

**PROGRAM OF THE
84TH ANNUAL MEETING**

**April 10–April 14, 2019
Albuquerque, NM**



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 84th Annual Meeting

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Society for American Archaeology
1111 14th Street NW, Suite 800
Washington, DC 20005-5622 USA
Tel: +1 (202) 789-8200
Fax: +1 (202) 789-0284
E-mail: headquarters@saa.org
Website: <https://www.saa.org>

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Anti-Harassment Policy

The SAA is dedicated to providing a harassment-free meeting experience for everyone, regardless of sex, gender, identity and expression, sexual orientation, disability, physical appearance, ethnicity, religion, or age. Harassment is unwanted attention that a recipient experiences as offensive or disruptive to their wellbeing. Harassment not only sabotages the individual; it also damages the SAA's community by discouraging participation in the Society and compromising the exchange of ideas that is at the center of SAA's mission to promote and stimulate interest and research in the archaeology of the Americas.

Sexual harassment is behavior that demeans, humiliates, or threatens an individual on the basis of their sex or gender and can include crude behavior (such as offensive statements, jokes, or gestures); dismissive or insulting modes of address (such as referring to a woman not by her first name but as "babe"); unwelcome sexual attention (such as unwanted touching or repeated requests for dates); and coercion. Sex-based harassment also takes nonsexual forms when an individual is targeted because of their gender expression. It singles out some members of the community as acceptable targets and as unworthy of respect.

All of the spaces into which SAA's professional meetings extend are professional, and the values of respect, equity, multicultural pluralism and non-discrimination should inform conduct in formal sessions, meetings, and informal conversations over coffee and over drinks. All members should aspire to treat each member as having an equally valuable contribution to make. All members should remember our society is enriched from multicultural differences.

This policy applies to all attendees of SAA-sponsored conferences, meetings, or workshops including presenters, students, guests, staff, contractors, and exhibitors throughout the conference space whether participating in the program, tours, meetings, social event, or other function. The SAA Principles of Archaeological Ethics equally apply.

However, should an incident occur while at an SAA-sponsored conference, meeting, workshop, tour, or social event, or other function, the SAA President, the SAA Executive Director, SAA Staff, or any SAA Officer may be considered safe authorities with whom incidents can be discussed. The SAA will have mechanisms at each Annual Meeting to keep our conference a respectful environment for all its participants.

Anti-harassment procedures at 2019 Annual Meeting

The SAA President, the SAA Executive Director, SAA Staff, or any SAA Officer may be considered safe authorities with whom incidents can be discussed. These individuals will wear green "Talk to me" buttons at the 2019 Meeting. SAA Staff is available at the staff office (located in Maya room) and at the registration booth (in the West Lobby) during registration hours. Individuals coming forward with concerns will be asked to provide details of the incident or incidents, time and place, names of individuals involved and names of any witnesses. Please note that a sufficient amount of detail is needed in order for SAA to respond.

Upon the receipt of a complaint of offensive behavior by an SAA conference attendee, SAA will undertake the following procedure:

1. If the allegations involve what is likely to be criminal conduct, the SAA Executive Director shall notify the local police, contact SAA legal counsel and so inform the complainant. SAA shall not undertake further review of the matter once it has been reported to local authorities but may later evaluate the outcome of any criminal investigation in order to determine whether the alleged harasser should be permitted to participate in any future SAA programs and conferences;
2. If the allegations do not likely constitute criminal conduct, the SAA Executive Director shall attempt to verify the offensive behavior in a confidential manner as recommended by SAA legal counsel;
3. If the offensive behavior cannot be verified, SAA will so inform the person making the complaint and remind the person that they can report the behavior to the Register of Professional Archaeologists and/or to the alleged harasser's institution or employer;
4. If the offensive behavior is verified in a manner deemed appropriate by the SAA Executive Director and SAA legal counsel, the SAA Executive Director shall so inform the SAA President and, in conjunction with SAA legal counsel, determine the appropriate course of action taking into account various factors including, but not limited to, the following: a) the severity of the offensive behavior; b) the setting of the offensive behavior; c) whether the alleged harasser appeared to be under the influence of alcohol or drugs; and d) the duration remaining in the conference;
5. The courses of action which may be taken by SAA include, but are not limited to, any or all of the following: a) immediate removal from the conference; b) an onsite discussion with the alleged harasser to inform them of the complaint, to advise them that this behavior violates SAA's anti-harassment policy, and to direct that such behavior must cease immediately or the person will be removed from the conference;
6. Following the conference, the SAA Executive Committee shall meet to review all complaints received during the conference to determine whether SAA should modify the conference program, the submission process, the anti-harassment policy and procedures, and whether any of the complaints warrant further monitoring by SAA and/or the individual to be informed that they may

no longer attend SAA programs and conferences for a set period of time or indefinitely;

7. In all cases, SAA will limit disclosure of information and to only such information necessary to verify the offensive behavior and only to those on a "need to know" basis; and
8. Should any complaint allege offensive behavior by the SAA Executive Director, the above procedure shall be undertaken by the SAA President instead or, if the SAA President is also alleged to have engaged in offensive behavior, by any other SAA officer.

SAA is not an adjudicating body. An informant can file a complaint with the Register of Professional Archaeologists and/or has the right to complain to the offender's employer (university, government agency, etc.).

AWARDS PRESENTATION AND ANNUAL BUSINESS MEETING

APRIL 12, 2019

5:00 PM **Call to Order**

Call for Approval of Minutes of the
2018 Annual Business Meeting

Remarks

President Susan M. Chandler, RPA

Reports

Treasurer Ricky Lightfoot, RPA

Secretary Emily McClung de Tapia, RPA

Executive Director Oona Schmid

5:30 PM **Presentation of Awards**

Presidential Recognition Awards

Gene S. Stuart Award

Archaeology Week Poster Award

Student Poster Award

Student Paper Award

Ethics Bowl Trophy

Fellowships, Travel Awards, and Scholarships

H. and T. King Grants for Precolumbian Archaeology

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 & Education

Award for Excellence in Public Education

Crabtree Award

Fryxell Award for Interdisciplinary Research

Lifetime Achievement Award

New Business

Ceremonial Resolutions

Transfer of Presidential Office

Remarks

President Joe E. Watkins, RPA

6:30 PM **Adjournment**

2019 AWARD RECIPIENTS

Each SAA award recipient is selected by a dedicated and knowledgeable award committee—one for each award—made up of SAA member volunteers. Presidential Recognition Awards are bestowed by the SAA president to honor exemplary service to the Society. 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: Deborah L. Nichols

We proudly present this award to Deborah Nichols for her exceptional service to the Society during this past year. After finishing her term as Treasurer, Nichols chaired the Nominating Committee, was a key member of the Executive Director Search Committee, and chaired both the Task Force and Archaeological Review Committee for the H. and T. King Grant for Precolumbian Archaeology. She performed all of her duties with enthusiasm and wisdom. Her leadership in assembling a task force and review committee to develop guidelines for the grant program and to solicit and review research grant proposals allowed SAA to launch the new grant program in record time, thus fulfilling the wishes of the donors to begin funding research in Latin America as soon as possible.

Recipients: John G. Douglass and Gordon F.M. Rakita

We proudly present this award to John Douglass and Gordon Rakita as co-chairs of the Task Force on Revision of the SAA Principles of Archaeological Ethics: Stage One. Douglass and Rakita assembled a diverse group of hard-working volunteers and guided their efforts to develop a detailed strategy of how to move forward with revising and updating the ethical principles in a manner that will ensure that the Society's membership has meaningful input about what ethical concerns they wish to consider. As part of that process, Douglass and Rakita organized the Opening Session and President's Forum, "Learning from the Past, Looking Towards the Future: Archaeological Ethics and the SAA." Douglass and Rakita are also both continuing to assist this effort by serving as members of the Task Force on Revision of the SAA Principles of Archaeological Ethics: Stage Two.

Recipient: Jerry D. Spangler

We proudly present this award to Jerry Spangler, who generously contributed his time and expertise to SAA by preparing a declaration supporting the position of the plaintiffs in the Grand Staircase-Escalante National Monument lawsuit. For the amicus brief filed by SAA, AAA, and AIA, Spangler carefully documented the significance of the archaeological resources in the areas rescinded from monument status by President Trump. His long history of research on the anthropogenic impacts to cultural resources on public lands allowed him to provide important details about how the development of natural resources and the corresponding infrastructure will cause irreversible damage to archaeological sites that are no longer afforded the level of protection provided by the monument designation.

Recipient: Tim A. Kohler

We proudly present this award to Tim Kohler, for his efforts in helping SAA examine ways in which professional archaeologists can better share the benefits of our archaeological research with the public. Kohler volunteered to organize the 2018 SAA President's Forum,

"What We Have Learned," bringing together a diverse panel of archaeologists to discuss what the archaeological record has taught us that is important and useful for society today and how our research might inform the future. Kohler subsequently shepherded these papers to timely publication in *The SAA Archaeological Record*. He also chaired the Task Force on Valuing Archaeology, which examined what the Society is currently doing to engage with non-archaeological constituencies and how we can enhance SAA's effectiveness in spreading the word about the importance of archaeology in the contemporary world.

Recipients: Daniel H. Sandweiss and Thomas H. McGovern

We proudly present this award to Dan Sandweiss and Thomas McGovern, who played key roles in helping create the SAA Committee on Climate Change Strategies and Archaeological Resources. Together with several enthusiastic, energetic, and dedicated committee members, they helped form a group that continues to be engaged with researchers in the hard sciences, creating and sustaining interdisciplinary networks via dozens of presentations made annually throughout the world. The committee has cooperated with major national heritage groups in numerous countries to raise awareness and to take action about climate threats to heritage and science. They have succeeded in getting people outside of archaeology to listen about how humans impact the environment and how climate impacts humans and landscapes. The vision of Sandweiss, McGovern, and others has become a model of collaborative science, education, and outreach.

GENE S. STUART AWARD

Recipient: Gayle Keck

The Gene S. Stuart Award for journalism about archaeology was awarded to Gayle Keck. Her excellent article entitled "Discovering the Archaeology of Tattooing," published by *American Archaeology*, was an amazing article on a seldom explored topic. She covered the topic with an engaging style that united different strands of a worldwide phenomenon into a coherent whole.

DIENJE KENYON MEMORIAL FELLOWSHIP

Recipient: Weronika Tomczyk

Weronika Tomczyk is the recipient of this year's Dienje Kenyon Memorial Fellowship. She received her BA and MA degrees from the University of Warsaw, Institute of Archaeology, and is currently a PhD student at Stanford University. Her project is focused on assessing whether bone assemblages within Wari Empire archaeological sites were the result of a strict imperial economic policy, an adaptable policy which depended on existing local situations and environmental conditions, or a fusion of influences from multiple societies with variable acceptance of Wari cultural traditions. Wari's unprecedented conquest of a large part of the Andean world may have been motivated not by an interest in gathering power or spreading their particular religious beliefs, but rather by the acquisition of new natural resources, perhaps insufficient in their Ayacucho Valley heartland. To reveal information about animal management in Wari culture, she will combine standard zooarchaeological with stable isotope analyses and geometric morphometrics.

FRED PLOG MEMORIAL FELLOWSHIP

Recipient: Megan Anne Conger

Megan Anne Conger's work investigates the nature and tempo of culture change of Indigenous and European worlds in Southern Ontario, Canada (ca. AD 1550-1650). Her work asks: 1) Did all Indigenous nations in Ontario begin to engage with Europeans at the same time, in the same way, and how did this relationship change over time? She will answer these questions by applying archaeological science techniques to the Wendat, Tionontate, and Attiwandaron archaeological sites in Southern Ontario occupied ca. AD 1550-1650. Here she will create chronologically grounded community-level databases to better understand Indigenous-European trade and exchange in Southern Ontario and Southern Québec. Her work is a reassessment of 16th & 17th C normative models of culture change that have dominated Iroquoian archaeology for the last 40 years.

PAUL GOLDBERG AWARD

Recipient: Cayla D. Kennedy

For her project developing a model of Late Holocene alluvial cycles at Cub Creek, Dinosaur National Monument, Utah, that will be widely applicable across the Uinta Basin's Fremont farming localities, we proudly present the 2019 Paul Goldberg Award for master's research in Earth science and archaeology to Cayla Kennedy (Utah State University).

DOUGLAS C. KELLOGG FELLOWSHIP FOR GEOARCHAEOLOGICAL RESEARCH

Recipient: Jacob P. Warner

For his project developing the bivalve, *Donax obesulus*, as a proxy for El Niño Southern Oscillation dynamics in archaeological contexts in north-central coastal Peru.

SAA/INSTITUTE FOR FIELD RESEARCH UNDERGRADUATE STUDENT TRAVEL AWARDS

Recipients: Rebecca Dolan, Saskia Ghosh, Arthur Wold

CHARLES STANISH SAA ANNUAL MEETING TRAVEL AWARD

Recipient: Diana Carhuanina

ARTHUR C. PARKER SCHOLARSHIP FOR ARCHAEOLOGICAL TRAINING FOR NATIVE AMERICANS AND NATIVE HAWAIIANS

Recipient: Jacque Kocer

SAA NATIVE AMERICAN UNDERGRADUATE ARCHAEOLOGY SCHOLARSHIP

Recipient: Aka Bendtsen

SAA NATIVE AMERICAN GRADUATE ARCHAEOLOGY SCHOLARSHIP

Recipient: A. Leiokeko'olani Brown

DISSERTATION AWARD

Recipient: Hao Zhao

Hao Zhao's dissertation offers a comprehensive new understanding of economic institutions and relationships within early Chinese urban capitals previously studied primarily from a political or religious perspective. It offers a new synthesis of massive bone-working industries at the city of Zhouyan and employs a holistic, interdisciplinary approach that incorporates historical sources, art history, bone chemistry analysis, and a battery of

zooarchaeological techniques. The bone industry workshops at sites like Zhouyan include, literally, tons of bone debris derived from the manufacture of millions of implements. Bone craftsmanship operated within patronage relationships with nearby elites. The bones of domestic animals, especially cattle, were acquired from diverse locations, attesting to webs of economic interdependency. Zhao also documents the animal ages and element representation linked to manufacturing trajectories. Bone hairpins represent the majority of items made at the workshops, which entered into complex consumption realms related to social status, adornment, and masculine and feminine identity.

BOOK AWARD: SCHOLARLY

Recipient: Krish Seetah

Krish Seetah has produced an edited volume on a much neglected area in archaeology, the Indian Ocean World, a region that spans from southern Africa across the waters to Australia. He has brought together archaeologists, historians, artists, and other researchers who collectively increase our knowledge in a truly interdisciplinary fashion. Larger topics of colonialism, slavery, migration, heritage construction, climate change, economy, disease, and religion are presented by scholars from across the globe. Different types of evidence are used effectively through several approaches of understanding the past and relating the past to contemporary situations. Ecological considerations underlie various chapters on a wide range of topics. *Connecting Continents: Archaeology and History in the Indian Ocean World* makes a substantial contribution to anthropology, archaeology, history, and the Indian Ocean World. The authors further our awareness of how this part of the world connects with other continents.

BOOK AWARD: POPULAR

Recipient: Lynn Meskell

Lynn Meskell has successfully produced a definitive book on UNESCO and its involvement in archaeology and the impact of the World Heritage designation. The historical context of this international organization and its influence on archaeology are illuminated through in-depth first-hand research, ample documentation, and insights that provide eye-opening revelations. The superbly written synthesis of massive amounts of materials is truly astounding. The successes and failures of UNESCO are many, and they continue today. *A Future in Ruins: UNESCO, World Heritage, and the Dream of Peace* positions archaeology in a larger, intertwined, and meaningful context. Politics, economics, and current events all factor into whether and how particular sites are deemed worthy of designation or investigation. A compelling read for archaeologists and those interested in our collective past.

AWARD FOR EXCELLENCE IN ARCHAEOLOGICAL ANALYSIS

Recipient: Jonathan Mark Kenoyer

Jonathan Mark Kenoyer has earned the SAA's Award for Excellence in Archaeological Analysis for his detailed empirical analyses of a broad range of archaeological materials, guided by rigorous elemental and microscopic methods and an innovative interpretive framework grounded in experimental and ethnoarchaeological approaches. His analyses of the morphology, production techniques, and styles of a wide variety of artifacts, including stone beads, inscribed seals, shell objects, textiles and cordage, ceramics, stone tools, and copper/bronze and iron materials have generated new insights into the social dynamics of

South Asia's first urban, state-level society. His focus on the complex relationships among craft production and the social, economic, and political spheres in which it takes place provides an important method to examine the organizational dynamics of ancient states, especially when written records are unavailable. This award recognizes the significant global impact and enduring contributions of Dr. Kenoyer's research and teaching to archaeological analysis.

AWARD FOR EXCELLENCE IN CULTURAL RESOURCE MANAGEMENT

Recipient: Duane E. Peter

Duane is a graduate of Southern Methodist University and has been involved in cultural resource management for over 40 years. He joined Geo-Marine, Inc. (now part of Versar, Inc.), in 1987 as their first archaeologist. Thirty years later he retired from the company having built a program that included archaeologists, architectural historians, and GIS specialists in three primary offices. He promoted the development of innovative and cutting-edge research techniques, including photogrammetry, 3D laser scanning, predictive modeling and remote sensing. He brought these techniques to projects in 45 states, the evaluation of over 2,000 archaeological sites and 700 Cold War-era resources, the survey of over 323,000 acres, and the preparation of over 900 technical reports. Duane built a CRM program known for excellence and quality research across the nation. Finally, Duane was a founding member of the American Cultural Resources Association and has helped guide the growth of that organization.

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

Recipient: S. Terry Childs

Dr. Childs has distinguished herself as one of the leading experts on national archaeological curation and collections management through numerous books and publications over the last 25 years. As Manager of the Department of Interior's Museum Program, Terry inspired countless students and scholars across the United States and has made immeasurable and long-lasting contributions to the stewardship of our national archaeological collections. In her role as Chair of the SAA's Committee on Museums, Collections, and Curation, the Archaeological Collections Consortium, and as SAA Board Member she has promoted an "archaeological curation ethic" for the discipline. She is an inspiration to her colleagues and the profession.

AWARD FOR EXCELLENCE IN PUBLIC EDUCATION

Recipient: Magic Mountain Community Archaeology Project

Magic Mountain Community Archaeology Project (MMCAP) earned the 2019 Award for Excellence in Public Education for exemplary involvement of local communities in an archaeological research project. This was accomplished through a partnership between the Denver Museum of Nature & Science and Paleocultural Research Group under the direction of Drs. Michele Koons and Mark Mitchell. MMCAP stands out among community archaeology projects because of the impressive scope of its public programming: during the 2017 and 2018 field seasons, 3,000 participants partook in thoughtfully designed programs. MMCAP not only invited the public to the site, but actively reached out and provided access to people who might not otherwise engage with archaeology. This included providing lunch and transportation for underserved youth groups, hosting a

dedicated intertribal day, and creating Native American teen internships. MMCAP demonstrates best practices in how to stimulate the public's excitement for and understanding of the past through community archaeology.

CRABTREE AWARD

Recipients: Peter Boyle and Janine Hernbrode

Peter Boyle and Janine Hernbrode have followed their passion as avocational archaeologists and conducted research to document, interpret, and preserve rock art sites in Arizona over the last 15 years, involving numerous volunteers from the Arizona Archaeological and Historical Society (AAHS). They have made significant contributions to our understanding and preservation of rock art of the American Southwest through their research, scholarly publications (15) and conference presentations, and have promoted archaeology as executives for the AAHS and Archaeology Southwest. Since 2009, Dr. Boyle and Ms. Hernbrode have engaged tirelessly in collaborative archaeological survey and site documentation and publication, creating an inventory of thousands of rock art features in southern Arizona. Peter Boyle and Janine Hernbrode are highly deserving of the Crabtree Award for their exemplary archaeological teamwork that engages both the interested public and professional archaeologists.

FRYXELL AWARD FOR INTERDISCIPLINARY RESEARCH

Recipient: M. Steven Shackley

The Fryxell Award is presented in recognition of interdisciplinary excellence to a scientist whose research has contributed significantly to American archaeology. For the 2019 award the category was Physical Sciences. Because of a career-long devotion to obsidian studies in the American Southwest that has included decades of fieldwork to document the geological landscape, multiple high-caliber books on the method, theory, and application of obsidian studies, and exemplary service to his professional colleagues, M. Steven Shackley has been selected as the Fryxell Award recipient.

LIFETIME ACHIEVEMENT AWARD

Recipient: Lynne G. Goldstein

Lynne G. Goldstein has earned the SAA's Lifetime Achievement Award for her combination of scholarship and service to the profession. Dr. Goldstein's superb contributions to mortuary studies have moved this area of study beyond its early focus on reconstructing prehistoric social organization to more nuanced understandings of identity and variability. She also has made significant contributions to Midwestern and historic archaeology, and her advocacy for public engagement with archaeology has had a significant impact on the profession. She has excelled as a teacher and trainer of archaeologists. Beyond her own students, she has mentored hundreds of other anthropologists through her annual careers workshop at the AAA meetings. Moreover, Dr. Goldstein's service to the SAA, including the Task Force on Repatriation, Secretary, Editor of *American Antiquity*, co-chair of the Task Force on Gender and Research Grants Submission, and chair of the SAA Publications Committee, has been recognized by five Presidential Recognition Awards (certainly a record!).

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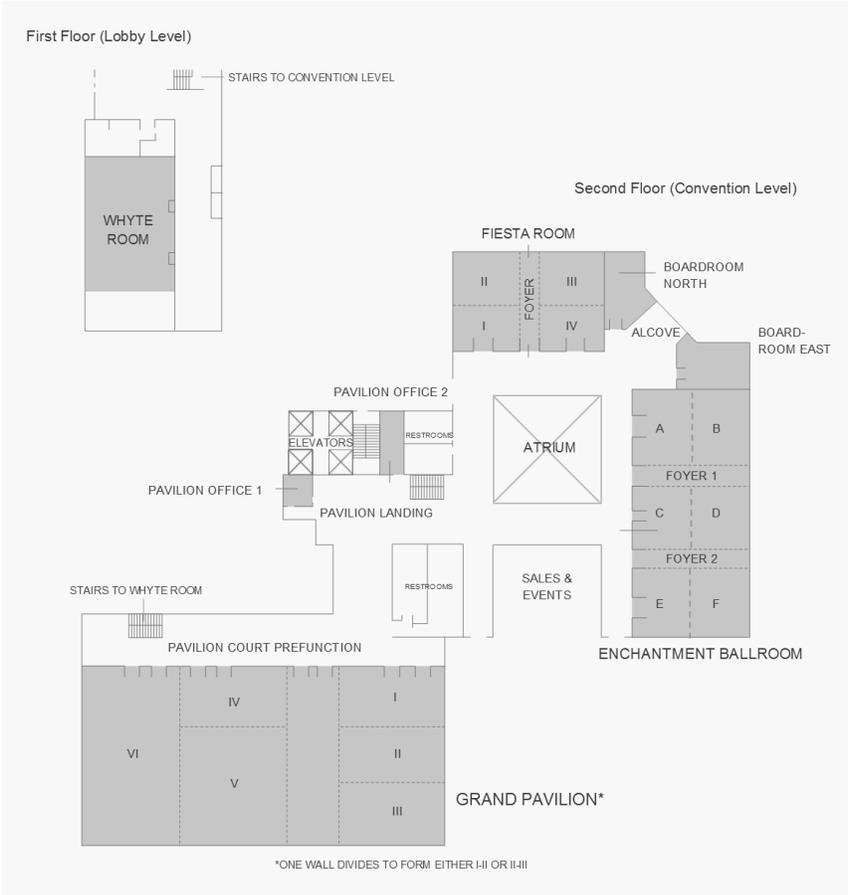
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LIFETIME ACHIEVEMENT AWARD

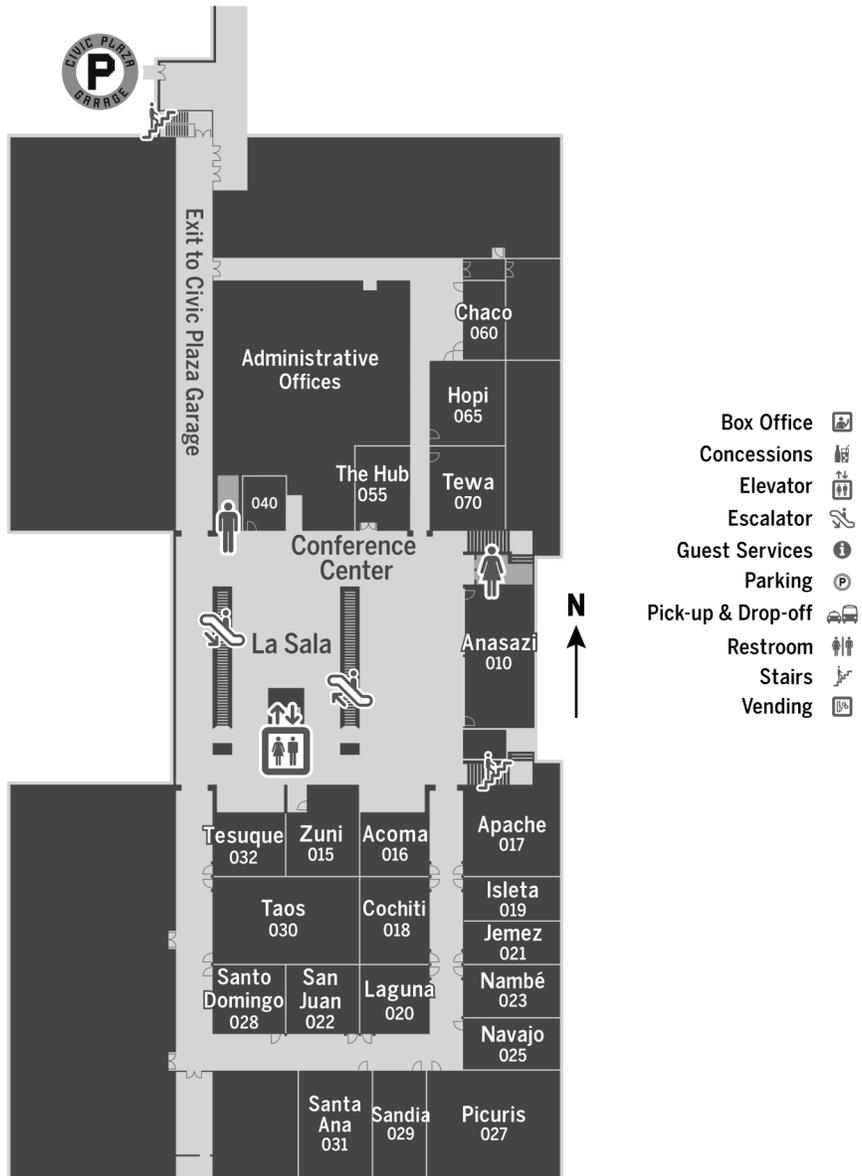
Recipient: Lynne G. Goldstein

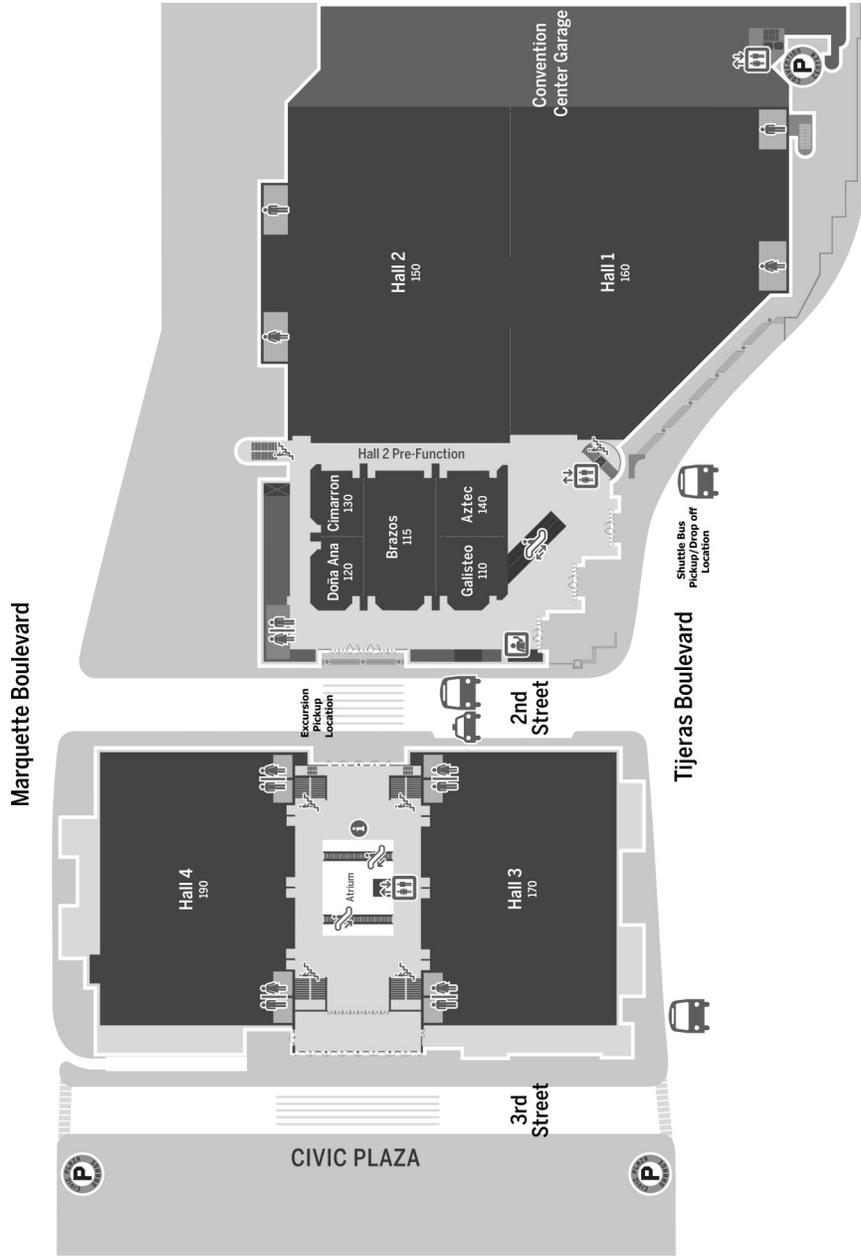
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Hyatt Regency Albuquerque



Albuquerque Convention Center: Lower Level





Albuquerque Convention Center: Main Level

**SOCIETY FOR AMERICAN ARCHAEOLOGY
84TH ANNUAL MEETING**

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Anna Novotny
Texas Tech University

Claire Novotny
Kenyon College

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Glenn Stuart
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University of New Mexico

Paula Turkon
Ithaca College

Jason Ur
Harvard University

Diane Wallman
University of South Florida

Kyle Woodson
Gila River Indian Community

Pei-Lin Yu
Boise State University

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Matthew Schmader
University of New Mexico

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Coordinator, Membership and Meetings

SAA's 85TH ANNUAL MEETING IN 2020!

Plan now to attend the SAA 85th Annual Meeting in Austin, Texas April 22–26, 2020. Submissions guidelines for those who wish to submit papers, posters, or forums for consideration can be found at www.saa.org/annual-meeting/submissions. The Submissions System for Austin, Texas will open on May 1, 2019.

STUDENTS, JOIN US!**WEDNESDAY, APRIL 10, 9 PM–10:30 PM, PAVILION IV-VI (H)**

All student attendees are invited to attend the Student Welcome reception sponsored by SAA's journal publishing partner, Cambridge University Press, and SAA's Board of Directors in cooperation with SAA's Student Affairs Committee.

Kick off the meeting by mingling with the SAA Board and other students while enjoying complimentary refreshments. Soft drinks are provided and, if of age, you may use your soft drink ticket toward the purchase of a beer or glass of wine. SAA is your professional society and we invite you to join our community!

***SAA'S BOARD OF DIRECTORS THANKS
CAMBRIDGE UNIVERSITY PRESS FOR THEIR GENEROUS SUPPORT
OF THE STUDENT RECEPTION.***



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SOCIETY FOR AMERICAN ARCHAEOLOGY

GENERAL INFORMATION

MEETING ROOM LOCATIONS

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

(H) = Hyatt Regency Albuquerque
(ACC) = Albuquerque Convention Center

ABSTRACTS

The abstracts are available on www.saa.org/annual-meeting and via the Annual Meeting Mobile App.

Onsite, in the West Lobby (ACC) near registration, 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.

ANNUAL BUSINESS MEETING & AWARDS PRESENTATION

The Society's Annual Business Meeting and Awards Presentation will be held at 5:00 pm on Friday in 290 Kiva Auditorium (ACC).

ANNUAL MEETING APP

The Meeting App, sponsored by NV5, allows you to find your sessions with pinpoint location mapping and locate meeting information at your fingertips. To access and download the app, go to: <https://www.saa.org/annual-meeting/meeting-app>

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 cooperation.

Concessions

Coffee, snacks, sandwiches, beer and beverages will be available in the Exhibit Hall in Hall 4 (ACC) on Thursday through Saturday from 9:00 am – 4:30 pm. A satellite location will be in West Lobby 2nd Street Entrance on Thursday from 8:00 am–9:00 pm; and on Sunday from 7:30 am–noon.

CULTURAL RESOURCE MANAGEMENT CAREER (CRM) EXPO

Sponsored by the American Cultural Resources Association (ACRA) and SAA, the CRM Expo will be held on Saturday, April 13 from 1:00 pm to 4:00 pm in Hall 4 (ACC). 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 on page 291.

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 13 from 12:00 pm to 3:30 pm that day at no charge.* The Expo registration will only admit you to the Expo.

CURATION DOCTOR IS IN

Questions about getting collections into a repository? Wondering about the proper way to label, pack, or care for artifacts and associated records? Maybe you're a student who's looking for information about collections care? Bring your collections conundrums, questions, and concerns to the Curation Doctor! Trained collections specialists from SAA's Committee on Museums, Collections, and Curation will offer advice and answer your questions at the back of the Exhibit Hall in Hall 4 (ACC) from 9:00 am to 3:00 pm on Thursday and Friday. The curation doctor is in! Get a collections checkup!

EMERGENCY INFORMATION CARD

An Emergency Information Card is included on your badge and ticket sheet. Please fill out this card completely and tuck it behind your badge in your badge holder. Should this information be required, it will then be readily accessible. Thank you.

EXCURSIONS

The excursions will depart from the Albuquerque Convention Center at the 2nd Street Entrance (between Marquette Boulevard and Tijeras Boulevard). Please arrive no later than 15 minutes

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before the departure time to check in. The bus will be leaving promptly at the time listed on the program and tickets. Please bring your signed waiver in order to board.

EXHIBITS

The SAA Annual Meeting Exhibit Hall in Hall 4 (ACC) 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, April 11 through Saturday, April 13 from 9:00 am to 5:00 pm. Stop by SAA's booth (301) to peruse the latest titles from The SAA Press and gear.

GENDER INCLUSIVE RESTROOMS

There will be gender inclusive restrooms in both the Hyatt Regency Albuquerque and the Albuquerque Convention Center from April 10 through April 14. At the Hyatt this will be located at the Men's Fiesta Restroom (H). At the convention center, the locations of these designated restrooms will be posted in the lobby near Registration (ACC).

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. 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 venues. Guest badges simply provide access to the meeting venue. Guests are not "meeting attendees." **If a guest badge is to be purchased onsite, 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 10 Anasazi (ACC) on

Wednesday, April 10. Ask questions to get prepared and to take full advantage of your time at the meeting. The Opening Session/President's Forum kicks off the meeting immediately after. We would like to welcome you to Albuquerque at this brief but information-packed session! The orientation will be run by SAA's staff archaeologist and manager, Education and Outreach, Elizabeth Pruitt.

OFFICE

From Wednesday, April 10 through Sunday, April 14 at 12:00 pm, the SAA Staff office will be located at the Albuquerque Convention Center in 293 Maya (ACC). Please note that unlike prior years, SAA staff will not be available on Monday or Tuesday to distribute materials to attendees who registered via advanced registration.

OPENING SESSION/PRESIDENT'S FORUM

The Opening Session/President's Forum, *Learning from the Past, Looking Towards the Future: Archaeological Ethics and the SAA*, will be held on Wednesday, April 10, in 290 Kiva Auditorium (ACC) at 6:30 pm.

POSTER SESSIONS

Poster sessions will be conducted in La Sala (ACC) beginning on Thursday, April 11. Each poster session runs for two hours and contains a wide array of research. Authors and space assignments are listed in the program and meeting app. Please check the program or app for the poster session schedule.

POSTERS AFTER HOURS!

SAA will host the second annual Posters After Hours session on Thursday, April 11 from 5:00 pm to 7:00 pm in Hall 3 (ACC). This session will feature **200** posters. With a relaxed atmosphere and a cash bar, this session serves as the perfect venue to connect with colleagues and discuss current research.

PRESS OFFICE

The Press Office, located in 291 Pima (ACC), will be open Wednesday through Saturday, 9:00 am–5:00 pm, staffed by Amy Rutledge, SAA's manager, Communications and Fundraising.

REGISTRATION

Registration is located in the West Lobby (ACC) from Wednesday–Sunday. 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; Sunday, 7:00 am–8:00 am. Individuals who registered by March 12, 2019, can pick up their registration materials at the Advance Registration counters. Individuals who have not registered in advance should report to the Onsite 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.** Rooms are re-used for multiple sessions.

SHUTTLE BUSES

Buses for Crowne Plaza, Embassy Suites, Fairfield Inn, and Ramada will leave and drop off from the ACC in front of the East Building on Tijeras Boulevard. Shuttle service departs approximately every 25 minutes, so please plan ahead.

SILENT AUCTION

Visit the Native American Scholarships (NAS) Silent Auction Booth 114 in the Exhibit Hall, Hall 4 (ACC), and support the Arthur C. Parker Scholarship. You can participate in the silent auction by signing up for a bidder number at the NAS booth and when you see something you want, submit a bid on the bid sheet. The bidding ends Friday at 5:00 pm. Alternately, the NAS booth is offering the option to forgo the bidding and buy the item at the suggested “Buy It Now!” price.

SMOKING POLICY

Smoking is prohibited.

SOCIAL MEDIA

Join the discussion about the 84th Annual Meeting on Twitter #SAA2019. Students can also contribute to the discussion using #SAAstudents.

SPEAKER READY ROOM

For presenters who wish to check a presentation, LCD projectors and screens will be available in the Speaker Ready Room in 040 Chiminea (ACC). The Speaker Ready Room will be open on Wednesday from 2:00 pm–8:00 pm, on Thursday from 7:00 am–9:00 pm, on Friday and Saturday from 7:00 am–6:00 pm, and on Sunday from 7:00 am–11:45 am.

SUGGESTED STATEMENT OF TRIBAL RECOGNITION

The SAA Committee on Native American Relations (CNAR) provides this optional statement for meeting attendees to read in recognition of the local tribes and pueblos of Albuquerque. The committee recognizes that some people may have their own statement they would like to present, while others may choose not to participate at all. The CNAR provides the statement below so that SAA members and meeting attendees who would like to make a statement may do so, without concern or uncertainty about what words to choose.

I would like to take a moment to respectfully acknowledge that this meeting is being held on the ancestral homelands of 34 pueblos and tribes, as well as other traditional and indigenous communities currently lacking federal recognition. I would like to recognize these communities and their continued and sincere relationship with the landscape.

STUDENT WELCOME RECEPTION—ALL STUDENT ATTENDEES

All student attendees are invited to attend a reception hosted by Cambridge University Press and SAA’s Board of Directors in cooperation with SAA’s Student Affairs Committee. From 9:00 pm–10:30 pm on Wednesday, April 10 in Pavilion IV-VI (H), meet SAA leadership, network with colleagues, have some

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great food, 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: Learning from the Past, Looking Towards the Future: Archaeological Ethics and the SAA

Organizer: Alex Barker

Date: Wednesday, April 10, 2019

Time: 6:30 pm–8:30 pm

Location: 290 Kiva Auditorium (ACC)

Abstract: The SAA Ethics Committee has studied in detail the SAA's Ethical Principles and has recommended to the Board of Directors that the SAA consider updating and revising them to reflect today's standards and norms. The Board of Directors has appointed the first of several sequential Task Forces to evaluate and update the Ethical Principles, in coordination with membership and stakeholders. This forum will provide an opportunity for the Society's members to engage in a discourse on what ethical concerns the membership wish to consider as part of the process of evaluating and revising its Ethical Principles. As with similar forums, the organizers will prepare a series of framing questions to begin the conversation and sustain it. The audience will also be encouraged to participate by contributing questions of their own.

Featured Forum

Title: Women and Grant-Getting: Strategies for Writing NSF Grants

Organizer: Barbara Roth

Date: Thursday, April 11, 2019

Time: 10:00 am–12:00 pm

Location: 65 Hopi (ACC)

Abstract: In response to a recent SAA-sponsored study highlighting the fact that women are less likely than men to submit National Science Foundation (NSF) grants, the Committee on the Status of Women in Archaeology has assembled a group of successful NSF grant recipients to discuss their grant-getting strategies. This forum is open to all with the goal of providing concrete ideas for successful grant submissions.

Ethics Bowl

Date: Thursday, April 11, 2019

Time: 1:00 pm–3:00 pm

Location: 110 Galisteo (ACC)

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

Posters After Hours

Date: Thursday, April 11, 2019

Time: 5:00 pm–7:00 pm

Location: Hall 3 (ACC)

This session will feature 200 posters. With a relaxed atmosphere and a cash bar, this session serves as the perfect venue to connect with colleagues and discuss current research.

SAA President-Sponsored Session

Title: Protecting the Greater Chaco Landscape: Native Voices

Organizer: Paul Reed and Ruth Van Dyke

Date: Saturday, April 13, 2019

Time: 1:00 pm–3:00pm

Location: 270 Ballroom C (ACC)

Abstract: The Greater Chaco Landscape is currently threatened by expanding oil and gas development associated with fracking in the Mancos Shale formation in northwestern New Mexico. For the last four years, Archaeology Southwest, the Greater Chaco Landscapes working group, the SAA Mancos Shale Task Force, and other partners have fought to address this crisis. We have had extended conversations with the New Mexico Bureau of Land Management, the Bureau of Indian Affairs, the National Park Service, the New Mexico State Historic Preservation Department, the New Mexico Congressional Delegation, and other entities. Because Native American voices are not always heard by the agencies, we have strengthened our outreach and partnerships with southwestern Native American Tribes. To that end, in this forum, we present a panel of Native American speakers who will convey the deep spiritual importance of the Greater Chaco Landscape and who will discuss their views of the best management practices for preservation of this ancient cultural landscape.

CELEBRATE ARCHAEOLOGY BY USING YOUR BALLOT!

As in the past, your registration materials include a ballot for the Archaeology Week/Month Poster Contest. In the Exhibit Hall, Hall 4 (ACC), 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 11:00 am on Friday, and the winners will be honored at the Annual Business Meeting and Awards Celebration at 5:00 pm on Friday in 290 Kiva Auditorium (ACC). The poster contest is cosponsored by SAA's Public Education Committee and the Council of Allied Societies.

MEETING SERVICES: HOURS OF OPERATION

	Wednesday	Thursday	Friday	Saturday	Sunday
Abstract Viewing Center	2pm–8pm <i>West Lobby (ACC)</i>	7am–8pm <i>West Lobby (ACC)</i>	7am–4pm <i>West Lobby (ACC)</i>	7am–5pm <i>West Lobby (ACC)</i>	7am–8:30am <i>West Lobby (ACC)</i>
Registration	2pm–8pm <i>West Lobby (ACC)</i>	7am–8pm <i>West Lobby (ACC)</i>	7am–4pm <i>West Lobby (ACC)</i>	7am–4pm <i>West Lobby (ACC)</i>	7am–8am <i>West Lobby (ACC)</i>
Speaker Ready Room	2pm–8pm <i>040 Chiminea (ACC)</i>	7am–9pm <i>040 Chiminea (ACC)</i>	7am–6pm <i>040 Chiminea (ACC)</i>	7am–6pm <i>040 Chiminea (ACC)</i>	7am–11:45am <i>040 Chiminea (ACC)</i>
Press Office	9am–5pm <i>291 Pima (ACC)</i>	9am–5pm <i>291 Pima (ACC)</i>	9am–5pm <i>291 Pima (ACC)</i>	9am–5pm <i>291 Pima (ACC)</i>	
Exhibits		9am–5pm <i>Hall 4 (ACC)</i> <i>Concessions available from 9am-4:30pm</i>	9am–5pm <i>Hall 4 (ACC)</i> <i>Concessions available from 9am-4:30pm</i>	9am–5pm <i>Hall 4 (ACC)</i> <i>Concessions available from 9am-4:30pm</i>	
CRM EXPO				1pm–4pm <i>Hall 4 (ACC)</i>	
Curation Doctor		9am–3pm <i>Hall 4 (ACC)</i>	9am–3pm <i>Hall 4 (ACC)</i>		

Summary Schedule

Monday, April 8

8:00 am–5:00 pm
16 Acoma (ACC)
 US Forest Service Heritage Program Meeting

Tuesday, April 9

7:00 am–9:00 am
Outside Picuris/Sandia/Santa Ana (ACC)
 Paleoanthropology Society Annual Meeting Registration

8:00 am–5:00 pm
16 Acoma (ACC)
 US Forest Service Heritage Program Meeting (con't)

8:30 am–4:30 pm
20 Laguna (ACC)
 Association of Transport Archaeologists (ATA) Annual Meeting

9:00 am–6:00 pm
Picuris/Sandia/Santa Ana (ACC)
 Paleoanthropology Society Annual Meeting

3:00 pm–6:00 pm
La Sala (ACC)
 Paleoanthropology Society Poster Session

6:00 pm–9:00 pm
 SAA Executive Committee Meeting

Wednesday, April 10

2:00 pm–8:00 pm
West Lobby (ACC)
Meeting Registration

7:00 am–8:00 am
Boardroom North (H)
 SAA Board of Directors New Board Member Orientation

8:00 am–4:45 pm
Boardroom North (H)
 SAA Board of Directors Meeting

8:00 am–5:00 pm
16 Acoma (ACC)
 US Forest Service Heritage Program Meeting (con't)

8:00 am–6:30 pm
Picuris/Sandia/Santa Ana (ACC)
 Paleoanthropology Society Annual Meeting (con't)

8:30 am–4:30 pm
20 Laguna (ACC)
 Association of Transport Archaeologists (ATA) Annual Meeting (con't)

9:00 am–5:00 pm
17 Apache (ACC)
 Project Archaeology Annual Meeting

9:00 am–5:00 pm
65 Hopi (ACC)
 National Park Service Archaeologists Meeting

9:00 am–5:00 pm
291 Pima (ACC)
 Press Office

1:00 p.m.–5:00 p.m.
19 Isleta (ACC)
 Southwestern Paleoethnobotany Research Updates and Workshop

1:00 pm–5:00 pm
32 Tesuque (ACC)
 National Association of State Archaeologists Annual Meeting

1:00 pm–5:00 pm
Enchantment A-B (H)
 Workshop: Rock Art Site Management

1:00 pm–5:00 pm
Fiesta 1-2 (H)
 Workshop: Transparent and Open Archaeological Science Using R

2:00 pm–4:00 pm
28 Santo Domingo (ACC)
 The Heritage Education Network (THEN) Open Business Meeting

5:00 pm–6:00 pm
 Past President's Advisory Board Reception (by invitation)

5:30 pm–6:00 pm
 10 Anasazi (ACC)
 First-time Attendee and New Member
 Meeting Orientation

6:30 pm–8:30 pm
 290 Kiva Auditorium (ACC)
 Opening Session/President's Forum

9:00 pm–10:30 pm
 Pavilion IV-VI (H)
 Student Welcome Reception from SAA's
 Board of Directors and Cambridge
 University Press (No fee; pre-registration
 required)

Thursday, April 11

**7:00 am–8:00 pm
 West Lobby (ACC)
 Meeting Registration**

7:00 am–7:50 am
 Pavilion I-II (H)
 Interest Group Organizer Breakfast (by
 invitation)

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

7:30 am–12:00 pm
 Enchantment C- D, Foyer (H)
 Ethics Bowl Preliminary Rounds

8:00 am–10:00 am
 Fiesta 1-2 (H)
 Council of Councils Meeting

8:00 am–12:00 pm
 ACC
 Symposia

8:00 am–1:00 pm
 2nd Street Entrance (ACC)
 Excursion: Acoma "Sky City" Pueblo

8:00 am–6:00 pm
 Boardroom North (H)
 HAIG Archiving the Archaeologist
 Interviews

9:00 am–5:00 pm
 291 Pima (ACC)
 Press Office

9:00 am–5:00 pm
 Hall 4 (ACC)
 Exhibit Hall

10:00 am–12:00 pm
 Presidents Suite (H)
 Cheryl L. Wase Memorial Scholarship
 Committee Meeting

12:00 pm–1:00 pm
 Enchantment E-F (H)
 Heritage Values Interest Group Meeting

12:00 pm–1:00 pm
 Fiesta 1-2 (H)
 Queer Archaeology Interest Group Meeting

1:00 pm–3:00 pm
 110 Galisteo (ACC)
 Ethics Bowl

1:00 pm–5:00 pm
 ACC
 Symposia

2:00 pm–3:00 pm
 Enchantment E-F (H)
 Meeting of Latin American Antiquity
 Editorial Board

2:30 pm–3:30 pm
 Presidents Suite (H)
 Fundraising Committee Meeting

3:00 pm–5:00 pm
 291 Pima (ACC)
 Media Relations Committee Meeting

3:00 pm–6:00 pm
 Fiesta 1-2 (H)
 Repatriation Committee Meeting

4:00 pm–6:00 pm
 Enchantment E-F (H)
 Council of Allied Societies Annual
 Business Meeting

4:00 pm–6:00 pm
 Pavilion IV-VI (H)
 Amity Pueblo MOA Compliance Task
 Force Meeting

4:00 pm–6:00 pm
 Pavilion IV-VI (H)
 Committee on Awards Meeting

4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Committee on the Americas	5:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Investment Committee Meeting
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Book Awards Committee Meeting	5:00 pm–7:00 pm Hall 3 (ACC) Posters After Hours
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Committee on Curriculum Meeting	5:30 pm–7:00 pm <i>Pavilion I-II-III (H)</i> Women's Networking Reception
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Committee on Ethics Meeting	6:30 pm–7:30 pm <i>Fiesta 1-2 (H)</i> Indigenous Populations Interest Group Meeting
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Government Affairs Committee Meeting	6:00 pm–10:00 pm ACC Symposia
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Fred Plog Memorial Fellowship Committee Meeting	7:00 pm–7:30 pm <i>Pavilion I-II-III (H)</i> Women in Archaeology Interest Group Business Meeting
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Minority Scholarships Committee Meeting	7:30 pm–9:00 pm <i>Enchantment E-F (H)</i> Student Affairs Committee Meeting
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Committee on Museums, Collections, and Curation Meeting	Friday, April 12
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Committee on Native American Relations Meeting	7:00 am–4:00 pm West Lobby (ACC) Meeting Registration
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Native American Scholarships Committee Meeting	7:00 am–9:00 am <i>Pavilion III (H)</i> President's Breakfast (by invitation)
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Public Education Committee Meeting	7:00 am–1:00 pm <i>2nd Street Entrance (ACC)</i> <i>Excursion: Pecos National Monument</i>
4:00 pm–6:00 pm <i>Pavilion IV-VI (H)</i> Committee on the Status of Women in Archaeology Meeting	8:00 am–10:00 am <i>Fiesta 3-4 (H)</i> International Government Affairs Committee Meeting
4:30 pm–6:00 pm <i>Fiesta 3-4 (H)</i> Forensic Archaeology Recovery (FAR) Annual Meeting	8:00 am–12:00 pm ACC Symposia
	8:00 am–5:00 pm <i>Boardroom North (H)</i> HAIG Archiving the Archaeologist Interviews

9:00 am–12:00 pm <i>Pavilion I (H)</i> Executive Board Meeting of the Archaeology Division of the AAA	2:00 pm–4:00 pm <i>Enchantment A-B (H)</i> Workshop: Repatriation Workshop
9:00 am–5:00 pm <i>291 Pima (ACC)</i> Press Office	3:00 pm–4:00 pm <i>Enchantment C-D, Foyer (H)</i> Public Archaeology Interest Group Meeting
9:00 am–5:00 pm <i>Hall 4 (ACC)</i> Exhibit Hall	3:30 pm–4:30 pm <i>Fiesta 1-2 (H)</i> Island and Coastal Archaeology Interest Group Meeting
10:00 am–11:30 am <i>Enchantment E-F (H)</i> Meeting of <i>American Antiquity</i> Editorial Board	5:00 pm–6:30 pm 290 Kiva Auditorium (ACC) Annual Business Meeting and Awards Presentation
12:00 pm–1:00 pm <i>Pavilion VI (H)</i> Fiber Perishables Interest Group Meeting	6:45 pm–8:45 pm <i>Enchantment A-B, Foyer (H)</i> Society of Africanist Archaeologists Reception
12:00 pm–1:00 pm <i>Pavilion III (H)</i> History of Archaeology Interest Group Meeting	6:45 pm–8:45 pm <i>Pavilion IV-V (H)</i> Native American Welcome Reception
12:00 pm–1:00 pm <i>Fiesta 1-2 (H)</i> Military Archaeological Resource Stewardship Interest Group Meeting	7:00 pm–8:00 pm <i>15 Zuni (ACC)</i> Afro-Latin American Archaeology Interest Group Meeting
12:00 pm–1:00 pm <i>Enchantment A-B (H)</i> Prehistoric Quarries and Early Mines Interest Group	7:00 pm–8:00 pm <i>65 Hopi (ACC)</i> Archaeologist-Collector Collaboration Interest Group Meeting
12:00 pm–1:00 pm <i>Enchantment C-D, Foyer (H)</i> Zooarchaeology Interest Group Meeting	7:00 pm–8:00 pm <i>17 Apache (ACC)</i> Bioarchaeology Interest Group Meeting
12:00 pm–1:00 pm <i>Enchantment E-F (H)</i> International Association for Obsidian Studies (IAOS) Annual Meeting	7:00 pm–8:00 pm <i>28 Santo Domingo (ACC)</i> Curation Interest Group Exploratory Meeting
1:00 pm–3:00 pm <i>Fiesta 3-4 (H)</i> Publications Committee Meeting	7:00 pm–8:00 pm <i>21 Jemez (ACC)</i> Historical Ecology Interest Group Meeting
1:00 pm–3:00 pm <i>Pavilion VI (H)</i> PEC State Network Coordinators Meeting	7:00 pm–8:00 pm <i>20 Laguna (ACC)</i> Quantitative Methods and Statistical Computing in Archaeology Interest Group Meeting
1:00 pm–5:00 pm ACC Symposia	

7:00 pm–8:00 pm 22 <i>San Juan</i> (ACC) Repatriation Interest Group Meeting	<i>Workshop: Using tDAR: A Workshop for SAA Members Benefitting from the SAA–Center for Digital Antiquity Good Digital Curation Agreement</i>
7:00 pm–8:30 pm 16 <i>Acoma</i> (ACC) Teaching Archaeology Interest Group Meeting and Annual Teaching Slam	9:00 am–5:00 pm <i>Hall 4</i> (ACC) Exhibit Hall
7:00 pm–8:30 pm 31 <i>Santa Ana</i> (ACC) Rock Art Interest Group Meeting	9:00 am–5:00 pm 291 <i>Pima</i> (ACC) Press Office
7:00 pm–9:00 pm 32 <i>Tesuque</i> (ACC) Geoarchaeology Interest Group Meeting	10:00 am–12:00 pm <i>Enchantment E-F</i> Meeting of <i>Advances in Archaeological Practice</i> Editorial Board
7:00 pm–9:00 pm 60 <i>Chaco</i> (ACC) Digital Data Interest Group and Open Science in Archaeology Interest Group Joint Meeting	10:30 am–4:30 pm 2 nd <i>Street Entrance</i> (ACC) <i>Excursion: Banderlier National Monument</i>
7:00 pm–9:00 pm 29 <i>Sandia</i> (ACC) Committee on Climate Change Strategies and Archaeological Resources Meeting	1:00 pm–4:00 pm <i>Hall 4</i> (ACC) CRM Expo
Saturday, April 13	1:00 pm–5:00 pm ACC Symposia
7:00 am–4:00 pm West Lobby (ACC) Meeting Registration	5:00 pm–7:00 pm <i>Enchantment A-B, Foyer (H)</i> Family Friendly Gathering
7:00 am–8:00 am <i>Enchantment A-B, Foyer (H)</i> Committee and Task Force Chair Breakfast with the Board (by invitation)	5:00 pm–7:00 pm <i>Enchantment E-F (H)</i> Society for Archaeological Sciences Business Meeting
8:00 am–12:00 pm ACC Symposia	5:30 pm–6:30 pm <i>Fiesta 3-4 (H)</i> Cheryl Wase Toast (by invitation)
8:00 am–1:00 pm 2 nd <i>Street Entrance</i> (ACC) <i>Excursion: Acoma "Sky City" Pueblo</i>	5:30 pm–7:00 pm <i>Pavilion I-II (H)</i> Get-together for Archaeologists of East and Southeast Asia and Southeast Asian Archaeology Interest Group Meeting
8:00 am–5:00 pm <i>Boardroom North (H)</i> HAIG Archiving the Archaeologist Interviews	
8:15 am–5:00 pm <i>Fiesta 1-2 (H)</i> SAA Board of Directors Meeting	
9:00 am–10:30 am <i>Enchantment C-D, Foyer</i>	

Sunday, April 14**7:00 am–8:00 am
West Lobby (ACC)
Meeting Registration**8:00 am–12:00 pm
ACC
Symposia

A WORD ABOUT THE SESSIONS

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

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.

Poster Session—A poster session consists of a group of posters. Posters are especially encouraged and are particularly effective for presentations communicating quantitative data. All poster sessions are two hours in duration.

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.

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.

Debate—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.

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 are open to all registered attendees. Sessions may be "sponsored" and/or "invited." The designation "sponsored" indicates the support of an SAA committee or interest group, 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 groups 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.

Join us at Posters After Hours!

This poster session will feature 200 posters. With a relaxed atmosphere and a cash bar, this session serves as the perfect venue to connect with colleagues and discuss current research.

ABOUT THE 2019 ANNUAL MEETING APP

The Meeting App allows you to view sessions at a glance and find your sessions with pinpoint location mapping. To access and download the app, go to:
<https://www.saa.org/annual-meeting/meeting-app>

In order to use features such as My Notes, My Schedule, My Exhibitors, My Briefcase, and Attendees, you must log in by clicking the Attendees icon and then entering your case-sensitive credentials:

Credentials

Username: email address associated with SAA account

Password: alb2019 [Once you login, you will be prompted to create your own unique password]

**SAA would like to thank NV5
for their sponsorship of the 2019 Annual Meeting App**

The logo for NV5, consisting of the letters 'N', 'V', and '5' in a bold, blue, sans-serif font. The letters are separated by vertical bars.

SAA's 85th Annual Meeting in 2020!

SAA's 85th Annual Meeting will be in Austin, Texas April 22-26, 2020.

Submissions guidelines are available on the SAA website:

<https://www.saa.org/annual-meeting/submissions>

The Submissions System for Austin, Texas will open on May 1, 2019.

Wednesday Evening ■ April 10, 2019

- [1] **OPENING SESSION**
FORUM ■ PRESIDENT'S FORUM: LEARNING FROM THE PAST, LOOKING TOWARDS THE FUTURE: ARCHAEOLOGICAL ETHICS AND THE SAA
(SAA President's Sponsored Session)

Room: Kiva Auditorium

Time: 6:30 PM–8:30 PM

Moderators: Alex Barker, Gordon Rakita and John Douglass

Participants:

Joe Watkins—Discussant
 Luis Jaime Castillo—Discussant
 Arlen Chase—Discussant
 Margaret Conkey—Discussant
 Bonnie Pitblado—Discussant

Thursday Morning ■ April 11, 2019

- [2] **GENERAL SESSION ■ APPLYING ETHNOGRAPHY AND ETHNOHISTORY TO IMPROVE ARCHAEOLOGICAL UNDERSTANDING, PART I**

Room: 130 Cimarron

Time: 8:00 AM–9:30 AM

Chair: Brea McCauley

Participants:

8:00 Ronald Lippi—A History of the Yumbos, Barbacoan Peoples of Northwestern Ecuador
 8:15 Enrique Moral—The Seraglio of the Great Turk: Ethnosexual and Engendered Violences in the Mariana Islands
 8:30 Juliana Machado and Jozileia Daniza Kaingang—Women's Territorialities within Indigenous Societies in Brazil: Past Discourses, Present Relations
 8:45 Marcia Bezerra Almeida and Clarice Bianchezzi —Flowers and Sherds: The Practice of Collecting Artifacts in Brazilian Amazon
 9:00 Brea McCauley, David Maxwell and Mark Collard—Upper Paleolithic Handprints with Missing Fingers: An Ethnological Perspective
 9:15 Patrick Lee, Jamie Inwood, Samson Koromo, Lucas Olesilau and Julio Mercader—Quantitatively and Qualitatively Evaluating the Impact that Palaeoanthropology Makes on the Lives of the Maasai People of Olduvai Gorge, Tanzania

- [3] **SYMPOSIUM ■ NPS ARCHEOLOGY: ENGAGING THE PUBLIC THROUGH EDUCATION AND RECREATION**

Room: 65 Hopi

Time: 8:00 AM–9:45 AM

Chair: Teresa Moyer

Participants:

8:00 Caroline Gardiner—Archeology as a Teaching Tool
 8:15 Sara Chavarria, Stanley Bond, Barbara Mills and Rebecca Renteria—Linking Southwest Heritage through Archaeology: Engaging Diverse High School Students and Their Communities
 8:30 Thadra Stanton—Back to School: A Review of the Southeast Archeological Center's Focused Efforts in the Fields of Outreach, Education, Engagement and Relevancy

- 8:45 Jillian Richie—Culture, Community, and Collaboration: Lessons from the Nome Archaeology Camp
- 9:00 Jorge Hernandez and Susan Snow—Using STEM to Educate the Public about Cultural Diversity in the San Antonio Missions
- 9:15 Meg Winnick—Artifacts and Lesson Plans: Using 3D Technologies to Teach Archeology
- 9:30 Katrina Erickson and William Reitze—A Backcountry Learning Laboratory: Archeology and Internships at Petrified Forest National Park

[4] FORUM ■ IF YOU'RE NOT AT THE TABLE, YOU'RE ON THE MENU: HOW TO EFFECTIVELY ADVOCATE FOR ARCHAEOLOGY

(Sponsored by SAA Government Affairs Committee)

Room: 70 Tewa

Time: 8:00 AM–10:00 AM

Moderator: Marion Werkheiser

Participants:

Terry Klein—Discussant
Donn Grenda—Discussant
David Lindsay—Discussant

[5] FORUM ■ INNOVATIVE APPROACHES TO PROTECTING NATIVE AMERICAN BURIALS ON NATIONAL PARK LANDS

Room: 21 Jemez

Time: 8:00 AM–10:00 AM

Moderators: Rosemary Sucec and Kimberly Spurr

Participants:

Kirk Anderson—Discussant
Steve Baumann—Discussant
Richard Begay—Discussant
David Bustos—Discussant
Betsy Chapoose—Discussant
Damian Garcia—Discussant
Amy Horn—Discussant
Laura Martin—Discussant
Holly Houghten—Discussant

[6] FORUM ■ THE MERITS OF THE ARCHAEOLOGY SKILLS PASSPORT FOR AMERICAN ARCHAEOLOGY

Room: 32 Tesuque

Time: 8:00 AM–10:00 AM

Moderator: Reymundo Chapa

Participants:

Rebecca Simon—Discussant
Michael Fedoroff—Discussant
Stephen Humphreys—Discussant

[7] FORUM ■ CONTROLLING THE NARRATIVE: ADDRESSING THE NEED FOR AN INDIGENOUS VALUES-FOCUSED NATIONAL REGISTER CRITERION**Room:** 60 Chaco**Time:** 8:00 AM–10:00 AM**Moderators:** Stephanie Stoermer and Jeani Borchert**Participants:**

Dianne Desrosiers—Discussant

Calvin Grinnell—Discussant

Emerson L. Bullchief—Discussant

Kelly Morgan—Discussant

[8] POSTER SESSION ■ EXPLORATIONS IN ETHNOARCHAEOLOGY**Room:** La Sala**Time:** 8:00 AM–10:00 AM**Participants:**

8-a Danielle Soza, Evelyn Pickering, François Lanoë and Maria Zedeno—Four Horns Lake: Physical and Spiritual Interactions

8-b Paul Nick Kardulias—The Ethnoarchaeology of Stone Craft Production in Athienou, Cyprus

8-c Erik Steinbach, Christopher Garraty, Gary Huckleberry and J. Andrew Darling—Hohokam Water-Harvesting in the Queen Creek Area: Archaeological and Ethnographic Perspectives of Water Management along Ephemeral Drainages in the Southern Arizona Desert

8-d Simon Weyer and Olivia Navarro-Farr—A Cross-Cultural Study of Ancient Beer Production at Hochdorf, Hierakonpolis, and Cerro Baúl

8-e John Pryor and Galen Lee—Toward a Nim (Mono) Archeology

8-f Brian Maitland—Molecular Characterization of Pine Pitch on Treated Water Vessels in the Four Corners Region

8-g Susan Ruth and James Boone —Clovis/Folsom Endsrapers and Gendered Hideworking: Ethnographic Analogy or Inference to the Best Argument?

8-h Nicole Smith—Materiality and Memory: Understanding the Clandestine Movement of Child Migrants along the U.S.-Mexico Border

8-i Ashley Parker, Kate Magargal and Brian Coddling—Tend or Travel? Examining Constraints of Traditional *Pinus monophylla* Harvest in Western Nevada

8-j Ayse Bursali and Ian Kuijt—From Homes to Ruins: Ethnoarchaeology and Small-Scale Village Dynamics at Post-19th Century Kizilkaya, Central Turkey

[9] POSTER SESSION ■ NORTH AMERICAN HISTORICAL ARCHAEOLOGY**Room:** La Sala**Time:** 8:00 AM–10:00 AM**Participants:**

9-a Robert Hoover—Rediscovering Assil: An Ethnohistoric Salinan Village

9-b Shawn Keyte—Discovery of A Lost Seminole War Fort: Fort Shackelford

9-c Karen Walker, William Marquardt, Victor Thompson, Michael Savarese and Chris Walsler—The Under-represented Mullet in SW Florida's Archaeological Assemblages

9-d Kathryn Cross—The Archaeology of Late-19th and Early-20th Century Freedman's Towns in Dallas, Texas

9-e Upuli DeSilva, Brittany Bingham, Kenneth Gobalet, Cyler Conrad and Brian Kemp—Importation of Salted Atlantic Cod (*Gadus morhua*) into San Francisco, California during the Gold Rush-Era (ca. 1849-1855)

9-f Gwendolyn Martin-Apostolatos—The High Cost of Living: Death and Social

- Identity of Missouri's Historic Columbia Cemetery
- 9-g Amanda Wissler and Nicolas Gauthier—The Frailty-Mortality Paradox: Insights from the Spanish Flu Pandemic of 1918
- 9-h Theresa Fish—Investigating the Archaeology of Shifting Community Values at Chrisholm Farmstead
- 9-i Kendra McCabe and William Billeck —Chronological Composition Variation of White Glass Beads from Plains and Midwest Sites
- 9-j Ella Axelrod and Scott Ingram—The Deadman's Cave Gulch Cache: Content in Search of Context
- 9-k Madison Long and Megan Perry —Bioarchaeological Analysis of a Historic North Carolina Family Cemetery
- 9-l Sarah Hall—Bodies Apart: Dissection and Embodied Structural Violence in a Historic Skeletal Assemblage from San Francisco
- 9-m Elizabeth Horton—Vacationing in Wonderland: Archaeology of Tourism in Yellowstone National Park
- 9-n Kenneth Cannon, Houston Martin and Molly Cannon—Exploring Surface Spatial Patterns of Ethnic Chinese Artifacts along the Central Pacific Railroad, Box Elder County, Utah
- 9-o Brad Lieb and Adam Moody —Chickasaw Pottery Vessel Form and Function in the Early Historic Period

[10] POSTER SESSION ■ ARCTIC AND SUBARCTIC ARCHAEOLOGY

Room: La Sala

Time: 8:00 AM–10:00 AM

Participants:

- 10-a Donald Holly, Christopher Wolff and Stephen Hull—The Struggle Was Real: The End of the Archaic and the Onset of the Intermediate Indian Period in Eastern Subarctic North America
- 10-b Senna Catenacci and Briana Doering —Evaluating Late Holocene Stone Tool Production at Delta Creek, Alaska
- 10-c Nicolette Edwards—Croxtton Site Faunal Assemblage: Pre- and Post-Deposition Disturbance Analysis
- 10-d Liz Ortiz—Marine Foragers at the Top of the World: Zooarchaeological Analysis of a Thule Period Small Site at Uivvaq, Alaska
- 10-e Nicholas Schmuck, Risa Carlson and James Baichtal—Shaheen: Early Holocene to Contact
- 10-f Risa Carlson, Nicholas Schmuck and James Baichtal—The Inland Life of Southeast Alaska
- 10-g Amanda Samuels and Christopher Wolff—Assessing Impacts of European Contact on Beothuk Projectile Point Technology
- 10-h Katelyn Braymer-Hayes and Shelby Anderson —A Spatial Analysis of Ceramics in Northwestern Alaska: Studying Pre-Contact Gendered Use of Space
- 10-i John White and Ted Goebel—Least-Cost-Path Analysis as a Predictive Device for Conveyance and Mobility Patterns: The Case of Walker Road Obsidian
- 10-j Erika Ebel, Christyann Darwent, Genevieve LeMoine and John Darwent—1000 Years of Small Bird Capture in NW Greenland
- 10-k Dana Yakabowskas and Christopher Wolff—Between a Rock and a Coastal Place: Analysis of Archaic Raw Material Use at Stock Cove, Newfoundland
- 10-l Brian Wygal, Kathryn Krasinski, Charles Holmes, Barbara Crass and David McMahan—Evaluation of Pleistocene Mammoth Ivory Use and Radiocarbon Laboratory Results from the Holzman Site in Interior Alaska
- 10-m Patrick Reed, Shelby Anderson and Caelie Butler—Birnik and Thule Pottery: Analysis of Arctic Ceramics from Inuigniq (Cape Espenberg), Alaska

- 10-n François Lanoë and Joshua Reuther —Environmental Change and Human Ecology in Central Alaska during the Early Holocene: Hollembaek's Hill

[11] POSTER SESSION ■ HISTORICAL ARCHAEOLOGY IN NEW ENGLAND

Room: La Sala

Time: 8:00 AM–10:00 AM

Participants:

- 11-a Caroline Watson, Jacob Daunais and Eric E. Jones—Settlement Ecology of 19th and Early 20th Century Farmsteads in Madison County, NY
- 11-b Carly Fant and Kenneth Nystrom—A Comparison: Two Methods for Timing Linear Enamel Hypoplasia among a 19th Century African American Population from Newburgh, New York
- 11-c Shayna Murphy, Kenneth Nystrom, Jennifer Geraghty and Adam Luscier—An Analysis of Fetal Remains Discovered in a New York Privy
- 11-d Gwendolyn Jones—A Preliminary Exploration of a Modest Massachusetts Homestead
- 11-e Donald Gaylord and Alison Bell—A Comparative Analysis of Ceramic Assemblages from Slave Plantation Sites in the Valley and Piedmont of Virginia

[12] POSTER SESSION ■ WAIT WAIT, DON'T TELL ME: WHAT HAVE WE LEARNED OVER THE PAST 40 YEARS AND HOW DO WE ADDRESS FUTURE CHALLENGES

Room: La Sala

Time: 8:00 AM–10:00 AM

Chairs: Jorie Clark and William Reed

Participants:

- 12-a Douglas Stephens—Attaining Goals Together: Collaborative Heritage Resource Stewardship and the Forest Service
- 12-b Robert Morgan, Matthew Taliaferro and Elizabeth Toney—Spatial Database to Spatial Knowledgebase: Predictive Modeling Challenges and Opportunities Across Time Space and Scale
- 12-c Jane Smith—The Ranger Boat Chugach
- 12-d William Reed and Linn Gassaway—Fire Archaeology: Preservation in Practice
- 12-e Jorie Clark and Jeremy Littell—Hot Spots: A Proposed Strategy for Reducing the Risk of Wildfire to Cultural Resources
- 12-f Connie Reid and Neil Weintraub—Addressing the Inevitable: Site Preservation Efforts in the Face of Global Climate Change
- 12-g Matthew Helmer—Planning for the Future: Integrated Resource Management and Ecosystem Services

[13] LIGHTNING ROUNDS ■ EXPLORING INTERSECTIONS OF TECHNOLOGY, LABOR, AND IDENTITY

Room: 120 Dona Ana

Time: 8:00 AM–10:00 AM

Moderators: Liam Frink and Kathryn Arthur

Participants:

- Briana Doering—Discussant
- Caroline Funk—Discussant
- James Bayman—Discussant
- Boyd Dixon—Discussant
- Willeke Wendrich—Discussant
- Peter Schmidt—Discussant

Victoria Sluka—Discussant
 Diane Lyons—Discussant
 John Arthur—Discussant
 Katherine Grillo—Discussant
 Audrey Horning—Discussant
 Maxine Oland—Discussant
 Kristen Barnett—Discussant
 Stephen Mrozowski—Discussant
 Lisa Maher—Discussant

[14] SYMPOSIUM ■ FROM TOMB RAIDER TO INDIANA JONES: PITFALLS AND POTENTIAL PROMISE OF ARCHAEOLOGY IN POP CULTURE

Room: 210 Tijeras

Time: 8:00 AM–10:15 AM

Chair: Ashley Hampton

Participants:

8:00 Thomas Munro-Harrison—Indigeneity, Identity and Survivance through Ongoing Cultural Practices
 8:15 Katherine Seeber—“Life is Better in Flip Flops”: Erasure of Coastal Indigenous and Gullah Geechee History and Communities by the Beach Vacation Industry
 8:30 Ashlee Bird—Synthetic Spaces and Indigenous Identity: Decolonizing Video Games and Reclaiming Representation
 8:45 Juan Hiriart—Teaching History with Digital Historical Games
 9:00 Petra Elfström—Public Education about Archaeological Practice with... Spaceships?: An Archaeologist Writing a Science Fiction Novel
 9:15 Jesse Harvkey—Dungeons, Dragons, and Conquest: Using Fantasy to Address Topics of Colonialism, Archaeology, and the Destruction of Indigenous Culture
 9:30 Paulina Przystupa—Archaeology and Comics: Cons, Concerns, and Creativity
 9:45 Buck Woodard—Representing Historical Culture on the Big and Small Screen: Success and Challenges from the Algonquian Chesapeake
 10:00 Kisha Supernant—Discussant

[15] SYMPOSIUM ■ CULTURING THE BODY: PREHISTORIC PERSPECTIVES ON IDENTITY AND SOCIALITY

Room: 20 Laguna

Time: 8:00 AM–10:45 AM

Chairs: April Nowell and Benjamin Collins

Participants:

8:00 Diana Loren—Body Histories, Historical Bodies: Adornment, Culture and Identity through Time
 8:15 April Nowell and Oscar Moro Abadia—From Trinkets to Privileged Artifacts: The Transition in our Understanding of Paleolithic Personal Ornaments
 8:30 João Zilhão—Personal Ornaments and the Middle Paleolithic Revolution
 8:45 Mary Stiner—Does the Emergence of Paleolithic Body Ornamentation Signal an Unprecedented Aptitude for Symbolizing Behavior or Just a New Application?
 9:00 Ewa Dutkiewicz, Sibylle Wolf and Nicholas Conard—Constructing Identity in the Swabian Aurignacian
 9:15 Daniella Bar-Yosef Mayer—The Color of Personal Ornaments in Prehistoric Periods of the Levant
 9:30 Tammy Hodgskiss—The Many Meanings of Red: Ochre Use through Time in Southern Africa
 9:45 Jean-Michel Chazine—Hands Stenciling: Men & Women as Healing Process?

- 10:00 Heeli Schechter, Nigel Goring-Morris and Daniella Bar-Yosef Mayer—Shells at Death – The Use of Shells in Neolithic Mortuary Contexts
- 10:15 Benjamin Collins, April Nowell and Christopher Ames—Who Let the Beads Out? The Importance of Bead Manufacture and Exchange at Grassridge Rockshelter, South Africa, and Implications for Understanding Holocene Social Networks in Southern Africa
- 10:30 Questions and Answers

[16] SYMPOSIUM ■ TRANSCENDING BOUNDARIES AND EXPLORING PASTS: CURRENT ARCHAEOLOGICAL INVESTIGATIONS OF THE ARIZONA-SONORA BORDERLANDS

Room: 17 Apache

Time: 8:00 AM–10:45 AM

Chair: Andrew Veech

Participants:

- 8:00 Andrew Veech—American Periphery, Sonoran Heartland: Recent Archaeological Explorations of Organ Pipe Cactus National Monument
- 8:15 John Carpenter and Guadalupe Sanchez Miranda—Resilience in an Arid Environment: Long-Term Climate Change and Human Adaptations in Sonora
- 8:30 Adrienne Rankin—Prehistoric and Historical Period Agricultural Strategies in the Western Papagueria: Archaeological and O’odham Perspectives
- 8:45 Elisa Villalpando and James Watson—Early Mortuary Traditions in the Arizona-Sonora Borderlands
- 9:00 Maren Hopkins, Michael Spears and T. J. Ferguson—O’odham Travel in the U.S.-Mexico Borderlands: Identifying Travel Routes on Organ Pipe Cactus National Monument
- 9:15 Jupiter Martinez—The Cocospera Valley in the Prehistoric, Protohistoric and Misión Period: A Corridor of Cultural Exchange?
- 9:30 Cheryl Blanchard—Transcending Boundaries and Exploring Pasts: Conservation Efforts on Public Lands near the Borderlands
- 9:45 César Villalobos—Los que viven donde sopla el verdadero viento: Bahía Tepoca, Sonora, Archaeology of the Coast in the Gulf of California
- 10:00 Jared Renaud—Developing a Condition Monitoring Plan for Archeological Sites at Organ Pipe Cactus National Monument
- 10:15 Lauren Kingston—Discussant
- 10:30 Randall McGuire—Discussant

[17] SYMPOSIUM ■ COLLABORATIVE AND COMMUNITY-BASED ARCHAEOLOGY

Room: 19 Isleta

Time: 8:00 AM–10:45 AM

Chair: Charles Bello

Participants:

- 8:00 Charles Bello and Carolyn Dillian—Opening Remarks to the Session and A Case Study of Tribal Involvement with Research into the Indian Division of the Civilian Conservation Corps (1933-1942)
- 8:15 Howard Higgins—Returning the Gift: Scientific Research and Heritage Preservation
- 8:30 Michele Koons and Mark Mitchell—Community Archaeology at Magic Mountain, Golden, Colorado
- 8:45 J. Gregory Smith and Kierson Crume—Archaeological Collaboration in Northwest Wyoming: Recording BLM Sites with College Students
- 9:00 David Guilfoyle, Jen Smith, Genevieve Carey, Jenna May and Robert Bearheart—Connecting Language, Places, Stories, and Archaeology for

- Landscape-level Heritage Preservation: A Collaborative Archaeology Case Study of Eyak Lake, Alaska
- 9:15 Matthew Tomaso—Archaeology and the Historical Construction of Community at Feltville / Glenside Park
- 9:30 Richard Veit—Searching for the “Lighthouse Fort and the Refugee Town” on Sandy Hook, Public Archaeology at a Storied Historical Site
- 9:45 Suzie Thomas—Is It Possible to Please Everyone? Creating an Open Source Finds Database for Finland
- 10:00 Ronald Maldonado—Long Days Journey into Night: Collaboration and Research on The Navajo Reservation
- 10:15 Meghan Dudley—Working Together for the Past: Developing a Stewardship Program for Oklahoma
- 10:30 Carolyn Dillian—Discussant

[18] SYMPOSIUM ■ BEYOND THE ROUND HOUSE: SPATIAL LOGIC AND SETTLEMENT ORGANIZATION ACROSS THE LATE ANDEAN HIGHLANDS

Room: 16 Acoma

Time: 8:00 AM–10:45 AM

Chairs: Elizabeth Arkush and Anna Guengerich

Participants:

- 8:00 Elizabeth Arkush—Behind the Walls: LIP Architecture and Settlement Organization across the Peruvian Titicaca Basin
- 8:15 Alejandra Sejas Portillo—Conflict, Spatial Organization and Group Identity during the Late Intermediate Period in the Bolivian Southern Altiplano
- 8:30 Ryan Smith—An Alternative Pattern of Coalescence: A Study of Architecture and Organization at a Non-fortified, Pre-Inca Town in the Southern Highlands of Peru
- 8:45 Lauren Kohut—Constructing Difference: Defense, Sensory Experience, and Social Difference at a Late Prehispanic Hillfort (Arequipa, Peru)
- 9:00 Steve Kosiba and Bruce Mannheim—Ancient Andean Scalarity
- 9:15 Darryl Wilkinson—Neither Up nor Down? The Late Intermediate Period Occupation of the Andes-Amazonia Frontier in Southern Peru
- 9:30 Manuel Perales—Where Are the Cinchecona? Mortuary Architecture and Socio-political Organization in Jauja, Peru, during the Late Intermediate Period
- 9:45 Alexis Mantha—Contrasting Use of Space among Neighbors: Puna versus Quechua/Suni Residential Settlements of the Rapayán/Tantamayo Region during the LIP
- 10:00 Anna Guengerich—Houses and the Puzzle of “Public Space” in Ceja de Selva Communities of Northeastern Peru
- 10:15 Jerry Moore—Discussant
- 10:30 Questions and Answers

[19] SYMPOSIUM ■ RECOGNIZING AND RECORDING POST-1492 INDIGENOUS SITES IN NORTH AMERICAN ARCHAEOLOGY

Room: 23 Nambé

Time: 8:00 AM–11:00 AM

Chairs: Lee Panich and Tsim Schneider

Participants:

- 8:00 Ian Kretzler—“I Can Tell It Always”: Confronting Colonialist Presumptions and Disciplinary Blind Spots through Community-Based Research
- 8:15 Catherine Dickson and Shawn Steinmetz—On the Rez, It's All Our History
- 8:30 Kathleen Hull—Recognizing Post-Columbian Indigenous Sites in California's

- 8:45 Colonial Hinterlands
Lee Panich and Tsim Schneider—Documenting Persistence: The Archaeological Paper Trail of Indigenous Residence in Marin County, California, 1579-1934
- 9:00 Hannah Russell—Looking at the World through Rose-Colored Flaked Glass
- 9:15 Laura Scheiber—Native Narratives and Settler Colonialism in the Rocky Mountain West
- 9:30 Sarah Trabert—Understanding Ancestral Wichita and French Trade at the Deer Creek (34KA3) Site
- 9:45 Matthew Beaudoin—Is Archaeology Up to the Pepsi Challenge?: The Identification of Marginalized Populations in CRM Archaeology
- 10:00 Kurt Jordan—Small Sites as Evidence for Seneca and Cayuga Settlement Expansion, circa 1640-1690
- 10:15 Heather Law Pezzarossi—Belonging, Not Belongings: Thinking beyond the "White Possessive" in the Identification of 19th Century Indigenous Landscapes in New England
- 10:30 Maureen Mahoney, Dave Scheidecker and Paul Backhouse—Distrust Thy Neighbor: Examining Reservation Period Camps through Tribal Archaeology and Story Mapping
- 10:45 James Snead—Discussant

[20] SYMPOSIUM ■ HUMANE ARCHAEOLOGY**Room:** 25 Navajo**Time:** 8:00 AM–11:00 AM**Chairs:** Carly Ameen and Naomi Sykes**Participants:**

- 8:00 Greger Larson, Julia Best, Alison Foster, Ophelie Lebrasseur and Naomi Sykes—The Human-Chicken-Environment Nexus
- 8:15 Carly Ameen, Joel Alves, Thomas Fowler, Greger Larson and Naomi Sykes—Tracking Ancient Animals to Provide an Archaeological Perspective on Wild Mammal Management, Conservation and 'Rewilding'
- 8:30 Jon Henderson—The Legacy of the Oceans: Past Marine Exploitation and the Sustainable Development Agenda
- 8:45 Robin Bendrey and Guillaume Fournié—Cause and Effect: Human-Animal Relationships and Zoonotic Brucellosis in Long Term Perspective
- 9:00 Evangelos Dimopoulos, Irina Velsko, Evan Irving Pease, Laurent Frantz and Greger Larson—The Significance of Robustly Identifying Microbes in Archaeological Samples of Humans and Domesticated Animals
- 9:15 Linda Hurcombe and Theresa Emmerich Kamper—The Materiality of Human-Animal Relationships: Animals as Hides, Furs, Fibres, Sinew, and Tools
- 9:30 Robin Cordero—The Effects of Sedentism and Increased Agricultural Production on Migratory Bird Flyways: A Case Study from the American Southwest
- 9:45 Alexandra Jamieson and Greger Larson—Adventures of the Mountain Hare: An Ancient DNA Study
- 10:00 Luke John Murphy and Carly Ameen—Shifting Baselines of the British Hare Goddess(es?)
- 10:15 Christopher Roos—Pyric Herbivory in Ancient North America
- 10:30 Margherita Zona, Edouard Masson-MacLean, Carly Ameen, Camilla Speller and Keith Dobney—Tracing the Human Exploitation of Salmonids on the Pacific Coast of North America
- 10:45 Questions and Answers

- [21] SYMPOSIUM ■ TO CURATE OR NOT TO CURATE: SURPRISES, REMORSE, AND ARCHAEOLOGICAL GREY AREA**
Room: 28 Santo Domingo
Time: 8:00 AM–11:00 AM
Chair: Gwenn Gallenstein

Participants:

- 8:00 Ellen Brennan—Field-Based Decisions on Collection of Archaeological Materials: Monitoring and Ethics
8:15 Linda Neff, Ronald Krug and Peter Pilles—To Collect or Not to Collect: That Is the Question ...But Where Is the Point?
8:30 Lisa Leap, Gwenn Gallenstein and Stewart Koyiyumptewa—Please Put It Back: A Non-NAGPRA Case of Reburial
8:45 Gwenn Gallenstein—Remorseful Returns: What to Do with Returned Surface-Collected Items from National Park Service Units
9:00 Wendy Bustard—Competing Cultures: A New Age in Chaco Canyon
9:15 Diana Barg—Looted and Recovered Artifacts: The Art of Deciding What to Curate as Demonstrated Through the Cerberus Collection
9:30 Tracy Murphy—From Grandma’s Attic to Amnesty Programs: Adventures in Accessioning Archaeological Collections
9:45 Elaine Hughes—Archaeological Collecting at the Museum of Northern Arizona: Then and Now
10:00 Patrick Lyons—To Curate or Not to Curate: Legal, Ethical, and Practical Considerations at the Arizona State Museum
10:15 Holly Metz—Beyond Ethical, Legal and Practical Considerations: Unprovenient Archaeological Items at Descendant Tribal Heritage Centers and Museums
10:30 Terry Childs—Discussant
10:45 Questions and Answers

- [22] SYMPOSIUM ■ ARCHAEOLOGY AS A PUBLIC GOOD: WHY STUDYING ARCHAEOLOGY CREATES GOOD CAREERS AND GOOD CITIZENS**
Room: 15 Zuni
Time: 8:00 AM–11:00 AM
Chairs: Stanton Green and Joseph Schuldenrein

Participants:

- 8:00 Bill Iseminger—Five Decades of Public Archaeology at Cahokia Mounds
8:15 Dennis Lewarch—Using Archaeological Training to Help Tribal Communities
8:30 Claire Smith, Jordan Ralph, Jasmine Willika, Guy Rankin and Gary Jackson—Mapping Unmarked Graves in Remote Australian Aboriginal Communities
8:45 Lisa Rankin and Barry Gaulton—A Sense of Community: Archaeology, Participatory Democracy and Social Justice in Canada’s Easternmost Province
9:00 Questions and Answers
9:15 Susan Prezzano—Archaeology as a Public Good: the Summer Field School Program at Clarion University of Pennsylvania
9:30 Anna Dixon—Excited about Archaeology: Opportunities for Students at a 4-Year University
9:45 Timothy Dodson—A State Agency’s Perspective
10:00 Ben Resnick—Making Public Archaeology More Public
10:15 J. Joseph—Science, Circumstance, Dollars and Cents: Perspectives on the Public Benefit of Archaeology
10:30 Laurence Bartram—Off the Beaten Path: Employing an Archaeological Education in Non-traditional Careers
10:45 Stanton Green—Discussant

[23] SYMPOSIUM ■ EPHEMERAL AGGREGATED SETTLEMENTS: FLUIDITY, FAILURE OR RESILIENCE?**Room:** 215 San Miguel**Time:** 8:00 AM–11:00 AM**Chairs:** Manuel Fernandez-Gotz and Michael Smith**Participants:**

- 8:00 Michael Smith—Temporary Aggregation Sites in the Past: Are They Really So Strange and Anomalous?
- 8:15 Michael Shott—Hunter-Gatherer Fission-Fusion in Ethnographic and Archaeological Records: From the Mbuti to Paleoindians
- 8:30 Stefan Brannan and Jennifer Birch—Comparing Middle Woodland and Mississippian Period Agglomerations in the Eastern Woodlands of North America
- 8:45 Simon Stoddart—Delicate Nucleation in Etruria
- 9:00 Nicola Terrenato—Weakness and Precariousness in Central Italian Urbanization
- 9:15 Questions and Answers
- 9:30 Manuel Fernandez-Gotz—Narratives of Rise and Collapse: Fragile Urbanism in Early Iron Age Europe
- 9:45 Caroline Von Nicolai—Rhythms of Settlement Aggregation and Disintegration in Iron Age Bavaria
- 10:00 Søren Sindbæk—The Strange Attraction of Viking-Age Urbanism: The Predicament of Emporia
- 10:15 Alexandra Sanmark—The Seasonality of Ritual Sites in Viking-Age Scandinavia and Iceland
- 10:30 Roland Fletcher—Seasonal, Dispersed and Ephemeral
- 10:45 Justin Jennings—Discussant

[24] SYMPOSIUM ■ AFTER DARK: THE NOCTURNAL URBAN LANDSCAPE & LIGHTSCAPE OF ANCIENT CITIES**Room:** 220 Ruidoso**Time:** 8:00 AM–11:00 AM**Chairs:** Nan Gonlin and Meghan Strong**Participants:**

- 8:00 Nan Gonlin and Meghan Strong—City Nights: Archaeology of Night, Darkness, and Luminosity in Urban Environments
- 8:15 Meghan Strong—Looking for Light in Ancient Egyptian Nocturnal Rituals
- 8:30 Shadreck Chirikure, Munyaradzi Manyanga and Genius Tevera—After Dark: The Nocturnal Urban Landscape of Great Zimbabwe
- 8:45 John Janusek—Living Landscapes of Night in Tiwanaku, Bolivia
- 9:00 Kristin Landau, Christopher Hernandez and Nan Gonlin—Lunar Power in Ancient Maya Cities
- 9:15 Martha Cabrera Romero—Every Day Hath a Night: Nightlife and Religion in the Wari Empire, Peru
- 9:30 Susan M. Alt—Cahokia After Dark: Affect, Water, and the Moon
- 9:45 Robert Weiner—Night and Darkness in Chaco Canyon
- 10:00 Kirby Farah—Bright Light in the Big City: The Aztec New Fire Ceremony and the Drama of Darkness
- 10:15 Susan Toby Evans—Night Falls on Tenochtitlan
- 10:30 Questions and Answers
- 10:45 Monica L. Smith—Discussant

[25] SYMPOSIUM ■ ARCHAEOLOGY, CULTURAL HERITAGE, AND PUBLIC EDUCATION AT TIJERAS PUEBLO, NEW MEXICO

Room: 29 Sandia

Time: 8:00 AM–11:15 AM

Chairs: Sandra Arazi-Coombs and Judith Habicht-Mauche

Participants:

- 8:00 Sandra Arazi-Coombs—Tijeras Pueblo in Review: A Summary of Previous Research and Site Significance
- 8:15 David Phillips, Karen Armstrong and Karen Price—Rescuing Collections from Us: The Tijeras Pueblo Story
- 8:30 Judith Habicht-Mauche and Suzanne Eckert—The Western Connection: Using Comparative NAA Data to Source Glaze Wares from Tijeras Pueblo
- 8:45 Lucy Schuyler—The Jewelry of Tijeras Pueblo
- 9:00 Paul Secord—Turquoise, Lead and Copper at Tijeras Pueblo and Environs
- 9:15 Scott Kirk, Emily Lena Jones, Caitlin Ainsworth and Jana Meyer—The Community at the Crossroads: Insights into Connectivity from the Tijeras Pueblo Fauna
- 9:30 Jana Meyer—Health and Resource Distribution at Tijeras Pueblo
- 9:45 Carla Van West—Tree-Rings Tales from Tijeras Pueblo
- 10:00 Lisa Huckell—New Life for Old Samples: Investigating the Paleoethnobotanical Record from Tijeras Canyon
- 10:15 Cynthia Benedict and Jeremy Kulisheck—Tijeras Pueblo - Challenges and Opportunities of Managing a National Register Property within a US Forest Service Administrative Site
- 10:30 Judy Vredenburg and Marc Thompson—Interpretive Strata at Tijeras Pueblo
- 10:45 Deborah Jojola—Tiwa Mural/Map Project: The “Tiwa World”
- 11:00 Questions and Answers

[26] SYMPOSIUM ■ ARCHAEOLOGY ON THE EDGE(S): TRANSITIONS, BOUNDARIES, CHANGES, AND CAUSES

Room: 230 Pecos

Time: 8:00 AM–11:15 AM

Chair: Pei-Lin Yu

Participants:

- 8:00 Robert Hitchcock—Domestic Crop Production among the Ju/'hoansi San of Nyae Nyae, Namibia: Ethnoarchaeological and Ethnographic Perspectives
- 8:15 Pei-Lin Yu—On the Neolithic Edge: Predicting Crop Adoption by Paleolithic Foragers of Taiwan
- 8:30 Shengqian Chen—Living in the Marginal Land of Agriculture: The Adaptive Changes and Risks in the Ecotone of North China
- 8:45 Meng Zhang—Across Boundaries: Origin of Microblade Technology in NE Asia under a Macroecological Approach
- 9:00 Mark Plew and Louisa Dagers—Moving Beyond: Using Methods of Assessing Holocene Environmental Change in Northwestern Guyana
- 9:15 Luis Borrero and Fabiana Martin—Fragmented Records: Fuego-Patagonian Hunter-gatherers and Archaeological Change
- 9:30 James Enloe—Changes and Reactions: Hunting and Gathering by Agriculturalists in the Woodland Period
- 9:45 David Zeanah—The Role of Theory and Ethnographic Analogies in Understanding Paleoindian Mobility in the Great Basin
- 10:00 Joseph Wardle—Variation in the Configuration of the Middle Snake River and its Relationship to Prehistoric Fishing Site Locations
- 10:15 Bradley Vierra—Drought and the Transition from Foraging to Farming in the

- 10:30 American Southwest
Amber Johnson, Tanigha McNellis and Anthony Scimeca—Differentiating Ecological Contexts of Plant Cultivation and Animal Herding: Implications for Culture Process
- 10:45 Questions and Answers
- 11:00 Matthew Schmader—Discussant

[27] SYMPOSIUM ■ PARADIGMS SHIFT: NEW INTERPRETATIONS IN MAINLAND SOUTHEAST ASIAN ARCHAEOLOGY
Room: 31 Santa Ana
Time: 8:00 AM–11:00 AM
Chairs: Vincent C. Pigott and Chin-hsin Liu

Participants:

- 8:00 Vincent C. Pigott—The Technology of Metallurgy and Evolving Views of Its Development in Prehistoric Thailand
- 8:15 Joyce White—Explaining Prehistoric Thailand's 2000 Year Resilient Growth Economy and Peaceful Society: A Bottom-up Approach
- 8:30 Judy Voelker—Rethinking Household/Community Based Production – Broadening the Conversation
- 8:45 Karen Mudar—Old Bones, New Data: Pigs and Dogs from Prehistoric Non Pa Wai, Lopburi Province, Central Thailand in a Regional Context
- 9:00 Chin-hsin Liu—A Bioarchaeological View on Long-Term Development in Prehistoric Central Thailand
- 9:15 R. Alexander Bentley—Kinship and Migration in Prehistoric MSEA: Insights from Isotopic Analysis over the Years
- 9:30 Nancy Tayles, Sian Halcrow, Kate Domett, Louise Shewan and Dougal O'Reilly—Don't Throw the Baby out with the Bathwater: New Insights into Palaeodemographic Change with the Intensification of Agriculture in Southeast Asia
- 9:45 Nigel Chang—Individual, Family, Site, 'Community' or Region? Thinking Across Spatial and Social Scale in Prehistoric Laos and Thailand
- 10:00 Lisa Kealhofer, Kaseka Phon, Peter Grave, Miriam Stark and Darith Ea—Centralized Power/Decentralized Production? Angkorian Stoneware and the Southern Production Complex of Cheung Ek, Cambodia
- 10:15 Alison K. Carter, Hong Wang, Miriam Stark, Rachna Chhay and Piphai Heng—Mind the Gap: Occupation at Angkor Wat and Implications for the Decline of Angkor
- 10:30 Questions and Answers
- 10:45 Ben Marwick—Discussant

[28] SYMPOSIUM ■ TALES OF THE FEATHERED SERPENT: REFINING OUR UNDERSTANDING OF AN ENIGMATIC MESOAMERICAN BEING
Room: 18 Cochiti/30 Taos
Time: 8:00 AM–11:30 AM
Chairs: Jeremy Coltman and Cynthia Kristan-Graham

Participants:

- 8:00 Cynthia Kristan-Graham—Discussant
- 8:15 Jillian Mollenhauer—Reconsidering the Feathered Serpent in Mesoamerica's Formative Period
- 8:30 Saburo Sugiyama—New Data and New Perspectives of the Feathered Serpent Symbolism and Polity at Teotihuacan
- 8:45 Darren Longman and John Pohl—Feathered Serpents of the Oaxacan Isthmus

- and Pacific Coast, Mexico: Hybridity, Ritualized Environments, and Territorial-Narratives
- 9:00 Curtis Schaafsma and Polly Schaafsma—Which Serpent Are We Talking About?
- 9:15 Jerald Ek—In the Path of the Snake: Connecting Myth and Material Culture in the Late Prehistory of Champotón, Campeche
- 9:30 Questions and Answers
- 9:45 Jeff Kowalski—Feathered Serpents at Uxmal: Creation, Cosmos, Cosmopolitanism, and Kingship
- 10:00 William Ringle—The Other Flying Serpent
- 10:15 Jeremy Coltman and Karl Taube—From Chichen Itza to Tulum: The Late Postclassic Maya Feathered Serpent of the Northern Maya Lowlands
- 10:30 Geoffrey McCafferty—Feathery Serpents of the Greater Nicoya Region
- 10:45 Kim Richter—Postclassic Huastec Art and the Cult of the Feathered Serpent
- 11:00 Emily Umberger—Quetzalcoatl in Late Aztec Sculptures
- 11:15 Lisa Lucero—Discussant

[29] SYMPOSIUM ■ RESEARCH AND CRM ARE NOT MUTUALLY EXCLUSIVE: J. STEPHEN ATHENS—FORTY YEARS AND COUNTING

Room: 280 Ballroom A

Time: 8:00 AM–11:30 AM

Chair: Timothy Rieth

Participants:

- 8:00 Ethan Cochrane, Timothy Rieth and Darby Filimoehala—Getting the Chronology Correct: Bayesian Chronological Analysis of Initial Ceramic Deposits in Island Southeast Asia
- 8:15 Peter White, Robin Torrence and Vince Neall—The Best Gifts Come in Small Packages? Coring Volcanic Landscapes in New Britain
- 8:30 Thomas Dye—Event, Process, and Occurrence: A Bayesian View
- 8:45 Myra Jean Tuggle—Farms with a View: The Evolution of Agriculture at Kealakekua, Hawai'i
- 9:00 Alex Morrison—A Synthesis of Windward Oahu Archaeology
- 9:15 Jerome Ward—Kanaloa: Lessons from Paleocology of a Once Common Lowland Forest Species in Hawai'i
- 9:30 Melinda Allen—Human Ecodynamics in Central East Polynesia
- 9:45 Questions and Answers
- 10:00 Rona Ikehara-Quebral, Judith McNeill, Michele Toomay Douglas and Michael Pietrusewsky—Apotguan Revisited: A Bioarchaeological Analysis of Latte Period Burials from Guam
- 10:15 Timothy Rieth, Alex Morrison and Rona Ikehara-Quebral—Nearly Two Millennia of Occupation along Ylig Bay, Guam: Archaeological, Osteological, and Paleoenvironmental Data
- 10:30 Rosalind Hunter-Anderson—Paleo-sediment Coring Studies in Micronesia: A Review and Critique
- 10:45 Greg Burtchard—Buck Lake, Archaeological Research, and Subsistence and Settlement Patterns at Mount Rainier National Park
- 11:00 Maria-Auxiliadora Cordero—Looking for Sites in All the Wrong Places: Finding Evidence of Pre-ceramic Occupations in Northern Highland Ecuador
- 11:15 David Welch, Judith McNeill, Naoki Higa, Alexandra Garrigue and Taku Mukai—Historical and Archaeological Investigations in the Mountain Forests of Okinawa, Japan

[30] SYMPOSIUM ■ ANCIENT MAYA LANDSCAPES IN NORTHWESTERN BELIZE, PART I**Room:** 235 Mesilla**Time:** 8:00 AM–11:45 AM**Chairs:** Thomas Guderjan and Fred Valdez**Participants:**

- 8:00 Debora Trein, Angelina Locker, Stacy Drake, Manda Adam and Patricia Neuhoff-Malorzo—They Blinded Me with Science: Methods and Approaches at the Programme for Belize Archaeological Project (PfBAP)
- 8:15 Thomas Hart, Debora Trein and Fred Valdez—Maya Paleoethnobotany and La Milpa: Evidences from Northwest Belize
- 8:30 Marisol Cortes-Rincon, Jeremy McFarland, Jonathan Roldan, Cady Rutherford and Spencer Mitchell—Ancient Maya Mobility: Hinterlands Sacbe Systems
- 8:45 Nicholas Brokaw and Sheila Ward—Connecting Archaeology and Ecology in Northwest Belize
- 9:00 Colleen Hanratty, Thomas Guderjan, Carlos Quiroz, Hollie Lincoln and Kevin Austin—Understanding the Architectural, Ritual, and Temporal Dynamics of a Maya City: A Perspective from Xnoha, Belize
- 9:15 Thomas Guderjan, Joshua Kwoka and Colleen Hanratty—And here's the NEWS from Xnoha! Understanding Maya Settlement and Early Anthropocene Landscape Modifications at a Small Maya Center
- 9:30 Marc Wolf and Thomas Guderjan—Filling in the Maya Mosaic of Northwestern Belize: Survey and Mapping at MRP
- 9:45 Eleanor King, Neil Hansen, Richard E. Terry, Christine Taylor and Michael Brennan—Soil Differences and Their Implications for Plaza Function and Site Organization at Maax Na, Belize
- 10:00 Rissa Trachman and J. Alex Canterbury—Everyday Life in a Maya Center: New Data towards Social, Economic, and Ritual Behavior at the Ancient City of Dos Hombres
- 10:15 Stacy Drake—Exploring Trends in Mortuary Behavior among the Ancient Maya of Northwestern Belize
- 10:30 Hannah Plumer-Moodie and Katherine Miller Wolf—Bioarchaeology in the Northern Three Rivers Region of Belize: Teaching and Research Trajectories in a Bioarchaeological Field School
- 10:45 Laura Levi—Making Place: A View from Northwestern Belize
- 11:00 Benjamin Baaske and Joshua Kwoka—E-Groups and Classic Maya Ritual: Recent Investigations at Tz'unun, Belize
- 11:15 Robyn Dodge and David M. Hyde—Ongoing Research at Hun Tun and Medicinal Trail Community: The Ancient Maya Hinterland of Northwestern Belize
- 11:30 Sarah Boudreaux—Ceramic Technological Trends in the Three Rivers Region: A Late Classic Maya Overview

[31] SYMPOSIUM ■ CELEBRATING ANNA KERTTULA'S CONTRIBUTIONS TO NORTHERN RESEARCH**Room:** 275 Ballroom B**Time:** 8:00 AM–11:45 AM**Chair:** Thomas McGovern**Participants:**

- 8:00 Shelby Anderson, Colleen Strawhacker, Aaron Presnall and Arctic Horizons Steering Committee—Arctic Horizons: Forging Priorities for Arctic Social Sciences and NSF Funding
- 8:15 Cameron Turley and Aká Bendtsen—Community-Based and Collaborative Archaeology in South Greenland: Past, Present, Future
- 8:30 Michelle Hegmon and Matthew Peeples—The Human Experience of Social

- 8:45 Transformations in the North Atlantic and US Southwest
Frank Feeley—Rescue Excavations at a Medieval Fishing Station in Western Iceland
- 9:00 Vicki Szabo, Brenna Frasier, Michael Buckley, Thomas McGovern and Ingrid Mainland—Transdisciplinary Analysis of Marine Mammal Use in the Norse North Atlantic and Subarctic
- 9:15 Margaret Nelson and Thomas McGovern—Synthesis of Social-Ecological Change in the North Atlantic and US Southwest
- 9:30 Michele Smith—Norse Textiles at the Western Edge of the North Atlantic
- 9:45 Diane Hanson—Clearing the Fog: Contributions to Central Aleutian Island Archaeology
- 10:00 Kevin Smith—EAGERS and RAPIDS – Small Grants with Big Outcomes at Surtshellir Cave, Iceland
- 10:15 Sveta Yamin-Pasternak and Igor Pasternak—The Book Antler on the Sea and Community Perspectives from Sireniki, Anna's Home Village in Chukotka, Russia
- 10:30 Megan Hicks—Expanding Archaeological Research in Mývatnssveit: Conservation, Politics, and Modernity
- 10:45 Ben Fitzhugh, Catherine F. West and Sven Haakanson—Anna and the Sea: Reflections on Anna Kerttula's Influence on a Generation of North Pacific Archaeology
- 11:00 Anne Jensen—Discussant
- 11:15 Tim Kohler—Discussant
- 11:30 Sophia Perdikaris—Discussant

[32] SYMPOSIUM ■ RECENT ADVANCES AND DEBATES IN THE PLEISTOCENE

ARCHAEOLOGY OF AFRICA

(Sponsored by Society of Africanist Archaeologists)

Room: 240 La Cienega

Time: 8:00 AM–11:45 AM

Chairs: Amanuel Beyin and David Wright

Participants:

- 8:00 Erich Fisher, Hayley Cawthra, Irene Esteban and Justin Pargeter—Coastal Occupation and Foraging During the Terminal Pleistocene and Early Holocene at Waterfall Bluff, Eastern Pondoland, South Africa
- 8:15 Justin Pargeter, Hayley Cawthra, Irene Esteban, Erich Fisher and Rosaria Sakutra—The Msikaba Red Sand Dunes: Middle Pleistocene Lithic Technological Variability in Pondoland, South Africa
- 8:30 Benjamin Schoville, Jayne Wilkins, Kyle Brown, Alex Blackwood and Jessica von der Meden—Landscape Technological Strategies in the Southern Kalahari Basin: North of Kuruman Archaeological Survey, South Africa
- 8:45 Jayne Wilkins, Benjamin Schoville, Robyn Pickering, Luke Gliganic and Benjamin Collins—Investigating Human Origins in the Kalahari Basin: New Results from Ga-Mohana Hill North Rockshelter
- 9:00 Brian Stewart and Genevieve Dewar—Charting Late Pleistocene Social Networking in Southern Africa Using Strontium Isotope Geochemistry
- 9:15 Alex Bertacchi, Jessica Thompson, Stanley Ambrose, Andrew Zipkin and Elizabeth Gomani-Chindebvu—Late Pleistocene Archaeofauna from the Kasitu Valley of Northern Malawi: Palaeoenvironments and Evolution of Faunal Communities in the Zambezi Ecoregion
- 9:30 David Wright, Jeong-Heon Choi and Jessica Thompson—Construction of Pleistocene Geochronologies in Central Africa: Luminescence Dating in Northern Malawi

- 9:45 Eugene Smith, Racheal Johnsen, Jayde Hirniak, Minghua Ren and Curtis Marean—Cryptotephra Studies in Africa: A Tool for Precise Dating and Continental Correlation of Archaeological Sites
- 10:00 Stanley Ambrose—Calibrating the Chronology of Late Pleistocene Climate Change and Archaeology with Geochemical Isochrons
- 10:15 Julio Mercader, Fergus Larter, Julien Favreau, Jamie Inwood and Maria Soto—Microremains on Stone (Tools): Discriminating Function-Related from Natural Residues
- 10:30 John Shea—The EAST Typology: A Remedy for Eastern Africa's "Lithics Systematics Anarchy"
- 10:45 Steven Brandt, Benjamin Smith, Abebe Taffere, Elisabeth Hildebrand and Brady Kelsey—Mochena Borago Rockshelter and the Southwest Ethiopian Highlands as a Late Pleistocene Hunter-Gatherer Refugium: The Current State of Research
- 11:00 Michael Rogers, Sileshi Semaw, Gary Stinchcomb, Naomi Levin and Jay Quade—The Middle Stone Age at Gona, Afar, Ethiopia: Implications for Regionalization and Migrations
- 11:15 Amanuel Beyin—Revealing Hominin Occupation of the Western Margin of the Red Sea Basin: Recent Progress
- 11:30 Deborah Olszewski, Brenda Baker and Sidney Rempel—The Middle Stone Age Record in Egypt and Sudan: Implications for Out of Africa 2

[33] SYMPOSIUM ■ HUMAN BEHAVIORAL ECOLOGY AT THE COASTAL MARGINS: GLOBAL PERSPECTIVES ON COASTAL & MARITIME ADAPTATIONS

Room: 115 Brazos

Time: 8:00 AM–12:00 PM

Chairs: Heather Thakar and Carola Flores-Fernandez

Participants:

- 8:00 Catherine F. West and Ben Fitzhugh—Human Behavioral Ecology and the Complexities of Arctic Foodways
- 8:15 Hiroto Takamiya, Takeji Toizumi and Taiji Kurozumi—Coastal Resource Use during the Prehistoric Times in the Amami and Okinawa Archipelagos, Japan
- 8:30 Shannon Tushingam—Archaeology and Behavioral Ecology of Maritime Hunter-gatherers of the Northeast Pacific Rim
- 8:45 Jessi Halligan—Coastal Paleoindians in the Southeastern US? Envisioning Early People on the Now-Drowned Continental Shelves
- 9:00 Javier Fernandez-Lopez De Pablo and Elodie Brisset—Central Place Foraging Models and Early Holocene Coastal Adaptations in the Western Mediterranean
- 9:15 Genevieve Dewar and Brian Stewart—Foragers, Herders and Harvesters: Modeling Shifts in Late Holocene Subsistence Strategies on South Africa's West Coast
- 9:30 Colin Wren, Curtis Marean, Eric Shook, Kim Hill and Marco Janssen—What Makes a Forager Turn Coastal? An Agent-Based Approach to Coastal Foraging on the Dynamic South African Paleoscape
- 9:45 Questions and Answers
- 10:00 Douglas J. Kennett—Discussant
- 10:15 John Crock—Maritime to the Max: The Keys to Success for Small Island Populations in the Caribbean
- 10:30 Hector Neff—Holocene Human Adaptations on the Pacific Coast of Central America
- 10:45 Paulo DeBlasis and Maria Dulce Gaspar—The People of the Lagoon: Sambaquis and Ecological Management on the Southern Brazilian Coast
- 11:00 César Méndez and Amalia Nuevo Delaunay—Assessing Shellfish Discard for

- Discerning between Field Processing or Residential Relocation in the Subtropical Pacific Coast of South America
- 11:15 Diego Salazar and Carola Flores-Fernandez—Swordfish Hunting as Prestige Signaling within Middle Holocene Fishing Communities of the Atacama Desert Coast?
- 11:30 Manuel J. San Román, Flavia Morello Repetto, Victor Sierpe, María José Barrientos and Jimena Torres—From the Forest to the Steppe: Mobility Strategies of Late-Marine Hunters (Alacaluf) in the Strait of Magellan, Chile
- 11:45 Daniel H. Sandweiss—Discussant

[34] SYMPOSIUM ■ ZOOARCHAEOLOGY AND TECHNOLOGY: CASE STUDIES AND APPLICATIONS

(Sponsored by SAA Zooarchaeology Interest Group)

Room: 140 Aztec

Time: 8:00 AM–12:00 PM

Chairs: Justin Cramb and Isabelle Lulewicz

Participants:

- 8:00 Sarah Neusius, Tanya Peres, Bonnie Styles and Renee Walker—Data, Digital Databases, and Teaching Students Zooarchaeology in the 21st Century
- 8:15 Bonnie Styles, Mona Colburn and Sarah Neusius—Mapping Faunal Data to tDAR Ontologies to Address Data Comparability and Archaic Period Use of Animals in the Interior Eastern United States
- 8:30 Chong Yu—The Establishment of the First 3D Fish Bone Reference Collection in China
- 8:45 Roxanne Guildford—Beyond Counting Sheep: An Interdisciplinary Review of Faunal Assemblages in the British Pastoral Landscape
- 9:00 Isabelle Lulewicz, Victor Thompson, William Marquardt and Karen Walker—A Combined Bayesian and Zooarchaeological Approach to Understanding Local Histories of Socio-ecological Adaptation in Southwestern Florida, USA
- 9:15 Questions and Answers
- 9:30 Elizabeth Reitz, Sarah Platt, Carla Hadden, Laurie Reitsema and Martha Zierden—Isotopic Evidence for an Emerging Colonial Urban Economy: Charleston, South Carolina
- 9:45 Diane Wallman, Heidi Miller and Douglas Armstrong—Stable Isotope Analysis of Human and Animal Remains from Trent's Plantation, Barbados, 17th through 19th Centuries
- 10:00 Abigail Fisher—Ground-truthing Historic European Accounts of Great Plains Indian Dog Husbandry with Stable Isotopes
- 10:15 Meagan Dennison—Stable-Isotope Analysis and Dental Micro-Wear Texture Analysis of Domestic Dogs from the Tennessee River Valley
- 10:30 Questions and Answers
- 10:45 Michael Buckley—Technological and Methodological Developments in Approaches to Species Identification: Advancements in Zooarchaeology by Mass Spectrometry (ZooMS)
- 11:00 Jillian Swift, Samantha Brown, Patrick Kirch, Seth Quintus and Patrick Roberts—Potentials and Pitfalls for ZooMS Analysis in the Pacific: A Case Study from Ofu Island (Manu'a Group, American Samoa)
- 11:15 Sarah Oas and Christopher Schwartz—"A feast of meat, a day of sociability": Examining Patterns in Turkey Management in the Cibola Region, AD 1150-1400
- 11:30 Madonna Moss—What Ancient DNA Can Reveal about the Ubiquitous Fish of the Northwest Coast: Salmon, Herring, and Rockfish
- 11:45 Hannah Wellman, Rita Austin, Nihan Kilic, Madonna Moss and Courtney Hofman—Ancient Mitogenomes from Oregon Sea Otters (*Enhydra lutris*):

Genetic and Archaeological Contributions to the Historical Ecology of an Extirpated Population

[35] SYMPOSIUM ■ FIFTY YEARS OF FRETWELL AND LUCAS: ARCHAEOLOGICAL APPLICATIONS OF IDEAL DISTRIBUTION MODELS

Room: 22 San Juan

Time: 8:00 AM–12:00 PM

Chairs: Elic Weitzel and Brian Coddling

Participants:

- 8:00 Elic Weitzel, Brian Coddling, Stephen B. Carmody and David Zeanah—Crop Management and Domestication in Eastern North America Inspired Both Cooperative Niche Construction and Territorial Competition
- 8:15 Brian Coddling, Peter Yaworsky, Kenneth Vernon and Jerry Spangler—Socioecological Dynamics of Forager to Farmer Transitions in Southern Utah
- 8:30 Natalie Munro and Elic Weitzel—The Ideal Free Distribution, Population Packing, and the Forager to Producer Transition in the Southern Levant
- 8:45 David Harvey—Despotism in the Southern Sierra Nevada: Linking Habitat Distribution and Tubatulabal Territorial Behavior
- 9:00 D. Shane Miller and Stephen B. Carmody—Fire on the Mountain: Colonizing South Appalachia in the Early Holocene
- 9:15 James O'Connell and Jim Allen—Why So Low So Long? Constraints on Human Population Growth in Late Pleistocene Sahul
- 9:30 Robert J. DiNapoli, Scott Fitzpatrick, Christina Giovas, Matthew Napolitano and Jessica Stone—Revisiting the Ideal-Free Settlement of the Caribbean Islands
- 9:45 Jonathan Hanna and Christina Giovas—An Islandscape IFD: Predicting Archaeological Settlements from Grenada to St. Vincent, Eastern Caribbean
- 10:00 Kate Magargal—How Firewood Access Structures Settlement Patterns
- 10:15 Arni Einarsson—Old Fences and Archeology
- 10:30 Jennifer Farquhar—Human-Environment Interactions: The Role of Foragers in the Development of Mobile Pastoralism in Mongolia's Desert-Steppe
- 10:45 Loukas Barton—What More Can We Learn about Complex Prehistoric Phenomena from an Aged, Simple Model?
- 11:00 Daniel Plekhov and Evan Levine—Defining Suitability in Mixed Pastoral-Agricultural Societies: A Case Study from Bactria in Northern Afghanistan
- 11:15 Kenneth Vernon, Peter Yaworsky and Brian Coddling—Decomposing Habitat Suitability With Theory-Driven Machine-Learning
- 11:30 Christopher Jazwa, Kyle Jazwa and Stephen Collins-Elliott—Applications of the IFD and IDD to Complex Societies
- 11:45 Frank Bayham—Reflections on the Life, Career and Influence of Stephen D. Fretwell

[36] SYMPOSIUM ■ HOT ROCKS IN HOT PLACES: INVESTIGATING THE 10,000-YEAR RECORD OF PLANT BAKING ACROSS THE US-MEXICO BORDERLANDS

Room: 10 Anasazi

Time: 8:00 AM–12:00 PM

Chairs: Charles Koenig and Myles Miller

Participants:

- 8:00 Richard Walter—Late Paleoindian Earth Ovens in the Texas Big Bend
- 8:15 Richard McAuliffe, Stephen Black and Raymond Mauldin—Central Texas Plant Baking
- 8:30 Ken Lawrence, Charles Frederick, Charles Koenig, Arlo McKee and Jacob I. Sullivan—Looking under the Rocks: Geoarchaeological Investigations of Earth

- 8:45 Oven Facilities in Various Settings of the Lower Pecos, Texas
Kevin Hanselka, Leslie Bush and Philip Dering—Macrobotanical Perspectives on Earth Oven Use in the Lower Pecos Canyonlands, Texas
- 9:00 Charles Koenig, Stephen Black and Charles Frederick—Assessing Earth Oven Intensification in the Lower Pecos Canyonlands of Southwest Texas
- 9:15 Spencer Lodge—Fire on the Mountain: The Use of Earth Ovens for Agave and Pinyon Processing in the Sheep Range, NV
- 9:30 Eric Wohlgemuth, Daron Duke, Sarah Rice, James Kangas and Mark Slaughter—Hot Rock Cooking of Desert Lily and Winding Mariposa
- 9:45 Heidi Roberts—Cholla Bud Roasting in St. George, Utah during the Early Pueblo II Period
- 10:00 Peter Pilles—Roasting Pit Mounds of the Verde Valley, Central Arizona: New Implications for Yavapai/Apache Archaeology
- 10:15 Timothy Graves and Myles Miller—Labor, Settlement, and Social Dimensions of Earth Oven Use in Southern New Mexico and West Texas
- 10:30 Eric Cox and Douglas Craig—Traditions and Community: Hornos and Communal Feasting among the Hohokam
- 10:45 Paul Minnis and Michael Whalen—Power Cooking...Or Not
- 11:00 Holly Houghten—Agave Roasting Pits of the Mescalero Apache
- 11:15 Richard Stark—Agave Bloom Stalk Ovens in the Southern Chihuahuan Desert
- 11:30 Alston Thoms—Discussant
- 11:45 Paul Fish—Discussant

[37] SYMPOSIUM ■ ADVANCES IN THE ARCHAEOLOGY OF THE BAHAMA ARCHIPELAGO

Room: 110 Galisteo

Time: 8:00 AM–12:00 PM

Chair: Mary Jane Berman

Participants:

- 8:00 Dawn Beamer, Lisa Park Boush, Mary Jane Berman, Perry Gnivecki and Amy Myrbo—Climate and Culture in the Caribbean and Western Atlantic Regions
- 8:15 Christophe Snoeck, Rick Schulting, Michael Pateman, William Keegan and Joanna Ostapkowicz—Coming to the Islands: Strontium and Oxygen Isotope Investigation of Human Mobility in the Bahamian Archipelago
- 8:30 Michael Pateman and William Keegan—Lucayan Burials in the Bahama Archipelago
- 8:45 Rick Schulting, Joanna Ostapkowicz, Michael Pateman, William Keegan and Fiona Brock—Bones of the Lucayans: Radiocarbon dating of human remains from the Bahamian Archipelago
- 9:00 William Schaffer and Robert Carr—Sensorial and Transformative Qualities of Caves among the Lucayan-Taíno of the Bahamas
- 9:15 Mary Jane Berman, Ieva Juska and Perry Gnivecki—Variability in Molluscan Assemblages: Indicators of Changing Cultural and Environmental Factors in Lucayan Life
- 9:30 Andy Ciofalo and Corinne L. Hofman—Culinary Contributions: What's Cooking on Griddles in the Northern Caribbean
- 9:45 William Keegan and Michael Pateman—Archaic Age Bahamas? New perspectives from Long Island
- 10:00 Michelle LeFebvre, Lee Newsom, Rachel Woodcock, Andy Ciofalo and Michael Pateman—"Site" (LN-101), Long Island, Bahamas: Beads, Baking, and Burials, but Brief Occupations?
- 10:15 Matt O'Mansky, Thomas Delvaux, David Parker and Ronald Madeline—The Continuing Archaeological Investigations on the Northeast Coast of San Salvador Island, Bahamas

- 10:30 Joanna Ostapkowicz—Lucayan Stone Celts: A Preliminary Overview of Style and Typology
- 10:45 John Pouncett, Emma Slayton, Gareth Davies, Antonio García Casco and Joanna Ostapkowicz—SIBA: Stone Interchanges within the Bahama Archipelago
- 11:00 Pete Sinelli—You Come from Where? Ceramics and Cultural Exchange at Palmetto Junction
- 11:15 Shaun Sullivan—The Salt Road at MC-6, a Public Work Empowering the Cacique
- 11:30 Peter E. Siegel—Discussant
- 11:45 Grace Turner—Discussant

[38] SYMPOSIUM ■ THE LEGACIES OF THE BASIN OF MEXICO: THE ECOLOGICAL PROCESSES IN THE EVOLUTION OF A CIVILIZATION, PART 1

Room: 270 Ballroom C

Time: 8:00 AM–12:00 PM

Chair: Carlos Cordova

Participants:

- 8:00 Deborah Nichols—The Evolution of a Revolution: “The Basin of Mexico: Ecological Processes in the Evolution of a Civilization”
- 8:15 Silvia Gonzalez, Samuel Rennie and David Huddart—Paleoindians from the Basin of Mexico: How Do They Fit in the Early Peopling of the Americas?
- 8:30 Elizabeth Solleiro-Rebolledo, Georgina Ibarra and Sergey Sedov—The Role of Pedogenesis in Palaeosols of Mexico Basin and Its Implication in the Paleoenvironmental Reconstruction
- 8:45 Carlos Cordova—Long and Short-term Lacustrine and Fluvialacustrine Dynamics in Relation to Prehistoric Settlements: The Case of Lake Texcoco
- 9:00 Isabel Rodríguez López and Aleksander Borejsza—From Tlacolol to Metepantle: A Reappraisal of the Antiquity of the Agricultural Niches of the Central Mexican Symbiotic Region
- 9:15 Mari Carmen Serra Puche—“The Basin of Mexico: Ecological Processes in the Evolution of a Civilization” y nuestras excavaciones en el Sur de la Cuenca de Mexico
- 9:30 Dan Healan—Interaction between the Basin of Mexico and West Mexico in the Prehispanic Era
- 9:45 Charles Kolb—In the Beginning: TVP and TMP—Reflections on the Classic Teotihuacan Period Survey in the Teotihuacan Valley, 1962-1964
- 10:00 Sarah Clayton and Michelle Elliott—Urban Growth and Land Use at Chicoloapan, an Epiclassic Town in the Southern Basin of Mexico
- 10:15 Guillermo Acosta-Ochoa, Emily McClung de Tapia, Laura Beramendi-Orosco, Diana Martínez-Yrizar and Galia Gonzalez-Hernandez—Prehispanic Chinampas at El Japón, Xochimilco: Structure and Chronology
- 10:30 Kristin De Lucia—Household Lake Exploitation and Aquatic Lifeways in Pre-Aztec Central Mexico
- 10:45 John K. Millhauser—Slow Violence and Environmental Inequality in the Valley of Mexico
- 11:00 Larry Gorenflo—Twentieth Century Settlement Patterns in the Basin of Mexico: In Search of Pre-Colombian Roots for Regional Demography and Land Use
- 11:15 Patricia Fournier and Cynthia Otis Charlton—Basin Enterprise: The Next Generations
- 11:30 Jeffrey Parsons—Discussant
- 11:45 Emily McClung de Tapia—Discussant

[39] SYMPOSIUM ■ FROM MATERIALS TO MATERIALITY: ANALYSIS AND INTERPRETATION OF ARCHAEOLOGICAL AND HISTORICAL ARTIFACTS USING NON-DESTRUCTIVE AND MICRO/NANO-SAMPLING SCIENTIFIC METHODS

Room: 27 Picuris

Time: 8:00 AM –12:00 PM

Chairs: Gerardo Gutiérrez and Emily Kaplan

Participants:

- 8:00 Mariana Sanders, Erik Jurado and Gerardo Gutiérrez—Judging a Vessel by Its Surface: Investigating Production Process in Corinthian Ceramics through Use of Multiple Non-invasive Instruments
- 8:15 Blanca Maldonado, Patricia Castro and Peter Tropper—Experimental Investigation of Primary Copper Smelting in Central Michoacan
- 8:30 Monica Katz—Local Color: The Visual Analysis of a South American Colonial Lacquered Gourd from the Collection of the Hispanic Society Museum & Library
- 8:45 Stephanie Hornbeck and Emily Kaplan—The Field Museum's Colonial Period Polychrome Tiana: A Conservation Study of Materials and Techniques
- 9:00 Julie Fuqua and Glenn Gates—Influence and Exchange: A Technical Study of Colonial Period Ivories from the Philippines
- 9:15 Gerardo Gutiérrez, James Millette, Mariana Sanders and Mary E. Pye—The Authentication of the Codex Maya of Mexico, Previously Known as the Grolier, through Scientific Analysis
- 9:30 Emily Kaplan and Leah Bright—The Technical Study of Two 16th Century Mexican Pictographic Documents in the NMAI Collection
- 9:45 Erik Jurado, Mariana Sanders, Gerardo Gutiérrez and Israel Hinojosa-Balino—Pigment Composition and Color Structure and Usage in the Lienzos De Chiepetlan, Guerrero, Mexico: A Non-destructive Analysis
- 10:00 Peter Eeckhout and Kusi Colonna-Preti—Archaeometric Analysis of Mural Paintings at Pachacamac, Peru
- 10:15 Heather Hurst—Chemical Indices as a Key to Context: The Use of pXRF to Reassemble Maya Mural Fragments from San Bartolo, Guatemala
- 10:30 Alejandro Valdes Herrera and José Luis Punzo Díaz—Characterization Using Raman Spectroscopy of Amazonite and Turquoise of Tomb II, Tingambato, Michoacán, México
- 10:45 Reyna Solis and Emiliano Melgar—Archaeometric Characterization of the Lapidary Objects from Teopanacazco and Xalla, Teotihuacan
- 11:00 Laura Filloy, María Olvido Moreno Guzmán, José Luis Ruvalcaba Sil, Edgar Casanova and Cynthia Arellano—Microscopic and Spectrometric Techniques Applied to Identify Luxury Materials in a Fifteenth-Century Aztec Shield
- 11:15 Elena Phipps, Lucy Commoner and Nobuko Shibayama—Viscacha or Rabbit, Peru or Mexico: Fiber Identification and Cultural Clarification in the Investigation of a 16th C. Colonial Latin American Textile
- 11:30 Megan O'Neil, Nawa Sugiyama, Gilberto Pérez Roldán, Laura Maccarelli and Yosi Pozeilov—Tools Fit for a Queen: Interdisciplinary Study of a Set of Ancient Maya Weaving Implements
- 11:45 Davide Domenici—Discussant

[40] FORUM ■ WOMEN AND GRANT-GETTING: STRATEGIES FOR WRITING NSF GRANTS
(Sponsored by SAA Committee on the Status of Women in Archaeology)

Room: 65 Hopi

Time: 10:00 AM–12:00 PM

Moderator: Barbara Roth

Participants:

Patricia Crown—Discussant
 Gilliane Monnier—Discussant
 Deborah Nichols—Discussant
 Karen Schollmeyer—Discussant
 Sissel Schroeder—Discussant
 Lauren Ristvet—Discussant

[41] GENERAL SESSION ■ APPLYING ETHNOGRAPHY AND ETHNOHISTORY TO IMPROVE ARCHAEOLOGICAL UNDERSTANDING, PART II**Room:** 130 Cimarron**Time:** 10:00 AM–12:00 PM**Chair:** Matthew Rooney**Participants:**

- 10:00 Jonathan Roldan, Makayla Whitney and Taylor Picard—Language as a Cultural Resource: A Case Study with the Tolowa and Hupa Languages
 10:15 Paul Reed—Pueblo of Acoma Ethnographic Study of the Greater Chaco Landscape
 10:30 Christina Bisulca, Marilen Pool and Nancy Odegaard—Indigenous Use of Mesquite Exudates in Arizona
 10:45 Matthew Rooney—Chickasaws and Presbyterians: What Did It Mean To Be Civilized?
 11:00 Kong Cheong—The Pickett's Mill Farmstead: An Archaeology of the Inarticulate Whites
 11:15 Grant McCall and Russell Greaves—The Ethnogeology of Sedimentation and Land Formation in the Lower Mississippi Delta of Plaquemines Parish, Louisiana
 11:30 Niklas Schulze and Luis Barba —Pyrotechnology in the Ethnohistoric and Archaeological Record of Prehispanic Mexico
 11:45 Erik Stanley—Indigenous Interpretations of the Past

[42] GENERAL SESSION ■ EASTERN EUROPEAN ARCHAEOLOGY**Room:** 21 Jemez**Time:** 10:15 AM–12:00 PM**Chair:** Danielle Riebe**Participants:**

- 10:15 Gligor Dakovic, Bonnie A.B. Blackwell, Bojana Mihailovic, Senka Plavsic and Justin K. Qi—ESR Dating Herbivore Teeth within the Mousterian Layers at Šalitrema Pećina, Serbia
 10:30 Danielle Riebe—Timing the Difference: New Radiocarbon Dates for Late Neolithic Sites across the Great Hungarian Plain
 10:45 William Ridge—I Would Walk 500 Miles: Survey of Copper Age Settlements in Eastern Hungary
 11:00 Nicholas Triozzi—Rethinking Prehistoric Hillforts in the Eastern Adriatic from a Human Behavioral Ecology Perspective
 11:15 Michael Galaty, Haxhi Mehmetaj, Sylvia Deskaj and Erina Baci—Regional Archaeology in the Peja and Istog Districts of Kosova (RAPID-Kosova): Results of the 2018 Field Season
 11:30 Erina Baci—Analysis of Settlement Patterns in Albania from the Iron Age through Greek and Roman Colonization and Integration (1100 BCE–395 CE)
 11:45 Elizabeth Bews—Cooperation, Co-funding, and Confusion: EU Funding for Bulgarian Archaeology

[43] GENERAL SESSION ■ ROCK ART RESEARCH AROUND THE WORLD**Room:** 70 Tewa**Time:** 10:15 AM–12:00 PM**Chair:** Abdullah Alsharekh**Participants:**

- 10:15 Chester Liwosz—Percussive Petroglyphs in the Digital Age: A Mojave Desert Case Study of Virtual Heritage Management for Rock Art Iconography and Phenomenology
- 10:30 Kim Cox and Whitney Cox—Rock Art, Cyclical Time, and Native American Religion: How Mesoamerican Concepts of Death and Rebirth Permeate the Rock Art of the American Southwest
- 10:45 Janine Hernbrode—Are the Tohono O'odham Descendent from the Hohokam and Their Predecessors? A Rock Art Test of Occupation Continuity in Southern Arizona
- 11:00 Gordon Ambrosino—The Rock Art of the Fortaleza Ignimbrite: 4,200 Years of Landscape Inscription in the North-Central Andes
- 11:15 Nathalie Brusgaard—Rock Art, Animals, and Desert Landscapes: A Case Study from the Black Desert of Jordan
- 11:30 Abdullah Alsharekh—Anthropomorphic Figures in Arabian Rock Art
- 11:45 Marissa Molinar—Seeing Is Believing: The Documentation of Rock Art

[44] GENERAL SESSION ■ ANCESTRAL PUEBLO ARCHAEOLOGY**Room:** 32 Tesuque**Time:** 10:15 AM–12:00 PM**Chair:** Kenneth Tankersley**Participants:**

- 10:15 Kenneth Tankersley—Stable Carbon Isotope Enrichment of Archaeological Soil Organic Matter from *Zea mays*
- 10:30 Connie Constan—Ceramic Resource Selection and Social Violence in the Gallina Area of the American Southwest
- 10:45 Patricia Lambert—Reinterpreting the Evidence for Violence in Cave 7, Grand Gulch, Utah
- 11:00 Erik Simpson—Making and Breaking Boundaries in the American Southwest
- 11:15 Joaquin Montoya, Warren Lail and Victoria Evans—Recent Research at El Pueblo, NM
- 11:30 Leon Natker and Ramson Lomatewama —Katsinam, Clouds, and Kivas: Evidence for the Origins of the Katsina Culture
- 11:45 Lynda McNeil and David Shaul —Itamu umumi yooya' ökiwni ('We will arrive as rain to you'): Evidence of Historical Relationships among Western Basketmaker, Fremont, and Hopi People

[45] POSTER SESSION ■ GEOARCHAEOLOGY IN THE NEW WORLD**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 45-a Tyler Donaldson, William Monaghan and Timothy Schilling—Taphonomy and Chronology of Mounds A and B at the Quapaw Village of Osotouy (Menard-Hodges Site; 3AR4)
- 45-b Richard Niquette—Site Formation Processes at the Spring Valley Site (23CT389), Ozark National Scenic Riverways, Southeast Missouri
- 45-c Sarah Meinekat, Christopher Miller, Emily Milton and Kurt Rademaker—Quebrada Jaguay-280 (QJ-280) under the Microscope: A Geoarchaeological

- Investigation of the Site Formation and Anthropogenic Features at a Peruvian Coastal Site
- 45-d Sara Cullen—Identifying Archaeological Dacite and Andesite Sources in Southeastern Colorado
- 45-e Jesse Nowak—Testing the (Disappearing) Waters: A Preliminary Assessment of the Sedimentary Record of Lake Jackson, Florida
- 45-f Gosia Mahoney, Paul Hanson and Dawn Bringelson—Understanding Archaeology in the Dunes: OSL Dating of the Tolleston Beach at Indiana Dunes National Lakeshore and Its Implications for Interpreting the Archaeological Record

[46] POSTER SESSION ■ CULTURAL LANDSCAPES, FROM PAST TO PRESENT**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 46-a Thomas Blaber—'77 to '17: Re-investigating the Perimeter of St. Catherines Island after Four Decades
- 46-b Tucker Deady—Ancestral Puebloan Settlement Patterns of Redwood Llama Ranch: Analysis of GIS and Fieldwalking Survey
- 46-c Hsi-Wen Chen—Spatial Analysis in Pre-Columbian Nicaragua
- 46-d Lucas Kellett, Alcides Berrocal Gonzales, Patricia Allcca Osorio, Jacob Legere and Jhoan Romero Escobar—Long-Term Puna Landscape Use in the Chanka Heartland of Andahuaylas, Southern Peru
- 46-e Lynn Kim—The Materialization of an Inka Colonial Landscape: Exploring the Road Network in the Camata-Carijana Valley
- 46-f MaryAnne Maigret, Lori Miculka and Erin Coward—Stewarding Cultural Landscapes: Managing an Eroding Coastal Site at Pu'uhonua o Honaunau National Historical Park
- 46-g Diego Bitencourt Mañas, Bruno Trípode Bartaquini, Rui Sérgio Sereni Murrieta, Marcia Maria Arcuri Suñer and Ignacio Alva Meneses—Thinking about Ecotopes: Two Thousand Years of Landscape's Continuities and Discontinuities in the North Coast of the Central Andes
- 46-h Scott Dersam—Dynamic Cultural Landscapes: Testing an Alpine Archaeological Probability Model for Efficacy in the Northern Absaroka-Beartooth Wilderness of Wyoming and Montana
- 46-i Lisa Nagaoka, Steve Wolverton and Patrick Elliott—Landscape Ecology, GIS and Faunal Abundances in Ancestral Puebloan Sites in the San Juan River Basin
- 46-j Nicholas Ames—American Spaces, Irish Places: Assessing Three Urban Communities in 19th Century Irish-America
- 46-k Jessica Horn and Dianna Doucette —Walking the Line: Settlement Patterning in Interior Southern New England as Identified by Utility Corridor Survey
- 46-l Robyn Johnson—Landscape and Elements: A Comparison of Four Rock Art Sites in the Bennett Hills, Idaho

[47] POSTER SESSION ■ UNDERSTANDING PAST CLIMATE AND ENVIRONMENTAL CHANGE**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 47-a Christopher Nicholson—Changes to the Western Eurasian Hominin Climate Niche
- 47-b Tia Cody and Shelby Anderson —Eroding Chances: Planning for the Impacts of

- 47-c Climate Change on Vulnerable Coastal Sites in the Arctic
Arthur Wold—Environmental Reconstruction Using Molluscan Faunal Remains at Woodpecker Cave
- 47-d Nichelle Lyle and Kenneth Tankersley—Vertebrate Response to Little Ice Age Climate Change in the Ohio River Valley
- 47-e Lauren Henry, Sarah Ledogar and Jordan Karsten—Using Avifaunal Trends to Evaluate Environmental Shifts on the Eurasian Forest-Steppe with the Expansion of Agropastoralism
- 47-f Patrick Lubinski, Virginia L. Butler, Deanna Grimstead, Dennis Jenkins and Dongya Yang—Using Fish Remains from Paisley Caves, Oregon to Explore Hunter-Gatherer Lifeways and Lake Level History in the Chewaucan Basin over the Past 14,000+ Calendar Years
- 47-g Ashley Vance—The Sacred Shells Speak: Sclerochronology and Oxygen Stable Isotopes in *S. crassisquama* (princeps)
- 47-h Carley Quirin, Rhonda Quinn, Jason Lewis, Kathryn Ranhorn and Christian Tryon—Mammalian Enamel Stable Isotopic ($\delta^{13}C$, $\delta^{18}O$) Evidence for Environmental Change during the MSA-LSA Transition at the Kisese II Rockshelter, Tanzania
- 47-i Brett Parbus—Determining the Impact of Major Storm Events on Ancient Peoples of Coastal Florida
- 47-j Grant Snitker and Sean Bergin—Did the Neolithic Revolution Revolutionize the European Landscape? An Analysis of the Relationship between Climate, Vegetation, and the Arrival of Agro-pastoral Subsistence
- 47-k Megan Jones—Climate and Migration: Using Radiocarbon Date Frequencies to Identify Population Movement in the Bighorn Basin of Wyoming
- 47-l Leslie Reeder-Myers, Ashley Sharpe, Whitney Goodwin and Wilmer Elvir—Shell Midden Zooarchaeology and Paleoecology of Guaimoreto Lagoon, Northeast Honduras
- 47-m Roxanne Lebenzon, Elic Weitzel, Isaac A. Hart and Brian Coddling—Climatic Controls on Prehistoric Utah Populations
- 47-n Edwin Hajic, Andrew Martin and Paul Bundy—Honing an Integrated Approach to Geoarchaeological Research in Alluvial Environments of the Lower Ohio River Valley
- 47-o Ani St. Amand—Contributions from the Archaeological Record: Climate Proxies and El Niño-Southern Oscillation

[48] POSTER SESSION ■ CURRENT RESEARCH IN ENVIRONMENTAL ARCHAEOLOGY**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 48-a Igor Chechushkov—Gone with the Wind: The Modelling of the Wind Conditions of the Prehistoric and Historic Communities around the World
- 48-b Rachel Egan—When the Volcano Erupts: Lessons from the Archaeological Record on Human Adaptation to Catastrophic Environments
- 48-c Gillian Wong, Dorothee Drucker, Britt Starkovich and Nicholas Conard—The Environmental Context of the Magdalenian in the Lone Valley of Southwest Germany
- 48-d Kit Hamley, Jacquelyn Gill, Kathryn Krasinski and Daniel H. Sandweiss—Fire and Foxes: Investigations into a Pre-historic Human Presence in the Falkland Islands
- 48-e Joshua Keene, Michael Waters and Thomas W. Stafford Jr. —Archaeological, Paleoenvironmental, and Geoarchaeological Investigations of Hall's Cave, Texas
- 48-f Matthew Veres, Suzanne Pilaar Birch, Jack Williams, Eric Grimm and Russ

- Graham—Using the Neotoma Paleoecology Database for Specimen Level Stable Isotope Data
 48-g Santos Cenicerós-Rodríguez, Paul Collins, Amira Ainis and Rene Vellanoweth—Barn Owl (*Tyto alba*) Pellets as Environmental Proxies

[49] POSTER SESSION ■ GEOARCHAEOLOGY**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Chair:** Edward Herrmann**Participants:**

- 49-a Rachel Cajigas—Early Agricultural Practices at La Playa, Sonora, Mexico
 49-b Caitlin Rankin—A Concealed Landscape: Historic Processes of Landscape Change at Cahokia Mounds, IL
 49-c Yi-Ling Lin and Yuling He—Paleopollution and Environmental Consequences of Bronze Craft Production during the Shang Periods in Anyang, China
 49-d Edward Herrmann and Mackenzie Cory—Assessing Continuity and Change in Paleoindian Landscape Use through Time in Indiana: Implications for Site Predictive Modeling
 49-e Kevin P. Gilmore, Donald G. Sullivan and Maria Caffrey—Paleoenvironment, Population, and the Origins of Resource Intensification on the Eastern Edge of the Colorado Plateau
 49-f Alice R. Kelley, Bonnie Newsom, Arthur Spiess, Anne Spezia and Kate Pontbriand—Maine Midden Minder Network: Collaborating to Save a Cultural Resource

[50] SYMPOSIUM ■ SMALL THINGS UNFORGOTTEN**Room:** 120 Dona Ana**Time:** 10:45 AM–12:00 PM**Chair:** Brooke Creager**Participants:**

- 10:45 Jesús Francisco Torres-Martínez and Manuel Fernandez-Gotz—Small Finds and Scattered Ashes: “Invisible” Burials in Iron Age Northern Iberia
 11:00 Jody Joy—A Miniature Brooch and Gaming Pieces: The Story of the Smaller Objects from the Late Iron Age Elite Burials of Southern England
 11:15 Brooke Creager—The Key to It All: Anglo-Saxon Female Identity
 11:30 Rachel Cartwright—Playing at Death: A Discussion of Hnefatafl Pieces in Viking Burials
 11:45 Pam Crabtree—Discussant

[51] GENERAL SESSION ■ CLOVIS: NEW RESEARCH, NEW DEBATES**Room:** 60 Chaco**Time:** 10:45 AM–12:00 PM**Chair:** Heather Smith**Participants:**

- 10:45 Michael Faught—Some Thoughts on “Clovis”: Where Were They From, Where Did They Go, Where Do They Fit in the Peopling of the Western Hemisphere
 11:00 David Thulman and Brendan Fenerty —Clovis Points Were Likely Knives: An Evaluation of the Evidence
 11:15 James Norris and Metin Eren—Early- and Middle-Stage Fluted Stone Tool Bases: Further Evidence they are not Diagnostic of Clovis
 11:30 Hannah Robinson—Clovis Technology on the Southern Colorado Plateau: An

- 11:45 Analysis of the Glen Quarry Locality
Heather Smith and Brendon Asher—Variability in Clovis Biface Morphology from the Type-site, Blackwater Draw Locality 1

[52] GENERAL SESSION ■ ARCHAEOLOGY OF ANCIENT EGYPT

Room: 210 Tijeras

Time: 10:45 AM–12:00 PM

Chair: Danielle Phelps

Participants:

- 10:45 Danielle Phelps—The Spatial Distribution of Late Eighteenth Dynasty Tombs in the Valley of the Kings, Egypt
- 11:00 Michael Tritsch—The Monumentalization of Ma'at in the Tomb of Amenemhet: The Role of Text and Image in a System Approach to the Interpretation of Middle Kingdom Tombs
- 11:15 Anne Sherfield—Dig Until You Find Blood: A Spatial Investigation of Menstrual Seclusion Practice at Deir el-Medina
- 11:30 Caroline Arbuckle MacLeod—The Value of Children in Ancient Egypt
- 11:45 Pawel Polkowski—Rock Art Research in Dakhleh Oasis, Egypt: Content, Methods, and Interpretations

[53] GENERAL SESSION ■ HISTORICAL ARCHAEOLOGY IN SOUTH AMERICA

Room: 17 Apache

Time: 11:00 AM–12:00 PM

Chair: Patricia Chirinos Ogata

Participants:

- 11:00 William Billeck and Meredith Luze—A Mid-16th to Mid-20th Century Glass Bead Sequence for South America
- 11:15 Maria Fernanda Boza Cuadros—Mirages of the State: Maritime Landscapes of Southern Peru at the Beginning of the Republic, 1821-1879
- 11:30 Patricia Chirinos Ogata—Labor and the Japanese Diaspora: The Archaeology of Issei Workers in Peru's Coastal Haciendas
- 11:45 Daniel Schavelzon—The Nazi Hideout of South America: Studies on the Teyu Cuare 1945 Neighborhoods

[54] GENERAL SESSION ■ MIDDLE HORIZON ARCHAEOLOGY IN THE ANDES

Room: 19 Isleta

Time: 11:00 AM–12:00 PM

Chair: Kayeleigh Sharp

Participants:

- 11:00 Michael Malpass—Archaeological Identifiers of Cultural Affiliation: The Case of the Middle Horizon(?) Site of Sonay, Peru
- 11:15 Kayeleigh Sharp—Gallinazo Networks: Economic Complementarity and the Persistence of Gallinazo-Mochica Social Interrelationships
- 11:30 Andrea Vazquez De Arthur—Wari Bats? An Iconographic Analysis of Some Very Curious Zoomorphic Figures on Middle Horizon Andean Pottery
- 11:45 Brian Billman, Patrick Mullins and Nicole Payntar—Big Data, Big Challenges: The Preliminary Results of the Moche Valley Ancient Settlement Survey (MVASS) on the North Coast of Peru

[55] GENERAL SESSION ■ BIOARCHAEOLOGY: SOUTH AMERICAN CASE STUDIES

Room: 20 Laguna

Time: 11:15 AM–12:00 PM

Chair: Richard Sutter

Participants:

- 11:15 Richard Sutter, Gabriel Prieto, Celeste Gagnon and Jordi Rivera Prince—
Horizontality Revisited: Evidence for 3,000 Years of Prehistoric Biocultural
Continuity of Fisherfolk at Huanchaco, North Coast of Peru
- 11:30 Danielle Pinder, Francisco Gallardo, Gloria Cabello, Christina Torres-Rouff and
William J. Pestle—An Isotopic Study of Dietary Diversity in Formative Period
Ancachi, Atacama Desert, Northern Chile
- 11:45 Eden Washburn, Bebel Ibarra, Vicky Oelze and Lars Fehren-Schmitz—
Strontium Isotopes and Human Migration at the Archaeological Site of
Marcajirca, Peru

Thursday Afternoon ■ April 11, 2019

[56A] THE ETHICS BOWL
Room: 110 Galisteo
Time: 1:00 PM - 3:00 PM

[56] SYMPOSIUM ■ THE LEGACIES OF THE BASIN OF MEXICO: THE ECOLOGICAL PROCESSES IN THE EVOLUTION OF A CIVILIZATION, PART 2
Room: 270 Ballroom C
Time: 1:00 PM–2:45 PM
Chairs: Christopher Morehart and Charles Frederick

Participants:

- 1:00 Destiny Crider—Advances in the Study Archaeological Ceramics of the Epiclassic-Early Postclassic Basin of Mexico
- 1:15 Joaquín Arroyo-Cabrales, Eduardo Corona-Martínez and Felisa J. Aguilar-Arellano—Late Pleistocene-Early Holocene Archaeozoology and Paleontology at the Basin of Mexico: A Reappraisal 40 Years after Early Views
- 1:30 Abigail Meza-Peñaloza and Federico Zertuche—Comparison by Non-Metric Traits of Xaltocan's Shrine vs. Teotihuacan in Mexico by Using a Non-metric Multidimensional Scaling Method
- 1:45 Philip Arnold and Wesley Stoner—Taking It to the Tuxtlas: How the BoM Survey Shaped Gulf Lowland Settlements
- 2:00 Christopher Morehart, Angela Huster, Dean Blumenfeld, Rudolf Cesaretti and Megan Parker—Between Two Empires: Conflict and Community during the Epiclassic Period in the Northern Basin of Mexico
- 2:15 Charles Frederick—What Lies between the Dots: Exploring the Archaeology of the Broader Basin of Mexico Landscape
- 2:30 Deborah Nichols—Discussant

[57] GENERAL SESSION ■ ZOOARCHAEOLOGY IN THE AMERICAS
Room: 21 Jemez
Time: 1:00 PM–2:45 PM
Chair: Kathryn Krasinski

Participants:

- 1:00 Katrina Yezzi-Woodley, Jeff Calder, Peter Olver, Martha Tappen and Reed Coil—Improving Zooarchaeological Methods for Classifying Fragmented Faunal Remains Using Differential Geometric Methods and Machine Learning
- 1:15 Kathryn Krasinski, Laura Rojas, Alexander Bautista, Charles Holmes and Barbara Crass—Diachronic Patterns in Subsistence at Swan Point, Tanana Valley, Alaska
- 1:30 Hope Loïselle—Hunted or Scavenged?: Investigating Acquisition of Dolphins and Porpoises at the Par-Tee Site Using Zooarchaeology and Ancient DNA Identifications
- 1:45 Robert Nash—Settlement-Subsistence Strategies and Economic Stress among the Sevier Desert Fremont
- 2:00 Spencer Lambert—Examining Large Game Animal Trade at Two Fremont Sites in Utah
- 2:15 Susan Ryan, Shaw Badenhorst and Jonathan Driver—Faunal Remains and Social Organization at Albert Porter Pueblo, a Great House Community in the Northern Southwest

2:30 Laura Ellyson—Inequality among Ancestral Pueblo Households and Its Impact on Animal Subsistence

[58] ELECTRONIC SYMPOSIUM ■ ADVANCING PUBLIC PERCEPTIONS OF SUSTAINABILITY THROUGH ARCHAEOLOGY

Room: 230 Pecos

Time: 1:00 PM–3:00 PM

Chair: Chelsea Fisher

Participants:

Anna Antoniou and Earl Davis—On Using Archaeology within an Indigenous Rights-Based Approach to Sustainability

Arlen Chase, Diane Chase and Adrian Chase—Ancient Maya Sustainability at Caracol, Belize: Implications for Past and Future

Carole Crumley—Taking Research into Action

Lana Dorr, Jada Langston, Sophia Coren, Horia Ciugudean and Colin Quinn—Archaeology as Activism: Cultural Heritage, Identity, and Sustainability in Transylvanian Mining Communities

Chelsea Fisher—Celebrity Chefs and the Long View of Sustainable Agriculture in Yaxunah, Yucatán

Christopher T. Fisher—Climate Change, Sustainability, and the Ancient City of Angamuco, Michoacán, Mexico

Anabel Ford and Cynthia Ellis Topsey—Sustainability of the Model Milpa Cycle: Connecting from Master Maya Forest Gardeners to the Ancient Maya Settlement Patterns

Veronica Perez Rodriguez—Sustainable Urbanism in the Mixteca Alta: Was There Ever Such a Thing?

Eric Proebsting—Exploring Sustainability and the Realities of Plantation Agriculture at Thomas Jefferson's Poplar Forest

Cynthia Robin—Aventura: Understanding Sustainable Cities

Vernon Scarborough—Archaeology as Our Urban Futures

Joseph Tainter—Sustainability in Society and Archaeology

Mario Zimmermann and Gabriel Ortiz A la triste—Feasts for the People, Crumbs for the Bird: Communicating Archaeological Data on Ancient Crop Diversity

[59] FORUM ■ BUILDING FOUNDATIONS FOR SUSTAINED COMMUNITY ARCHAEOLOGY

Room: 210 Tijeras

Time: 1:00 PM–3:00 PM

Moderators: Keitlyn Alcantara and Lacey Carpenter

Participants:

Anna Browne Ribeiro—Discussant

Lisa Overholtzer—Discussant

Sarah Rowe—Discussant

Anna Guengerich—Discussant

Davina Two Bears—Discussant

Christopher Hernandez—Discussant

Liam Murphy—Discussant

Alex Badillo—Discussant

[60] FORUM ■ ETHICS AND HISTORIC CEMETERIES: THOUGHTS AND ACTIONS

Room: 60 Chaco

Time: 1:00 PM–3:00 PM

Moderators: Shannon Freire and Catherine Jones

Participants:

Michael Blakey—Discussant
 Craig T. Goralski—Discussant
 Christine Halling—Discussant
 Nicholas Laluk—Discussant
 Dru McGill—Discussant
 Kimberlee Moran—Discussant
 Patricia Richards—Discussant
 Ryan Seidemann—Discussant
 Rachel Watkins—Discussant

- [61] FORUM ■ AGENCIES AND ACADEMIA: A HOW-TO GUIDE TO SUSTAINABLE PARTNERSHIPS**
Room: 70 Tewa
Time: 1:00 PM–3:00 PM
Moderator: Angela Jaillet-Wentling

Participants:

Joe Baker—Discussant
 Ira Beckerman—Discussant
 William Chadwick—Discussant
 Zaakiyah Cua—Discussant
 Jessica Higley—Discussant
 Douglas MacDonald—Discussant
 Bernard Means—Discussant

- [62] FORUM ■ ANCIENT HERITAGE, LIVING CONNECTIONS, TRIBAL AND HISPANIC PARTNERSHIPS IN ARCHAEOLOGY AND EDUCATION**
Room: 27 Picuris
Time: 1:00 PM–3:00 PM
Moderators: Julie Coleman and T. J. Ferguson

Participants:

Michael Spears—Discussant
 Angie Krall—Discussant
 Sheila Goff—Discussant
 Maren Hopkins—Discussant
 Octavius Seowtewa—Discussant
 Damian Garcia—Discussant
 Joseph Toledo—Discussant
 Paul Pino—Discussant
 Joseph Aguilar—Discussant
 Shawn Kelley—Discussant
 Cassandra Atencio—Discussant
 Sean O'Meara—Discussant

- [63] SYMPOSIUM ■ ANCIENT MAYA LANDSCAPES IN NORTHWESTERN BELIZE, PART II**
Room: 235 Mesilla
Time: 1:00 PM–3:00 PM
Chairs: Samantha Krause and Angelina Locker

Participants:

1:00 Samantha Krause, Timothy Beach, Sheryl Luzzadder-Beach and Thomas

Thursday Afternoon, April 11, 2019

- Guderjan—Reconstructing a Maya Agricultural Wetland on the Rio Bravo Floodplain, Northwestern Belize
- 1:15 Kevin Austin, Benjamin Baaske and Robert Warden—Re-excavating Xno'ha: Aligning Maya Architecture across Seven Years of Archaeological Research
- 1:30 Colin Doyle, Timothy Beach, Sheryl Luzzadder-Beach and Jedidiah Dale—Multiproxy and LiDAR Evidence for Intensive Maya Wetland Agriculture along the Rio Bravo River
- 1:45 Sheryl Luzzadder-Beach, Timothy Beach, Colin Doyle and Greta Wells—Three Rivers Watersheds: Regional Water Resources of Northwestern Belize and Beyond
- 2:00 Angelina Locker, Fred Valdez, Jr., Staci L. Loewy, Jay L. Banner and Daniel O. Breecker—Papa Was a Rolling Stone: Migration Stories from the Three Rivers Region, NW Belize
- 2:15 Robert Warden and Benjamin Baaske—Towards a Museum Quality Artifact: 3D Documentation of Maya Artifacts from Blue Creek, Nojol Nah, Tz'unun, and Xno'ha in Belize
- 2:30 Tomás Gallareta Cervera, Anna Novotny and Brett A. Houk—The Role of Burials in Place Making at Chan Chich, a Royal Court in Northwestern Belize
- 2:45 Thomas Guderjan—Discussant

[64] GENERAL SESSION ■ EARLY HORIZON ARCHAEOLOGY IN THE ANDES**Room:** 32 Tesuque**Time:** 1:00 PM–3:00 PM**Chair:** Andrew Lesh**Participants:**

- 1:00 Andrew Lesh—New Methods for Duct Exploration and Gallery Discovery at Chavín de Huántar
- 1:15 Michelle Young and Sadie Weber —Rethinking Ecological Verticality for the Initial Period: A Case from South-Central Peru
- 1:30 Yumi Huntington and John Warner—Monumental Structure, Sacred Landscape, and Cosmology: The Late Formative Period Peruvian Site of Jequetepeque-Jatanca
- 1:45 John Staller—An Endemic Maize (*Zea mays* L.) Landrace on the Copacabana Peninsula, Bolivia
- 2:00 Benjamin Vining and Seth Price —Marginality and Opportunity in the Deserts of Chicama, Peru: Perspectives from Integrated Archaeology, Remote Sensing, and Paleoclimatic Analysis
- 2:15 Seth Price and Benjamin Vining—An Agent-Based Disaster Model: Marginality, Decision-Making, and Novel Resource Exploitation during ENSO Flooding Events in Chicama, Peru
- 2:30 Richard Burger and Lucy Salazar —Discovery at Cardal, Peru of an Initial Period Polychrome Frieze of the Manchay Culture
- 2:45 Estefanía Vidal-Montero—From Mud to Brick, or the Transformative Possibilities of Assembling Architecture

[65] GENERAL SESSION ■ ARCHAEOLOGICAL METHOD AND THEORY IN PRACTICE, PART I**Room:** 220 Ruidoso**Time:** 1:00 PM–3:00 PM**Chair:** Kenneth Aitchison**Participants:**

- 1:00 Matthew Chamberlin—Symbolic Conflict and Mobility in Village Formation
- 1:15 Petr Kvetina and Vaclav Hrcir —Identification of Post-Marital Residence

Thursday Afternoon, April 11, 2019

- Patterns in Prehistory: A Case from the European Neolithic
 1:30 Kurt Wilson and Brian Coddling —The Marginal Utility of Inequality
 1:45 Ulla Jaekel—The Intention of Actions—A Cross-Cultural Study on Ancient Backfilling Processes
 2:00 Roberto Herrera—Making the Invisible Visible or How Culture History Can Have An Impact
 2:15 Rebecca Younger and Kenneth Brophy—Authentically Inauthentic and Real Fakes: An Archaeology of Contemporary Stonehenge Replicas
 2:30 Kenneth Aitchison and Doug Rocks-Macqueen—Intelligence and Predictive Analytics
 2:45 Teresa Ingalls and Danny Gregory —Is Digital Always Better? Metrics for Evaluating and Understanding Digital Methods

[66] GENERAL SESSION ■ ARCHAEOLOGY OF THE ARCHAIC PERIOD IN NORTH AMERICA, PART I**Room:** 140 Aztec**Time:** 1:00 PM–3:00 PM**Chair:** Lauren Walton**Participants:**

- 1:00 Darci Clayton—Tools of the Trade: An Analysis of Lithic Biface Variability in South Central Ontario
 1:15 Lauren Walton, Brandon McIntosh, Dusty Pilkington and David Harder—Cobbling Together the Story of the Sinlahekin Valley: Prehistoric Land-Use Patterns in North Central Washington State
 1:30 Amy S. Commendador and Bruce Finney —Small Mammal Isotopes as Proxies for Climate over the Holocene Period on the Eastern Snake River Plain, Idaho
 1:45 Emily Helmer—Placemaking in Southwestern Oregon
 2:00 Christopher Thompson—Refining the Projectile Point Chronology of Western Pennsylvania during the Transitional Period
 2:15 David Thomas—A Shoshonean Prayerstone Hypothesis: Ritual Cartography of Great Basin Incised Stones
 2:30 Joshua Nowakowski—Analysis of Obsidian Procurement from the Wurlitzer Site, Butte County, California
 2:45 Stephanie Franklin—Home Is Where the Plants Are: Spatial Analysis of Land Use during the Archaic Occupation of Coronado National Memorial

[67] GENERAL SESSION ■ NEW DIRECTIONS IN EXPERIMENTAL ARCHAEOLOGY, PART I**Room:** 130 Cimarron**Time:** 1:00 PM–3:00 PM**Chair:** Jeanne Binning**Participants:**

- 1:00 Metin Eren and The Eren Lab Graduate Students —On the Practical Use of Knives Manufactured from Human Feces and Saliva: An Experiment
 1:15 Jeanne Binning—Identifying Pressure Flakes Generated during the Reduction of Small Bifaces: The Results of a Blind Test
 1:30 Leanna Maguire, Briggs Buchanan and Metin Eren—The Role of Isometric Scaling on Stone Projectile Point Durability: An Experimental Assessment
 1:45 Ashley Rutkoski—Under Fire: An Experimental Examination of Heat on Lithic Microwear Evidence
 2:00 Sarah Skinner—A Geometric Morphometric Analysis of Projectile Point Maintenance using Experimental Resharpener Techniques: An Examination of PFP1 Curation, Cooper's Ferry Site, Idaho

Thursday Afternoon, April 11, 2019

- 2:15 Charles Speer—Simulating Organic Projectile Point Damage on Bison Pelves
 2:30 Alyssa Perrone and Metin Eren—How Much Force Does It Take to Break a Flaked Stone Tool?
 2:45 Michael Wilson and Metin Eren —Modern versus Prehistoric Hafting Mediums: Are They Comparable?

[68] SYMPOSIUM ■ TLAXCALLAN: MESOAMERICA'S BIZARRO WORLD**Room:** 20 Laguna**Time:** 1:00 PM–3:15 PM**Chair:** Ricardo Antorcha Pedemonte**Participants:**

- 1:00 Diana Rodas, Aurelio López Corral, Ramón Santacruz and Nora A. Pérez Castellano—Estudios Químicos sobre la Cal de Tlaxcallan del Posclásico Tardío (1250-1519 d.C.)
 1:15 Iziar Martínez Rojo, Serafín Sánchez Pérez and Lane Fargher—El papel del suelo en la conformación del contexto arqueológico en el área de El Fuerte en la antigua Tlaxcallan
 1:30 Ricardo Antorcha Pedemonte and Lane Fargher—Enriched Spatial Syntax Analysis of Two Late Postclassic Terraces in Tlaxcallan, Mexico
 1:45 Thania Ibarra, Lane Fargher and Aurelio López Corral—Thread Production in Ocotelulco, Tlaxcallan, Mexico
 2:00 Nezahualcoyotl Xiuhtecutli and Aurelio López Corral—Not Only of Obsidian: The Chert Assemblage in Late Postclassic Tlaxcallan
 2:15 Angelica Costa, Lane Fargher and Aurelio López Corral—Embodying Collective Identity: Analysis of Late Postclassic Facial Ornamentation Practices in Tlaxcallan, Mexico
 2:30 Marc Marino, Lane Fargher, Nathan Meissner and John K. Millhauser—The Organization of Prismatic Blade Production at Late Postclassic Tlaxcallan, Central Mexico
 2:45 Verenice Y. Heredia Espinoza—Discussant
 3:00 Richard Blanton—Discussant

[69] SYMPOSIUM ■ ARCHAEOLOGIES OF HEALTH, WELLNESS, AND ABILITY**Room:** 65 Hopi**Time:** 1:00 PM–3:30 PM**Chairs:** Stacey Camp and Sarah Surface-Evans**Participants:**

- 1:00 Alanna Warner-Smith—Commingled Stories, Embodied Inequalities: An Historical Bioarchaeology of the Huntington Irish
 1:15 Linnea Kuglitsch—"Flowers [and] Open-Air Exercises": An Archaeology of Patient, Cure, and the Natural World at the American Lunatic Asylum
 1:30 Sarah Surface-Evans—The Entanglement of Health, Race, and Resistance at the Mount Pleasant Indian Industrial Boarding School
 1:45 Alyssa Scott—Archeology, Disability, Healthcare, and the Weimar Joint Sanatorium for Tuberculosis
 2:00 Stacey Camp—Healthcare and Citizenship in the Context of World War II Japanese American Internment
 2:15 Laura Heath-Stout—The Invisibly Disabled Archaeologist
 2:30 Kimberly Wooten—The Archaeology of the Color Pink
 2:45 Katie Roquemore, Nikki Waters, David Gilliam and Robert Belden—Intellectual Disability, Employment, and the Public Record
 3:00 Abigail Diaz—The Case for Radical Inclusivity in Museums

3:15 Laurie Wilkie—Discussant

[70] SYMPOSIUM ■ COMPLEX FISHER-HUNTER-GATHERERS OF NORTH AMERICA

Room: 25 Navajo

Time: 1:00 PM–3:45 PM

Chair: Christina Sampson

Participants:

- 1:00 William Marquardt—Are the Calusa Unique? Environmental Stewardship and Historical Contingency in the Pacific Northwest and Southwest Florida
- 1:15 Scott Sunell and Christopher Jazwa—The Development of Sociopolitical Complexity among Chumash Hunter-Gatherer-Fishers on California's Northern Channel Islands
- 1:30 Christina Sampson—Trade, Tradition, and Rivalry: Late Pre-Columbian Craft and Exchange on the Central Peninsular Gulf Coast of Florida
- 1:45 Chris Springer and Dana Lepofsky—Conflict and Territoriality: An Archaeological Study of Ancestral Northern Coast Salish-Tla'amin Defensiveness in the Salish Sea Region of Southwestern British Columbia
- 2:00 Thomas Pluckhahn, Victor Thompson, Isabelle Lulewicz, Trevor Duke and Matthew Compton—Selfish for Shellfish, or Magnanimous about Mollusks? The Transformation of Cooperation across the First Millennium CE at Crystal River and Roberts Island, Florida, USA
- 2:15 Nathan Goodale, Anna Prentiss and Alissa Nauman—Bayesian Models for the Occupational History of Complex Hunter-Gatherer-Fisher Communities in the Interior Pacific Northwest
- 2:30 Matthew Sanger, Mark Hill, Gregory Lattanzi and Brian Padgett—Networks of Exchange in the Late Archaic Southeast: Copper and Crematory Practices
- 2:45 Jennifer Perry and Mikael Fauvelle—Inter-Island Material Conveyance and Exchange on California's Channel Islands
- 3:00 Ginessa Mahar and Kenneth Sassaman—Stop Seeing Like a State: Relational Complexity among Small-Scale Societies of Gulf Coastal Florida (Who Routinely Gathered in Large Numbers)
- 3:15 Colin Grier—Discussant
- 3:30 Questions and Answers

[71] SYMPOSIUM ■ LA PRÁCTICA ARQUEOLÓGICA EN MÉXICO EN TIEMPOS DE CRISIS: ESCENARIOS, PROBLEMÁTICAS CLAVES, ACTORES, ACCIONES Y PROPUESTAS

Room: 15 Zuni

Time: 1:00 PM–3:45 PM

Chairs: Maria De Guadalupe Zetina-Gutierrez, Lilia Lizama Aranda and Luis Pantoja

Participants:

- 1:00 Pedro Sanchez—Discussant
- 1:15 José Alvarez Estrada, Lilia Lizama Aranda, Maria De Guadalupe Zetina-Gutierrez and Miguel Covarrubias—Uso de Dispositivos Open Hardware en Proyectos Arqueológicos en México
- 1:30 Geiser Martín Medina, José Trinidad Escalante Kuk and Luis Daniel Domínguez Aguilar—El entorno sociocultural en los parques arqueológicos de Mérida, Yucatán, México
- 1:45 Esteban De Vicente Chab and José Trinidad Escalante Kuk—La gestión del patrimonio arqueológico desde el modelo municipal de Mérida, Yucatán: Análisis y perspectivas
- 2:00 Katherine Ort and Lilia Lizama Aranda—Un caso de estudio sustentable en

Thursday Afternoon, April 11, 2019

- Puerto Morelos: Recursos arqueológicos y naturales en tierras bajas mayas del norte La Riviera Maya
- 2:15 Laureano Gonzalez and Lilia Lizama Aranda—El Modelo Portuario de México como modelo de Administración Arqueológica en México
- 2:30 Lilia Lizama Aranda, Israel Herrera, Mariza Carrillo, Cecilia Medina and Dalia Paz—El esfuerzo multidisciplinario de Arqueólogos Sin Fronteras del Mundo Maya Propuesta de un Plan para el Desarrollo de la Arqueología
- 2:45 Luis Pantoja, Maria De Guadalupe Zetina-Gutierrez and Ernesto Becerril Miró—Arqueología Preventiva en México: experiencias, alcances, limitaciones y propuestas
- 3:00 Maria De Guadalupe Zetina-Gutierrez, Pedro F. Sánchez Nava, Luis Barba and Ignacio Orozco Ortíz—Contribuyendo a la Viabilidad y a la Calidad en la Práctica Arqueológica desde la Sociedad sin Fronteras del Patrimonio Cultural A.C.
- 3:15 Luis Barba—La Red de Ciencias Aplicadas a la Investigación y Conservación del Patrimonio Cultural (CAICPC-CONACYT)
- 3:30 Pedro Sanchez and Maribel Piña Calva—La arqueología en México: una fotografía actual

[72] SYMPOSIUM ■ ARCHAEOLOGICAL SCIENCE OUTSIDE THE IVORY TOWER: PERSPECTIVES FROM CRM

(Sponsored by The Society for Archaeological Sciences)

Room: 17 Apache

Time: 1:00 PM–3:45 PM

Chairs: Andrew Zipkin and David Leslie

Participants:

- 1:00 Andrew Zipkin—Discussant
- 1:15 Mary Ownby—Ceramic Petrography as a Service for CRM Firms and Beyond
- 1:30 Jana Morehouse—The Science in Small Business: A Small Business's Process and Problems with Archeological Science Techniques
- 1:45 Ryan Peterson, Alex Badillo, Joshua Meyers and Jeremy Wilson—The Bethel Cemetery Relocation Project: Academic Collaboration, Archaeological Science, and CRM
- 2:00 Joseph Schuldenrein—What Next? The Pivotal Role of Archaeological Science in Heritage Management
- 2:15 Mandy Ranslow and David Leslie—Not Your Average Shovel Test Pit Survey: Archaeology at the WALK Bridge, Norwalk, CT
- 2:30 Kevin McBride—The Utility of Metal Detector Surveys in CRM
- 2:45 Nathan Scholl—Tuners Falls Gorge Geoarchaeological Investigations: Modeling Landscape and Archaeological Developments within the Connecticut River Valley.
- 3:00 Ora Elquist—Old Site, New Data: Challenges and Success in the Re-Analysis of the North Shore Site, Providence Covelands Archaeological District
- 3:15 Peter Leach, David Givens and Richard Boisvert—The Current State and Future Possibilities of Ground-Penetrating Radar in Cultural Resource Management
- 3:30 David Leslie—Discussant

[73] SYMPOSIUM ■ DATING IROQUOIA: ADVANCING RADIOCARBON CHRONOLOGIES IN NORTHEASTERN NORTH AMERICA

Room: 19 Isleta

Time: 1:00 PM–3:45 PM

Chairs: Megan Conger and Samantha Sanft

Participants:

- 1:00 Sturt Manning—Radiocarbon and Historical Archaeology in Iroquoia: Bringing Near-Calendar Dating Precision to Iroquoian Chronology with Radiocarbon – Methods, Issues and Potential
- 1:15 Jennifer Birch—Major Implications of the Dating Iroquoia Project: Rethinking Coalescence, Conflict, and Early European Influences in the Lower Great Lakes Region
- 1:30 Megan Conger—Telling Localized Indigenous Histories of Trade through AMS Dating and Bayesian Chronological Modeling in Southern Ontario, Canada
- 1:45 Samantha Sanft—Timing the Circulation of Nonlocal Materials in Seneca- and Onondaga-Region Sites
- 2:00 Timothy Abel, Jessica Vavrsek and John Hart—Radiocarbon Dating the Iroquoian Occupation of Northern New York
- 2:15 Roland Tremblay and Christian Gates-St-Pierre—Struggling with Radiocarbon Dates at the Dawson Site in Downtown Montréal
- 2:30 Ronald Williamson and Peter Ramsden—Time, Space and Ceramic Attributes: The Ontario Iroquoian Case
- 2:45 James Conolly and Daniel Smith—An Updated Radiocarbon Chronology of the Middle to Late Woodland Transition in Southern Ontario: Regional Variation in the Dynamics of Cultural Change
- 3:00 Questions and Answers
- 3:15 Gary Warrick—Discussant
- 3:30 Kurt Jordan—Discussant

**[74] SYMPOSIUM ■ CURRENT ISSUES IN JAPANESE ARCHAEOLOGY (2019
 ARCHAEOLOGICAL RESEARCH IN ASIA SYMPOSIUM)**

(Sponsored by Archaeological Research in Asia [Elsevier])

Room: 22 San Juan

Time: 1:00 PM–4:00 PM

Chair: Junko Habu

Participants:

- 1:00 Junko Habu—Long-Term Perspectives on the Resilience of Food and Socioeconomic Systems in Prehistoric Japan: Examples from the Early and Middle Jomon Periods
- 1:15 Fumiko Ikawa-Smith—Changing Perspectives for the Palaeolithic Research of the Japanese Archipelago
- 1:30 Simon Kaner—Stories from the Riverside: Metastability in the Shinano-Chikuma River System, Central Japan
- 1:45 Liliana Janik—New Approaches to Jomon Dogu: Case Studies from Eastern and Western Japan
- 2:00 Gary Crawford and John Whitman—New Research Directions in the Archaeology and Linguistic History of the Hokkaido Ainu
- 2:15 Kaishi Yamagiwa and Hiroto Takamiya—Transition from Hunting-Gathering to Agriculture in Amami and Okinawa Archipelagos, Japan
- 2:30 Scott Lyons—Historical Ecology and Archaeometallurgy on the 5th and 6th century Osaka Plain
- 2:45 Kazuaki Yoshimura—A Study of the Armor Production System in the Middle Kofun Period
- 3:00 Carl Gellert—From the Earthly to the Celestial: Material Culture and Funerary Practice at Fujinoki Kofun
- 3:15 Marjorie Burge—The Study of Excavated Documents in Japan
- 3:30 Koji Mizoguchi—Collapse, or Drastic Socio-cultural Transformation?: Some Cases from Japanese Prehistory

3:45 Questions and Answers

[75] SYMPOSIUM ■ CREATIVE MITIGATION MEASURES FOR THE SECTION 106 AND NEPA PROCESS

(Sponsored by Arizona National Guard)

Room: 23 Nambé

Time: 1:00 PM–4:00 PM

Chair: Shelby Manney

Participants:

- 1:00 Shelby Manney and John Douglass—An Overview of Historic Preservation and Cultural Resource Law and Practice: Moving Beyond the Limitations of the Regulatory Environment
- 1:15 Lynne Sebastian—What Makes Some Mitigation Measures and Programs “Creative”? (And Where Does That Leave the Rest of Them?)
- 1:30 Christopher Koepfel and Doug Stephens —Creative Mitigation and Collaborative Outcomes in Section 106 Planning
- 1:45 Teresa Gregory and Shelby Manney—Digital Curation Laws and Practice: Creative Measures for a Big Problem
- 2:00 Questions and Answers
- 2:15 Lance Wollwage and Allyson Brooks—Beyond Data Recovery: Developing Mitigation for the Public Benefit in Washington State
- 2:30 Kurt E. Dongoske—Making Mitigation Meaningful to Descendant Communities: Examples from the Pueblo of Zuni
- 2:45 Signa Larralde, Sarah Schlanger and Martin Stein—Exporting Oil and Gas Landscape-Level Mitigation Programs
- 3:00 Valerie McCormack and Kary Stackelbeck—Creative Mitigation to Counter Resource Losses from the Lake Cumberland Drawdown, Kentucky.
- 3:15 Amanda Wallander, Paul Woodruff and Erwin Roemer—Mitigating Cumulative Impacts to Historic Resources at Wright-Patterson Air Force Base
- 3:30 Rebecca Tsosie—Discussant
- 3:45 Terry Klein—Discussant

[76] SYMPOSIUM ■ TEXTILE TOOLS AND TECHNOLOGIES AS EVIDENCE FOR THE FIBER ARTS IN PRECOLUMBIAN SOCIETIES

(Sponsored by SAA Perishable Fibers Interest Group)

Room: 29 Sandia

Time: 1:00 PM–4:15 PM

Chairs: Gabrielle Vail and Billie Follensbee

Participants:

- 1:00 Loa Traxler—Discussant
- 1:15 Sarah Teel, Leslie Dunaway and Billie Follensbee—A Little Bird Told Me: Use-Wear Analysis and Replication Studies as a Means to Identify the Function of Birdstones
- 1:30 Maureen Meyers—Shells, Drills, and Lithic Tools: Indirect Evidence of Textile Production at a Mississippian Frontier
- 1:45 Erin Gearty, Laurie Webster, Chuck LaRue and Louie Garcia—Weaving and Spinning Technologies from the Northern Southwest: Recent Research by the Cedar Mesa Perishables Project
- 2:00 Paul Fish and Suzanne Fish—Following the Fiber: Agave Tools from Cropping to Crafting
- 2:15 Billie Follensbee—A New Gauge: More on Formative Period Textiles and Technologies

- 2:30 Barbara Stark—Social and Geographic Associations of Cotton-Sized Spindle Whorls in South-Central Veracruz, Mexico
- 2:45 María Eugenia Maldonado Vite and Kim Richter—Textile Tools and Technologies from the Postclassic Huasteca: Artistic and Archaeological Evidence
- 3:00 Traci Ardren—Bark Beaters and Cloth Production in the Classic Maya Area
- 3:15 Camila Alday—Fabrics of the South American Desert Coast: The Study of the Marine Hunter-Gatherer's Plant Fiber Technology in the Atacama Desert
- 3:30 Ann Peters—Tools Present and Tools Absent in Textile-Intensive Mortuary Contexts: The Paracas Case
- 3:45 Jeffrey Splitstoser and Gabrielle Vail—To Spin and Whorl: Functional and Symbolic Associations of Chancay Weaving Tools
- 4:00 Cheryl Claassen—Discussant

[77] SYMPOSIUM ■ ARCHAEOLOGICAL VISION IN THE AGE OF BIG DATA

Room: 28 Santo Domingo

Time: 1:00 PM–4:15 PM

Chairs: Nathaniel VanValkenburgh and Andrew Dufton

Participants:

- 1:00 Jeremy Huggett—Is Digital Data Different?
- 1:15 Michael Palace, Meghan Howey and Franklin Sullivan—Geospatial “Big Data” in Archaeology and the Enduring Challenge of Anthropological Significance
- 1:30 Jesse Casana—Resurrecting Lost Landscapes: Global-Scale Archaeological Prospection Using Cold War-Era CORONA Satellite Imagery
- 1:45 Neha Gupta, Susan Blair and Ramona Nicholas—What We See, What We Don't See: Spatial Data Quality in Large Digital Archaeological Collections
- 2:00 Steven Wernke—Seeing Like a Neural Network? Possibilities and Predicaments of Automated Virtual Archaeological Prospection
- 2:15 Rachel Opitz—Not Going There: Seeing, Depicting and Interpreting Archaeological Topography through Digital Media
- 2:30 Nathaniel VanValkenburgh—Here's Looking at You: the Ethics and Politics of UAV-based vs. Satellite-based Archaeological Survey in the Andes
- 2:45 Nichole Sheldrick—Big Data, Heritage Management, and the EAMENA Project
- 3:00 Robert DeMuth, Joshua J. Wells, Kelsey Noack Meyers, Eric Kansa and Stephen Yerka—Examining Archaeology, Society, and the Promise of Integrating 'Big' Data from Archaeological and Non-archaeological Sources
- 3:15 Allison Mickel—The Proximity of Communities to the Expanse of Big Data
- 3:30 Morag Kersel—Big Data and Diplomacy: Aerial Images and U.S. Department of State Cultural Property Bilateral Agreements
- 3:45 Mark McCoy—Discussant
- 4:00 Questions and Answers

[78] SYMPOSIUM ■ FROM TANGIBLE THINGS TO INTANGIBLE IDEAS: THE CONTEXT OF PAN-EURASIAN EXCHANGE OF CROPS AND OBJECTS

Room: 16 Acoma

Time: 1:00 PM–4:30 PM

Chairs: Xinyi Liu and Rui Wen

Participants:

- 1:00 Xinyi Liu—From Tangible Things to Intangible Ideas: The Context of Trans-Regional Movements of Artifacts, Cereal Crops and Animals
- 1:15 Rui Wen—The Interaction of Aesthetics and Technology between East and West, from the Perspective of Glass Beads from Xinjiang, China

Thursday Afternoon, April 11, 2019

- 1:30 Yiheng Xian—Identification of Turquoises from Different Mining Areas using Lead and Strontium Isotope Composition
- 1:45 Chun Yu and Ya Wei Dong—Casting Experiment for a Small-Sized Bronze Statue of Buddha Dating to the Tang Dynasty
- 2:00 Bo Gao, Xiangyu Zhang and Chenggang Duan—A New Discovery of a Tang Dynasty Cemetery in the Eastern Suburb of Xi'an
- 2:15 Xue Ling, Zhouyong Sun and Liang Chen—Strontium Isotopes in Human Teeth as Indicators of Migration in the Warring States Period Sites of Zhaitouhe and Shijiahe
- 2:30 Rachel Reid and Xinyi Liu—Crops, Gender, and Food Choices: Investigating the Formation of Chinese Staple Cuisines via Stable Isotope Analysis
- 2:45 Duo Tian, Jian Ma, Tongyuan Xi, Meng Ren and Xinyi Liu—Diversity and Unity: Different Crop Consumption in East Tianshan Mountains, Northwest China
- 3:00 Liya Tang, Xiage Wangdui, Yu Chun and Zhaxi Ciren—New Discovery of Plant Remains in The West of Tibet
- 3:15 Zhengwei Zhang—Hunting vs. Herding: The Eastern and Central Tibetan Plateau's Earliest Inhabitants
- 3:30 Zhen Qin—Pluvial and Fluvial: Investigating the Environmental Resistance and Driving Force of Wheat Cropping in the Central Plain of China
- 3:45 Ximena Lemoine—Pig Management in Neolithic North China: Foddering and Social Change in the Western Liao River Valley
- 4:00 Li Liu—Discussant
- 4:15 Questions and Answers

[79] SYMPOSIUM ■ DECIPHERMENT, DIGS, AND DISCOURSE: HONORING STEPHEN HOUSTON'S CONTRIBUTIONS TO MAYA ARCHAEOLOGY

Room: 275 Ballroom B

Time: 1:00 PM–4:30 PM

Chairs: Thomas Garrison and Andrew Scherer

Participants:

- 1:00 Thomas Garrison and Andrew Scherer—Stephen Houston's Impact on Maya Archaeology: Celebrating His Completion of 3 K'atuns
- 1:15 Charles Golden and Takeshi Inomata—Making Sense and Divining Senses: Maya Royal Courts and Communities
- 1:30 Edwin Roman-Ramirez—The Moral Community of Pa'ka'n during the Classic Period
- 1:45 David Webster—Demographic Scale of an Early Classic Maya Regional Conflict
- 2:00 Timothy Beach, Sheryl Luzzadder-Beach and Nicholas Dunning—Ancient Maya Water Control, Wetlands, and the Fiery Pool
- 2:15 James Doyle—Stephen D. Houston's Bloody, Courty, Fiery, and Luxurious Contributions to Exhibitions of Maya Art
- 2:30 Patricia McAnany—Contributions of a Three-K'atun Archaeologist to Theorizing the Classic Maya Past
- 2:45 Sarah Newman—Beheading Bugs and Spearing Stags: Depictions of Animal Sacrifice in Mesoamerica
- 3:00 Andrew Scherer—The Death Within: Bone as Material among the Maya
- 3:15 Mary Miller—Bonampak Will Never Be Finished: Some Remarks in Honor of Steve Houston
- 3:30 Karl Taube—The Olmec "Double-Merlon" Motif and the Origins of Color Directional Symbolism in Formative Mesoamerica
- 3:45 David Stuart—Proper Names and the Development of Early Writing Systems
- 4:00 Simon Martin—Discussant
- 4:15 Questions and Answers

[80] SYMPOSIUM ■ NEW AND ONGOING RESEARCH ON THE NORTH AMERICAN PLAINS AND ROCKY MOUNTAINS

Room: 31 Santa Ana

Time: 1:00 PM–4:30 PM

Chairs: Amanda Burt and Brandi Bethke

Participants:

- 1:00 Bonnie Pitblado—24 Years Down & 24 to Go: Lessons Learned and New Research Directions for the Gunnison Basin (CO)-based Rocky Mountain Paleoindian Research Program
- 1:15 Jack Hofman and Lawrence Todd—Paleoindian Activity in the Washakie Wilderness, Absaroka Range, Wyoming
- 1:30 Cody Newton and Spencer Pelton—Plains and Mountain Settlement Systems Change During the Earliest Holocene at the Sisters Hill Paleoindian Site (48JO314)
- 1:45 Kirsten Hawley, Laura Scheiber and Amanda Burtt—Visualizing Mountain Shoshone Occupations in the Washakie Wilderness of Northwestern Wyoming
- 2:00 Rachel Reckin and Lawrence Todd—Illuminating High Elevation Seasonal Occupational Duration in the Greater Yellowstone Ecosystem Using Patterning in Lithic Raw Materials and Tool Types
- 2:15 William Reitze and Maria Zedeno—A Preliminary Assessment of Prehistoric-Contact Period Blackfoot Camp Demographics
- 2:30 Brandi Bethke—Zooarchaeological Investigations at the Boarding School Site (24GL0302), Glacier County, MT
- 2:45 Amanda Burt and Larisa R.G. DeSantis—Unlikely Allies: Modern Wolves and the Diets of Pre-contact Domestic Dogs
- 3:00 Rachael Shimek—A Dearth of Dogs? The Archaeological Record of Canids in Wyoming
- 3:15 Katherine Burnett—Exploring Cultural Identity at the Nostrum Springs Stage Station in Northwestern Wyoming
- 3:30 Mary Adair—Context and Age of Early Maize (*Zea mays*) in the Central Plains
- 3:45 Steven Keehner—Beyond the Borders of Archaeological Taxonomy: A Ceramic Case Study from the Central Plains
- 4:00 Faith Wilfong and Matthew E. Hill—Missing Metapodials: New Analysis of the Protohistoric Period Fauna from the Scott County Pueblo Site in Western Kansas
- 4:15 Delaney Cooley—Athapaskans on the Plains: A Glimpse of Dismal River Lithic Technology

[81] SYMPOSIUM ■ JOURNEYING TO THE SOUTH, FROM MIMBRES (NEW MEXICO) TO MALPASO (ZACATECAS) AND BEYOND: PAPERS IN HONOR OF BEN A. NELSON

Room: 280 Ballroom A

Time: 1:00 PM–4:30 PM

Chairs: Nora Rodríguez Zariñán, Andrea Torvinen and Loni Kantor

Participants:

- 1:00 Juan Ignacio Macias Quintero—Contacts before "Contact": Comments about the Interaction between Nomads and Sedentary Societies in Northern Mexico Desert Highlands
- 1:15 Brooke Hundtoft, Christopher Schwartz, Adrian Chase and Ben Nelson—Uncovering a Globalized Past with the Connections Project: Highlighting Challenges Associated with Exploring Long-Distance Interaction between the Southwest US and Mexico

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- 1:30 Lindsay Shepard, Will Russell, Christopher Schwartz and Robert Weiner—The Social Use and Value of Blue-Green Stone Mosaics at Sites within Canal System 2, Phoenix Basin, Hohokam Regional System
- 1:45 Will Russell and Sarah Klassen—Then and Now: Conservative and Progressive Politics at the Mimbres Site of Swarts
- 2:00 E. Christian Wells, Claire Novotny and Anna Novotny—Violence and Veneration at the Edges: Mortuary Traditions and Social Order along the Northern and Southern Frontiers of Mesoamerica
- 2:15 Andrew Somerville—Reconstructing Past Environmental Landscapes in the Semi-arid Regions of North America Using Stable Isotope Analysis of Faunal Bones
- 2:30 Andrea Torvinen—Social Identification and Collective Action at La Quemada, Zacatecas, Mexico (500-900 CE)
- 2:45 Nora Rodríguez Zariñán, Christopher Schwartz and Ben Nelson—Canids in the Faunal and Iconographic Record at La Quemada: An Analysis from the Perspective of Huichol Ethnography
- 3:00 Loni Kantor—Landscape Meaning and Materiality among the Indigenous Wixárika (Huichol) People of Jalisco, Mexico
- 3:15 Paula Turkon, Sturt Manning, Carol Griggs, Andrea Torvinen and Ben Nelson—The Contribution of Tree-Ring Studies to Archaeological Research in Northwestern Mesoamerica
- 3:30 Michelle Elliott and Grégory Pereira—Exploring the Role of Fire in Tarascan Ritual Contexts of the Zacapu Basin, Michoacan, Mexico
- 3:45 Sofía Pacheco-Forés—Contextualizing Ritual Violence: Kinship, Ethnicity, and Human Sacrifice in Epiclassic Central Mexico
- 4:00 Nawa Sugiyama, Tanya Catignani, Ariel Taxis and Saburo Sugiyama—Urban Palimpsest Landscapes: Interpreting the Teotihuacan LiDAR map
- 4:15 Ben Nelson—Discussant

[82] SYMPOSIUM ■ AFRICAN ARCHAEOLOGY THROUGHOUT THE HOLOCENE*(Sponsored by The Society of Africanist Archaeologists)***Room:** 240 La Cienega**Time:** 1:00 PM–4:45 PM**Chairs:** Peter Coutros and Kefilwe Rammutloa**Participants:**

- 1:00 Peter Coutros and Brooke Luokkala—Bone Tool Technology in West Africa: Contributions from the Diallowali Site System, Senegal
- 1:15 Carla Klehm, Mark Helper and Elisabeth Hildebrand—From Minerology to Monuments: Place-Making through Personal Ornamentation in Mid-Holocene Turkana, Kenya
- 1:30 Aaron Ellrich—Cobbling Material Memory: Kings, Gods, and Shrines in an Old Kingdom with Active Roots – Kanazi Palace, NW Tanzania
- 1:45 Lorraine Hu, Fiona Marshall, Henry Saitabau, Angela Kabiru and Stanley Ambrose—Of Fire and Stone: Cremation and Secondary Burial Practices at Noomparrua Nkosesia, a Pastoral Neolithic Site in Southwest Kenya
- 2:00 Peter Mitchell—Settling Madagascar: When Did People First Colonize the World's Largest Island?
- 2:15 Dave Schmitt, Karen Lupo, Jean-Paul Ndanga, D. Craig Young and Christopher Kiahtipes—The Early Iron Age and “Hiatus” Occupations: Archaeological and Chronometric Data on Holocene Human Settlement in the Northern Congo Basin, Southern Central African Republic
- 2:30 Steven Goldstein, Natalie Mueller, Elizabeth Sawchuk, Emmanuel Ndiema and Christine Ogola—Iron Age Agriculture at the Multi-Component Site of Kakapel

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- Rockshelter, Western Kenya
- 2:45 Mica Jones and Steven Brandt—Delayed-Return Hunter-Gatherers in the Horn of Africa? Faunal and Radiometric Data from the Guli Waabayo Rock Shelter in Southern Somalia
- 3:00 Anneke Janzen, Mary Prendergast and Katherine Grillo—Early Herding Practices in Tanzania Revealed through Strontium Isotope Analysis
- 3:15 Ana Gomes, Mussa Raja, Célia Gonçalves, Nuno Bicho and Jonathan Haws—Quaternary Paleoenvironmental Changes in the Inhambane Bay (Southeastern Mozambique)
- 3:30 Thomas Fenn—The Appearance, Use, and Production of Glass in Ancient Sub-Saharan West Africa
- 3:45 Kefilwe Rammutloa—Trade and Exchange in the Greater Mapungubwe Landscape
- 4:00 David Kay—"The Land is now OK": Three Centuries of Marakwet Settlement on the Elgeyo Escarpment, Northwest Kenya
- 4:15 Tomos Evans—Archaeology and the End of Empire in Nigeria: Learning from the History of Late Colonial Archaeology at Ile-Ife
- 4:30 Questions and Answers

[83] SYMPOSIUM ■ ARCHAEOLOGIES OF IMMIGRATION AND REFUGEE RESETTLEMENT**Room:** 10 Anasazi**Time:** 1:00 PM–4:45 PM**Chairs:** Erin Riggs and Randall McGuire**Participants:**

- 1:00 Randall McGuire—What Can Archaeology Tell Us about Refugees and Forced Immigration?
- 1:15 April Kamp-Whittaker—Communal Spaces and Ideas of Belonging in a WWII Japanese Incarceration Center
- 1:30 Cameron Gokee and Jason De Leon—Backpack Biographies: Re-scaling Undocumented Migration in the US-Mexico Borderlands
- 1:45 Erin Riggs—Refugees as a Productive Force, National Belonging as Mutable: The Case of 1947 Partition Refugee Resettlement in Delhi, India
- 2:00 Kimberley Connor—Immigrant Diets and the Making of Australia
- 2:15 Ruth Van Dyke—Migrants, Materials, and the South Texas Past
- 2:30 Stephen Brighton—Memories of the Past and Its Impact in the Present: Conceptions and Misconception of the Irish Immigrant Experience in the United States
- 2:45 Sherene Baugher—Tutelo Resettlement in the Cayuga Heartland: Haudenosaunee Approach to Refugees
- 3:00 Koji Lau-Ozawa—Materializing the Incarceration of Japanese Americans during WWII
- 3:15 Yannis Hamilakis—Food and Eating Practices as Affirmative Bio-politics on the Border
- 3:30 Ann Danis—"But We Are Not Broken": Practices of Home in San Francisco Bay Area Homeless Encampments
- 3:45 Lori Lee—The Materiality of Migration
- 4:00 Dan Hicks—Lande: The Calais "Jungle" and Beyond
- 4:15 Jason De Leon—Discussant
- 4:30 Questions and Answers

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[84] SYMPOSIUM ■ SACRED SOUTHWESTERN LANDSCAPES: ARCHAEOLOGIES OF RELIGIOUS ECOLOGY
Room: 215 San Miguel**Time:** 1:00 PM–4:45 PM**Chair:** Aaron Wright**Participants:**

- 1:00 Aaron Wright and Nathalie Brusgaard—An Ecology of the Patayan-Yuman Dreamland
- 1:15 Sean Field—Timber Pilgrimage: Timber Importation as Pilgrimage to Chaco Canyon
- 1:30 Myles Miller—Bringing the Landscape Home: The Materiality of Placemaking and Pilgrimage in Jornada Mogollon Settlement
- 1:45 Samuel Duwe and Kurt F. Anschuetz—Through Tewa Eyes? Exploring the Diversity and Universality of Pueblo Sacred Landscapes
- 2:00 Julio Amador—Sacred Places and Rock Art Sites in the Sonoran Desert: Defining Common Patterns
- 2:15 Michael Searcy, Todd Pitezal and Steve Swanson—Envisioning Natural and Built Environments as Sacred Landscapes in Prehistoric Casas Grandes, Mexico
- 2:30 Barry Price Steinbrecher and Maren Hopkins—Place as Reference: Metonymy in Pueblo Landscapes
- 2:45 Katie Richards, James Allison and Lindsay Johansson—Fremont Villages in Their Cultural Landscapes
- 3:00 Henry Wallace and Aaron Wright—Horizon Events: Hohokam Ritual Relations with the Distant and Phenomenal
- 3:15 Polly Schaafsma and William Tsosie—Making a Homeland and Navajo Cultural Landscapes
- 3:30 Mark Lycett and Phillip Leckman—'The Shape which all that which is Settled has is that of a Cross': Negotiating Inscription and Experience in the Sacred Landscapes of 17th Century New Mexico
- 3:45 Sylvia Rodríguez and Aaron Wright—Procession and Sacred Landscape
- 4:00 Questions and Answers
- 4:15 Kurt F. Anschuetz—Discussant
- 4:30 Severin Fowles—Discussant

[85] SYMPOSIUM ■ THE VANISHING TREASURES PROGRAM: CELEBRATING 20 YEARS OF NATIONAL PARK SERVICE HISTORIC PRESERVATION
*(Sponsored by National Park Service)***Room:** 115 Brazos**Time:** 1:00 PM–5:00 PM**Chair:** Matthew Guebard**Participants:**

- 1:00 Lauren Meyer—Preserving Our Vanishing Treasures: 20 Years of Collaboration, Community Building, Traditional Craft and Conservation Science
- 1:15 Larry Nordby—The Origins of the National Park Service's Vanishing Treasures Program
- 1:30 Katherine Wonson—The Vanishing Treasures Training Program- Closing the Skills Gap
- 1:45 James Kendrick—Discussant
- 2:00 Sharlot Hart—Pluvia Ex Machina: Testing Rainfall Variability on Adobe Structures
- 2:15 Jeremy Moss and Colleen Fillipone—Moisture Monitoring Studies of Adobe Walls at Pecos NHP, New Mexico

- 2:30 Wendel Navenma, Lucas Hoedl and Jeremy Navenma—Integrated Approach to Ruins Stabilization at Tuzigoot National Monument
- 2:45 Jonathan Stark and Myron Gonzales—The Bandelier Preservation Program: Accomplishing the Vanishing Treasures Mission by Encouraging Traditional Building Skills and Descendant Community Involvement in the Preservation Process
- 3:00 Susan Snow—Mindful Preservation: Lessons Learned from the 2016-2018 Preservation Workshops at San Antonio Missions NHP
- 3:15 Rachel Adler and Laura Martin—Don't Leave Your Mark: Graffiti Mitigation Strategies at Arches National Park
- 3:30 Joshua Ramsey and Keith Lyons—Complexities and Opportunities in a Living Landscape: Developing a Cooperative Management Strategy for Historic Navajo Architecture in Canyon de Chelly
- 3:45 Steve Baumann—When Contemporary Becomes Historic: Preservation Maintenance to Mission 66 Architecture at El Morro National Monument
- 4:00 Matthew Guebard, Angelyn Bass, Douglas Porter and Larry Nordby—Architectural Documentation at the Montezuma Castle and Casa Grande Ruins National Monuments
- 4:15 Katherine Shaum, Neil Dixon and Katharine Williams—RTI Photography inside a Hohokam Great House
- 4:30 Jacob DeGayner and Iraida Rodriguez—Repeat Laser Scanning for Deformation Analysis in Prehistoric Earthen Architecture Rockshelter Sites: A Case Study at Tonto National Monument
- 4:45 Questions and Answers

[86] SYMPOSIUM ■ ADOPTING THE PUEBLO FETTLE: THE BREADTH AND DEPTH OF THE BASKETMAKER III CULTURAL HORIZON
(Sponsored by Crow Canyon Archaeological Center)
Room: 120 Dona Ana
Time: 1:00 PM–5:00 PM
Chair: Shanna Diederichs

Participants:

- 1:00 Kyle Bocinsky, Andrew Gillreath-Brown and Tim Kohler—The Climates of Pueblo Emergence
- 1:15 Richard Ahlstrom and Heidi Roberts—The Jackson Flat Reservoir Project: Investigating a Basketmaker-Pueblo I Community in Kanab, Utah
- 1:30 David Greenwald—Creekside Village: Early Village Organization and Subsistence Strategies in Tularosa Canyon, South-central New Mexico
- 1:45 Timothy Kearns—Basketmaker III on the Chuska Slope, Northwest New Mexico
- 2:00 Grant Coffey, Mark Varien and Kyle Bocinsky—Basketmaker III in the Central Mesa Verde Region: Transitions, Social Dynamics, and Population Growth
- 2:15 Linda Honeycutt—Ten Years Later: A Study of Basketmaker III Black-on-white Bowl Motifs in the Four Corners Region
- 2:30 Caitlin Sommer—Oversized Pitstructures in the Central Mesa Verde Region
- 2:45 Steve Copeland and Shanna Diederichs—The Indian Camp Ranch Community: a Two Hundred Year-Long History of a Basketmaker III Community in Southwest Colorado
- 3:00 Rebecca Simon and Shanna Diederichs—Rules Are Made to Be Broken: Reassessing Use-Life of Basketmaker III Structures
- 3:15 Kari Schleher—The Social Implications of Pottery Technology, Production, and Design from the Basketmaker Communities Project
- 3:30 Katherine Hughes, Leigh A. R. Cominiello, Jamie Merewether and Kari Schleher—No Stone Unturned: Rock Technology from the Basketmaker

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- Communities Project
- 3:45 Susan Smith and Karen Adams—Subsistence and Daily Needs at the Basketmaker Communities Project: Insights Through the Microscope from Plant Remains, Wood, and Pollen
- 4:00 Cynthia Fadem and Shanna Diederichs—Geoarchaeology of the Basketmaker Communities Project: Informing Past and Present Agricultural Sustainability
- 4:15 Shanna Diederichs—Ancestral Pueblo Essentials: Evidence for Layered Social Institutions during the Basketmaker III Period in the Northern Southwest
- 4:30 R. J. Sinensky—Discussant
- 4:45 Scott Ortman—Discussant

[87] SYMPOSIUM ■ CAPACITY BUILDING OR COMMUNITY MAKING? TRAINING AND TRANSITIONS IN DIGITAL ARCHAEOLOGY

(Sponsored by SAA Digital Data Interest Group)

Room: 18 Cochiti/30 Taos

Time: 1:00 PM–5:00 PM

Chair: Katherine Cook

Participants:

- 1:00 Ethan Watrall—Building Capacity and Communities of Practice in Digital Heritage and Archaeology
- 1:15 Willeke Wendrich—Digital Archaeology Mentorship: Best Practices in a Rapidly Changing Field
- 1:30 Susan Blair, Neha Gupta, Victoria Clowater, Ramona Nicholas and Katherine Patton—Podcasting and Two-Eyed Seeing: Digital Practice, Community Engagement, and Reconciliation in Archaeological Discourse
- 1:45 Joshua J. Wells, Robert DeMuth, Stephen Yerka, Eric Kansa and Sarah Witcher Kansa—Geographic Information Just Wants to Be Free: Capacity-Building in the Ethical and Practical Uses of Free and Open Source GIS Software and Open Geospatial Data Standards within the Digital Index of North American Archaeology (DINAA)
- 2:00 Julia Brenan—Access to Information: The Case of Birch Island
- 2:15 Anne Austin, Ixchel Faniel, Eric Kansa, Jennifer Jacobs and Ran Boytner—Best Strategies for Field-based Training in Data Recording and Management
- 2:30 Julian Richards, Nicole Beale, Gareth Beale and Katie Green—DEBS: Using Digital Tools in Community-Led Graveyard Recording
- 2:45 Ann Stahl—Co-Creating Digital Heritage Resources in Ghana: How Is It Going?
- 3:00 Questions and Answers
- 3:15 Katherine Cook—Digital Communities of Learning: Bridging Technology, Pedagogy, and Community-Engaged Practice
- 3:30 Eric Kansa and Sarah Witcher Kansa—Data Literacy and Public Engagement in Archaeology
- 3:45 Mary Compton—Archaeological and Digital Ethics as a Critical Component of Digital Literacy
- 4:00 Tom Fitton and Stephanie Wynne-Jones—Recompiling the Archaeology of East Africa: The Swahili GIS Project, and What Comes Next
- 4:15 Ruth Tringham—Archaeologists as Early Adopters and Critical Remediators at UC Berkeley's MACTiA
- 4:30 Kate Ellenberger—Discussant
- 4:45 Lynne Goldstein—Discussant

[88] POSTER SESSION ■ CASE STUDIES IN HERITAGE PRESERVATION

Room: La Sala

Time: 2:00 PM–4:00 PM

Participants:

- 88-a Stephen Lekson—Archaeological Curation: Challenges and Opportunities
- 88-b Jenna Carlson Dietmeier, Michael Fosha and Chris Nelson—Bison Kill Sites in South Dakota, 9,000 B.C. – A.D. 1875: A National Register of Historic Places Multiple Property Listing
- 88-c Liz Ale—Addressing Objects in Limbo: Using Digital Resources to Increase Access to Native American Material Culture
- 88-d Elizabeth Markle, Shannon Cowell and Esmeralda Ferrales—Recreation, Rockshelters, and Resource Management
- 88-e Daniela Turcanu-Carutiu, Rodica-Mariana Ion, Alessandro Ravotto, Sorin Tincu and Verginica Schroder—Ancient and Medieval Monuments from Romania and Spain as a Testimony of Transcontinental Links—Cultural and Scientific Aspects
- 88-f Célia Gonçalves, Claudia Umbelino and Joao Cascalheira—Muge Portal: A New Digital Platform for the Last Hunter-Gatherers of the Tagus Valley, Portugal
- 88-g Kevin Nolan, Michael Shott, Eric Olson and Sidney Travis—The Risks and Benefits of Working with Private Collections: Lessons from the COADS Project
- 88-h Jordon Loucks—Archaeology and the Green Power Initiative: Reconciling Large Renewable Energy Development Projects and the Protection of Cultural Resources
- 88-i David Stone—Fulbright—Creative Ireland Museum Fellowship - Standards, Storage and Dissemination: New Approaches to Archiving, Curation and Data Sharing of Environmental Archaeological Material
- 88-j Tamra Walter, Joe Rogers and Valentina Martinez—Preserving the Faith: Archaeological Investigations at Mission San Lorenzo (41RE1), Camp Wood, Texas
- 88-k Felisa Aguilar, Joaquín Arroyo-Cabrales and Eduardo Corona-Martínez—INAH's Paleontological Council and Its Role in Preserving the Mexican Heritage
- 88-l Kaitlyn Ball—Old Main: Archaeology of a 19th Century College Campus
- 88-m Fredrick Halford and Jayson Murgoitio —Getting Out of the Box: New Horizons for Cultural Resources Data Management and Analyses
- 88-n Karen Smith, Meg Gaillard and Sean Taylor—Archaeological Salvage at Pockoy, a Late Archaic Period Shell Ring Site on the Botany Bay Heritage Preserve, Charleston County, South Carolina
- 88-o Heather Morrison and Victoria Ramirez—Standardizing Condition Monitoring at Antelope House
- 88-p Jorge Rios Allier—Archaeological Heritage Management in Mexico: Current Panorama

[89] POSTER SESSION ■ HOW TO CONDUCT MUSEUM RESEARCH AND RECENT RESEARCH FINDINGS IN MUSEUM COLLECTIONS: POSTERS IN HONOR OF TERRY CHILDS

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

Room: La Sala

Time: 2:00 PM–4:00 PM

Chairs: C. L. Kieffer and Elanor Sonderman

Participants:

- 89-a Elanor Sonderman—Evaluating Sandal Types and Chronologies in the Lower Pecos Region of Texas
- 89-b C. L. Kieffer—Museum Manners: Brushing Up on Research Etiquette by Learning from the Mistakes of Others
- 89-c Marybeth Tomka and Lauren Bussiere—Planning Research at the Texas

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- 89-d Archeological Research Laboratory and Don't Forget Your Cowboy Boots
Christopher Crews and Emily Opack—Na Ko`i O Wai`ahukini: Adze Size and Sources of Toolstone at Wai`ahukini Rockshelter
- 89-e Danielle Benden—A Career to Celebrate: The Achievements of S. Terry Childs and Her Impact on Archaeological Collections
- 89-f John Doershuk, John Cordell, Teresa Rucker and Stephen Lensink—Using the State Archaeological Repository of Iowa: Collections Long Held Re-examined and Application of New Technologies
- 89-g Roger Colten and Brian Worthington—Caribbean Archaic Faunal Exploitation: Analysis of Museum Collections
- 89-h Tim Riley—Blind Dates and Nervous Anticipation: Adding Temporal Context to Perishable Artifacts in Legacy Collections from eastern Utah
- 89-i Jeannine Pedersen-Guzman and Jason LaBelle—The Archaeological Repository of Colorado State University: Expanding Opportunities for Accessibility and Research
- 89-j Stephen Nash, Michele Koons, Melissa Bechhoefer, Krista Barry and Sarah Carlson—Enhancing Preservation and Access to Archaeological Collections at the Denver Museum of Nature & Science
- 89-k Julia Clifton—Duck, Duck, Goose? A Ceramic Survey Grows into a Primer on Variability
- 89-l Jillien Keim Malott and Stevy Hernandez—Research Opportunities in Archaeology at the Fowler Museum at UCLA
- 89-m Stevy Hernandez, Wendy Teeter, Xochitl Aguinaga and Jillien Malott—The State of the State of California Curation
- 89-n Jennifer Lemminger—Identification of Wood Used at Daugherty Cave, WY
- 89-o Nathan Shelley—Assessing Archaeological Applications of Curated Sediment Samples: A Case Study at Mesa Portales
- 89-p Heidi Van Etten, Chase Mahan and Marieka Arksey—Keeping Track of it All: Building a Repository Database from the Ground Up

[90] POSTER SESSION ■ ARCHAEOLOGIES OF THE EASTERN JEMEZ MOUNTAIN RANGE AND THE PAJARITO PLATEAU: INTERAGENCY COLLABORATION FOR MANAGEMENT OF CULTURAL LANDSCAPES

Room: La Sala

Time: 2:00 PM–4:00 PM

Chair: Hannah Van Vlack

Participants:

- 90-a Jeremy Brunette—Resetting the Anchor: Reconsidering a Historic Ranch in Remote Northern New Mexico
- 90-b Cameron Townsend—Visualizing the Unique: Lidar and Three-Dimensional Modeling as a Preservation Tool for NHPA Compliance
- 90-c Elliot Schultz—Public Perceptions: The Utility of Narrow-Scope Visitor Surveys to Improve Cultural Resource Interpretation
- 90-d Jon Bremer and Anne Baldwin—Managing Between Earth and Sky: Forested Landscape Cultural Resource Management in the Jemez Mountains
- 90-e Alison Livesay—No Photos Allowed: Photogrammetry at Los Alamos National Laboratory
- 90-f Jamie Civitello and Anastasia Steffen—Just Up the Hill and Not Down the Line: Ancestral Pueblo Obsidian Use at the Source
- 90-g Vidal Gonzales and J.T. Stark—Engaging Local Pueblo Youth to Preserve Ancestral Pueblo Sites at Bandelier National Monument, New Mexico
- 90-h Kari Cates and Cyler Conrad—Long-Term Changes in Human-Animal Relationships on the Pajarito Plateau

- 90-i F. Scott Worman—MSU-VCNP Archaeology Field Schools: Collaborative Experiments in CRM Training
 90-j Jana Comstock—Preserving Cultural Resources on the Santa Fe National Forest: a Collaboration between Federal Archaeologists and Volunteers
 90-k Rebecca Baisden—Fire Meets the Past: Archaeological Site Thinning on the Jemez Ranger District of the Santa Fe National Forest
 90-l David Holtkamp, Karla Sartor and Maria Musgrave—Identifying Cumulative Impacts from Wildfire and Wildfire Mitigations at Los Alamos National Laboratory

[91] POSTER SESSION ■ SANNA v2.1: CASE STUDIES IN THE SOCIAL ARCHAEOLOGY OF THE NORTH AND NORTH ATLANTIC

Room: La Sala

Time: 2:00 PM–4:00 PM

Chairs: Elie Pinta and Christian K. Madsen

Participants:

- 91-a Elie Pinta, Sofía Pacheco-Forés and Euan P. Wallace—Norse Exploitation of Wooden Resources in North America: Determining Wood Provenance Using Isotopic Analysis
 91-b Michael Nielsen—New Interpretations of Medieval Norse Artifacts from the Tasikuluulik (Vatnahverfi) Area, South Greenland
 91-c Dawn Elise Mooney—Imagined Forests: Woodlands and Wood Resources in Medieval Icelandic Literary, Documentary and Archaeological Sources
 91-d Sant Mukh Khalsa—Everyday Objects and the Lived Experience: Inhabiting Gufuskálar, a Late Medieval Icelandic Fishing Station
 91-e Nicholas Zeitlin—The Socio-economic Dynamics of Iron Production in Viking Age Northern Iceland
 91-f Erica Hill—Human Interment and Making Memory in Viking Age Iceland
 91-g Annalisa Hppner—Alaskan Legacy Collections Outside Alaska: Challenges, Opportunities and Potential

[92] GENERAL SESSION ■ ARCHAEOLOGICAL METHOD AND THEORY IN PRACTICE, PART II

Room: 220 Ruidoso

Time: 3:00 PM–4:30 PM

Chair: Heather Smith

Participants:

- 3:00 Cornel Pop—Lithics3D: An R Package for Lithic Analysis
 3:15 Neil Dixon, M. Kathryn Brown and Leah McCurdy—RTI Photography Part of a Greater Whole in Archaeological Documentation Methodology
 3:30 Sjoerd Van Der Linde—Putting the Soul into Archaeology—Integrating Interpretation into Practice
 3:45 Oliver Boles, Emily Hammer and Kathy Morrison—Pastoralism and Anthropogenic Land Cover Change (ALCC) Mapping
 4:00 Robin Skeates—Sensory Archaeology: Key Concepts and Debates
 4:15 Heather Smith and Metin Eren—Rock Music: The Sounds of Flintknapping

[93] FORUM ■ PARTNERSHIPS IN REPATRIATION: WHAT'S WORKING AND WHAT ISN'T?

Room: 270 Ballroom C

Time: 3:00 PM - 5:00 PM

Moderators: Patrick Lyons and Vernelda Grant

Participants:

Shane Anton—Discussant
Claire Barker—Discussant
Garry Cantley—Discussant
Angela Garcia-Lewis—Discussant
Vernelda Grant—Discussant
Stewart Koyiyumptewa—Discussant
Patrick Lyons—Discussant
John McClelland—Discussant
Kimberly Spurr—Discussant
Lindsey Vogel-Teeter—Discussant

[94] GENERAL SESSION ■ ARCHAEOLOGY OF THE ARCHAIC PERIOD IN NORTH AMERICA, PART II**Room:** 140 Aztec**Time:** 3:00 PM–5:00 PM**Chair:** Mary Fitts**Participants:**

- 3:00 Brianne Sisneros, Calvin Lehman, Megan Weldy and Ryan Brucker—Pre-Contact Land Use of the Gallinas Mountains, Lincoln County, New Mexico
- 3:15 Bryan Heisinger—Skiles Shelter (41VV165): A Closer Look at a Long-Term Earth Oven Facility
- 3:30 Michele Troutman—Understanding Early Archaic Stone Tool Production Practices: A Pilot Study
- 3:45 Cosimo Sgarlata—Household Archaeology of a Late Archaic Pit-house in Southern New England
- 4:00 Mary Fitts and Samuel Franklin—Adaptive Approaches to the Thingness of Institutional Datasets: A View from North Carolina
- 4:15 Katharine Napora, Victor Thompson, Robert Speakman, Alexander Cherkinsky and Robert Horan—Environmental and Cultural Changes at the Late Archaic – Early Woodland Transition on the Georgia Coast, USA: A Dendrochronological and 14C-Based Approach
- 4:30 Vanessa Hanvey—Morphometric Analysis and the Investigation of Communities of Stone Toolmakers
- 4:45 Horvey Palacios and Traci Ardren—Green Stone Pendants of the Florida Middle Archaic: Trade and Lithic Ornament Construction as Evidence for Early Social Difference

[95] GENERAL SESSION ■ NEW DIRECTIONS IN EXPERIMENTAL ARCHAEOLOGY, PART II**Room:** 130 Cimarron**Time:** 3:00 PM–5:00 PM**Chair:** Ashley Cercone**Participants:**

- 3:00 Joelle Nivens—Early Aurignacian Symbolic Technologies: Assessing the Relationship between Personal Ornaments and Coloring Materials in SW France
- 3:15 Dmitry Yegorov, Steven Rosen and Ofer Marder—The Heat Treatment of Flint in the Middle Pre-Pottery Neolithic Site of Yiftahel (Lower Galilee, Israel) and Its Social Interpretation
- 3:30 Annelou Van Gijn, Annemieke Verbaas, Nicholas Groat and Loe Jacobs—The Life History of Early Celtic Vessels: An Experimental Approach towards Exploring the Inferential Limits of Interpreting Pottery Function
- 3:45 Ashley Cercone—Putting the Mold to the Test: The Application of Experimental

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- 4:00 Archaeology to Compare the Mold and Potter's Wheel in Bronze Age Anatolia
Michelle LaBerge—The Heart of the Madder: New Research on an Important Prehistoric Dye Plant
- 4:15 Joseph Wayman—Experiment to Investigate the Effect of Animal Trampling on Flat Objects
- 4:30 Suramya Bansal—Practical and Interpretive Implications of Experimental Hand Imprints
- 4:45 Dale Croes and Ed Carriere—Generationally-Linked Archaeology: Northwest Coast of North America Example

[96] SYMPOSIUM ■ MEDICINE AND HEALING IN THE AMERICAS: ARCHAEOLOGICAL AND ETHNOHISTORICAL PERSPECTIVES

Room: 235 Mesilla

Time: 3:15 PM–5:00 PM

Chairs: Joshua Schnell and Mark Agostini

Participants:

- 3:15 Joshua Schnell—Patients and Practitioners: Archaeological and Ethnohistorical Approaches to Ancient Medicine and Healing Practices in the Americas
- 3:30 Mark Agostini and Robert Weiner—When Is Healing?: An Archaeological Case Study of the Chacoan and Post-Chacoan American Southwest
- 3:45 Nicholas Laluk and Mae Burnette—We Know Who We Are and What Is Needed: Achieving Healing, Harmony and Balance in Ndee Institutions
- 4:00 William Whitehead—Medicinal Plant Use in Southeast New Mexico: Botanical, Ethnobotanical and Archaeological Evidence
- 4:15 Sarah Watson, Joshua Schnell, Shanti Morell-Hart and Andrew Scherer—Health Care in the Marketplace: Exploring Medicinal Plants and Practices at Piedras Negras
- 4:30 Ryan Hechler—Born This Way, Becoming That Way: Difference, Disability and Sickness in Inka Society
- 4:45 Ryan Kashanipour—Discussant

[97] GENERAL SESSION ■ MISSISSIPPIAN ARCHAEOLOGY

Room: 60 Chaco

Time: 3:15 PM–5:00 PM

Chair: Katherine Sterner

Participants:

- 3:15 Erin Nelson and Tamira K. Brennan —Building, Burying, Tearing Down: The Role of Destruction in Mississippian Mound Building
- 3:30 Virginie Renson, Evan Peacock, Brenda Kirkland and Simon Sherman—Elemental and Isotopic Geochemistry to Source Shell-Tempered Ceramics – Late Woodland and Mississippian Contexts in the Yazoo Basin
- 3:45 Jera Davis, Stephen B. Carmody and Jon Russ—Not Just Blowing Smoke: Tobacco and Society at Ancient Moundville
- 4:00 Katherine Sterner—Upper Mississippian Stone Tools and Community Organization
- 4:15 Michael Moore and Aaron Deter-Wolf —The Inglehame Farm Site (40WM342): A Preliminary Assessment of Mississippian Settlement in the Little Harpeth River Watershed, Tennessee
- 4:30 Brandon Ritchison—The Downstream Effects of Abandonment: Immigration and Transformation on the 14th Century Georgia Coast, USA
- 4:45 Brian Ostahowski, Jayur Mehta and Theodore Marks—Coastal Louisiana's Vanishing Archaeological Record: The Last Investigations at the Adams Bay

Mounds Site (16PL8)

[98] GENERAL SESSION ■ LATE INTERMEDIATE AND LATE HORIZON ARCHAEOLOGY IN THE ANDES

Room: 32 Tesuque

Time: 3:15 PM–5:00 PM

Chair: Jessica Smeeks

Participants:

- 3:15 Julia Earle and Jhon Percy Cruiz Quiñones—Pre-hispanic Building Stone Quarrying and Selection near Mt. Coropuna, Perú
- 3:30 Brian McCray—To Wear or to Trade: Analyzing Bone Pendant Artifacts from the Peruvian Montaña
- 3:45 Armando Anzellini and J. Marla Toyne—GIS in Vertical Spaces: An Examination of Location and Clustering of Mortuary Contexts at the Cliff Site of La Petaca, Peru
- 4:00 Kasia Szremski—How Much Can I Get for These Choros? New Evidence for Andean Markets from the Chancay Site of Cerro Blanco, Huanangue Valley, Peru
- 4:15 Jessica Smeeks—Constructed Landscapes: Late Intermediate Period Architecture and Spatial Organization in the Huamanga Province of Peru
- 4:30 James Crandall and Anna Guengerich —Spatial Temporalities and the Ritualized Remodeling of Chachapoya Architectural Space
- 4:45 Jon Clindaniel—Colors of the Inka Khipu: Demonstrating a Link to Textile Production

[99] GENERAL SESSION ■ GEOARCHAEOLOGY IN THE AMERICAS

Room: 70 Tewa

Time: 3:15 PM–5:00 PM

Chair: Eva Hulse

Participants:

- 3:15 Analise Hollingshead—Investigations at Half Mile Rise Sink (8TA98): A Submerged Paleoindian Site in Northwest Florida
- 3:30 Eva Hulse, Kristen Fuld and Karla Hotze—Prairies and Meadows: A Continuous Record of Upland Settlement in SW Washington State
- 3:45 Seth Grooms, Grace Ward and Andrew Schroll—Jaketown Re-Revisited
- 4:00 Kevin Wiley and Joseph Schuldenrein—Buried Landscapes: GIS 3D Modeling of Geoarchaeological Data
- 4:15 Helen Fairley—Understanding Dam Effects on Downstream Archaeological Resources: Lessons Learned from Three Decades of Research Downstream from Glen Canyon Dam, Arizona
- 4:30 Juliet Morrow, Randall Cox and Sarah Stuckey—Paleoseismology at Old Town Ridge
- 4:45 Kendal Jackson—Of Marsh and Mangal: Political/Historical Ecology in Tampa Bay's Coastal Wetlands

[100] GENERAL SESSION ■ NEW DISCOVERIES IN THE ANCIENT MAYA LOWLANDS: SETTLEMENT AND SOCIETY

Room: 210 Tijeras

Time: 3:15 PM–5:00 PM

Chair: Whittaker Schroder

Participants:

- 3:15 Scott Hutson, Daniel Vallejo Caliz and Shannon Plank—Partialities of Power at Uci, Yucatan, Mexico
- 3:30 Jeffrey Vadala—Archaeological Actor-Network Theory: Case Study at Cerro Maya (Cerros, Belize)
- 3:45 Ricardo Rodas, Omar Alcover and Mónica Urquizú—Refugios y rituales: Conflicto en el Fortín Preclásico de Macabilero, Guatemala
- 4:00 Ernesto Arredondo and Luke Auld-Thomas —Persistence of the Anthropocene in the Maya Lowlands
- 4:15 Whittaker Schroder—Processes of Collapse, Resilience, and Reorganization at El Infiernito, Chiapas
- 4:30 Ken Seligson, Melissa Galvan and William Ringle—The Yaxhom Valley Survey II
- 4:45 Meghan Rubenstein—Using Architectural Sculpture to Think about Center and Periphery in the Puuc Region

[101] SYMPOSIUM ■ FROM CAMPSITE TO CAPITAL – MOBILITY PATTERNS AND URBANISM IN INNER ASIA**Room:** 27 Picuris**Time:** 3:30 PM–5:00 PM**Chairs:** Susanne Reichert and Ursula Brosseder**Participants:**

- 3:30 Ursula Brosseder—The World of the Living and the World of the Dead - A Bronze Age Monumental Landscape in Central Mongolia
- 3:45 Ann Merkle and Michael Frachetti—Mobility and Highland Medieval Urbanism of the Nomadic Qarakhanids (9th-11th c. CE, Uzbekistan)
- 4:00 Susanne Reichert—Mongol Period Urban Sites and Their Hinterland in Comparison: Karakorum and Khar Khul Khaany Balgas
- 4:15 Jan Bemann—Cities in the Heartland of the Mongol Empire
- 4:30 William Gardner—Discussant
- 4:45 Joshua Wright—Discussant

[102] SYMPOSIUM ■ CHALLENGES AND FUTURE DIRECTIONS IN PLANT STABLE ISOTOPE ANALYSIS IN ARCHAEOLOGY**Room:** 110 Galisteo**Time:** 3:30 PM–5:00 PM**Chair:** Petra Vaiglova**Participants:**

- 3:30 Amy Bogaard, Charlotte Diffey, Elizabeth Stroud and Amy Styring—From Present-Day Fields to Ancient Samples...and Back Again: Strategies for Establishing Principles of Interpretation in Plant Stable Isotope Work
- 3:45 Gideon Hartman—Post-Charring Bacterial Degradation of Archaeological Lentils by Bacterial Degradation
- 4:00 Paul Szpak and Katherine Chiou—Stable Isotope Analysis of Charred and Desiccated Plant Remains from the North Coast of Peru
- 4:15 Elizabeth Stroud, Amy Bogaard, Michael Charles and Helena Hamerow—Identifying Crop Rotation during the Early Medieval Period in England: Charring Temperature, Contamination and Isotopic Boundaries
- 4:30 Francisca Santana Sagredo, Julia Lee-Thorp, Rick Schulting, Mauricio Uribe and Chris Harrod—Agricultural Practices in the Atacama Desert (Northern Chile): New Perspectives from Stable Isotope Analysis on Archaeological Crops
- 4:45 Petra Vaiglova and Amy Bogaard—The Nitrogen Challenge at Çatalhöyük

Thursday Afternoon, April 11, 2019

[103] SYMPOSIUM ■ THE PRE-COLUMBIAN CULTURES OF HONDURAS AFTER AD 900**Room:** 230 Pecos**Time:** 3:30 PM–5:00 PM**Chairs:** Edy Barrios and Cameron L. McNeil**Participants:**

- 3:30 Lindsay Powell and Zachary Hruby—The Obsidian of Postclassic Rio Amarillo: A Shift in Population or Technology?
- 3:45 Raquel Otto Mejía, Luke Stroth, Geoffrey Braswell, Markus Riendel and Franziska Fecher—Reconsideración de Las Fuentes de Aprovisionamiento de Obsidiana en el Oriente y Suroriente de Honduras
- 4:00 Mauricio Diaz Garcia, Cameron L. McNeil, Walter Burgos, Agapito Carballo and Samuel Pinto—The Beginning of a New Epoch: The Transition to Post-dynastic Life in Río Amarillo, Copán Valley, Honduras
- 4:15 Eva Martinez—Social Interaction and Exchange Networks in Eastern Honduras: Late Classic-Early Postclassic Period (AD 600-1000)
- 4:30 Edy Barrios, Cameron L. McNeil, Mauricio Diaz Garcia and Antolín Velásquez—Transition and Resilience: Commoner Occupation in the Rio Amarillo East Pocket of the Copan Valley during the Postclassic Period
- 4:45 Nathan Meissner—Discussant

[104] GENERAL SESSION ■ ARCHAEOLOGY FOR THE PUBLIC: EDUCATION, OUTREACH, AND ENGAGEMENT: NORTH AMERICA**Room:** 21 Jemez**Time:** 3:45 PM–5:00 PM**Chair:** Sean Gantt**Participants:**

- 3:45 Caitlin Coleman—The Evolution of Public Communications in the Ontario CRM Industry
- 4:00 John Rissetto and Kelli Bacon —Balancing Public and Professional Interests in Archaeology from a State Historic Preservation Office (SHPO) Perspective
- 4:15 Sean Gantt—Indigenous Public Archaeology: A Multi-cultural Landscape Approach to the Central Mesa Verde Region
- 4:30 David Mather, Jim Cummings, David Maki and Seppo Valppu—Public Archaeology at Kathio National Historic Landmark: Structure and Archaeobotany of a Burned Earthlodge
- 4:45 Elizabeth Eklund—Archaeology in the Plaza: Public Display of the Past in Banamichi, Sonora

[105] GENERAL SESSION ■ HERITAGE PRESERVATION IN MESOAMERICA**Room:** 65 Hopi**Time:** 3:45 PM–5:00 PM**Chair:** Kasey Diserens Morgan**Participants:**

- 3:45 Sandra Lopez Varela—Alternative Mexico: A Mobile Application for the Preservation of Mexico's Heritage
- 4:00 Esteban Miron Marvan—Maya Archaeological Heritage: Ethical and Methodological Challenges from the Mexican Practice of the Discipline
- 4:15 Laura Lacombe, Amy Thompson, William Fash and Loa Traxler—Digital Methods for Conservation in Underground Archaeological Contexts: A Case Study from the Copan Acropolis
- 4:30 Kasey Diserens Morgan—Building a Façade: When Political Involvement Changes the Narrative, Fabric, and Value of Historic Sites

Thursday Afternoon, April 11, 2019

- 4:45 Mathieu Picas and Margarita Diaz-Andreu—Local Interpretations about Maya Pre-Hispanic Heritage: The Case of Tulum

[106] GENERAL SESSION ■ METHODS IN GLOBAL ARCHAEOMETRY**Room:** 15 Zuni**Time:** 4:00 PM–5:00 PM**Chair:** Mariah Wade**Participants:**

- 4:00 Scarlett Chiu, Yu-Yin Su, David Killick and Christophe Sand—Preliminary Results of Petrographic and Chemical Analyses of Lapita Pottery Assemblage Excavated from Kurin Site, Mare Island, Loyalty Islands, New Caledonia
- 4:15 Mariah Wade and Laure Dussubieux —Peering into the Glass and What Can It Tell about the Iron Age and the Romans in Northwest Portugal
- 4:30 Ashlee Hart—Archaeometric Analysis of Ceramics from Iron Age Thrace, Bulgaria
- 4:45 Nicole Rose—Technology on the Move: The Influence of Mobility on Pottery Production on the Ancient Russian Steppe

[107] GENERAL SESSION ■ HISTORICAL ARCHAEOLOGY ACROSS NORTH AMERICA**Room:** 17 Apache**Time:** 4:00 PM–5:00 PM**Chair:** Eve Dewan**Participants:**

- 4:00 Eric Tebby—Stitching History and Archaeology: New Investigations into the Chimney Coulee (DjOe-6) Métis Wintering Site
- 4:15 Krista Sonenshine and Ulrike Krottscheck —Excavations at the Bush Homestead in Tumwater, Washington
- 4:30 Eve Dewan—Mission to Survive: Catholic Education, Childhood, and Community on the Grand Ronde Reservation
- 4:45 David G. Hyde—Culture Contact and Change in the Industrial American West: Examples from the 19th Century Samuel Adams Lime Kiln Complex, Santa Cruz, California

[108] GENERAL SESSION ■ SUBMERGED AND INUNDATED: ARCHAEOLOGY UNDER WATER**Room:** 19 Isleta**Time:** 4:00 PM–5:00 PM**Chair:** Robert Stokes**Participants:**

- 4:00 Michael Obie—Lost Landscapes of the Kawarthas: Investigating Inundated Archaeological Sites Using Integrated Methods
- 4:15 Robert Stokes and Mark Hungerford —The Effects of Inundation on an Early Fourteenth-Century Adobe Pueblo at Caballo Reservoir, New Mexico
- 4:30 Haley Streuding—Which Way Is Ashtabula? Recent Archaeological Investigations within Lake Erie Waters of Ashtabula County, Ohio
- 4:45 Amanda Evans, Richard Weinstein, August Costa, Louise Tizzard and Ramie Gougeon—Submerged Prehistoric Archaeology: Tackling the Issues of Scale and Context on the Gulf of Mexico Outer Continental Shelf

 Thursday Afternoon, April 11, 2019

[109] GENERAL SESSION ■ FANG-TASTIC ARCHAEOLOGY: NEW RESEARCH ON ANCIENT CANINES
Room: 20 Laguna**Time:** 4:15 PM–5:00 PM**Chair:** Eric Tourigny**Participants:**

- 4:15 Bonnie Glencross, Taylor Smith, Gary Warrick and Tracy Prowse—Geographic and Temporal Variation in Canid Dietary Patterns from Five Huron-Wendat Village Sites in Ontario, Canada
- 4:30 Karthik Yarlagadda, Kelsey Witt, Kristin Hedman, Kelly Swanson and Ripan Malhi—The Influence of Diet on the Ancient Dog Gut Microbiome
- 4:45 Eric Tourigny—Do All Dogs Go to Heaven? How Pet Cemeteries Document Changing Human-Animal Relationships

[110] POSTER SESSION ■ ARCHAEOOMETRY AROUND THE WORLD
Room: Hall 3**Time:** 5:00 PM–7:00 PM**Participants:**

- 110-a Jeremy Menzer—Applying Simple Magnetic Depth Estimation Techniques to Archaeo-geophysics
- 110-b James McGrath—Colorimetric Analysis of the PP5-6 Ochre
- 110-c Sandra Zarzycka, Todd Surovell, Madeline Mackie and Spencer Pelton—Establishing Provenance of Ochre from the La Prele Mammoth Site: A Geochemical Analysis
- 110-d Roxane Matias, Sandra Lennox, Ana Gomes, Nuno Bicho and Jonathan Haws—Anthracological Analyses of the Iron Age Shell Middens Complex at Praia da Rocha, Inhambane, Mozambique
- 110-e Lauren Clark, Meradeth Snow and Mark MacKenzie—Domestication of the Cochineal
- 110-f Manuel Soler, Ana Aguirre and Verónica Ortega—Estudio de la variación del ADN mitocondrial en entierros de Tlailotlacan, Teotihuacan
- 110-g Ryan Parish, Nora Franco and Dagmara Werra—Characterizing Argentinian Quartzite and Polish 'Chocolate' Flint for Sourcing Studies
- 110-h Jenail Marshall and Michele Buzon—Microbiological Significance of Fermented Beverages: Reconstructing the Health and Nutrition of Ancient Agriculturalists
- 110-i Samuel Harris, Amanda Logan and Anne M. Compton—Archaeobotany of Food & Craft near Bono Manso, Ghana, during the Transition from Trans-Saharan to Atlantic Trade
- 110-j Brendan Nash—Neural Nets for Style: A Method for the Examination of Material Culture Variation
- 110-k Bryna Hull, Reba Fuller, Jelmer Eerkens, Eric Wohlgemuth and Carly Whelan—Stable Isotope Analysis of Humans, Pine Nuts, and Acorns from the Central Sierra Nevada, CA
- 110-l Thomas Royle, Eric Guiry, Trevor Orchard and Dongya Yang—Investigating the Sex Selectivity of Middle Iroquoian Salmonid Fisheries through Ancient DNA Analysis
- 110-m Patricia McNeill, Bryna Hull and Teresa Steele—Does Exposure to Heat Alter Stable Isotope Values of Ostrich Eggshell?
- 110-n Caitlin Clark and Linda Scott Cummings—Archaeological Maize: Does It Vary across Space and Time?
- 110-o Alexis O'Donnell, Emily Moes, Ethan C. Hill, Douglas J. Kennett and Keith M. Prufer—Indicators of Skeletal Stress in a Small Skeletal Sample Spanning the Holocene in the Maya Mountains of Belize

[111] POSTER SESSION ■ ISOTOPIC PERSPECTIVES ON MOBILITY

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

- 111-a Beth Scaffidi and Kelly Knudson —Crowd-Sourcing Isoscapes in (Bio)archaeology: The Andean Paleomobility Unification (APU) Project and Geolocation of Skeletons and Artifacts
- 111-b Ashley Maxwell, Kristina Killgrove and Robert H. Tykot—The Langobards in Italy? A Look at Migration in Vicenza Using Oxygen Stable Isotope Analysis
- 111-c Derek Hamilton, Kerry Sayle and Gordon Cook—Using Multiple Isotopic Analyses to Infer Population Mobility in Iron Age Britain
- 111-d Emily Kate, J. Heath Anderson, Douglas J. Kennett and John Krigbaum—A Preliminary Study of Epiclassic Human Mobility at La Mesa in Tula, Mexico Using Stable and Radiometric Isotope Analyses and Radiocarbon Dating
- 111-e Kristina Solis—Postmarital Residence Patterns of Late Archaic Hunter-Gatherers from the Loma Sandia (41LK28) Site, Live Oak County, Texas: An Analysis Using $^{87}\text{Sr}/^{86}\text{Sr}$
- 111-f Yasmine Flynn-Arajdal, Katherine Miller Wolf, Carolyn Freiwald and Christina Halperin—Isotopic Analysis and Social Identities from Classic Period (ca. 300-900 CE) Burials at the Maya Site of Ucanal, Petén, Guatemala

[112] POSTER SESSION ■ ARCHAEOLOGY IN 3D

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

- 112-a Jeb Card and Salem Arvin —3D Reconstruction of Early Spanish Colonial Hybrid Ceramics from Ciudad Vieja, El Salvador
- 112-b Aaron McCanna and Matthew Schmader—Three-Dimensional Modeling Applications for Cultural Preservation
- 112-c Cindy Hsin-yee Huang—From the Lab to the Cave and Back: 3D Modeling Finger Flutings
- 112-d Christine Jones and Elizabeth Church—Archaeology in 3D: Exploring Differences in Photogrammetric Models Created with Popular Structure-from-Motion (SfM) Archaeological Software from both Drone and Terrestrial Photography
- 112-e Anna Lockhart—Comparability of Photogrammetry and Laser Scanners for Generating 3D Surfaces for Archaeological Questions
- 112-f Jeremiah Perkins, Cambria Haley and David Klamm—The Cooperative Future of Archaeology and 3D Terrestrial Scanning
- 112-g Philip Fisher—Topographic Morphometrics: Utilizing 3D Scans of Lithic Projectile Points to Look for Similarities and Differences in Flake Scar Patterning
- 112-h Michael Hargrave and Carey Baxter—Experimental Use of 3-D Data to Predict the Risk of Slumping at Monks Mound, Cahokia

[113] POSTER SESSION ■ NEW METHODS TO STUDY ANCIENT MAYA SETTLEMENT AND SOCIETY

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

Thursday Afternoon, April 11, 2019

- 113-a Travis Stanton, Dominique Meyer, Jose Osorio, Jeremy Coltman and Karl Taube—Recent Remote Sensing and Digital Documentation at Chichen Itza, Yucatan, Mexico
- 113-b Adrian Chase—Maya Inequality at Caracol, Belize: District-Level Urban Analysis within a Garden City
- 113-c Jessica Munson, Andrés Mejía Ramón and Lorena Paíz Aragon—New Methods of Mound Detection in the Maya Lowlands: UAV Survey and Settlement Mapping at Altar de Sacrificios, Petén, Guatemala
- 113-d Nicaela Cartagena, Sheldon Skaggs and Terry Powis—The Use of Geospatial Technology to Identify Patterns in the Distribution of Artifacts at the Ancient Maya Site of Pacbitun, Belize
- 113-e Amy Thompson—Linking Landscapes and Resources to Settlement Decisions in Ancient Low-Density Cities in the Southeastern Maya Lowlands
- 113-f Kyle Shaw-Müller, John Walden, Michael Biggie, Abel Nachamie and Qiu Yijia—The Spatial Distribution of Wealth throughout the Neighborhoods of the Late Classic Maya Polity of Lower Dover, Belize
- 113-g Stanton Morse, Marisol Cortes-Rincon and Jeremy McFarland—Digitizing Previously-Recorded Archaeological Survey Areas on a Budget: How Technical Illustrations in Inkscape Are Advancing the Field
- 113-h Zachary Cooper, Damien Marken and Douglas Perez—Woot There It Is: Ground-Truthing LiDAR Survey Results at El Peru-Waka', Petén, Guatemala

[114] POSTER SESSION ■ ADVANCES IN GIS APPLICATIONS TO ARCHAEOLOGICAL RESEARCH

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

- 114-a Mary Mailler and Spencer Mitchell —Satellite Imagery and Esri's ArcGIS Pro's Georeferencing Tools Confirm Arkansas City, Kansas Is the Locale of Etzanao, a Historic Site Visited by Spanish Explorer, Juan Oñate, in 1601
- 114-b Brendon Murray and Patrick Mullins—GIS Analysis of Domestic Structures at the Late Moche Site of Galindo
- 114-c Kristy Primeau—Methodological Improvements in Landscape Archaeoacoustics: Exploring the Effects of Vegetation and Ground Cover
- 114-d Juliette Mitchell—Modeling Barrow Landscapes Using QGIS
- 114-e Daniel Rodriguez Osorio, Samantha Porter and Steve Kosiba—Photogrammetry Modeling and GIS Analysis at Rumiqolqa (Cusco, Peru), a Multi-ethnic Labor Colony Occupied during Inca and Spanish Colonial Rule
- 114-f Chelsea Cheney and Jason Toohey—GIS Approaches to Modeling the Shifting Andean Coastline through the Holocene
- 114-g John Duncan Hurt—GIS-Based Approaches to the Study of Castro Architecture
- 114-h Caitlin Stewart, Mark Brodbeck, Andrew Darhling and Jennifer Rich—A GIS-Approach to a Prehistoric Travel Corridor in the Phoenix Area

[115] POSTER SESSION ■ EXPERIMENTAL ARCHAEOLOGY IMPROVES ARCHAEOLOGICAL INFERENCE

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

- 115-a Somaye Khaksar and Gilbert Tostevin —Is It Only the Blank Size That Matters? The Effect of Edge Segmentation on Lithic Blank Cutting-Edge Efficiency
- 115-b Mel Miller—Post-Depositional Ridge Rounding on Banded Ironstone and the

- 115-c Condition of the Fauresmith Artifacts at Bestwood, South Africa
 Kyra Johnson, Emily Sponsel and Gilliane Monnier—A Comparison of the Surface Variation of Burned and Weathered Bone
- 115-d Melissa Ayling and Marie Hopwood—Raise Your Glass to the Past: An Experimental Archaeology of Beer and Community
- 115-e Kathleen Holen and Steven Holen—Human-Induced Percussion Technology: A Synthesis of Bone Modification as Archaeological Evidence
- 115-f Christina McSherry—Can Firing Position of WWII Soldiers Be Determined by Shell Scatters? Preliminary Data from Experimental Archaeology
- 115-g Richard Nicolas—The Ancient Lingling-O: Understanding Jade Stone Manufacture through Experimental Drilling and Scanning Electron Microscope Analysis
- 115-h Taylor Picard and Marisol Cortes-Rincon—Prehistoric Weapon Perimortem Damage Documentation
- 115-i Georgia Oppenheim, Amanda Stricklan, Rahab Kinyanjui, Sarah Hlubik and David Braun—Phytolith Analysis of Experimental Fires: Insights into the Prehistory of Fire
- 115-j Brittany Hundman, Alyssa M. Tate and Jonathan Heile—Oops, I Touched It Again: Debunking Myths and Misconceptions of Radiocarbon Dating Sample Collection

[116] POSTER SESSION ■ EXPERIMENTAL ARCHAEOLOGY IN THE AMERICAS

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

- 116-a David Walton—Obsidian Tool Functions at Early Formative Altica, Mexico
- 116-b Michelle Bebber—A Comparative Functional Analysis of Old Copper Culture Utilitarian Implements via Artifact Replication, Materials Testing, and Ballistic Analyses
- 116-c Macy Ricketts, Naomi Ward and Todd Surovell—DNA-Based Determination of Microbial Community Structure in Soils from the La Prele Mammoth Site
- 116-d Brian Holguin and Scott Sunell—Evaluating Material-Specific Responses to Heat Treatment in the Santa Barbara Channel Region
- 116-e Kristina Gaugler—Heating Stones: An Experimental and Ethnographic Analysis of Fire Cracked Rock at Two Monongahela Sites in Southwestern PA
- 116-f Hector Salazar and Anthony Graesch—On Making Kw'ets'tel and Interpreting the Remnants: An Archaeological and Experimental Archaeological Study of Stó:lō - Coast Salish Slate Fishing Knives
- 116-g Emily Milton and Joshua Schwartz —Not Something to Grind Your Teeth Over: Experimental Mounting of Enamel for Stable Isotopic and Microscopic Analysis
- 116-h Mary Erick—Obsidian Sourcing and the Origins of the Black Mountain Redoubt Site, Wyoming
- 116-i Kirsty Escalante—Multifunctional Obsidian Blades: Exploring Use-Wear of Maya Blades from the Quiché Basin, Guatemala
- 116-j Charles Edwards—Food and Cooking at Dust Cave: An Experimental and Microarchaeological Approach
- 116-k Caitlin Bishop and Katherine Jorgensen—Shattered: Conducting Experimental Archaeology to Better Diagnose Contact Period Lithics
- 116-l Nancy Williams, Miriam Belmaker and Danielle Macdonald—Squeaky Clean: An Experiment to Test the Usefulness of Cleaning Agents on Silicon Dental Impression Molds
- 116-m Aaron Cathers—Determining the Provenance of Freshwater Sponge Spicule Inclusions in Pre-Columbian Amazonian Ceramics

- 116-n Carly Whelan—An Acorn in the Hand Is Worth Two in the Granary: The Effect of Decay Rates on Food Storage Preferences in Prehistoric California

[117] POSTER SESSION ■ EXPERIMENTAL ARCHAEOLOGY IN THE U.S. SOUTHWEST

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

- 117-a Lucas Hoedl, Wendel Navenma and Jeremy Navenma—Experimental Construction and Traditional Maintenance: Pathways to Practice in Ruins Stabilization
- 117-b Alexandra Covert—Some Like It Hot: Prehistoric Heat Treatment of Petrified Wood
- 117-c Evangelia Tsesmeli and David Eck —Does Mastication Damage Cultural Resources? A New Mexico Perspective
- 117-d Jarrett Holsten, Katherine Brewer, Shannan Rael, Emmanuel Macias and Ashley Harris—Ovens Aren't Just for Food: Experimenting to Determine the Materials Used in a 19th Century Spanish Oven
- 117-e Megan Laurich, Wyatt Benson, Natalie Patton and Chrissina Burke—Are You a Tool? A Zooarchaeological Analysis of Worked Bone from Wupatki National Monument
- 117-f Michael Jeu and Heather Smith—A Spatial Analysis of a Knapper's Replication of Debitage Debris from Hunter-Gatherer Camp and Hunting Sites
- 117-g Sara Anderson—Examining Female Status and Craft Production in Chaco Canyon: Bone Spatulate Tool Use-Wear Analysis

[118] POSTER SESSION ■ APPLYING ARCHAEOLOGY, MAKING A DIFFERENCE

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

- 118-a Jennifer Carballo and Barbara Fash—The Mesoamerican Laboratory Ceramic Type Collections Project at Harvard University's Peabody Museum of Archaeology and Ethnology
- 118-b Clare Kreuzwieser and Paul Nick Kardulias—The Elephanta Caves: Avenues for Their Future Preservation in Digital Preservation and Public Outreach
- 118-c Dana Sukau and Virginia L. Butler —Use of Backwards Design to Assess Public Engagement at the Archaeology Roadshow, Portland, Oregon
- 118-d Anthony Gilchrist—The Impact of Humans on Shipwrecks in Lake Winnepesaukee, New Hampshire
- 118-e Sheldon Skaggs, Brian Gil, Nicole Diaz, Peter Cherico and Terry Powis—In the Third Degree: Modeling and Photogrammetry at the Ancient Maya Site of Pacbitun, Belize
- 118-f Adesbah Foguth—A Case Study in the Use of Photogrammetry for Management, Public Outreach, and Research Potential
- 118-g Steven Campbell—Integrating Public Archaeology and Technology to Convey the History of the Mt Tabor AME Zion Church and Its Community
- 118-h Carlyn Stewart—Why We Need Public Archaeology Specialists: Beyond Shards and Dinosaurs
- 118-i Alexander Smith, Nathan Hayes, Vincent Feucht and Chris Matagne—The Excavations at Frost Town: Public Archaeology at a 19th Century Logging Settlement
- 118-j Terence Clark—Using Augmented Reality to Increase Collections Access: Examples from the University of Saskatchewan Archaeological Collections

- 118-k Laura Stelson—Following in the Footsteps of the National Geographic Society's Original Katmai Expeditions

[119] POSTER SESSION ■ NEW FRONTIERS IN ARCHAEOLOGY EDUCATION AND OUTREACH

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

- 119-a Bernardo Renteria, Sera Young, Ryan Zagala, Bobby Laudeman and Zach Maier—Developing an Archaeology Simulation via the Unity Engine
- 119-b Lara Lloyd—How Adequate Is the Etiquette? An Example from Mesa Verde National Park
- 119-c Raquel Romero—Tribal Youth Engagement: Establishing a Model for Archaeological Outreach
- 119-d Lydia Michel—Adapting Project Archaeology Curriculum in Southern New Mexico
- 119-e Aksel Casson—Role-Playing Games in the Introductory Archaeology Classroom
- 119-f Thomas Penders—Archaeologists for Autism: 5 Years and Counting of Bringing Archaeology to Children and Young Adults on the Autism Spectrum

[120] POSTER SESSION ■ NEW APPLICATIONS OF REMOTE SENSING IN ARCHAEOLOGICAL RESEARCH

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

- 120-a Lara Noldner, Brennan Dolan and Janee Becker—Cultural Resource Protection in Iowa Using Hand-Held LiDAR Technology
- 120-b Jennie Sturm, Wetherbee Dorshow and W.H. Wills—Using Remote Sensing to Re-evaluate Prehistoric Land Use in Chaco Canyon, New Mexico
- 120-c Ted Parsons—New Alternatives to Terrestrial Laser Scanning: The Case of Poorly-Lit Features and Sites
- 120-d William Wadsworth and Kisha Supernant —Little Cabins on the Prairie: Preliminary Results from Geophysical Exploration and Archaeological Survey of the Chimney Coulee Métis Wintering Site, Canada
- 120-e Manda Adam, Zachary Stanyard and Fred Valdez—Detection of Water Management Systems Using LiDAR at Las Abejas, Belize
- 120-f William Feltz, Patrick Mullins and Brian Billman—Ciudad de Dios: An Analysis of Destruction Using Drone Technology
- 120-g Samuel Hemsley—Down By the River Side: A LiDAR-Based Settlement Survey in the Belize River Valley
- 120-h Denise Frazier—Identification of Altars at Angamuco in Michoacán, Mexico Using Geospatial Analysis of LiDAR Data
- 120-i Alven Miller—Recording the NDVI of Sagebrush with the Use of a UAS in Relation to Sites at Lowry Pueblo
- 120-j Neeshell Bradley-Lewis, Larry R. Kimball and Keith C. Seramur—The Use of Geophysics to Image Structures at Broyhill Mound (31CW8)
- 120-k Austin Hill, Jesse Casana and Elise Jakoby Laugier—Archaeo-rover: A Low-Cost Robotic System for the Collection of Geophysical Data

[121] POSTER SESSION ■ HOT TOPICS IN FORENSIC ARCHAEOLOGY

Room: Hall 3

 Thursday Afternoon, April 11, 2019

Time: 5:00 PM–7:00 PM

Participants:

- 121-a Monet Watson, Rhonda Quinn and Scott Warnasch—The Geochemical Profile of the Woman in the Iron Coffin, a Mid-19th C. Burial in Queens, New York City
- 121-b Britney Radford, Kirsten Green, Keith Biddle, Meradeth Snow and Elena Hughes—The Use of Forensic Anthropology Methods in Historic Cases
- 121-c Samantha Blatt, Amy Michael, John Dudgeon, Rebekah Rakowski and Kateea Peterson—Altered States: Evaluating Postmortem Modification of Dental Tissues
- 121-d Katherine Baca—An Overview of Forensic Trophy Skull Analysis in Montana
- 121-e Shannon Freire—Exploring Targeted Postmortem Investigative Practices at the Milwaukee County Poor Farm Cemetery

[122] POSTER SESSION ■ ARCHAEOLOGY UNITED: COLLABORATIONS, PARTNERSHIPS, AND ENGAGEMENT

Room: Hall 3

Time: 5:00 PM–7:00 PM

Participants:

- 122-a Erin Baxter, Steve Nash, Michele Koons, Deborah Huntley and Octavius Seowtewa—Kiva Collaboration – The Toriette Lakes Great Kiva Project: Excavation, Oral History, Augmented Reality and Other Things We Should All Be Doing
- 122-b Paul Ermigiotti, Mark Varien, Leigh Kuwanwisiwma and Grant Coffey—The Pueblo Farming Project: A Hopi-Crow Canyon Archaeological Center Collaboration
- 122-c Steven Hackenberger and Jon Shellenberger —Cultural Landscape Studies: Central Washington Yakama Nation Partnerships
- 122-d Katherine Tipton and Nikki Mills —Student-Driven Case Studies of Private Collector Collaborations: From the San Luis Valley of Colorado to Portland, Oregon
- 122-e Molly Kamph—Ralph S. and Rose L. Solecki Papers and Artifacts Project: A Case for Collaboration between Archival and Artifact Collections
- 122-f Hannah Julia Paredes, Olivia Navarro-Farr and Mary Kate Kelly—Community Engagement in Archaeology through Photogrammetry
- 122-g Esmeralda Ferrales, Kalib Sorenson, Shannon Cowell and Kelly Jenks—Collaborative Research at the 19th-Century Settlement of La Parida, Socorro County, New Mexico
- 122-h Beth Padon—Partners for Archaeological Site Stewardship
- 122-i Elena Sesma—Mapping Place and Materializing Memory: Contemporary, Collaborative Archaeology in the Bahamas
- 122-j Audrey Lindsay—Fire Effects at the Honda Ridge Rock Art Site, Vandenberg Air Force Base, California
- 122-k Christopher Moore, Mark J. Brooks, Albert C. Goodyear, Terry A. Ferguson and James Feathers—Geoarchaeological Investigations at White Pond, Elgin, SC

[123] POSTER SESSION ■ TEMYIQ TUYURYAQ: COLLABORATIVE ARCHAEOLOGY THE YUP'IT WAY

Room: Hall 3

Time: 5:00 PM–7:00 PM

Chair: Kristen Barnett

Participants:

- 123-a Cameron Huftalen and Colleen O'Loughlin —Identification and Classification of

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- the Environmental Microbiome of the Temyiq Tuyuryaq
- 123-b Eliot Chalfin-Smith and Beverly Johnson—Temporal Studies of Salmon Isotopes at Temyiq Tuyuryaq
- 123-c Precious Johnson and April Hill—Cultural Identity, Subsistence, and the Potential for Epigenetic Research in Togiak, Alaska
- 123-d Wilky Joseph and Sofie Sogaard—E-Week: Youth Collaboration within an Indigenous Framework
- 123-e Mari Sato—Micro-residues: Developing a Geochemical Baseline for Archaeological Analysis at Temyiq Tuyuryaq
- 123-f Sophia Marion—The Connections within Togiak: An Attempt to Further Understand Colonial Impacts on a Multigenerational Village
- 123-g Kristen Barnett—Governing Powers: Conceptualizing Research Sovereignty in Archaeology

[124] POSTER SESSION ■ PARTNERS AT WORK: PROMOTING ARCHAEOLOGY AND COLLABORATION IN THE CHIRICAHUA MOUNTAINS

Room: Hall 3

Time: 5:00 PM–7:00 PM

Chair: Kristina Whitney

Participants:

- 124-a Michelle Martin—Historians in Action: Historical Research and Enhanced Interpretation at Chiricahua National Monument and Fort Bowie National Historic Site
- 124-b Loa Traxler—Stories among the Chiricahua Mountains
- 124-c Kristina Whitney—Creating Context: How Developing Local Relationships Enriches Archaeological Knowledge
- 124-d Ann Huston and Kristina Whitney—Interpreting a Temporary Buffalo Soldier Camp in Chiricahua National Monument
- 124-e Emma Cook—A Brief History of Apache Occupation at Chiricahua National Monument
- 124-f Joseph Birkmann, Christopher Merriman and Nicholas Hlatky—Late Archaic (San Pedro Phase) Occupation in Niagara Canyon, Chiricahua National Monument: Results of the 2017 UNM/NPS Excavations
- 124-g Savanna Moore—Bonita Canyon: A Chronology of Prehistoric Occupation and Predictive Analysis of Archaic Sites

[125] POSTER SESSION ■ COMMUNITY MATTERS: ENHANCING STUDENT LEARNING OPPORTUNITIES THROUGH THE DEVELOPMENT OF COMMUNITY PARTNERSHIPS

(Sponsored by the Student Affairs Committee)

Room: Hall 3

Time: 5:00 PM–7:00 PM

Chair: Mary Prasciunas

Participants:

- 125-a Mary Prasciunas, Cristin Lucas, Lea Mason-Kohlmeyer, Helen O'Brien and David Stephen—Community Matters: Enhancing Student Learning Opportunities through the Development of Community Partnerships
- 125-b Stephanie Egurrola—Land Use in the Burro Creek-Pine Creek Survey Area based on Ceramic Analysis
- 125-c Kyle Eckerstrom and Emiliano Walker—The Point of the Project: Analysis of Projectile Point Data in the Burro Creek/Pine Creek Wilderness
- 125-d Margaret Fye and Wolfgang Whitney-Hul—Twenty-nine Wash Excavations and Collaboration AZ BB: 5:127 (ASM)

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- 125-e Joseph Garcia-Fox and Jesse Ballenger—Prehistoric Land Use in the Upper San Simon Valley and Chiricahua Mountains: A View from the Finley and Sally Richards Projectile Point Collection
- 125-f Emiliano Walker, Christian Mathews and Jeffrey Jones—Pima Community College Excavation at the Dairy Site, AZ AA:12:285 (ASM)
- 125-g John Pearson and Ashley D'Elia —A Look at the Artifact Assemblage from the Dairy Site Marana, Arizona
- 125-h Jon Boyd—Footprint Analysis of the Sunset Road Rillito Fan Site, AZ AA:12:788(ASM)
- 125-i Daniel Montoya, Helen O'Brien and Pearce Paul Creasmen—Challenges and Successes of Mapping Royal Tombs and a Newly Discovered Mound Feature Using a Total Station at Nuri, Sudan
- 125-j Helen O'Brien and Cristin Lucas—100 Years Later: Georeferencing Early Maps and Present Day Field Work at the Site of Nuri, Sudan
- 125-k Rebekah Thimlar and Lea Mason-Kohlmeyer—The National Register of Historic Places and the Stations of the Cross Trail - Eligible?
- 125-l Tineke Van Zandt, Helen O'Brien and Timothy Watkins—What Can We See from Here? Hilltop Sites Northwest of Prescott, Arizona and Their Local and Regional Connections

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

Room: Hall 3

Time: 5:00 PM–7:00 PM

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

Participants:

- 126-a Paul R. Duffy, Julia Giblin, Györgyi Parditka and László Paja—Trial by Fire: Lessons from the 2015-2018 BAKOTA NSF-REU Field School
- 126-b Heleinna Cruz, Réka Péter, Jaime Ullinger and László Paja—Burning beyond Color: Analysis of Bone Calcination in Cremated Burials from Bronze Age Hungary
- 126-c Erika Danella, Kylie Williamson, Jaime Ullinger, Julia Giblin and László Paja—Distribution of Cranial and Postcranial Elements in Bronze Age Cremation Urns from Eastern Hungary
- 126-d Crystina Friese, Jaime Ullinger, Julia Giblin and László Paja—Burning Up and Breaking Up: Understanding Heat-Induced Bone Modifications in a Hungarian Bronze Age Cemetery
- 126-e Aras Troy and László Paja—Identifying Differences in Funerary Practice from the Distribution of Fracture and Warping Found on Cremated Human Remains at a Bronze Age Cemetery
- 126-f Teresa Godinez, Paul R. Duffy and Györgyi Parditka—Channeling the Stylist Within: A Comparative Analysis of Bronze Age Ceramic Design Structure in Eastern Hungary
- 126-g Ákos Mengyán, Zachary Bible, Paul R. Duffy and Györgyi Parditka—Styles for Miles: A Regional Analysis of Ceramic Design Elements in Bronze Age East Hungary
- 126-h Alyssa McGrath and Mark Golitko—Chemical and Mineralogical Examination of Surface Encrustations on Middle Bronze Age Pottery from Békés 103, Eastern Hungary
- 126-i Julia Giblin, Dante Ayala, Tamás Hajdu, Gabriella Kulcsár and Viktória Kiss—Bronze Age Burials from the Carpathian Basin: New Isotope Results

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[127] POSTER SESSION ■ NOVEL STATISTICAL TECHNIQUES IN ARCHAEOLOGY I (QUANTARCH I)*(Sponsored by SAA Quantitative Methods and Statistical Computing in Archaeology Interest Group [QUANTARCH])***Room:** Hall 3**Time:** 5:00 PM–7:00 PM**Chair:** Erik Otarola-Castillo**Participants:**

- 127-a Michael Aiuvalasit and Ian Jorgeson—Modeling Regional-Scale Vulnerabilities to Drought through Least Cost Analyses: An Archaeological Case Study from the Jemez Mountains, New Mexico
- 127-b William Brown—Inferences about and Inferences from: A Comparison of Kernel Density Estimation and Latent Mixture Modeling in Demographic Temporal Frequency Analysis
- 127-c Hilary Duke, Amy Fox, Andrew Riddle and Sonia Harmand—Shaping Hominin Cognition: A Comparative Three-dimensional Shape Analysis of LCTs and Cores from the Early Acheulean at Kokiselei 4, West Turkana, Kenya
- 127-d Raven Garvey—Simulation and the Identification of Archaeologically-Relevant Units of Analysis in the Study of Prehistoric Cultural Transmission
- 127-e Nicolas Gauthier—Generalized Additive Mixed Models for Archaeological Networks
- 127-f Carolina Gonzalez, Jake Harris, Curtis Marean, Daniel Joyce and Erik Otarola-Castillo—A 3D Geometric Morphometric Comparison of Bone Surface Modifications on Proboscidean Assemblages from the Western Great Lakes
- 127-g Ian Jorgeson, Ryan Breslawski and Abigail Fisher—Evaluating Chronological Hypotheses by Simulating Radiocarbon Datasets
- 127-h Kathryn MacFarland—Analyzing Similarity of Animal Style Art in Iron Age North Central Eurasia: A New Way to Study Continental Expression of Religious Symbolism
- 127-i Alejandra May, Evalyn Stow, John Rapes, Benjamin Schiery and Erik Otarola-Castillo—The Effect of Climate Change on the Niche Space of North American Proboscideans
- 127-j Angel Nihells, Melissa Torquato, John Rapes, Matthew E. Hill and Erik Otarola-Castillo —Climate Change and the Foraging-Farming Transition on the Great Plains
- 127-k John Rapes, Jesse Wolfhagen, Max Price and Erik Otarola-Castillo—ZooaRchGUI: Novel Implementations to the Statistical Package for Archaeologists in the R Programming Language
- 127-l Jonathan Scholnick, Viviana Amati, Jessica Munson and Habiba Habiba —Using Event History Methods to Analyze the Diffusion of Dynastic Rituals in Classic Maya Society
- 127-m Melissa Torquato—The Effects of Climate Change and Risk on the Foraging-Farming Transition in North America
- 127-n Li-ying Wang and Ben Marwick—Investigating Craft Specialization and Pottery Standardization Using Geometric Morphometry of Vessel Shapes from Iron Age Northeast Taiwan

[128] POSTER SESSION ■ NOVEL STATISTICAL TECHNIQUES IN ARCHAEOLOGY II (QUANTARCH II)*(Sponsored by SAA Quantitative Methods and Statistical Computing in Archaeology Interest Group [QUANTARCH])***Room:** Hall 3**Time:** 5:00 PM–7:00 PM

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Chair: Jesse Wolfhagen

Participants:

- 128-a Paul Burnett—Evaluating Archaeological Predictability Across the Western United States
- 128-b Kasey Cole and Peter Yaworsky—Application of a Novel Machine Learning Methodology to the Study of *Dipodomys* spp. Response to El Niño Southern Oscillation Events throughout the Holocene
- 128-c Danny Gregory and Lauren Walls—Using Digital Data for a Landscape Approach at Fort Campbell, Kentucky and Tennessee
- 128-d Matthew Harris and Mary Lennon—Estimating the Effect of Endogenous Spatial Dependency with a Hierarchical Bayesian CAR Model on Archaeological Site Location Data
- 128-e Kenneth Kvamme—Isolating the Principal Dimensions of Settlement
- 128-f Simon Paquin, Samuel Seuru, Ariane Burke and François Girard—How Precise Are My Survey Data? GNSS Receivers Test and Comparison
- 128-g Kelsey Reese—All for Drone and Drone for Free: A Free and/or Open-Source Workflow for UAV Imagery Collection and Analysis
- 128-h Benjamin Schiery, Paul Burnett, Lawrence Todd, and Erik Otarola-Castillo—Comparing the Performance of Machine Learning and Traditional Approaches to Archaeological Site Modeling and Prediction
- 128-i Samuel Seuru, Liliana Perez and Ariane Burke—Dynamic Simulation of Large Herbivore Distribution during the Last Glacial Maximum: Implications for the Distribution of Human Populations
- 128-j Amy Way and Amy Tabrett—New Simulation Tools for the Design and Assessment of Subsurface Testing Programs: Dig It Design It and Dig It Check It
- 128-k Peter Yaworsky, Kenneth Vernon, Simon Brewer, Jerry Spangler and Brian Coddling—Evaluating the Efficacy of Regression and Machine Learning Models to Predict Prehistoric Land-use Patterns
- 128-l Ryan Breslawski—Evaluating Differential Animal Carcass Transport Decisions at Regional Scales using Bayesian Mixed-Effects Models
- 128-m Jacob Harris, Andrew Bishop, Christopher Brooke, Kim Hill and Curtis Marean—Archaeological Applications of Optimal Foraging Theory: Employing Bayesian Probability Modeling to Estimate Profitability Parameters for Rare and Extinct Prey
- 128-n Evalyn Stow, Desiree Clark, Jacob Harris, Curtis Marean and Erik Otarola-Castillo—Quantitative Analysis of Bone Surface Modifications on the Bowser Road Mastodon and Its Implications for the Human Predation of North American Megafauna
- 128-o Jesse Wolfhagen—Exploring Seasonal Aspects of Past Herding Systems Using Bayesian Modeling of Animal $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ Enamel Isotopic Profiles

[129] POSTER SESSION ■ A MULTIDIMENSIONAL MISSION: CROSSING CONFLICTS, SYNTHESIZING SITES, AND ADAPTING APPROACHES TO FIND MISSING PERSONNEL**Room:** Hall 3**Time:** 5:00 PM–7:00 PM**Chairs:** Jesse Stephen, Dane Magoon and Kelley Esh**Participants:**

- 129-a Jesse Stephen, Nicole Rhoton, David Brown, Matthew Leavesley and Jason Kariwiga—Hitting Huggins' Roadblock: Confronting the Challenge of Recovering the Missing from a World War II Battlefield in Oro Province, Papua New Guinea
- 129-b Dane Magoon, Mark Smith, Andrea Palmiotto, Allison Campo and Kimberly Maeyama—The Intersection of Multiple Conflicts: The Excavation of an F-4C Crash Site in the Midst of the Dien Bien Phu Battlefield

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- 129-c Kelley Esh, Sabrina Ta'ala and Owen O'Leary—A Tale of Two Bombers: Forensic Recovery of WWII-era Aircraft Crash Sites in the Jungles of Papua New Guinea
- 129-d Kimberly Maeyama and Megan Ingvaldstad—Creative Problem-Solving for Unconventional Conditions: Archaeological Recovery of a WWII Aircraft Crash Site, Ko'olau Mountain Range, Island of O'ahu, State of Hawaii, U.S.A.
- 129-e Laurel Freas and Kelley Esh—"Inconceivable!": Innovation and Improvisation on a WWII-Era Aircraft Crash Site in the Swamps of Papua New Guinea
- 129-f Meghan-Tomasita Cosgriff-Hernandez, Dane Magoon and Ryan Taira—Getting the Job Done: Case Resolution in the Field, from Investigation through Recovery, at Site GM-05585, a Low-Angle B-17G Crash Site in Sachsen Anhalt, Germany
- 129-g Kara Davis and Jeneva Wright—Sustainable Archaeology: Accelerating DPAA's Mission through Technological Advancement, Partnerships and Collaboration, and Meaningful Public Engagement
- 129-h Eric Young, Piotr Bojakowski and Richard Wills—Underwater Archaeology at DPAA: Efforts to Address U.S. Military Loss Incidents
- 129-i Joshua Toney, Robert Thompson, Anthony Hewitt and Michael Desilets—History, Archaeology, and the Lost Marines of Guadalcanal

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[130] SYMPOSIUM ■ RECENT RESEARCH ON EARLY CHINESE BORDERLAND CULTURES AND ARCHAEOLOGICAL MATERIALS

Room: 23 Nambe

Time: 6:00 PM–7:30 PM

Chairs: TzeHuey Chiou-Peng and Xiaohong Wu

Participants:

- 6:00 Yan Sun—Bronzes, Mortuary Ritual and the Rise of Political Power in the NE Frontier of Ancient China: A Case Study of Upper Xiajiadian Burials
- 6:15 Jianfeng Cui and Rui Min—Scientific Analysis of Metals from the Yinsuodao Site, Yunnan Province
- 6:30 Zhilong Jiang—Recent Research on the Settlement Sites of the Dian Culture of Yunnan: Excavations at Xueshan and Shangxihe Sites
- 6:45 Shanshan Wei—A Study of Flexed Burials in the Central Lake Region of Yunnan: from Neolithic to Bronze Age
- 7:00 Xiaohong Wu and TzeHuey Chiou-Peng—Exploring the Emergence of the Dian (Shizhaishan) Culture: A View from Settlement Study
- 7:15 Yan Sun—Discussant

[131] SYMPOSIUM ■ BONES AND BURIALS IN PHILADELPHIA: THE ARCH STREET PROJECT'S MULTIDISCIPLINARY RESEARCH

Room: 28 Santo Domingo

Time: 6:00 PM–7:45 PM

Chair: George Leader

Participants:

- 6:00 Nicholas Bonneau—The Patient Work of Patient History: The Creation of Medical Records for Eighteenth and Nineteenth Century Interments at the First Baptist Church of Philadelphia Burial Ground
- 6:15 Sharon Moses—Putting a Face on History: Using Forensic Facial Reconstructions and Imagery in the Arch Street Project
- 6:30 George Leader, Kimberlee Moran, Jared Beatrice, Nicholas Bonneau and Anna Dhody—Funerary Hardware in 18th and 19th Century Philadelphia: What Can Be Used as an Indication of Wealth from the Arch Street Site?
- 6:45 Beatrix Dudzik, Taylor Beckmann, Michelle Donohue, Johnny Cebak and Paul Wood—Lipidomic Analysis of Arch Street Project Brain Tissue
- 7:00 Allison Grunwald—Ten Right-Sided Sheep Femora and Other Peculiarities: What To Make of the Arch Street Faunal Assemblage
- 7:15 Anna Dhody, Jennifer Klunk, George Leader, Kimberlee Moran and Nicholas Bonneau—Searching for Biomarkers in Dental Calculus in the Arch Street Project Skeletal Remains
- 7:30 George Leader—Discussant

[132] DEBATE ■ MISCOMMUNICATION AND THE FANTASTIC IN ARCHAEOLOGY

(Sponsored by SAA Media Relations Committee)

Room: 29 Sandia

Time: 6:00 PM–8:00 PM

Moderator: Andrea Vianello

Participants:

- Nezahualcoyotl Xiuhtecutli—Discussant
- Andrew Lawler—Discussant
- Robert H. Tykot—Discussant

- [133] ELECTRONIC SYMPOSIUM ■ THE MIDDLE ATLANTIC REGIONAL TRANSECT APPROACH TO CLIMATE CHANGE IMPACTS ON ARCHAEOLOGICAL RESOURCES**
Room: 21 Jemez
Time: 6:00 PM–8:00 PM
Chair: Carole Nash

Participants:

Gregory Lattanzi—Look What Just Washed Up on the Jersey Shore: Climate Change and Its Impacts on Submerged Sites in New Jersey
Heather Wholey—Archaeology on Sheppard's Island: Predictive Modeling and Heritage Preservation in Delaware's Inter-Tidal Zone
Julia King—Sea Level Rise, the Chesapeake Bay Bolide, and Managing Threats to Archaeological Sites in Coastal Maryland
Michael Barber—Time and Tide Wait for No Man: Responses to Sea Level Rise on Virginia's Eastern Shore
Chris McDaid—Monitoring and Managing Eroding Archaeological Resources
Carole Nash—Climate Change Impacts on Archaeological Sites of the Middle Atlantic Uplands (U.S.)
Scott Seibel—Katie Bar the Door: The Time for Archaeologists to Respond to Climate Change Impacts is Shorter than We Think

- [134] ELECTRONIC SYMPOSIUM ■ TOWARDS A STANDARDIZATION OF PHOTOGRAMMETRIC METHODS IN ARCHAEOLOGY: A CONVERSATION ABOUT 'BEST PRACTICES' IN AN EMERGING METHODOLOGY**
Room: 10 Anasazi
Time: 6:00 PM–8:00 PM
Chairs: Luke Stroth and Mario Borrero

Participants:

Leszek Pawlowicz—3D or 2-1/2D? Comparing 3D Photogrammetry and Reflectance Transformation Imaging
David Brown, Mark D. Willis and Chester P. Walker—More Than Pretty Pictures: A Decade of Aerial Imagery And Photogrammetry in Northern Ecuador
Matthew Howland and Thomas E. Levy—Digital Deforestation: DTM Generation with Agisoft Photoscan
Rachel Fernandez—Digital Curation of Photogrammetric Data
Joshua Myers and Alex Badillo—Bethel Cemetery: Photogrammetric Field Methods in Burial Excavation
Katherine Shurik—Digitization of Small Artifacts
Amy Hair, Gabriel Wrobel and Jack Biggs—The Maya Cranial Photogrammetry Project: A Look at Ethics and Best Practices
Mario Borrero and Luke Stroth—Methods for the Application of Structure from Motion (SfM) 3D models for the Recording and Consolidation of Archaeological Architecture.

- [135] ELECTRONIC SYMPOSIUM ■ NEW PERSPECTIVES ON HERITAGE PROTECTION: ACCOMPLISHING GOALS**
Room: 140 Aztec
Time: 6:00 PM–8:00 PM
Chairs: Martin McAllister and J. M. Adovasio

Participants:

Stanley Bond—ARPA and Confidentiality in the Digital Age
 Kayla Bradshaw—New Perspectives on Cultural Heritage Protection Informed by Public Opinion Surveys
 Liv Fetterman—How Can Archaeologists Better Engage the Public, Tribes, Land Managers, Law Enforcement Officers and Prosecutors Regarding the Importance and Relevance of Heritage Protection?
 Brent Kober, Suzanne Hayden and Martin McAllister—Why Is There No American Convention on the Protection of the Archaeological Heritage?
 Phyllis Messenger—Archaeologists' Role in New Approaches to Heritage Studies and Heritage Protection
 Daniel Odess—Rethinking Site Significance to Improve Preservation and Protection
 Ryan Seidemann—State-Level Law and Prosecutorial Interest in Archaeological Resources Protection

[136] ELECTRONIC SYMPOSIUM ■ SINS OF OUR ANCESTORS (AND OF OURSELVES): CONFRONTING ARCHAEOLOGICAL LEGACIES

(Sponsored by Archaeology Division of the American Anthropological Association)

Room: 115 Brazos

Time: 6:00 PM–8:00 PM

Chairs: April Beisaw, Katie Kirakosian and David Witt

Participants:

Katie Kirakosian—Out of Site, Out of Mind: Women's Hidden Labor and the Making of Modern American Archaeology
 Liz Quinlan—"... and his wife Sally": The Binford Legacy and Uncredited Work in Archaeology
 Bernard Means—Start the Presses? John Alden Mason as Mesoamericanist and a Reluctant New Deal Archaeologist in the 1930s
 Melody Pope—Glenn A. Black and the Lessons of Big Site/Big Science Archaeology
 William Meyer and Kristen Barnett —Does the Archaeology Curriculum Condemn Us to Repeat the Sins of the Past?
 April Beisaw—Archaeologists as Indian Advocates? Lessons from Skinner, the Little-Weasel, and Moorehead, the Indian Commissioner
 Ryan Wheeler, Bonnie Newsom and Chris Sockalexis—Sacred Places and Contested Spaces in Maine: the Long Shadow of Colonialist Science in the Light of Repatriation
 Jenifer Lewis and David Witt —Arthur C. Parker: Legacies of a Seneca Archaeologist
 Sara L. Gonzalez and Ora Marek Martinez —Good Medicine: Prescriptions for Indigenous Archaeological Practice
 Kassandra Rippee and Stacy Scott —Changing Tides: Tribal Engagement in Oregon's Coastal Archaeology

[137] FORUM ■ VISUALIZING PLANTS: PRODUCTIVE WAYS TO PRESENT ARCHAEOBOTANICAL DATA

Room: 16 Acoma

Time: 6:00 PM–8:00 PM

Moderators: Christine A. Hastorf, Katherine Chiou and Geoffrey Taylor

Participants:

Alan Farahani—Discussant
 Lucas Proctor—Discussant
 Sonia Zarrillo—Discussant
 Neil Duncan—Discussant

Amanda Logan—Discussant
Kenneth Chiou—Discussant

[138] FORUM ■ SANNA v2.2 – EXPANDING SOCIAL ARCHAEOLOGY IN THE NORTH AND NORTH ATLANTIC

Room: 22 San Juan

Time: 6:00 PM–8:00 PM

Moderators: Kevin Smith, Michele Smith and Elie Pinta

Participants:

Kathryn Catlin—Discussant
Robert Losey—Discussant
Annalisa Hppner—Discussant
Claire Alix—Discussant
Sven Haakanson—Discussant
Karen Ryan—Discussant
Matthew Walls—Discussant
Cameron Turley—Discussant

[139] FORUM ■ LOOKING TO THE FUTURE OF TRAINING ARCHAEOLOGISTS: ALIGNING CURRICULA WITH WORKFORCE NEEDS

Room: 70 Tewa

Time: 6:00 PM–8:00 PM

Moderators: Karin Larkin and Sarah Barber

Participants:

Teresa Moyer—Discussant
Duane Peter—Discussant
Carol Ellick—Discussant
Michelle Slaughter—Discussant
Sarah Chicone—Discussant
Donald Weir—Discussant
Holly Norton—Discussant

[140] FORUM ■ MEDICAL NEEDS OF ARCHAEOLOGY FIELD CAMPS — IMPROVING READINESS AND RESPONSE

Room: 110 Galisteo

Time: 6:00 PM–8:00 PM

Moderators: Kurt Eifling and Carla Klehm

Participants:

Carla Klehm—Discussant
Catherine Cameron—Discussant
Danny Zborover—Discussant
Seth Hawkins—Discussant
Elisabeth Hildebrand—Discussant
Becca Peixotto—Discussant
Matthew Emerson—Discussant

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[141] SYMPOSIUM ■ TWO APPROACHES TO ARCHAEOLOGICAL JADES: SOURCE CHARACTERIZATION AND SOCIAL VALUATION
Room: 31 Santa Ana**Time:** 6:00 PM–8:00 PM**Chair:** Gina Barnes**Participants:**

- 6:00 Gina Barnes—The Geology of Nephrite Jade in China and Its Sourcing for Archaeological Comparisons
- 6:15 Tatsuki Tsujimori—Geological Knowledge about Jadeite Jade (Jadeitite) for the Study of Jadeitite Artifacts
- 6:30 Yoshiyuki Iizuka—Nephrite Jade Mapping in Southeast Asian Prehistory: Petrological and Mineralogical Study of Stone Artifacts
- 6:45 Chung Tang and Maya H. Tang—Raw Material Procurement and Production Technologies of Turquoise and Nephrite Jade in Prehistoric China
- 7:00 Lasse Sørensen—Jadeitite Axes in the Aegean and Anatolia—The Emergence of a New Network
- 7:15 Lauren Glover—Jade and the Illusion of Jade: Gokok and Magatama in Korea and Japan from 250–700CE
- 7:30 Tsuimei Huang—Jade Ear Ornaments with Human-Animal Motif from Prehistoric Taiwan — Design, Technology and Symbolism
- 7:45 Ilona Bausch—Cultural Biographies of Japanese Jades: Temporal and Spatial Variability during the Jomon Period

[142] SYMPOSIUM ■ WOMEN OF VIOLENCE: WARRIORS, AGGRESSORS, AND PERPETRATORS OF VIOLENCE
Room: 270 Ballroom C**Time:** 6:00 PM–8:00 PM**Chairs:** Maryann Calleja and Debra Martin**Participants:**

- 6:00 Maryann Calleja—The Invisibility of Violent Women
- 6:15 Pamela Stone—Warrior-Women: Strategic Use of Violence by Women Moving towards a Broader Understanding of the Poetics of Violence
- 6:30 Mark Toussaint—Gendered Trouble: Reconsidering the Role of Females in the Masculinized Spaces of Violence in an Early Bronze Age Population
- 6:45 Antonio Redon—Female Warriors of the Viking Age
- 7:00 Ryan Harrod, Debra Martin and Pamela Stone—Often the Victims, Occasionally the Aggressors: The Role of Women in Warfare and Raiding in the Ancestral Pueblo World
- 7:15 Al Schwitalla, Marin Pilloud and Terry Jones—Women Warriors among Central California Hunter-Gatherers: Egalitarians to the Last Arrow
- 7:30 Kathlyn Cooney—Do Women Rule Differently? Lessons from the Ancient Egyptian Patriarchy
- 7:45 Barbara Roth—Discussant

[143] SYMPOSIUM ■ LOST IN TRANSITION: SOCIAL AND POLITICAL CHANGES IN THE CENTRAL SOUTHERN ANDES FROM THE LATE PREHISPANIC TO THE EARLY COLONIAL PERIODS
Room: 230 Pecos**Time:** 6:00 PM–8:00 PM**Chairs:** Cléa Moulin and Abel Traslaviña**Participants:**

- 6:00 Romuald Housse—Conquer the South: From the First Contacts to the

- 'Integration'. Study of the Defensive Settlement Patterns' Evolutions and Modifications between the Late Intermediate Period and the Late Horizon in the Tacna Region
- 6:15 Cléa Moulin—Tambo Colorado before the Inca Administrative Center: Study of the Socio-political Developments of the Pisco Valley during the Late Intermediate Period and the Late Horizon
- 6:30 Abel Traslaviña—Water Social Relations in Transition: Local Populations and Foreign Empires in Tension over Natural Resources in Mid and Lower Lurin Valley, Peru
- 6:45 Raymond Hunter—Periodizing Andean Colonialism: A Comparison of Archaeological and Historical Data From Markaqocha, Cusco, Peru
- 7:00 Noa Corcoran Tadd—Continuity and Hiatus in the Archaeology of Mobility: A Case Study from Southern Peru/Northern Chile
- 7:15 Nathaniel VanValkenburgh—Discussant
- 7:30 Sofia Chacaltana-Cortez—Discussant
- 7:45 Marco Curatola-Petrocchi—Discussant

[144] SYMPOSIUM ■ PENINSULAR SOUTHERN EUROPE REFUGIA DURING THE MIDDLE PALEOLITHIC

Room: 210 Tijeras

Time: 6:00 PM–8:00 PM

Chairs: Milena Carvalho and Nuno Bicho

Participants:

- 6:00 Lawrence Straus—Discussant
- 6:15 Effrosyni Roditi and Britt Starkovich—Were Neandertals the Original Snowbirds? Zooarchaeological Evidence from Greece
- 6:30 Keiko Kitagawa, Dario Massafra and Filomena Ranaldo—Neanderthals in Porto Selvaggio, Southern Italy
- 6:45 Cristina Real, Carmen María Martínez-Varea, Yolanda Carrión and Ernestina Badal—Human Adaptability to Fauna and Flora Changes during MIS 5-3. Is the Iberian Mediterranean Region a Refuge?
- 7:00 Pedro Horta, Joao Cascalheira and Nuno Bicho—Neanderthal Ecological Niche in Iberia's Southwestern Edge: New Data from the Gruta da Companheira Site
- 7:15 Jonathan Haws—Late Pleistocene Refugia and Neanderthal Extinction in Southern Iberia
- 7:30 Milena Carvalho, Emily Lena Jones, David Meiggs and Jonathan Haws—A Stable Isotopes Analysis of Ungulate Remains from Lapa do Picareiro: An Assessment of Refugia Concepts during the Middle Paleolithic and Transition to Upper Paleolithic
- 7:45 Joao Cascalheira, Célia Gonçalves and Nuno Bicho—Assessing the Spatial Patterning of Middle Paleolithic Human Settlement in Westernmost Iberia

[145] GENERAL SESSION ■ FROM SHAKERS TO PIRATES: HISTORICAL ARCHAEOLOGY IN NORTH AMERICA

Room: 32 Tesuque

Time: 6:00 PM –8:00 PM

Chair: Elizabeth Hoag

Participants:

- 6:00 Elizabeth Hoag—The Shaker Dig: Community Archaeology in Shaker Heights, OH
- 6:15 David Breetzke—"Quickly, bring me some wine, so that I may wet my mind and say something clever." Understanding the Viticulture Industry in Kentucky, Ohio

Thursday Evening, April 11, 2019

- and Indiana
- 6:30 Megan Willison and Kevin McBride—Domesticity, Trade, and Warfare: An Analysis of Three Early 17th Century Indigenous Domestic Sites in Southern New England
- 6:45 Kelton Sheridan—Buying Into It: A Study of Economic Engagement on the Eastern Pequot Reservation
- 7:00 Dusti Bridges and Kurt Jordan—Toward a Household Archaeology of the Onöndowa'ga:' (Seneca Iroquois) White Springs Site, circa 1688-1715 CE
- 7:15 Laura Galke—Evolving Narratives of Mother Washington
- 7:30 Christopher Moore, Richard Jefferies and Elizabeth Straub—Shells and Sherds: Insights into the Historical Landscapes and Mission Period Site Distributions on Sapelo Island, Georgia
- 7:45 Charlotte Goudge—Of Pirates and Pilots: The Impact of Climate on Illicit and Survival Behaviour on the Fringes of Global Society

[146] GENERAL SESSION ■ DAILY LIFE OF THE ANCIENT MAYA**Room:** 220 Ruidoso**Time:** 6:00 PM–8:00 PM**Chair:** Justine Shaw**Participants:**

- 6:00 Santiago Juarez—The Late Preclassic Households of Noh K'uh, Chiapas Mexico
- 6:15 Flavio Silva De La Mora—Beyond the Palace Walls: Daily Life and Domestic Activities during the Late Classic in the Maya Lowlands (600-875 CE)
- 6:30 Els Barnard—Rags and Riches: Wealth Inequality at Late Classic Uxul, Campeche
- 6:45 Luis Pacheco-Cobos, Amy Thompson, Carmen Cortez, Bruce Winterhalder and Keith M. Prufer—The Effects of Households and Labor Requirements on Intracommunity Boundary Formation, Settlement Choices, and Neighborhood Functions in Modern and Prehistoric Communities
- 7:00 Céline Lamb and Joana Cetina Batún—Morir para renacer: Funerary Rituals of Pregnant Women in Chunhuayum, Yucatan
- 7:15 Anna Bishop—Preliminary Results from La Luna: A Late Classic Residential Group at El Zotz
- 7:30 Jocelyne Ponce and Francisco Pérez—El Jobillo Settlement Cluster: A Classic Maya Neighborhood?
- 7:45 Justine Shaw—Surviving the Apocalypse: A Late Terminal Classic Household in Northern Yucatan

[147] GENERAL SESSION ■ THE ARCHAEOLOGY OF THE GREAT PLAINS**Room:** 25 Navajo**Time:** 6:00 PM–8:00 PM**Chair:** Andrea Kruse**Participants:**

- 6:00 Luc Litwinionek, Stance Hurst and Eileen Johnson—Islands on the Plains Revisited: GIS-Based Predictive Models of Playa Use on the Southern High Plains
- 6:15 Douglas MacDonald and Matthew Nelson—The Role of Geomorphology and GIS in the Identification of Paleoindian Archaeological Sites at Yellowstone Lake, Wyoming, U.S.A.
- 6:30 Kelly Morgan—The Significance of Stone Features on the Northern Plains: Criteria A-D and Other Issues
- 6:45 Andrea Kruse—A Great Plains Early Archaic Site Understanding from Lithic

- Debitage Analysis
- 7:00 Shannon Koerner and Bretton Giles—An Assessment of Central Plains Tradition Ceramic Variation in the Flint Hills Region of the Eastern Plains, USA
- 7:15 Jason LaBelle—Of Hearth and Home: Investigating Site Structure at the Fossil Creek Site, an Early Ceramic Camp in Larimer County, Colorado
- 7:30 Travis Jones—Huff Village Revisited: A New Radiocarbon Chronology for a Pivotal Time
- 7:45 Reid Farmer, Jon Kent and Allan Koch—Current Research at Cherokee Mountain Rock Shelter, Douglas County, Colorado

[148] LIGHTNING ROUNDS ■ AGRO-PASTORAL ADAPTATIONS TO HOLOCENE CLIMATE CHANGE IN THE GREATER NEAR EAST

Room: 27 Picuris

Time: 6:00 PM–8:00 PM

Moderators: Isaac Ullah and Bulent Arikan

Participants:

Isaac Ullah—Discussant

Bulent Arikan—Discussant

Thomas E. Levy—Discussant

[149] SYMPOSIUM ■ WHAT HAVE YOU DONE FOR US LATELY?: DISCRIMINATION, HARASSMENT, AND CHILLY CLIMATE IN ARCHAEOLOGY

Room: 280 Ballroom A

Time: 6:00 PM–8:15 PM

Chairs: Lindsay Der, Anne Duray and Thea De Armond

Participants:

- 6:00 Dillon Gisch—Images of Aphrodite, Sexual Desire, and the 'Chilly Climate' of Classical Archaeology
- 6:15 Thea De Armond—Drawing the Line: Does Sexual Harassment Training Work?
- 6:30 Rebecca Gibson—Representation Matters: Disabled Professorship and a Move Toward a Higher Standard of Accessibility in the Office and the Field
- 6:45 Elizabeth Hannigan and Laura Heath-Stout—Affording Archaeology: How the Cost of Field School Keeps Archaeology Exclusive
- 7:00 Kate Kreindler—Having It All in the Field: Families, Inclusivity, Career Development, and Archaeological Fieldwork
- 7:15 Catherine Jalbert—"The Chilly Climate Is Not Warming as the Old Guys Leave": Identity-Based Discrimination in Archaeology, an Example from Canada
- 7:30 Lindsay Der, Thea De Armond and Anne Duray—From Margin to Center: Bias and Discrimination in Archaeology
- 7:45 Chelsea Blackmore—Discussant
- 8:00 Questions and Answers

[150] SYMPOSIUM ■ NAT'AAH NAHANE' BINA'JI O'HOO'AH: DINÉ ARCHAEOLOGISTS & NAVAJO ARCHAEOLOGY IN THE 21ST CENTURY

Room: 240 La Cienega

Time: 6:00 PM–8:15 PM

Chair: Wade Campbell

Participants:

6:00 Kerry Thompson—Held Hostage by a Paradigm

6:15 Timothy Wilcox—Diné te'saa łitsxo bik'ah dash chá'ii dajíi la: Navajo Gobernador

Thursday Evening, April 11, 2019

- Polychrome Pottery
- 6:30 Alicia Becenti—A Zooarchaeological Analysis of Diné Hunting Traditions
- 6:45 Wade Campbell—Na'nilkad béé na'niltin: The Early Navajo Pastoral Landscape Project (Phase 1) – Experimental Ethnoarchaeology on the Navajo Nation
- 7:00 Davina Two Bears—Researching My Heritage: The Old Leupp Boarding School Historic Site and Navajo Survivance
- 7:15 Rechanda Lee—'ASHĹ'Ó YÓHOOĹ'AAH (Learning to Weave): The Cultural Transmission of Technological Style in Navajo Textiles
- 7:30 William Tsosie—Discussant
- 7:45 Ronald Towner—Discussant
- 8:00 Richard Begay—Discussant

[151] SYMPOSIUM ■ ARCHAEOLOGY OF THE GRAND CANYON-PARASHANT NATIONAL MONUMENT**Room:** 15 Zuni**Time:** 6:00 PM–8:15 PM**Chairs:** Daniel Perez and William Willis**Participants:**

- 6:00 Christine Nycz—An Historic Summary of Parashant National Monument, Arizona
- 6:15 Karen Harry and William Willis—Puebloan Occupation of the Shivwits Plateau, North Rim of the Grand Canyon
- 6:30 William Willis, Haley Dougherty, Joseph Curran, Eric Fries and Benjamin Van Alstyne—Specialized Production Sites among the Virgin Branch Puebloan People? New Findings in Shivwits Plateau Archaeology on the Parashant National Monument
- 6:45 Alexandria Flynn, Karen Harry and Leilani Lucas—Puebloan Subsistence Patterns on the Shivwits Plateau, North Rim of the Grand Canyon
- 7:00 Daniel Perez—Substance and Subsistence: A Use-Wear Analysis on Ground Stone from the Virgin Branch Puebloan Region
- 7:15 Benjamin Van Alstyne—Examining the Architectural Technology at Lava Ridge Ruin, Arizona
- 7:30 Sachiko Sakai—The First Excavation of a Pithouse Site in the Mt. Trumbull Area
- 7:45 Chad Rankle, Sachiko Sakai, Alondra Garcia and Enadina Lozano—Geochemical Characterization of Sediments for the Understanding of Site Occupation History in Mt. Trumbull
- 8:00 Marty Kooistra—Utilizing Cumulative Viewshed Analysis to Explore Virgin Branch Ancestral Pueblo Settlement Choice

[152] SYMPOSIUM ■ WHERE IS PROVENANCE? BRIDGING METHOD, EVIDENCE, AND THEORY FOR THE INTERPRETATION OF LOCAL PRODUCTION**Room:** 17 Apache**Time:** 6:00 PM–8:15 PM**Chairs:** Sherman Horn and Linda Howie**Participants:**

- 6:00 Jillian M. Jordan, Jaime Awe and Julie Hoggarth—Practice and Place: Ceramic Technology and Social Boundaries in the Late to Terminal Classic Belize River Valley
- 6:15 Mary A. Davis—Defining and Exploring Local Production in the Indus Civilization: A Focus on Gradation and Value
- 6:30 Peter Day—Discussant
- 6:45 Bernadette Cap—Made in a Marketplace: A Comparison of Stone Tools Crafted from Local and Non-Local Raw Materials in Classic Maya Marketplaces of the

- Mopan River Valley, Belize
- 7:00 Sherman Horn—Taking the Thumb Off the Scale: Identifying Local Production in the Middle Preclassic Maya Lowlands
- 7:15 Theodore Marks—Sourcing Etendeka Dolerites in the Stone Age of Namibia
- 7:30 William Gilstrap, Michael Callaghan and Daniel Pierce—Pottery, Practice and Provenance. Interpreting Ceramic Data from the Middle Preclassic Site of Holtun, Guatemala
- 7:45 Grant McCall—Discussant
- 8:00 Linda Howie—Seeing the Forest for the Trees: Some Observations on Petrographic Indicators of Residential Mobility Patterns in Canadian Great Lakes and Arctic Regions

[153] SYMPOSIUM ■ FRONTIERS IN ANIMAL MANAGEMENT: UNCONVENTIONAL SPECIES, NEW METHODS, AND UNDERSTUDIED REGIONS

Room: 19 Isleta

Time: 6:00 PM–8:15 PM

Chair: Martin Welker

Participants:

- 6:00 Eric Jones and Martin Welker—Spatiotemporal Analysis of Regional and Sub-regional Dog Size Data in Pre-Columbian North America
- 6:15 Tom Fowler, Carly Ameen and Naomi Sykes—Exploring Hare Introductions and Management
- 6:30 Natalia Przelomska, Adrienne Kaepler, Jim Groombridge, Logan Kistler and Rob Fleischer—Ethnoornithological and Genomic Perspectives on Royal Hawaiian Featherwork
- 6:45 Martin Welker, Alison Foster and Eric Tourigny—Pioneering Poultry: A Morphometric Investigation of Domestic Chickens (*Gallus gallus*) in Preindustrial North America
- 7:00 Richard George, Stephen Plog, Adam Watson, Kari Schmidt and Douglas J. Kennett—Archaeogenomic Evidence from the American Southwest Points to a Pre-Hispanic Scarlet Macaw Breeding Colony North of the Endemic Neotropical Range in Mexico between 900 And 1200 CE
- 7:15 Evin Grody—Bodies Shaping Bodies: Using Butchery to Trace Human-Animal Relationships
- 7:30 Nicolas Delsol—Maya Butchers in Santiago de Guatemala: A Technological Analysis of the Disassembling of Cattle in Colonial Guatemala
- 7:45 Martin Welker—Discussant
- 8:00 Questions and Answers

[154] SYMPOSIUM ■ EMPIRICAL APPROACHES TO MOBILE PASTORALIST HOUSEHOLDS

Room: 60 Chaco

Time: 6:00 PM–8:15 PM

Chairs: Jean-Luc Houle, Oula Seitsonen and Natalia Égüez

Participants:

- 6:00 Katherine Grillo, Mary Prendergast, Agness Gidna, Audax Mabulla and Daniel Contreras—The Communalities of Pastoralist Life: Perspectives on Household Organization at the Pastoral Neolithic Site of Luxmanda, Tanzania
- 6:15 Elizabeth Brite—Home-making in the Khorezm Oasis (Karakalpakstan, Uzbekistan)
- 6:30 Claudia Chang—The Square or the Round? Agro-pastoral Household Structure in Southeastern Kazakhstan
- 6:45 Henny Piezonka, Olga Poshekhonova, Vladimir Adaev and Aleksey Rud—Earth

Thursday Evening, April 11, 2019

- House, Chum and Reindeer Shed: Ethnoarchaeological Research on Household and Settlement Organization of Mobile Hunter-Fisher-Reindeer Herders in Western Siberia
- 7:00 William Gardner and Jargalan Burentogtokh—New Insights on Mobile Pastoralist's Household Ritual Activity: Early Observations from the Excavation of a Mongol Period Ephemeral Dwelling in Northern Mongolia
- 7:15 Natalia Égüez, Tammy Buonasera, Jean-Luc Houle and Jamsranjav Bayarsaikhan—Investigating Fatty Acid Profiles in Sediments. Household and Activity Areas in Western Mongolia Winter Campsites
- 7:30 Jean-Luc Houle, Natalia Égüez, Oula Seitsonen, Lee Broderick and Jamsranjav Bayarsaikhan—Resilient Herders: Continuity and Change in Pastoral Household Life in Mongolia
- 7:45 Arnau Garcia, Héctor A. Orengo, Tania Polonio and Josep M. Palet—Archaeology of High-Mountain Pastoral Campsites in the High-Pyrenees
- 8:00 Oula Seitsonen—Taskscapes of Reindeer Herding: Changes in the Land-Use Dynamics and Campsite Organization of the Sámi Pastoralists of Northern Fennoscandia c. 700–1800 AD

[155] SYMPOSIUM ■ MONUMENTAL SURVEYS: NEW INSIGHTS FROM LANDSCAPE-SCALE GEOPHYSICS**Room:** 65 Hopi**Time:** 6:00 PM–8:15 PM**Chairs:** Bret Ruby, Friedrich Lueth and Timothy Darvill**Participants:**

- 6:00 Scott Hammerstedt, Marc Levine and Amanda Regnier—Multisensor Geophysical Survey of Monte Albán's Main Plaza
- 6:15 Michael Strezewski and Staffan Peterson—Magnetometry Survey at the Mann Site: A Rich New Dataset on Hopewell Ceremonialism
- 6:30 Bret Ruby, Friedrich Lueth, Rainer Komp, Jarrod Burks and Timothy Darvill—Hopewellian Woodhenges: Recent Research at Hopewell Culture National Historical Park
- 6:45 Timothy Darvill—Woodhenges in Northwest Europe
- 7:00 Friedrich Lueth—Changing the Picture – 1000 Hectare High Resolution Magnetometry on the Protected Zone of a World Heritage Site at Avebury, UK
- 7:15 Lukas Goldmann, Friedrich Lueth and Rainer Komp—The Magnetic View of a Princely Landscape
- 7:30 Jarrod Burks—Moving up in the World: Comparing Magnetic Gradiometer Survey Results from Monumental Sites Using Small, Medium, and Large Magnetometer Systems
- 7:45 Timothy Darvill—Discussant
- 8:00 Questions and Answers

[156] SYMPOSIUM ■ NEW EVIDENCE, METHODS, THEORIES, AND CHALLENGES TO UNDERSTANDING PREHISTORIC ECONOMIES IN KOREA**Room:** 120 Dona Ana**Time:** 6:00 PM–8:15 PM**Chair:** Ha Beom Kim**Participants:**

- 6:00 Seungki Kwak—Subsistence Strategy, Pottery Use, and the Role of Animal Hunting on the Neolithic Korean Peninsula
- 6:15 Hyunsoo Lee—Early-Middle Holocene Resource Use and Niche Construction in Jeju Island, Korea

- 6:30 Geun Tae Park, Chang Hwa Kang and Jae Won Ko—Subsistence Economy and Paleoenvironment of Neolithic Islanders in Jeju, Korea
- 6:45 Gyoung-Ah Lee—Sustained Farming in the Nam River Valley, South-central Korea, through the Mumun/Bronze to Early Historical Periods
- 7:00 Questions and Answers
- 7:15 Ha Beom Kim and Sook-Chung Shin—Examining Recent Archaeological Findings at the Bronze Age Korean Settlement of Jungdo Using an Economic Perspective
- 7:30 Rachel Lee, Martin Bale and Jade D'Alpoim Guedes—Assessing Agricultural Strategies in Prehistoric Korea through Climate and Landscape Models
- 7:45 Rory Walsh—Mahan Political Economy: Evidence from Ceramic Geochemistry
- 8:00 Sungjoo Lee—Technological Transmission between Different Levels of Specialization in Proto-historic NE Asia

[157] SYMPOSIUM ■ ARCHAEOLOGY OUT-OF-THE-BOX: INVESTIGATING THE EDGE OF THE DISCIPLINE

(Sponsored by Institute for Field Research)

Room: 275 Ballroom B

Time: 6:00 PM–8:30 PM

Chairs: Hans Barnard and Ran Boytner

Participants:

- 6:00 Ran Boytner—Introduction: Out-of-the Box Archaeology Session
- 6:15 Susan Phillips—Radical Stratigraphy: A Century of Los Angeles Graffiti
- 6:30 Anthony Graesch—Tossed Cigarettes, Illegal Dumps, and Soiled Cardboard: An Archaeology of Illicit, Invisible, and Seldom-Studied Discard Phenomena in the Twenty-First Century
- 6:45 Peter Gould—Archaeology and Contemporary Capitalism
- 7:00 Justin Walsh and Alice Gorman—Archaeology in a Vacuum: Obstacles to and Solutions for Developing a Real Space Archaeology
- 7:15 Jason De Leon—Old Methods and Theories in the Ethnographic Present: Why We Need An Archaeological Sensibility in the 21st Century
- 7:30 Barra O'Donnabhain—Plus ça Change: Archaeology and Incarceration
- 7:45 Ivan Vasilev—Funding Archaeology and Heritage Conservation in Postcommunist Bulgaria and Beyond
- 8:00 Scott Fitzpatrick—Discussant
- 8:15 Hans Barnard—Discussant

[158] SYMPOSIUM ■ OLMEC MANIFESTATIONS AND ONGOING SOCIETAL TRANSFORMATIONS IN THE TUXTLAS UPLANDS: A VIEW FROM MATACANELA

Room: 20 Laguna

Time: 6:00 PM–8:30 PM

Chair: Marcie Venter

Participants:

- 6:00 Marcie Venter—Matacanela in Its Regional and Cultural Context
- 6:15 Gibrán Becerra and Marcie Venter—Vestigios de lo olmeca en la montaña. Contexto y contraste del depósito de hachas de piedra verde de Matacanela
- 6:30 Kevin Wann, Lacy Risner and Marcie Venter—An Examination of Middle Formative through Early Classic Ceramic Attributes from Stratified Contexts at Matacanela, Veracruz
- 6:45 Marimar Becerra Alvarez and Marcie Venter—Técnica y secuencia constructiva de la arquitectura prehispánica de Matacanela, Los Tuxtlas, Ver.
- 7:00 Mauricio Cuevas and Lourdes Budar—El contexto arqueológico del Complejo

Thursday Evening, April 11, 2019

- Escultórico de La Victoria-Matacanela, Los Tuxtlas, Veracruz
- 7:15 Renee Bonzani—Carbonized Wood Remains from the Matacanela Site, Veracruz, Mexico
- 7:30 Dana Bardolph, Amber VanDerwarker and Marcie Venter—Changing Patterns of Plant Use at Formative and Classic Period Matacanela
- 7:45 Shayna Lindquist—Obsidian Production and Consumption Practices at Matacanela
- 8:00 Carl Wendt—Discussant
- 8:15 Questions and Answers

[159] SYMPOSIUM ■ THE INTANGIBLE DIMENSIONS OF FOOD IN THE CARIBBEAN ANCIENT AND RECENT PAST**Room:** 215 San Miguel**Time:** 6:00 PM–8:30 PM**Chair:** L. Antonio Curet**Participants:**

- 6:00 L. Antonio Curet—Food in Caribbean Archaeology
- 6:15 Jose Oliver—Food for the Soul & Well-being: Ruminations about the Other Face of Ancient Plant Remains
- 6:30 Christina Giovas—What Is Good to Eat Is Good to Translocate: The Intangible Dimension of Non-Native Animal Introduction and Consumption in the Pre-Columbian Caribbean
- 6:45 Sandrine Grouard and Sophia Perdikaris—From Frog to Bat: The Extraordinary Bestiary of the Pre-Columbians from the Caribbean
- 7:00 Brittany Mistretta and Michelle LeFebvre—Having Reservations: A Discussion on Recognizing the Dynamic Qualities of “Food” within Archaeological Contexts from the pre-Columbian Caribbean
- 7:15 Sophia Perdikaris and Sandrine Grouard—Saladoid Dog Burials from the West Indies
- 7:30 Kay Scaramelli—Predation and Production in the Rock Art of the Middle Orinoco: Food for Thought
- 7:45 Roberto Valcárcel Rojas and Lourdes Pérez—Indians and Africans: Food, Ethnicity and Status in Early Colonial Cuba
- 8:00 Mary Jane Berman—Discussant
- 8:15 Questions and Answers

[160] SYMPOSIUM ■ FORENSIC ARCHAEOLOGY: RESEARCH & PRACTICE**Room:** 18 Cochiti/30 Taos**Time:** 6:00 PM–8:30 PM**Chair:** Kimberlee Moran**Participants:**

- 6:00 Dana Kollmann—Hot, Cold, Above and Below: Enhanced Survey Methods in the Detection of Clandestine Graves
- 6:15 John Schultz, Megan McCollum, Kevin A. Gidusko and Patrisha L. Meyrs—Integrating Close-Range Photogrammetry Methods for Outdoor Scene Documentation of Scattered Remains
- 6:30 Christopher Eck and E. Christian Wells—A New Tool for Forensic Geoarchaeology: Sediment Fingerprinting with Geochemistry for Homicide Investigations
- 6:45 Leslie Fitzpatrick—The Intersection of Bioarchaeology and Forensic Archaeology Methodologies and Theories: A Practical Application
- 7:00 Christine Halling and Ryan Seidemann—A Case Study of Legal and Practical

- Pitfalls of Forensic Archaeology Recovery of Human Remains from a New Orleans Pauper Cemetery
- 7:15 Evelyn Grant and Dana Kollmann—Going Back and Forth: Case Studies of Historic Facial Reconstruction
- 7:30 Ann Marie Mires—Unearthing the Truth: Exhumation of a Catholic priest to establish paternity
- 7:45 Kimberlee Moran—Standards for Crime Scene Investigation: An OSAC Update
- 8:00 Denise To—The Complexities of Managing Global Forensic Archaeology with Differing Archaeological Entities, including CRM Firms, Private NGOs, University Researchers, and Field Schools in the Search for Missing US Servicemen
- 8:15 Questions and Answers

[161] SYMPOSIUM ■ CRAFTING CULTURE: THINGSSELVES, CONTEXTS, MEANINGS

Room: 235 Mesilla

Time: 6:00 PM–8:45 PM

Chairs: Uzma Rizvi and Sarah Jackson

Participants:

- 6:00 Sarah Jackson—Crafting Human/Hieroglyph Relationships in Classic Maya Contexts
- 6:15 George Lau—Making Kin out of Stone: Production of Landscape and Collectivity in Ancient Peru
- 6:30 Dawn Wambold, Eric Tebby and Kisha Supernant—Beading a Nation, Beading a People: The Role of Métis Women’s Beadwork in Crafting Culture
- 6:45 Celine Gillot and Christina Halperin—Knowledge Networks and Entanglements in the Crafting of Pre-Columbian Maya Ceramics and Architecture
- 7:00 Praveena Gullapalli—Taking Things Apart: Reconfiguring Production Practices in South India
- 7:15 Alice Yao—Salutary Failures: Bronze Age Metallurgists in China and Their Faulty Seams
- 7:30 Zoë Crossland—Rice Cultivation and the Craft of the State
- 7:45 Joshua Wright—Place Making and Ephemerality
- 8:00 Uzma Rizvi—Crafting Labor and Landscape
- 8:15 Rosemary Joyce—Discussant
- 8:30 Yannis Hamilakis—Discussant

[162] SYMPOSIUM ■ DISENTANGLEMENT: REIMAGINING EARLY COLONIAL TRAJECTORIES IN THE AMERICAS

Room: 130 Cimarron

Time: 6:00 PM–8:45 PM

Chairs: Clay Mathers, Charles Cobb and Robbie Ethridge

Participants:

- 6:00 Tom Dillehay—Anti-colonialism, State Development, and Araucanian Resilience in the South-Central Andes
- 6:15 Charles Beatty-Medina—Early Native and African Marooning in Northern South America and the circum-Caribbean
- 6:30 Alyce De Carteret—The Colonial Peten: An Ethnohistory of Indigenous Sovereignty and a Failed Spanish Colonial Project
- 6:45 Jamie Forde—Untangling Shifting Social Agendas at Colonial Achiutla, Oaxaca, Mexico
- 7:00 Jane Landers—The Material Culture of Maroon Communities in the Early Circum-Caribbean
- 7:15 Clay Mathers—Persistent, Multiscalar Disentanglement: Native-Spanish

Thursday Evening, April 11, 2019

- 7:30 Trajectories in Early Historic New Mexico
Stephen Warren—Visualizing Diaspora: Fort Ancient and Shawnee Migrations in Early America
- 7:45 Robbie Ethridge and Charles Cobb—Chicasa and Soto: Toward a Continuum of Disentanglement
- 8:00 Allan Greer—The Indigenous Colonization of New France
- 8:15 Laura Matthew—Discussant
- 8:30 Stephen Silliman—Discussant

Friday Morning, April 12, 2019

Friday Morning ■ April 12, 2019

[163] FORUM ■ WOMEN MEMBERS IN SAA, FROM 17% TO OVER 50%
Room: 140 Aztec
Time: 8:00 AM–10:00 AM
Moderator: Alice Kehoe

Participants:

Sarah Herr—Discussant
Anna Prentiss—Discussant
Anabel Ford—Discussant

[164] FORUM ■ MANAGING EDITED (BOOK) VOLUMES FOR PUBLICATION
Room: 240 La Cienega
Time: 8:00 AM–10:00 AM
Moderator: Darrin Pratt

Participants:

Allyson Carter—Discussant
Nan Gonlin—Discussant
Brett A. Houk—Discussant
Tim Kohler—Discussant
Jerry Moore—Discussant
Meredith Morris-Babb—Discussant
Rebecca Rauch—Discussant
Deni Seymour—Discussant
Charlotte Steinhardt—Discussant

[165] FORUM ■ COMPARATIVE APPROACHES FOR MAYANISTS: WHERE TO GO?
Room: 32 Tesuque
Time: 8:00 AM–10:00 AM
Moderator: Maxime Lamoureux St-Hilaire

Participants:

Maxime Lamoureux St-Hilaire—Discussant
Patricia McAnany—Discussant
Arthur Demarest—Discussant
Olivia Navarro-Farr—Discussant
Brent Woodfill—Discussant
Keith Eppich—Discussant
Rachel Horowitz—Discussant
David Mixter—Discussant
Evan Parker—Discussant
Whittaker Schroder—Discussant
Luis Muro—Discussant
Christopher Saunders—Discussant

**[166] FORUM ■ COOPERATION, COLLECTIVE ACTION, AND THE COMMONS: OSTROM FOR
ARCHAEOLOGISTS**
Room: 70 Tewa
Time: 8:00 AM–10:00 AM
Moderator: Michael Aiuvalasit

Friday Morning, April 12, 2019

Participants:

James Bayman—Discussant
 Richard Blanton—Discussant
 Lane Fargher—Discussant
 Jacob Freeman—Discussant
 Ludomir Lozny—Discussant
 Margaret Nelson—Discussant
 Alan Sullivan—Discussant

[167] FORUM ■ NOW THAT I HAVE MY DEGREE, WHAT DOES THE FUTURE LOOK LIKE AND HOW DO I PREPARE FOR IT?**Room:** 60 Chaco**Time:** 8:00 AM–10:00 AM**Moderators:** Kimball Banks and Jennifer E. Lapp**Participants:**

Charles Bello—Discussant
 Rebecca Hawkins—Discussant
 Duane Peter—Discussant
 Kristy Primeau—Discussant
 Holly Norton—Discussant
 Linda Scott Cummings—Discussant
 David Witt—Discussant
 Ann Scott—Discussant

[168] POSTER SESSION ■ ARCHAEOLOGY OF WOODLAND, MISSISSIPPIAN, AND RELATED TRADITIONS**Room:** La Sala**Time:** 8:00 AM–10:00 AM**Participants:**

- 168-a Brian Bates—The Wade Site: Evidence for Long-Distance Trade Networks in the Southern Piedmont of Virginia
- 168-b Meghan Buchanan, Elizabeth Watts Malouchos and Meghan Buchanan—Just a Grog Sherd Livin' in a Shell World: Mississippian Microhistories of Practice in Ceramic Production
- 168-c Megan Kassabaum, Anna Graham, Alexandria Mitchem, Arielle Pierson and Rebecca Dolan—Exploring the Unexpected Early Woodland Occupation at Smith Creek, Wilkinson County, Mississippi
- 168-d Kylie Williamson, George Kamenov, Neill Wallis and John Krigbaum—Geochemical Analysis of Cremated Bone from River Styx
- 168-e Sarah Hinkelman and Robert Cook—From Formal to Efficient: Variation in Projectile Point Manufacture and Morphology from the Late Woodland to Fort Ancient Period in the Middle Ohio River Valley
- 168-f Asa Randall—A Post-Archaic Public Structure on the Middle St. Johns River, Florida? A First Look at the Evidence
- 168-g Kelsey Nordine—Preliminary Results from Paleoethnobotanical Analysis of Pit Features at the Morton Village Site (11F2), Central Illinois
- 168-h Hayden Bassett, Christopher P. Chilton, Bruce J. Larson and E. Clay Swindell—Riverine Resource Subsistence in Early to Middle Woodland Saginaw Valley, Michigan: An Investigation of Site 20SA1427
- 168-i Christina Hahn—Rethinking Ceramic Attribute Technology during the Late Woodland Period in Southwest Ohio
- 168-j Melissa Baltus and Sarah Baires—Commensal Politics and Changing

- 168-k Neighborhoods: Preliminary Pottery Analyses of Cahokia's Spring Lake Tract
Keith Stephenson and Karen Smith—Deptford Settlement in South Carolina
- 168-l Reneé Erickson—Exploring Perforated Earspools of the Arkansas River Valley
- 168-m Evan Mann, Aida Romera, Roland Tremblay and Karine Taché—There Were
Pots After All: Production and Use of Ceramic Vessels in the Upper Laurentian
Region of Québec, Canada
- 168-n Anna Semon—A Regional Comparison of Complicated Stamped Pottery
Designs from Coastal Georgia
- 168-o Virginia Lucas—Faunal Exploitation Practices at Three Malabar Period Sites in
the Fox Lake Sanctuary in Brevard County, Florida

[169] POSTER SESSION ■ WOODLAND PERIOD ARCHAEOLOGY IN THE NORTHEASTERN U.S.

Room: La Sala

Time: 8:00 AM–10:00 AM

Participants:

- 169-a Eric Guiry and Trevor Orchard —Hunting Varmints, or Tasty Morsels?: An
Isotopic Survey of Iroquoian Garden Hunting
- 169-b Courtney Birkett—From the Unknown to the Known: Reexamination of a Small
Prehistoric Site in Southeastern Virginia
- 169-c Kristen Jeremiah—Written in Stone: Lithic Analysis at the Acushnet LNG Site
- 169-d Andrew Malhotra—Alliance Formation & Social Signaling: Village Interaction
among the Monongahela
- 169-e Benjamin Kolb—Learning to Knap: Apprenticeship Systems in the Early
Woodland
- 169-f Jolyane Saule—Domestic Pottery: Styles, Variation and Social Organization at
the Droulers Site
- 169-g Jessie Hoover—Beneath the Surface: A Ground-Penetrating Radar Study at the
Mary Rinn Site (36IN29)
- 169-h Kathleen Allen—Pottery Production and Community Practices: Haudenosaunee
in Central New York

[170] POSTER SESSION ■ NEW DIRECTIONS IN CARIBBEAN ARCHAEOLOGY

Room: La Sala

Time: 8:00 AM–10:00 AM

Participants:

- 170-a Marlieke Ernst and Brendan J. M. Weaver—Towards a Comparative Analysis of
African-Influenced Ceramic Motifs in the Spanish Americas: Hispaniola and Peru
- 170-b Rachel Woodcock and William Keegan —Measuring Seasonality in *Codakia*
orbicularis Clams from Lucayan Sites in the Bahamas
- 170-c Michiel Kappers, Christina Giovas and Kelsey Lowe—Preliminary Investigations
on a Coastal Caribbean Island: A Multi-proxy Environmental Study at the
Sabazan Amerindian Site, Carriacou, Grenada
- 170-d Emily Schumacher—It's a Date: A Comparison of Pipe Stem and Ceramics
Relative Dating at Christiansted National Historic Site

Friday Morning, April 12, 2019

[171] POSTER SESSION ■ FIRST FLORIDIANS TO LA FLORIDA: RECENT FSU INVESTIGATIONS**Room:** La Sala**Time:** 8:00 AM–10:00 AM**Chairs:** Tanya Peres and Jessi Halligan**Participants:**

- 171-a Laylah Roberts—Social Significance of Glass Beads at San Luis de Talimali (8Le4)
- 171-b David Wilson and Jessi Halligan—It's the Faunal Countdown! Analysis of Faunal Remains from the 2017 Excavations at the Ryan-Harley Site, Wacissa River, Florida
- 171-c Nicholas Bentley—Paleostorms and Precolonial Societies: Hurricane Deposits in Inundated Archaeological Sites in Northwest Florida
- 171-d Cameron Walker and Tanya Peres—Looking beyond the Mission: Insights from a Multicomponent Site
- 171-e Austin Cross—At What Expense? An Expanded Utility Study of Bolen Projectile Points in Northern Florida
- 171-f Taylor Townsend—An Analysis of Garbanzo Bean Remains at Mission San Luis de Talimali
- 171-g Alison Bruin—Supply and Demand: Colonoware Creation and Spanish Ideals at San Luis de Talimali

[172] POSTER SESSION ■ EXPLORING GLOBALIZATION AND COLONIALISM THROUGH ARCHAEOLOGY AND BIOARCHAEOLOGY: AN NSF REU SPONSORED SITE ON THE CARIBBEAN'S GOLDEN ROCK (SINT EUSTATIUS)**Room:** La Sala**Time:** 8:00 AM–10:00 AM**Chairs:** Todd Ahlman and Ashley McKeown**Participants:**

- 172-a Ashley McKeown, Todd Ahlman, Fred van Keulen, Nicholas Herrmann and Suzanne Sanders—Introduction to Exploring Globalization and Colonization Through Archaeology and Bioarchaeology NSF REU Site
- 172-b Gabriela Ruiz Vélez and Taylor Bowden—Analyzing Afro-Caribbean Ware from Fort Amsterdam (SE094) and Battery Rotterdam (SE129) on St. Eustatius, Caribbean Netherlands
- 172-c Melissa McCarthy—Dental Health and Activity Indicators in the Burials from the Godet Cemetery
- 172-d Kim Wile, Sydney Tucker and Alexis Baide—Mortuary Patterns of a 18th Century Cemetery on Sint Eustatius
- 172-e Kaylee Gaumnitz and Gabriela Gutierrez—Ceramic Variation between Two Caribbean Islands
- 172-f Chelsea Wanstead and Melinda Rogers—Identifying Genogeographic Affiliation of Burials from an 18th Century Cemetery on Sint Eustatius, Dutch Caribbean
- 172-g Alexis Baide—Dabbing in Time: Using Tobacco Clay Pipes to Trace Changes in Leadership of the Dutch Caribbean Island of St. Eustatius from 1680 to 1800
- 172-h James Tichy—Comparing Age-at-Death Profiles from Cemeteries on Sint Eustatius, Dutch Caribbean
- 172-i Gelenia Trinidad-Rivera—Setting the Table!: Comparative Analysis of Vessel Forms between the Fort Amsterdam and the Brimstone Hill Fortress Collections
- 172-j Sydney Tucker—Dating the Dead: A Temporal and Demographic Analysis of an Unmarked Cemetery on Sint Eustatius, Dutch Caribbean

Friday Morning, April 12, 2019

[173] SYMPOSIUM ■ LA RESTAURACIÓN DE MONUMENTOS PREHISPÁNICOS EN MÉXICO: PRINCIPIOS, PRÁCTICA, Y VISIÓN AL FUTURO**Room:** 21 Jemez**Time:** 8:00 AM–10:00 AM**Chair:** Nelly Robles Garcia**Participants:**

- 8:00 Martha Cecilia González López and Martha Lorenza López Mestas Camberos—Diagnóstico, registro y conservación interdisciplinaria en el Occidente de México: El caso del Ixtépete, Jalisco
- 8:15 Eduardo Pío Gamboa—Identificación de los valores de autenticidad e integridad en la restauración de los monumentos arqueológicos en México
- 8:30 Osvaldo Sterpone—La documentación por métodos tradicionales y tecnologías avanzadas
- 8:45 Lourdes Toscano—Pasado, presente y futuro de la conservación del patrimonio edificado de la región serrana de Yucatán: Kabah, Sayil, Xlapak y Labná
- 9:00 Jose Huchim—Avances y perspectivas de la conservación de edificios monumentales en Uxmal
- 9:15 Akira Kaneko—La excavación monumental en Yaxchilán e Iglesia Vieja, Chiapas, México
- 9:30 Nelly Robles Garcia—La Restauración Arquitectónica ante los sismos: Monte Albán 1999 y 2017
- 9:45 Pedro Sanchez—Discussant

[174] SYMPOSIUM ■ ADVANCES IN INTERDISCIPLINARY ISOTOPIC RESEARCH**Room:** 19 Isleta**Time:** 8:00 AM–10:00 AM**Chairs:** Erin Ray and Asia Alsgaard**Participants:**

- 8:00 Seth Newsome—A Common Analytical Language: Compound-Specific Isotope Analysis as a Means for Collaboration between Archaeology and Ecology
- 8:15 Emma Elliott Smith, Emily Whistler, Rene Vellanoweth, Todd Braje and Seth Newsome—Amino Acid $\delta^{13}\text{C}$ Analysis of Ancient Marine Consumers Quantifies Environmental Change in a Nearshore Ecosystem through the Late Holocene
- 8:30 Alexi Besser, Emma Elliott Smith, Jonathan Dombrosky, Thomas Turner and Seth Newsome—A Southwestern Producer Essential Amino Acid $\delta^{13}\text{C}$ Library: Potential Archaeological Applications
- 8:45 Clayton Meredith and Keith M. Prufer—Forager Mobility Patterns in Southern Belize: Preliminary Results from a Holocene-Length Record
- 9:00 Carol Woodland and Keith M. Prufer—Comparative Stable Isotopic Analyses between Dental Enamel and Bone Collagen among Central American Archaeological Samples Spanning 8,000 Years
- 9:15 Asia Alsgaard, Erin Ray, Emma Elliott Smith and Seth Newsome—Subsistence Change during the Transition to Agriculture in Southern Belize: What Amino Acid Specific Stable Isotope Analyses Can Tell Us
- 9:30 Seth Newsome—Discussant
- 9:45 Keith M. Prufer—Discussant

Friday Morning, April 12, 2019

[175] SYMPOSIUM ■ PRACTICAL APPROACHES TO IDENTIFYING EVOLUTIONARY PROCESSES IN THE ARCHAEOLOGICAL RECORD*(Sponsored by SAA Open Science in Archaeology Interest Group)***Room:** 65 Hopi**Time:** 8:00 AM–10:00 AM**Chair:** Ben Marwick**Participants:**

- 8:00 Ben Marwick and Liying Wang—Identifying Signatures of Selection in Archaeological Sequences
- 8:15 Enrico Crema, Anne Kandler and Clémentine Straub—An R Package for a Generative-Inference Based Cultural Evolutionary Analysis
- 8:30 Adam Rorabaugh—Evolution for the People: Big Data, Big Software, and How Compliance Archaeology is the Missing Link of Compliance Archaeology
- 8:45 R. Alexander Bentley—Discussant
- 9:00 Erik Gjesfjeld and R. J. Sinensky—Modeling the Dynamics of Diversification
- 9:15 Fraser Neiman—How Can Behavioral Ecology and the Analysis of Archaeological Spatial Structure Help Identify Inequality among Enslaved Households at Monticello?
- 9:30 Clemens Schmid and Ben Marwick—A Population Graph Based Style Transmission Model
- 9:45 P. Jeffrey Brantingham, Randy Haas and Todd Surovell—One Thing Leads to Another: Causal Triggering among Archaeological Events

[176] GENERAL SESSION ■ WOODLAND PERIOD ARCHAEOLOGY**Room:** 22 San Juan**Time:** 8:00 AM–9:45 AM**Chair:** Bretton Giles**Participants:**

- 8:00 Sarah Striker—The Social Dynamics of Coalescence: Community Life among the Wendat of Southern Ontario ca. 1400-1550 C.E.
- 8:15 Robert Hasenstab—The Sugartown Earthwork: A Late Prehistoric Hilltop Site in the Upper Allegheny River Drainage
- 8:30 Jack Ray and Neal Lopinot —Investigations at the Sugar Potato Workshop Site: Repeated and Long-Term Exploitation of Burlington Chert from the Pinnacles Quarry in Central Missouri
- 8:45 Timothy Everhart—A Study of Woodland Ditches
- 9:00 Emma Jones, Zoe Doubles, Esmeralda Ferrales, Kenzie May and Jason King—Monumentality and Time at the Golden Eagle Site (11C120)
- 9:15 Bretton Giles, Ryan Parish, and Marta Alfonso Durruty—Kindling “New Fires” in Ohio Hopewell Ceremonial Regimes
- 9:30 Steven Howard—Ancestral Ohio Haudenosaunee Ceramic Styles and Technology

[177] LIGHTNING ROUNDS ■ CHALLENGES IN DIGITAL AND VIRTUAL ETHICS*(Sponsored by SAA Committee on Ethics)***Room:** 20 Laguna**Time:** 8:00 AM–10:00 AM**Moderators:** Lynn Dodd and Thomas E. Levy

Participants:

George Nicholas—Discussant
 Medeia Csoba DeHass—Discussant
 Dorothy Lippert—Discussant
 Eric Hollinger—Discussant
 Desiree Martinez—Discussant
 Karimah Kennedy Richardson—Discussant
 Jeremy Huggett—Discussant
 Kate Ellenberger—Discussant
 Nicola Lercari—Discussant
 Jolene Smith—Discussant
 Mary Compton—Discussant
 Katherine Cook—Discussant
 Eric Kansa—Discussant
 Adrian Chase—Discussant
 Justin Walsh—Discussant

- [178] LIGHTNING ROUNDS ■ CULTURAL AFFILIATION UNDER NAGPRA: AN ANTHROPOLOGICAL ARCHETYPE IN THE 21ST CENTURY**
(Sponsored by SAA Committee on Repatriation)
Room: 120 Dona Ana
Time: 8:00 AM–10:00 AM
Moderators: Lauren Sieg and Nell Murphy

Participants:

Nekole Alligood—Discussant
 Juana Charlie—Discussant
 Stacy Drake—Discussant
 Heather Edgar—Discussant
 T. J. Ferguson—Discussant
 Jordan Jacobs—Discussant
 Angela Neller—Discussant
 Ricardo Ortiz—Discussant
 Ryan Seidemann—Discussant

- [179] SYMPOSIUM ■ THE FUTURE IS FLUID...AND SO WAS THE PAST: CHALLENGING THE 'NORMATIVE' IN ARCHAEOLOGICAL INTERPRETATIONS**
(Sponsored by SAA Queer Archaeology Interest Group)
Room: 25 Navajo
Time: 8:00 AM–10:15 AM
Chairs: Scotti Norman and Carla Hernandez Garavito

Participants:

8:00 Adam Zimmer—Queer (Re)Collections: How Anatomical Collections Obscure Identities
 8:15 Nathan Klembara—Queer Eye for the Cave Guy: Exploring Non-Normativity in Upper Paleolithic Burials
 8:30 Mary Weismantel—Ungendering Sex in Moche Ceramics
 8:45 Brenda Arjona and Chelsea Blackmore—Queering Colonization in Early Colonial Belize
 9:00 Kirsten Vacca—Queer Feminist Science in Hawaiian Archaeology
 9:15 Scotti Norman—The Gender(ed) Revolution: Female Priests and the Mary Magdalenas of the 16th Century Taki Onqoy Movement (Ayacucho, Peru)
 9:30 Carla Hernandez Garavito—The Witching Hour: Demonization of Female

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- Bodies and the (mis)Construction of Gender during the Spanish Evangelization of Huarochirí (Lima, Peru)
- 9:45 Katrina Eichner—Misidentification on the American Frontier: Queer Perspectives on Identity Classification in Historical Archaeology
- 10:00 Uzma Rizvi—Discussant

[180] SYMPOSIUM ■ ARCHAEOLOGICAL RESEARCH IN PETRIFIED FOREST NATIONAL PARK**Room:** 23 Nambe**Time:** 8:00 AM–10:15 AM**Chair:** William Reitze**Participants:**

- 8:00 Melyssa Johnson—Dots on the Landscape: Analysis of Site Distribution at Petrified Forest National Park
- 8:15 Cody Dalpra—Flakes Everywhere: Lithic Analysis Results from the Petrified Forest Boundary Expansion Project 2013-2017
- 8:30 Maxwell Forton—A Great House in the Petrified Forest: Iconography of a Possible Chacoan Outlier
- 8:45 Daniel Quintela—Petroglyph Panels in Isolation: Differences in Cultural Expression through Rock Art Placement in the Landscape of Petrified Forest National Park
- 9:00 Matthew Johnson—Temporal Continuity in the Petrified Forest Expansion Lands
- 9:15 Hunter Crosby—From Monument to Park: Early Infrastructure and Tourism at Petrified Forest National Park
- 9:30 Amy Schott—Geoarchaeological Assessment of Agricultural Quality in an Eolian Landscape
- 9:45 Christina Stewart—An Analysis of Ceramic Imitation and Trade at the Petrified Forest National Park
- 10:00 William Reitze—Discussant

[181] SYMPOSIUM ■ ILLUMINATED COMMUNITIES: THE ROLE OF THE HEARTH AT THE BEGINNING OF ANDEAN CIVILIZATION**Room:** 17 Apache**Time:** 8:00 AM–10:30 AM**Chairs:** Kimberly Munro and Rebecca Bria**Participants:**

- 8:00 Shelia Pozorski and Thomas Pozorski—Early Ritual and Public Hearths in the Casma Valley, Peru
- 8:15 Mark Aldenderfer—Hearths and the Early Ritual Architecture at Middle Archaic Asana
- 8:30 Bob Benfer—Astronomical Meanings in Hearths from the Middle Preceramic Villages of Paloma and the Late Preceramic Site of Buena Vista in Central, Coastal Perú
- 8:45 Eisei Tsurumi, César Sara and Carlos Morales—The Outside of the Illuminated Temple: Chamber Constructions in the Early Monumental Architecture in the Andes, Kotosh (Huanuco) and Mosquito (Tembladera)
- 9:00 Kimberly Munro—Tales from the Hearth: An Analysis of Formal versus Informal Burning Episodes at the Cosma Complex, Nepeña Valley, Peru
- 9:15 Matthew Piscitelli—No Hearth, No Problem: A Multidisciplinary Exploration of Ceremonial Architecture at Two Late Preceramic Sites in the Norte Chico Region
- 9:30 Rebecca Bria—The Legacy of Early Fire Rituals: The Social and Spatial Prominence of Hearths after Kotosh at Hualcayán, Peru

Friday Morning, April 12, 2019

- 9:45 Miriam Domínguez—Combustion as a Process of Reconfiguration of the Historical Space: The Potrero Mendieta Context in Southwestern Ecuador (~3000 BCE)
- 10:00 Francisco Valdez—Early Ceremonial Hearth Use in the Upper Amazon: Santa Anna—La Florida, Palanda, Ecuador
- 10:15 Richard Burger—Discussant

[182] SYMPOSIUM ■ FROM THE PARACAS CULTURE TO THE INCA EMPIRE: RECENT ARCHAEOLOGICAL RESEARCH IN THE CHINCHA VALLEY, PERU

Room: 28 Santo Domingo

Time: 8:00 AM–10:30 AM

Chairs: Jacob Bongers and Henry Tantaleán

Participants:

- 8:00 Charles Stanish—Buried Sites in the Chincha Valley Floodplain
- 8:15 Henry Tantaleán, Alexis Rodríguez, Irving Aragonez, Boris Orccosupa and José Román—Pozuelo: The Earliest Ceramic from Chincha Valley
- 8:30 Juliana Gómez and Henry Tantaleán—Fardos Funerarios de los Antiguos Paracas en el Valle Medio de Chincha, Costa Sur del Peru
- 8:45 Camille Weinberg, Jo Osborn and Kelita Pérez—The View from the North: Topará and Early Horizon Commoner Lifeways at Jahuay, Quebrada Topará, Peru
- 9:00 Christine Bergmann—Subsistence and Exchange in the Chincha Valley (Peru) Using Portable X-Ray Fluorescence Spectrometry
- 9:15 Jennifer Larios, Jacob Bongers, Jordan Dalton, Jo Osborn and Camille Weinberg—Chincha Mercantilism: A Preliminary Investigation into Chincha Valley Economic Organization during the Late Intermediate Period and Late Horizon
- 9:30 Jacob Bongers—Local Mortuary Practice and Inca Imperial Conquest in the Middle Chincha Valley, Peru
- 9:45 Jo Osborn, Brittany Hundman, Camille Weinberg and Kelita Pérez—Chincha-Inka Mortuary Traditions at Jahuay, Quebrada de Topará
- 10:00 Jordan Dalton—The Chincha Valley, Peru: Analyzing Its Settlement Patterns and Urban Centers
- 10:15 Daniel H. Sandweiss—Discussant

[183] SYMPOSIUM ■ LIVING AND DYING IN MOUNTAIN AND HIGHLAND LANDSCAPES

Room: 15 Zuni

Time: 8:00 AM–10:45 AM

Chairs: Jess Beck and Colin Quinn

Participants:

- 8:00 Colin Quinn and Jess Beck—A Bioarchaeological Approach to Contested Mountain Landscapes in Transylvania's Golden Quadrangle
- 8:15 Emily Zavodny—Amber Runs through It: The Centralization of Wealth and Power in Late Prehistoric Lika, Croatia
- 8:30 Michaelyn Harle and Lynne Sullivan—Ridges, Valleys, Mountains, and Plateaus: The Topographic Context of Late Mississippian Diversity in East Tennessee
- 8:45 Maya B. Krause, Tiffany A. Tung and Steve Kosiba—Dimensions of Health in the Andes: A Bioarchaeological Investigation of Morbidity Patterns in Mountain Landscapes
- 9:00 Jacqueline Eng and Mark Aldenderfer—Moving On Up: The Promise of Multiple Data Sources in Reconstructing Early Population History of High Altitude Sites

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- in Nepal
- 9:15 Elizabeth Berger and Hong Zhu—Farmers and Late Holocene Climate Change on the Edge of the Qinghai Plateau
- 9:30 Ricardo Higelin Ponce De Leon, Pedro Guillermo Ramón Celis and Alex Badillo—Zapotec Funerary Tradition: A Perspective between Bioarchaeology and Landscape Archaeology
- 9:45 Sara Marsteller—A Bioarchaeological Approach to the Social Construction of Community Identities in Mountain Landscapes
- 10:00 Elissa Bullion, Michael Frachetti, Farhad Maksudov and Ann Merkle—Believers in the Highlands: Burying the Muslim Dead at the Qarakanid Site of Tashbulak
- 10:15 Douglas Charles—Discussant
- 10:30 Michael Galaty—Discussant

[184] SYMPOSIUM ■ ARCHAEOLOGY EDUCATION: BUILDING A RESEARCH BASE**Room:** 130 Cimarron**Time:** 8:00 AM–10:45 AM**Chairs:** Erika Malo and Jeanne Moe**Participants:**

- 8:00 Elizabeth Reetz, Jeanne Moe and Elizabeth Pruitt—The Most Overlooked Component of Public Programming: Approaches to Educational Assessment
- 8:15 John Turrietta—Archaeology and Literacy: Students Journey across the American Southwest
- 8:30 Jeanne Moe—Kids and Excavations: Affordances and Constraints
- 8:45 Samantha Kirkley and Jeanne Moe—Classroom to Camp: Implementation and Assessment of Archaeology K12 Curriculum at a Girl Scouts Camp in Southeastern Utah
- 9:00 Cailey Mullins—Archaeology for the People: Community-Based Research, Hands-On Education, and their Place in Archaeology
- 9:15 Nichole Tramel—Formative Assessment of "Project Archaeology: Investigating Food and Land"
- 9:30 Erika Malo and Jeanne Moe—Building a Stronger Network: Assessing and Reconfiguring a National Archaeology Curricula Delivery Program
- 9:45 Nancy Mahoney—Stewardship and Community Outreach on the High Plains
- 10:00 Karin Larkin and Michelle Slaughter—Surveying the Utility of Field Schools in Preparing Students for Compliance Work
- 10:15 Carol Colaninno-Meeks and John Chick—Can the Field School Be Improved? Lessons Learned through Education Research of an NSF Research Experiences for Undergraduates
- 10:30 Elizabeth Pruitt—Discussant

[185] SYMPOSIUM ■ FROM INDIVIDUAL BODIES TO BODIES OF SOCIAL THEORY:**EXPLORING ONTOLOGIES OF THE AMERICAS****Room:** 220 Ruidoso**Time:** 8:00 AM–11:00 AM**Chairs:** Maria Lozada and Gordon Rakita**Participants:**

- 8:00 Peter Whitridge and Mari Kleist—Necrontology: Housing the Dead in Precontact Labrador and Greenland
- 8:15 Jason King, Jane Buikstra and Robert Pickering—Ontology, Time Travel, and Transformation in the Lower Illinois Valley
- 8:30 Neill Wallis and John Krigbaum—Movement and Animacy of Bodies in Pre-Columbian Florida

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- 8:45 Debra Martin—Pueblo Warriors, Witches and Cannibals: Indigenous Concepts of Corporeality and the Bioarchaeological Record
- 9:00 Gordon Rakita, Adrienne Offenbecker and Kyle Waller—Bodies of Evidence: Indications of Non-Western Ontologies at Paquimé, Chihuahua
- 9:15 Bethany Turner—Isotopes and the Body Politic: Estimating Residential Origins at the Imperial Inka site of Patallacta, Peru
- 9:30 Maria Lozada, Danielle Kurin and Emmanuel Gómez—Andean Indigenous Bodies: Methodological Approaches to Past Perceptions of the Body
- 9:45 Jelly Juliane Souza De Lima—Ritual Commensality in the Lower Amazon on the South of Amapá State, Brazil, During the Precolonial Period
- 10:00 Avelino Gambim Junior—Materiality of Amerindian Human Bodies in the Mouth of the Amazon River: Life and Death at the Curiaú Mirim I Site, Around the Second Millennium AD
- 10:15 Questions and Answers
- 10:30 Danielle Kurin—Discussant
- 10:45 Pamela Geller—Discussant

[186] SYMPOSIUM ■ MORE THAN SHELTER FROM THE STORM: HUNTER-GATHERER HOUSES AND THE BUILT ENVIRONMENT

Room: 29 Sandia

Time: 8:00 AM–11:00 AM

Chairs: Danielle Macdonald and Brian Andrews

Participants:

- 8:00 Amy Clark—Built Environments in the Middle and Early Upper Paleolithic
- 8:15 Kathleen Sterling and Sébastien Lacombe—Why Build When There Are Caves? Investigating the Construction and Use of a Stone Structure in Pleistocene France
- 8:30 Danielle Macdonald and Lisa Maher—A Space for Living and Dying: The Life-History of Kharaneh IV Structures
- 8:45 Lisa Maher and Danielle Macdonald—Built Environments of Epipalaeolithic Southwest Asia: A Life History of Place
- 9:00 Brooke Morgan and Brian Andrews—Architecture and Human Behavior at a Folsom Period Residential Camp
- 9:15 Mark Stiger—Archaic and Paleoindian Houses in the Southern Rocky Mountains
- 9:30 Lauren Norman—Early Thule Inuit Architecture in the Arctic: An Anchor in Migration and Movement
- 9:45 Christopher Morgan, Dallin Webb, Kari Sprengeler, Marielle Black and Nicole George—Experimental Construction of Hunter-Gatherer Residential Features, Mobility, and the Costs of Occupying “Persistent Places”
- 10:00 Matthew O'Brien, Todd Surovell and Randy Haas—Five Seasons with the Dukha: House Structure among Nomadic Herders
- 10:15 Klint Janulis, Cory Stade and Mansoor Ahmad—Give Me Shelter: Reverse Engineering a Paleolithic Home
- 10:30 Questions and Answers
- 10:45 Margaret Conkey—Discussant

[187] SYMPOSIUM ■ THE PALEOINDIAN SOUTHWEST

Room: 210 Tijeras

Time: 8:00 AM–11:00 AM

Chairs: David Kilby and Bruce Huckell

Participants:

- 8:00 David Kilby—The Hunters Were Here First: Paleoindian Research in the Greater

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- Southwest
- 8:15 Christopher Merriman—Paleoindian Settlement and Mobility in the Northern Jornada del Muerto
- 8:30 Brendan Fenerty, Vance Holliday, Allison Harvey and Matthew Cuba—Paleo-lake Otero, Playas, and Paleoindian Land-Use in the Tularosa Basin, New Mexico
- 8:45 David Bustos, Matthew Bennett, Daniel Odess, Tommy Urban and Vance Holliday—Widespread Distribution of Fossil Footprints in the Tularosa Basin: Human Trace Fossils at White Sands National Monument
- 9:00 Guadalupe Sanchez Miranda, Ismael Sánchez-Morales and John Carpenter—Current Paleoindian Research in Sonora
- 9:15 Marcus Hamilton—The Paleoeecology of the Mockingbird Gap Clovis site, New Mexico and Surrounding Region
- 9:30 Jacob Tumelaire, Samuel H. Fisher and Francis Smiley—Clovis in the Petrified Forest
- 9:45 Meghann Vance—Questioning Clovis in Southeast Utah: Late in the Game or Transitional?
- 10:00 Nicholas Hlatky—Folsom Technological Organization at the Martin Site, Central New Mexico
- 10:15 Anne Parfitt and Kathryn Cross—Archaeological Investigations at the Double Flute Folsom site (LA178142), New Mexico
- 10:30 Robert Dello-Russo and Vance Holliday—Paleoindians Beyond the Edge of the Great Plains: The Water Canyon Site in Western New Mexico
- 10:45 Bonnie Pitblado—Discussant

[188] SYMPOSIUM ■ ATTENTION TO DETAIL: A PRAGMATIC CAREER OF RESEARCH, MENTORING, AND SERVICE, PAPERS IN HONOR OF KEITH KINTIGH

Room: 275 Ballroom B

Time: 8:00 AM–11:00 AM

Chairs: Matthew Peeples and Gregson Schachner

Participants:

- 8:00 Gregson Schachner, Matthew Peeples and Sarah Oas—Keith Kintigh and the Cibola Region over the Long Term
- 8:15 Andrew Duff, Judith Habicht-Mauche, Rob Franks and Andrew Duff—Glaze-Paint Pigmenting Strategies in the Upper Little Colorado and Western Zuni Regions
- 8:30 Deborah Huntley and Suzanne Eckert—Unroofed Great Kivas, Post-Chacoan Great Houses, and Aggregation: Kintigh's Legacy as Viewed from the Lion Mountain Community
- 8:45 Donna Glowacki, Mark Varien, Grant Coffey and Kyle Bocinsky—Mesa Verde Centers and Regional Analyses: Good Stuff!
- 9:00 Scott Ingram and Shelby Patrick—A Comparative Synthesis of Depopulation in the North American Southwest, 1100 to 1450
- 9:15 Colin Grier—Stability and Change in the Construction of Place: Juxtaposing Practices on the Pacific Northwest Coast with the US Southwest
- 9:30 James Allison—Simple Statistics and Archaeological Problems
- 9:45 Wesley Bernardini—Tools for Quantitative Archaeology: Spreading Numeracy to a Generation of Southwestern Archaeologists
- 10:00 Vincas Steponaitis and Lynne Goldstein—Struggling with Complex Decision-Making in Public Policy
- 10:15 Francis McManamon—Promoting an Archaeological Perspective in Repatriation, Consultation, National Monuments, and Data Science
- 10:30 Jeffrey Altschul—Answering the Grand Challenges of Archaeology

10:45 Keith Kintigh—Discussant

[189] SYMPOSIUM ■ HISTORICAL ARCHAEOLOGIES OF THE AMERICAN SOUTHWEST, 1800 TO TODAY

Room: 31 Santa Ana

Time: 8:00 AM–11:00 AM

Chairs: Emily Dale, Erin Hegberg and S. Joey LaValley

Participants:

- 8:00 Erin Hegberg—The Ideal Site (LA 8671): A Mexican Territorial Residential Site Near Placitas, New Mexico
- 8:15 Karen Price, Alexis O'Donnell, William Marquardt and Heather Edgar—Four Down, 6,000 to Go: Processing and Researching the (not) St. Joseph's Cemetery Site Legacy Collection
- 8:30 Diane Slocum—An Investigation of Demographic and Spatial Patterns at the Fort Huachuca Cemetery, Arizona
- 8:45 Alex Howard and Mark Hackbarth—Late Nineteenth and Early Twentieth Century Hispanic Communities in the Salt River Valley
- 9:00 Margaret Hangan—Grazing on the Kaibab: Sheep Industry in Arizona
- 9:15 Jack Treichler—A Bird's-Eye View: Historic Aircraft Navigation Arrows in Northern Arizona
- 9:30 Chip Wills—Archaeology of the Wetherill Trading Post in Chaco Canyon
- 9:45 Jeremy Haines and S. Joey LaValley—The Other Black on White: Aspen Carvings of the Flagstaff Region
- 10:00 Emily Dale—In Small Things Collected: Domesticity in World War Two Era Flagstaff
- 10:15 Jordan Jarrett and Erin Hegberg—Analysis and Interpretation of the Bandelier Landfill Site: Determining the Information Potential of a Multicomponent Historic Trash Site
- 10:30 Karen K. Swope and Carrie J. Gregory—Radioactive Mineral Mining in Southeastern Utah: National Register Multiple Property Documentation Form Questions and Answers
- 10:45

[190] SYMPOSIUM ■ THE ROLE OF ROCK ART IN CULTURAL UNDERSTANDING: A SYMPOSIUM IN HONOR OF POLLY SCHAAFSMA

(Sponsored by SAA Rock Art Interest Group)

Room: 18 Cochiti/30 Taos

Time: 8:00 AM–11:15 AM

Chairs: Mavis Greer and Patricia Dobrez

Participants:

- 8:00 Radoslaw Palonka, Vincent MacMillan, Katarzyna Ciomek and Magdalena Lewandowska—Cultural Landscapes and Migrations in Sandstone Canyon, Southwestern Colorado through Pueblo and Ute Rock Art
- 8:15 Kirk Astroth, T. J. Ferguson and Caitlin McPherson—Footsteps of Hopi History or Inscriptions by Spanish Priests? The Elusive and Enigmatic Labyrinth Glyphs of the American West
- 8:30 Jennifer Huang—Out From the Center: Rock-Art of the Chaco World
- 8:45 Richard Vivian—Polly - Rock Art - and Understanding Chaco
- 9:00 Lawrence Loendorf—Rock Art Sites in the Permian Basin, New Mexico
- 9:15 Jessica Christie—Finding Context for Rock Art Images in the Southwest
- 9:30 Kelley Hays-Gilpin, Robert Mark and Evelyn Billo—Mural Ecology: Walls That Bring People Together
- 9:45 Carlos Rodriguez-Rellan and Ramón Fábregas Valcarce—Search Beneath the

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- 10:00 Rock Surface: Legend Chasers, Treasure-hunters and Rock Art in NW Spain
Livio Dobrez and Patricia Dobrez—The Uses of Stylistic Analysis in Rock Art Studies
- 10:15 Linea Sundstrom—Polychrome Perplexities: The Painted Rock Art of the Southern Black Hills
- 10:30 Mavis Greer and John Greer—Arriving at a Meaningful Rock Art Interpretation
- 10:45 Katharine Fernstrom—Can We See Travelers in Rock Art?
- 11:00 Polly Schaafsma—Discussant

[191] SYMPOSIUM ■ FILLING THE GAPS: A SYMPOSIUM IN HONOR OF FREDERICK W. LANGE
Room: 110 Galisteo
Time: 8:00 AM–11:15 AM
Chair: Carrie Dennett

Participants:

- 8:00 Richard Lange—Born to Go Far: Tracing the Footsteps of Frederick W. Lange
- 8:15 William Fowler and Payson Sheets—Arqueología sin Fronteras: Reflections on the Career of Frederick W. Lange
- 8:30 Patrick Werner and Carrie Dennett—Collaborating with Fred Lange on Nicaraguan Themes
- 8:45 Silvia Salgado—Fred Lange y la Transformación del Enfoque de la Arqueología de Guanacaste
- 9:00 John Hoopes—Evaluating La Guinea/La Ceiba, a Sapoa' Period Settlement (AD 800-1300) in the Tempisque River Valley, Guanacaste, Costa Rica
- 9:15 Mauricio Murillo-Herrera—The Barranca Site: A Multiscalar Analysis
- 9:30 Carrie Dennett and Lorelei Platz—On the Shoulders of a Giant: Unpacking the Ceramic Economy of Greater Nicoya
- 9:45 Justin Colon, Adam Benfer and Carrie Dennett—Intersocietal Trade and Exchange Networks in Greater Nicoya
- 10:00 Carlos Caro, Hector Neff, Edgar Espinoza Pérez, Marty Kooistra and Chad Rankle—Field Investigations at El Quebracho, a Sapoa'-Period Site in the Boaco Department of Central Nicaragua
- 10:15 Ana Morales-Arce—Greater Nicoya from an Ancient Molecular Perspective
- 10:30 Ronald L. Bishop—Fred Lange: Archaeologist-Collaborator
- 10:45 Questions and Answers
- 11:00 Frederick Lange—Discussant

[192] SYMPOSIUM ■ APPROACHES TO CULTURAL AND BIOLOGICAL COMPLEXITY IN MEXICO AT THE TIME OF SPANISH CONQUEST

Room: 230 Pecos**Time:** 8:00 AM–11:15 AM**Chairs:** Corey Ragsdale and Emiliano Melgar**Participants:**

- 8:00 Israel Hinojosa-Balino and Gerardo Gutiérrez—Vernacular Production of a Mesoamerican Hunting Epoxy Adhesive by a Steam Distillation and Gravitational Decantation: An Ethnoarchaeological Report
- 8:15 Emiliano Melgar and Reyna Solis—Unveiling the Artisan Secrets of the Lapidary Goods from the Great Temple of the Aztecs
- 8:30 Herve Monterrosa Desruelles—A Few Considerations Regarding Jade Circulation during the Aztec Period
- 8:45 Keitlyn Alcantara—Ingredients for Resistance: Foodways in Prehispanic and Colonial Tlaxcallan

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- 9:00 Elizabeth Konwest—Rural Exchange Networks in Postclassic Oaxaca
 9:15 Alex Badillo and Pedro Guillermo Ramón Celis—Quiechapa: A Window into the History of the Sierra Sur
 9:30 Emmanuel Gómez Ambríz and José Luis Punzo Díaz—Offerings in the Yacatas: The Funerary Objects from Tzintzuntzan Burials
 9:45 Anna Cohen—Urban Landscapes in Late Postclassic Western Mesoamerica: A View from Angamuco, Michoacán
 10:00 Estela Martínez, Guillermo Martínez Mora, Patricia Olga Hernández and Adrián Velázquez—Costumbres funerarias en la época del contacto en la Huasteca Potosina
 10:15 Andrea Cucina—Implications of the Spanish Colonization in the Evolution of Dental Morphological Structure in Maya Populations from Yucatan
 10:30 Corey Ragsdale, Cathy Willermet and Heather Edgar—Population Structure in the Valley of Mexico at the Time of Spanish Conquest
 10:45 Heather Edgar, Cathy Willermet, Corey Ragsdale and Katelyn Rusk—What the Spanish Brought with Them: Phenetic Complexity of the Spanish Population at Contact
 11:00 Frances Berdan—Discussant

[193] SYMPOSIUM ■ CHICANX ARCHAEOLOGY**Room:** 16 Acoma**Time:** 8:00 AM–11:15 AM**Chair:** Valerie Bondura**Participants:**

- 8:00 Valerie Bondura—The View from Here: An Introduction to Nuevomexicano and Chicax Theory for Archaeology
 8:15 Levi Romero—Mi Querencia: A Connection Between Place and Identity
 8:30 Troy Lovata—Chicax in the Wilderness: Tree Graffiti and Perceptions of People and Place
 8:45 Alejandro López—Strains of Different Cultures Embedded in the 400 Year Old Spanish Language of Northern New Mexico
 9:00 Heather Atherton—Betwixt and Between: Negotiating Hispanic Identity from Past to Present
 9:15 Jennifer Lucido and Scott Lydon—Where No Mestiza Has Gone Before: Brokering Colonialism, Ethnogenesis, and Gendered Landscapes in Alta California, 1775-1845
 9:30 Emily Dawson—A Global Taste: Rethinking Foodways in Colonial New Mexico
 9:45 Moises Gonzales—Genízaro Ethnogenesis and Futurism
 10:00 Isabel Trujillo and Jun Sunseri—The Pueblo de Abiquiú Library and Cultural Center as Leader in Genízaro Archaeological Investigations
 10:15 Albert Gonzalez—Chicaxperimental Archaeology: Inclusion and Inclusions in the Experimental Construction of Earthen Ovens
 10:30 Rubén Mendoza—Conjuring the Archaeology of Aztlan - Through the Looking Glass and Material Lens of the Chicana/o Counterculture, 1976-2018
 10:45 Gabriella Soto—Absent and Present: Contested Landscapes and Undocumented Migration at the U.S.-Mexico Border
 11:00 Questions and Answers

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[194] SYMPOSIUM ■ WHY PLATFORM MOUNDS? PART 1: MOUND DEVELOPMENT AND CASE STUDIES**Room:** 270 Ballroom C**Time:** 8:00 AM–11:30 AM**Chair:** Arleyn Simon**Participants:**

- 8:00 David Abbott—What We Know and What We Wished We Knew about Hohokam Platform Mounds
- 8:15 William Deaver and Mark Chenault—Archaeomagnetism and Hohokam Platform Mounds: Reframing the Classic Period Chronology
- 8:30 Christopher Caseldine—Dispersed Centrality: A Ceremonial Organization Underpinning Hohokam Platform Mound Ceremonialism
- 8:45 David Doyel—Early Hohokam Platform Mounds and Social Signaling
- 9:00 Owen Lindauer and Arleyn Simon—White, Red, and Plain Wares in the Tonto Basin: Precursor Correlate of Culture Change
- 9:15 Suzanne Fish and Paul Fish—Dimensions of Platform Mound Variability: A Tucson Basin Perspective
- 9:30 Brian Medchill, Chris Loendorf and Kyle Woodson—From Upper to Lower Santan: Platform Mound Community Organization within the Santan Canal System in the Middle Gila River Valley
- 9:45 Todd Bostwick, Douglas Mitchell and Laurene Montero—A Monument of Memories: The Pueblo Grande Platform Mound
- 10:00 Christopher Garraty, Travis Cureton, Erik Steinbach and Paula Scott—Exploring the Pre-Classic Roots of Hohokam Platform Mounds: New Evidence from La Plaza
- 10:15 Travis Cureton, John Southard, Erik Steinbach and Jacqueline Fox—Rediscovering the platform mounds of AZ U:9:165(ASM)
- 10:30 Caitlin Wichlacz—Refining Perspectives on Salado Polychrome Ceramics at Las Colinas Mound 8
- 10:45 Derek Miltimore, Christopher Caseldine and Sean Dolan—An Analysis of the Polvorón Phase Lithic Assemblage from the Mesa Grande Platform Mound in the Phoenix Basin
- 11:00 Jeffrey Dean—Discussant
- 11:15 Questions and Answers

[195] SYMPOSIUM ■ RECENT ADVANCES IN THE PREHISTORY OF LIGURIA AND NEIGHBORING REGIONS**Room:** 27 Picuris**Time:** 8:00 AM–11:45 AM**Chair:** Julien Riel-Salvatore**Participants:**

- 8:00 Julien Riel-Salvatore—Discussant
- 8:15 Julien Riel-Salvatore and Fabio Negrino—A High-Resolution Investigation of the Middle-Upper Paleolithic Transition at Riparo Bombrini (Balzi Rossi, Liguria)
- 8:30 Andrea Zerboni, Guido S. Mariani, Sahra Talamo, Fabio Negrino and Julien Riel-Salvatore—Detecting Transitions: Cultural and Environmental Changes Preserved in Archaeological Sediments from Western Liguria
- 8:45 Genevieve Pothier Bouchard, Julien Riel-Salvatore, Fabio Negrino and Michael Buckley—First Insights on Proto-Aurignacian Subsistence Behaviors at Riparo Bombrini (Liguria, Italy)
- 9:00 Fabio Negrino, Stefano Bertola and Julien Riel-Salvatore—Strategies and Tools for Managing Change. What Lithic Artefacts Tell about Neandertals and First Anatomically Modern Humans in Liguria

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- 9:15 Elena Rossoni-Notter, Olivier Notter, Suzanne Simone and Matteo Romandini—
Monaco in Prehistoric Times and Further Investigations
- 9:30 Vitale Sparacello, Stefano Rossi, Julien Riel-Salvatore, Irene Dori and
Alessandra Varalli—New Discoveries on Late Upper Paleolithic (Final
Epigravettian) Funerary Behavior at Arene Candide (Finale Ligure, Italy)
- 9:45 Ivano Rellini, Roberto Cabella, Roberto Maggi, Gabriele Martino and Marco
Firpo—An Investigation into Ochres from Arene Candide Cave: Implications for
Mineralogical Properties and Provenance Studies in the Liguria Region
- 10:00 Questions and Answers
- 10:15 Jamie Hodgkins, Fabio Negrino, Caley Orr and Julien Riel-Salvatore—An
Overview of the Mousterian and Final Epigravettian at Arma Veirana (Liguria,
Northwestern Italy)
- 10:30 Christopher Miller, Jamie Hodgkins and Fabio Negrino—A Geoarchaeological
Study of Site Formation Processes at Arma Veirana, A Palaeolithic Cave in
Liguria, Italy
- 10:45 Danylo Drohobytsky, Dominique Meyer, Julien Riel-Salvatore, Jamie Hodgkins
and Caley Orr—Forensic Methods for the 3D Reconstruction of an Infant Burial
in Arma Veirana Cave, Liguria, Italy
- 11:00 Claudine Gravel-Miguel, Julien Riel-Salvatore, Jamie Hodgkins, Caley Orr and
Fabio Negrino—An In-Depth Study of the Arma Veirana Pierced Shells and
Pendants used as Grave Goods
- 11:15 Stefano Rossi, Chiara Panelli, Irene Dori, Alessandra Varalli and Goude
Gwenaëlle—New Multi-disciplinary Studies Re-shape Our Understanding of
Neolithic Peopling and Biocultural Adaptations in Western Liguria (Northwestern
Italy)
- 11:30 Fabio Negrino—Discussant

**[196] SYMPOSIUM ■ WHEELS, HORSES, BABIES AND BATHWATERS: CELEBRATING THE
IMPACT OF DAVID W. ANTHONY ON THE STUDY OF PREHISTORY**

Room: 280 Ballroom A

Time: 8:00 AM–11:30 AM

Chair: James Johnson

Participants:

- 8:00 Bryan Hanks—Conceptualizing Eurasian Steppe Space, Place and Movement
- 8:15 Michael Frachetti, Paula Dupuy and Taylor Hermes—Diffusion, Migration, and
"Culture" in the Eurasian Bronze Age
- 8:30 Katheryn Linduff and Karen Rubinson—Horses in Iron Age Steppe Burials:
Their Enduring Socio-political Role
- 8:45 Stuart Fiedel—Leapfrog Migration: Bumpo and Beyond
- 9:00 Peter Bogucki—The Lengyel Interaction Sphere in East-Central Europe during
the Fifth Millennium BC
- 9:15 James Johnson—Assessing Connections between the Spoked Wheel and
Bronze Age Elite Social Identities
- 9:30 Adam Smith—The Stone Bridge: Obsidian Circulation and the Friction of
Persistent Frontiers
- 9:45 Douglas Campana, Pam Crabtree, Susan Johnston and Zenobie Garrett—
Recent Archaeological Research at Dún Ailinne, an Iron Age Royal Site in
County Kildare, Ireland
- 10:00 Michael Weiss—The Agricultural Lexicon of Western Indo-European: Crop
Names
- 10:15 David Reich—Genetic Insights into Indo-European Origins
- 10:30 David Anthony and Dorcas Brown—From Bit Wear to Ancient DNA: Steppe-ing
Out

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- 10:45 Guus Kroonen and Rune Iversen—The Linguistic Legacy of the Pitted Ware Culture
 11:00 David Anthony—Discussant
 11:15 Questions and Answers

[197] SYMPOSIUM ■ THE ARCHAEOLOGY OF OAXACAN CUISINE**Room:** 235 Mesilla**Time:** 8:00 AM–11:45 AM**Chair:** Veronica Perez Rodriguez**Participants:**

- 8:00 Aleksander Borejsza, Arthur Joyce and Jonathan Lohse—Food from the Barranca: A 13,000-Year Perspective from the Yuzanú Drainage of the Mixteca Alta
 8:15 Shanti Morell-Hart and Éloi Bérubé—Archaic Period MRG-6 and the Deep Culinary Roots of Oaxacan Cuisine
 8:30 Jeffrey Blomster and Victor Salazar Chavez—Foodways and Human-Animal Relations at Early Formative Etlatongo: An Ontology of Differentiation
 8:45 Sarah Barber, Arthur Joyce, Petra Cunningham-Smith and Shanti Morell-Hart—Constituting the Divine: Coastal Cuisine and Public Places in the Formative-period Lower Río Verde Valley
 9:00 Alicia Gonzales, Shunashi Soledad Victoria Bustamante, Jeffrey Blomster, Veronica Perez Rodriguez and Ricardo Higelin Ponce De Leon—The Impact of Diet and Dental Health among the Mixtec Urban Societies from the Formative Period of Oaxaca, Mexico
 9:15 Lacey Carpenter and Jonathan Paige—Tools for Change: Food Preparation Techniques during State Formation at the Tilcayete Sites
 9:30 Questions and Answers
 9:45 Ronald Fauseit and Heather Lapham—Cuisine Choices in Mundane and Ceremonial Contexts at a Late Classic Palace Compound in the Valley of Oaxaca, Mexico
 10:00 Robert Markens and Cira Martínez López—Nourishing the Ancestors among the Zapotecs, Valley of Oaxaca
 10:15 Jennifer Saumur—Foodways and Diet in the Prehispanic Mixteca Alta: Ceramic and Isotope Analyses in the Specific Case of the Tomb 1 Burial in Nduatiucu (San Felipe Ixtapa, Teposcolula)
 10:30 Marc Levine and Kathryn Puseman—Foregrounding Food: Mixtec Cuisine, Identity, and Household Ritual at Late Postclassic Tututepec, Oaxaca
 10:45 Stacie King and Shanti Morell-Hart—Preserving Oaxacan Foodways in the Face of Conquest: The Seed Bank at Cerro del Convento
 11:00 Éloi Bérubé and Jamie Forde—The Oaxacan Cuisine at Achiutla during the Early Colonial Period: A Story of Resilience
 11:15 Andrea Cuellar—Discussant
 11:30 Veronica Perez Rodriguez—Discussant

[198] SYMPOSIUM ■ AFTER CORTÉS: ARCHAEOLOGICAL LEGACIES OF THE EUROPEAN INVASION IN MESOAMERICA**Room:** 115 Brazos**Time:** 8:00 AM–11:45 AM**Chair:** Rani Alexander**Participants:**

- 8:00 Cynthia Otis Charlton and Patricia Fournier—Mirrors of Time: Figurines in the New World Order

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- 8:15 Krista Eschbach—Beyond First Encounters: Mechanisms of Social Transformation at the Colonial Port of Veracruz
- 8:30 Danny Zborover and John Pohl—"They came to loot our treasures": Indigenous, Pirates, and Indigenous-Pirates on the Mexican Pacific Coast
- 8:45 Viola Koenig—From Narrative Picture Writing Bands to Pseudo Cartographies. How Native Scribes Invented Powerful New Media after the Conquest
- 9:00 Janine Gasco—Material Culture and Technological Innovation in Colonial Soconusco, Chiapas, Mexico
- 9:15 Susan Kepecs—Lies the Spaniards Told
- 9:30 Questions and Answers
- 9:45 Hector Hernandez, Mario Zimmermann and Rani Alexander—Landscape with Bees: Apiculture in Yucatán after the Spanish Invasion
- 10:00 Timothy Pugh, Evelyn Chan and Katherine Miller Wolf—The Peal of Domination at San Bernabé, Petén, Guatemala
- 10:15 James Meierhoff—350 Years after the Conquest: British Influences on a Multiethnic Refugee Maya Community
- 10:30 Maxine Oland—Shifting Colonial Narratives at the Edge of the Spanish Colony: 15th-17th Century Maya Archaeology at Progreso Lagoon, Belize
- 10:45 Christine Kray, Minette Church and Jason Yaeger—Crosses, Burned Churches, and Kidnapped Priests: Ambivalent Maya Catholics in 19th-Century British Honduras
- 11:00 Tracie Mayfield and Simmons Scott—From the Canopy to the Caye: Two of Britain's Colonial Ventures in Nineteenth-Century Belize
- 11:15 Jeb Card—Discussant
- 11:30 Rani Alexander—Discussant

[199] SYMPOSIUM ■ MAKING AND BREAKING BOUNDARIES IN THE MAYA LOWLANDS: ALLIANCE AND CONFLICT ACROSS THE GUATEMALA–BELIZE BORDER
Room: 215 San Miguel
Time: 8:00 AM–12:00 PM
Chairs: Christina Halperin and Carolyn Freiwald

Participants:

- 8:00 Michael Callaghan and Brigitte Kovacevich—A Tale of Two Cities: Holtun, Holmul, and Permeable Ceramic Boundaries between Guatemala and Belize
- 8:15 George J. Micheletti, Sheldon Skaggs and Terry Powis—Identifying Late Classic Political, Economic, and Cultural Affiliations at Pacbitun, Belize
- 8:30 Katherine Miller Wolf—Society in Flux: Migration and Kinship during Sociopolitical Change in the Southern Lowlands
- 8:45 Jason Yaeger and M. Kathryn Brown—Entangled: The Shifting Networks That Linked the Classic Maya of Belize's Mopan Valley to Adjacent Regions
- 9:00 Jaroslav Zralka, Bernard Hermes, Carmen Ting, Christophe Helmke and Wieslaw Koszkuł—Political Alliances and Trade Connections Seen in Ceramic Record from the Classic Period: The Perspective of the Maya Site of Nakum, Guatemala
- 9:15 Christina Halperin, Jose Luis Garrido Lopez, Miriam Salas and Jean Baptiste LeMoine—Convergence Zone Politics and Cultural Affiliations at the Archaeological Site of Ucanal, Peten, Guatemala
- 9:30 Dorie Reents-Budet, Ronald L. Bishop, Christophe Helmke and Julie Hoggarth—Komkom What May: The Ancient Maya Kingdom of Komkom in Time and Place
- 9:45 Nathan Meissner—The Porous Boundary: Understanding Late Postclassic Belize-Petén Interactions through Lithic Technology
- 10:00 Carolyn Freiwald—Crossing Borders: What Isotope Geochemistry Reveals

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- 10:15 about Migration among the Maya
Ryan Mongelluzzo, Jose Garrido and Jean-Baptiste Le Moine—Boundaries of the Past as Viewed through the Fences of Today: Shifting Methods of Archaeological Inquiry in the Southern Maya Lowlands
- 10:30 Jean Larmon, Vilma Fialko and Lisa Lucero—Erasing Borders: Integrating the Settlement Hierarchies of Central Belize and the Petén, Guatemala
- 10:45 Jaime Awe and Christophe Helmke—Ally, Client or Outpost? Examining the Relationship between Xunantunich and Naranjo in the Late Classic Period
- 11:00 Simon Martin—Politics of the Borderlands: An Epigraphic History
- 11:15 Eleanor Harrison-Buck and Timothy Pugh—Breaking with Tradition? Terminal Classic and Postclassic Developments across the Guatemala – Belize Border
- 11:30 Brett A. Houk and Brooke Bonorden—The San Pedro Maya and the Western Frontier of British Honduras
- 11:45 Gyles Iannone—Discussant

[200] SYMPOSIUM ■ FROM HOUSEHOLDS TO EMPIRES: PAPERS PRESENTED IN HONOR OF BRADLEY J. PARKER

Room: 10 Anasazi

Time: 8:00 AM–12:00 PM

Chairs: Jason Kennedy and Patrick Mullins

Participants:

- 8:00 David Hopwood—Living with the Dead: Burial Practice at Kenan Tepe, Turkey, During the Ubaid Period
- 8:15 Marie Hopwood—Feeding the Household and the Spirit During the Ubaid Period at Kenan Tepe, Turkey
- 8:30 Susan Pollock—The House Next Door
- 8:45 Jason Kennedy—Come for the Harvest, Stay for the Beer: Alcohol Production in an Ubaid Household in Upper Mesopotamia
- 9:00 Gabriel Prieto and Feren Castillo—Becoming Moche in Huanchaco: The Impact of Moche Politics, Economy and Religion in the Fishermen Households at Pampa la Cruz, AD 500-650
- 9:15 Carlos Osoreo—Contributions and Perspectives about Household Archaeology in the Andes: A Homage to Bradley J. Parker
- 9:30 Robyn Cutright—A Worm's Eye View of Chimú Domestic Practice
- 9:45 Amanda Aland, R. Alan Covey, Robert Selden and Astrid Runggaldier—Revising Empire: Chimú and Inka Ceramic Morphology at Santa Rita B (Chao Valley, Peru)
- 10:00 Aaron Gidding and Alicia Boswell—Frontiers and Borderlands Phenomena, What Would Bradley Say?: Comparative Case Studies from the Levant and Andes
- 10:15 Patrick Mullins—Legacies in the Landscape: Borderland Processes in the Upper Moche Valley of Peru
- 10:30 Melissa Rosenzweig—Beating Swords into Plowshares: The Role of Agricultural Colonization in Imperial Histories
- 10:45 Jason Ur—Forced Migration in the Assyrian Empire, on the Periphery and in the Heartland
- 11:00 Patrick Ryan Williams—The Role of Institutions in Imperial Formations in the Andes
- 11:15 Lynn Dodd and Ran Boytner—The Politics of Archaeology: Reflections on the Early Decades of the 21st Century
- 11:30 Reinhard Bernbeck—Discussant
- 11:45 Matt Edwards—Discussant

[202] SYMPOSIUM ■ CROSSING BOUNDARIES: INTERREGIONAL INTERACTIONS IN PRE-COLUMBIAN TIMES

Room: 240 La Cienega

Time: 10:30 AM–12:00 PM

Chairs: Cinthia Marlene Campos and Claudia Camacho-Trejo

Participants:

- 10:30 Diego Matadamas Gomora and Angel González López—Considerations Regarding the Sculptures Commonly Called “Standard-Bearers”
- 10:45 Haley Holt Mehta, Claudia Camacho-Trejo, Cindy Rodriguez, Daniel Pierce and Dirk Baron—Creolization and the Zapotec Diaspora: A Classic Period Zapotec Teotihuacano Settlement in Southern Hidalgo, Mexico
- 11:00 Claudia Camacho-Trejo—An Iconographic Analysis on the Offering H Polychrome Knives of Templo Mayor of Tenochtitlan
- 11:15 Max Ayala and Cinthia Marlene Campos—Obsidian Distribution in Michoacán during the Epiclassic Period
- 11:30 Cristina García-Moreno and James Watson—Shell Jewelry Exchange and Social Status in Central Sonora
- 11:45 Hunter Claypatch—Mesoamerica en la frontera: Understanding Large-Scale Connectivity Using Hohokam and Trincheras Pottery Designs

[203] SYMPOSIUM ■ SOCIAL INTERACTION AND NETWORKS AT THE INTERSECTION OF CENTRAL MESA VERDE AND CHACO/CIBOLA CULTURE AREAS IN THE MIDDLE SAN JUAN RIVER VALLEY

Room: 21 Jemez

Time: 10:30 AM–12:00 PM

Chair: Steven Rospopo

Participants:

- 10:30 Linda Wheelbarger—Point Pueblo and Surrounding Middle San Juan River Valley Great House or Great Kiva Communities
- 10:45 Carol Lorenz and David Preston—Anomalous Floor 2 Features in the Point Pueblo Great Kiva
- 11:00 Roger Moore—The Sterling Site: A Preliminary Study of the Lithic Assemblage of a Bonito Phase Pueblo Community
- 11:15 Hayward Franklin—Ceramics of Sterling Site and Cultural Interaction along the Middle San Juan River, New Mexico
- 11:30 Larry Baker—Discussant
- 11:45 Hayward Franklin—Discussant

[204] GENERAL SESSION ■ ARCHAEOLOGICAL SCIENCE: NORTH AMERICAN CASE STUDIES

Room: 70 Tewa

Time: 10:30 AM–12:00 PM

Chair: Danielle Huerta

Participants:

- 10:30 Danielle Huerta—Analysis of Late Rio Grande Glaze Wares from a Post-Revolt Jemez Pueblo
- 10:45 Crystal Dozier—Indigenous Grape Wine and Black Drink Production in Pre-Hispanic Texas
- 11:00 Robert Ahlrichs—Archaic Copper Economy and Exchange in the Western Great Lakes: A Comparative Study from Two Wisconsin Localities

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- 11:15 Eric Johnson—Consumer Agency beyond Identity: Indigenous Demand and Euro-American Wampum Production between New Jersey and the Plains
- 11:30 Dominique Sorresso—Analyzing the Utilization of Shell in Chickasaw Pottery Using Petrographic and Chemical Composition Techniques
- 11:45 Kevin Wright—Beads and Bohr Models: Using XRF to Discuss Choctaw Identity Formation

[205] GENERAL SESSION ■ CAHOKIA AND ITS ENVIRONS**Room:** 19 Isleta**Time:** 10:30 AM–12:00 PM**Chair:** Rebecca Barzilai**Participants:**

- 10:30 Rebecca Barzilai—Vibrant Recipes: The Variability and Composition of Special Clay Linings in Mississippian Shrines from the Illinois Uplands of Greater Cahokia
- 10:45 Christina Friberg—Tradition in Transition: New Data and New Insights on Mississippianization from the Audrey-North Site
- 11:00 Anthony Krus, Edward Herrmann, Matthew Pike, William Monaghan and Jeremy Wilson—Chronology of a Fortified Mississippian Village in the Central Illinois River Valley
- 11:15 Patrick Livingood and Christina Friberg —Have Chert Will Travel: Anisotropic Transportation Cost Models of the Valuable Mill Creek Chert Hoe
- 11:30 G. Logan Miller—Temporal Changes in Wall Trench Structures at the Upper Mississippian Village of Noble-Wieting, McLean County, Illinois
- 11:45 John Flood and Jeremy Wilson—Star Bridge: A Late Mississippian Village in the Central Illinois River Valley

[206] GENERAL SESSION ■ BIOARCHAEOLOGY IN PERU**Room:** 22 San Juan**Time:** 10:30 AM–12:00 PM**Chair:** Benjamin Schaefer**Participants:**

- 10:30 Alexandra Greenwald, Beth Scaffidi and Kelly Knudson—Parental Investment in a High-Stress Environment: Weaning Age and Early Childhood Diet at Uraca, Lower Majes Valley, Peru
- 10:45 Sarah Kerchusky and Corina Kellner—Understanding Nasca 'Trophy Head' Individuals from the Site of Zorropata in Peru Using Isotopic and Biochemical Methods
- 11:00 Terren Proctor—Quicksilver and Cruelty: Violence at the Santa Bárbara Mining Encampment in Huancavelica, Peru
- 11:15 Beatriz Lizarraga Rojas and Danielle Kurin—Salud y condiciones de vida de los pobladores prehispánicos de Sondor en los Andes sur centrales de Perú
- 11:30 Benjamin Schaefer, Bethany Turner, Sloan Williams and Nicola Sharratt—Reconstructing Life Histories at the Site of Estuquiña: Incorporating Isotopic Data from Archaeological Hair to Investigate Palaeodietary Trends
- 11:45 Jordi Rivera Prince and Gabriel Prieto —Defining Markers of Occupational Stress in the Ancient Fisherman of Huanchaco, Perú: When Modern Ethnography and Bioarchaeology Intersect

[207] POSTER SESSION ■ GREAT PLAINS ARCHAEOLOGY**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 207-a Alexander Craib and Robert L. Kelly—Alm Shelter: A Preliminary Report on a Deeply Stratified Rockshelter in the Bighorn Mountains of Wyoming
- 207-b Susan Vehik—A Fourteenth-Century Southern Plains Star Chart
- 207-c Justin Williams and Matthew Landt—Raw Material Use though the Archaic at the Aught-Six Site: Northwestern Colorado
- 207-d Nicole Jacobson—Mobility in the Big Horns: GIS Analysis of Upper and Lower Canyon Creek and the Implications for Prehistoric Movement
- 207-e Kristen Carlson, Haley Sherwood, Dagny Anderson, Amelia Cisar and Andrew Kracinski—Ethnogenesis at the Lynch Site (25BD1), Nebraska through Pottery Analysis
- 207-f Jennifer Banks—Dismal River Housing: A Comparative Study of Apache Housing Structures

[208] POSTER SESSION ■ HISTORICAL ARCHAEOLOGY IN THE AMERICAN SOUTHWEST**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 208-a Jeremy Pye—The Dreaded Pox: Agent-Based Simulation of the 1870 Smallpox Epidemic in Tucson, Arizona
- 208-b Michael Diehl, Deil Lundin, Homer Thiel and Robert Ciaccio—Two Recently-Discovered Early Historic Examples of Chili (*Capsicum annuum*) from Arizona
- 208-c Alex Koenig—Contextualizing Campsites: Survey Results and Comparisons from Two Parajes along El Camino Real de Tierra Adentro
- 208-d Caroline Gabe—San Gabriel del Yunque: As Seen through a Museum Assemblage
- 208-e Saskia Ghosh—18th to 20th Century Architectural Changes of Embudo's Torreón
- 208-f Kelly Jenks, Shannon Cowell and Hannah Dutton—Tracking Broken Pots across Paraje San Diego, New Mexico

[209] POSTER SESSION ■ NEW RESEARCH IN THE GREAT BASIN**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 209-a Samantha Nabity, Jacob Freeman, Dave Byers and Erick Robinson—Hunter-Gatherer Intensification and Long-Term Demography: A SW Wyoming Case Study
- 209-b Audrey Pazmino—Technological Investment and Subsistence Strategy Flexibility within the Uinta Basin Fremont
- 209-c John Blong, Helen Whelton, Lisa-Marie Shillito, Ian Bull and Dennis Jenkins—Multiproxy Reconstruction of Human Diet in the Northern Great Basin: Coprolite Research at the Paisley Caves
- 209-d Cayla Kennedy—Relative Dating of Classic Vernal Fremont Rock Art in Cub Creek, Dinosaur National Monument
- 209-e Shannon Horton—An Archaeological Study of the Anomalous Sites along Southern Nevada's California Wash

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[210] POSTER SESSION ■ CALIFORNIA ARCHAEOLOGY**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 210-a Walter Dodd and Roger LaJeunesse—Implications of Stable Isotope Values from the Skyrocket Site (CA-Cal-629/630)
- 210-b Paul Gerard and Rene Vellanoweth—Testing the Efficacy of Methodologies for the Estimation of Body Size of California Mussel Based on Shell Fragments
- 210-c Shelby Medina, Jessica Rodriguez, Paul Gerard and Rene Vellanoweth—Were Large Mammal Limb Bones Processed to Extract Marrow and Render Grease at the Danielson Ranch site (CA-VEN-395)?
- 210-d Karimah Kennedy Richardson, Hugh Radde, Wendy Teeter and Desiree Martinez—Examining Site Functions and Relationships: The Value of Small Ridgeline Sites on Pimu/Catalina Island

[211] POSTER SESSION ■ SETTLEMENT, SUBSISTENCE, AND SOCIETY IN THE PACIFIC NORTHWEST COAST**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 211-a Christopher Donnermeyer, Trent Skinner, Michelle North and Nicholas Guest—Bridal Veil Lumbering Company: A Glimpse into an Intact Early Logging System in the Columbia River Gorge
- 211-b Brandi MacDonald, Rudy Reimer, Catherine Klesner and David Stalla—Insights into Rock Art Pigment Provenance and Microenvironment at Ashlu Rockshelter, British Columbia, Canada
- 211-c Christina Conlee, Bryan Heisinger and Nora Berry—Prehistoric and Historic Settlement in the Pine Creek Drainage, North-Central Oregon
- 211-d Yoli Ngandali—Communities of Art Practices on the Lower Columbia River: Technical Photography Using Infrared, UV, and Visible Light
- 211-e Molly Carney—Alternative Recipes: Exploring the Diversity of Foods Prepared in Prehistoric Earth Oven Cooking
- 211-f William Damitio, Shannon Tushingam, Korey Brownstein and David Gang—Tobacco Smoking in Northwestern North America: Synthesizing the Results of Organic Chemical Residue Analyses
- 211-g Sarah Nowell—Feature Content Analysis: Comparing Trends in Tool Use and Storage Strategies at Bridge River (EeRI-4), British Columbia
- 211-h Renae Campbell—Introducing the HJCCC: A Digital Collection of Japanese Ceramics Recovered from Archaeological Sites in the American West
- 211-i Florencia Pezzutti, Naomi Brandenfels and Austin Pratt—Willamette Valley Project: Recreating the Landscape of the Willamette Valley through GIS Mapping of Historic Documents

[212] POSTER SESSION ■ ARCHAEOLOGIES OF THE PACIFIC ISLANDS**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 212-a Maureece Levin, Katherine Seikel and Aimee Miles—A Multi-proxy Investigation of Settlement on Pingelap Atoll, Pohnpei State, Federated States of Micronesia
- 212-b Reno Nims—Overcoming Variability in Zooarchaeological Data Quality
- 212-c Jessica Stone, Mike Buckley and Scott Fitzpatrick—Possible Prehistoric Translocation of Non-human Primates to Remote Oceania

- 212-d David Ingleman—Pre-Contact Hawaiian Animal Burials: Interspecies Interactions and Embodied Experiences
- 212-e Matthew Napolitano, Geoffrey Clark, Robert J. DiNapoli, Esther Mietes and Scott Fitzpatrick—Geomorphological Development and Implications for Human Settlement of Southern Yap, Western Caroline Islands

[213] POSTER SESSION ■ CONTRIBUTIONS TO NEW MEXICO ARCHAEOLOGY

Room: La Sala

Time: 10:30 AM–12:30 PM

Participants:

- 213-a Iris Querenet Onfroy De Breville—Analyzing Archaic Rock Art in Northern New Mexico through Landscape Survey
- 213-b Jonathan Schaefer, Jeffrey R. Ferguson, Suzanne Eckert, Deborah Huntley and Timothy de Smet—In-Field XRF of Obsidian from Sites in the Lion Mountain Community of West-Central New Mexico
- 213-c Daniel Martinez, Brad Beacham and Nate Myers—A Preliminary Analysis of the Spatial Distribution of Prehistoric Sites within a 4,300-Acre Block of the Tularosa Basin, White Sands Missile Range, New Mexico
- 213-d Alissa Healy and Jana Comstock—Understanding Gallina Pitstructures
- 213-e Jacqueline Kocer—Gallina Ceramics: A Multi-site Pilot Study on the Composition of Gallina Sherds in Thin-Section
- 213-f Chris Shaw and Jason Millet—A Survey of Gallina Phase Sites in Santa Fe National Forest
- 213-g Kiley Stoj and Karen Schollmeyer —Plant Species and Their Uses in Mimbres and Salado Sites in Southwest New Mexico
- 213-h Brenton Willhite—A Stylistic Approach to Abrupt Ceramic Change in Salinas Province, New Mexico
- 213-i Rebecca Harkness—Kill Holes in Context: A Study of Kill Holes in Prehispanic Southwest New Mexico
- 213-j Christine Gilbertson—Exploring Cultural Differences in Irrigation Canal Systems through Time at the Creekside Village Site, New Mexico
- 213-k Catrina Whitley and Evangelia Tsesmeli—Architecture and Ritual Abandonment Sequences at the BaahKu Archaeological Site, Taos Valley, NM
- 213-l Alison Rautman and Julie Solometo—Ceramic Evidence of Complex Social Boundaries in Central New Mexico

[214] SYMPOSIUM ■ TECHNOLOGY AND DESIGN IN 4TH AND 3RD MILLENNIUM BCE CHINA

Room: 130 Cimarron

Time: 10:45 AM–12:00 PM

Chair: Richard Ehrich

Participants:

- 10:45 Yaopeng Qian—A Functional Study of 'jiandiping' (Pointed base) Amphorae
- 11:00 Liping Yang—The Dissemination of Miaodigou Culture Painted Pottery
- 11:30 Meng Guo—A Primary Study of Ceramic Technology at the Shimao Site
- 11:45 Ye Wa—Discussant

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- [215] SYMPOSIUM ■ INTERACTIONS WITH PSEUDOARCHAEOLOGY: APPROACHES TO THE USE OF SOCIAL MEDIA AND THE INTERNET FOR CORRECTING MISCONCEPTIONS OF ARCHAEOLOGY IN VIRTUAL SPACES**
Room: 140 Aztec
Time: 10:45 AM–12:00 PM
Chairs: Sara Head and Stephanie Halmhofer

Participants:

- 10:45 Emma Verstraete—Ancient Egyptian Curses and Bog Bodies: The Role of Pseudoarchaeology in Tumblr's Subculture
11:00 Katie Biittner—Comics, Colonialism, & Pseudoarchaeology: The Case of "La Crane de Mkwawa"
11:15 James VanderVeen—The Danger in Dehumanizing the Dead
11:30 Dina Rivera—Ethics, Etiquette and Engagement: The Role of Archaeologists in Active Opposition
11:45 Kenneth Feder—No Shit Sherlock: Sir Arthur Conan Doyle's Use of Archaeological Landscapes

- [216] GENERAL SESSION ■ PALEOINDIAN ARCHAEOLOGY IN NORTH AMERICA**
Room: 17 Apache
Time: 10:45 AM–12:00 PM
Chair: Mackenzie Cory

Participants:

- 10:45 Mackenzie Cory and Edward Herrmann —Modeling Diachronic Paleoindian Landscape Use in Indiana: A Spatial Analysis of State-Level Data
11:00 Sean Roades, Juliet Morrow and J. Christopher Gillam—After the Ice Age in the Ozarks
11:15 Ian Beggen and Kelsey A. Schmitz —Interpreting Resharpener Patterns of Paleoindian and Early Archaic Projectile Points from the Carolina Piedmont
11:30 Adam Burke—Targeting Coastal Plains Chert in the Wacissa Quarry Cluster, Northwest Florida, USA: A LIDAR-Based Geomorphic Model for Locating Chert Quarries
11:45 John Sabin and Jessi Halligan—Shifting Tides and the Role of 'Big Data': Modeling Paleoindian Land Use and Site Preservation in the Aucilla Basin, Florida

- [217] GENERAL SESSION ■ MONUMENTALITY, RITUAL, AND INEQUALITY: RECENT RESEARCH AT THE ANCIENT MAYA CITY OF XUNANTUNICH**
Room: 23 Nambe
Time: 10:45 AM–12:00 PM
Chair: Whitney Lytle

Participants:

- 10:45 Zoe Rawski—Naturalizing Authority: Sociopolitical Inequality and the Construction of Monumental Architecture at Early Xunantunich, Belize
11:00 Whitney Lytle, Rachel Horowitz, Carolyn Freiwald and Kathryn Brown—Ritual Deposits within the Eastern Pyramidal Structure at Group D, Xunantunich – Belize
11:15 Cassandra Feely—Game On: Investigations of Ballcourts 1 and 2 at Xunantunich, Belize
11:30 Tucker Austin—Investigating Ancient Maya Resiliency at Xunantunich, Belize
11:45 Tia Watkins, Jaime Awe and Doug Tilden—Tunnel Vision: Results from the 2018 Investigations of Structure A7 at Xunantunich, Belize

Friday Morning, April 12, 2019

[218] GENERAL SESSION ■ GEOARCHAEOLOGY IN THE AMERICAS**Room:** 28 Santo Domingo**Time:** 10:45 AM–11:45 AM**Chair:** Juan Gonzalez**Participants:**

- 10:45 Juan Gonzalez, Brandi Reger, Sarah Hardage and Russell Skowronek—
Projectile Points Exhumed by Dune Migration, Implications for Human Presence
and Mid-Holocene (?) Wetter Climate in the South Texas Sand Sheet
- 11:00 Paul Allgaier and Brian Coddig —Prearchaic Settlement Distribution in the
Central Great Basin
- 11:15 Chase Mahan— Sourcing a State: A Systematic Survey and Statistical Analysis
of Wyoming Archaeological Assemblages of Lithic Raw Materials
- 11:30 Sean Farrell—Geoarchaeological Investigations at Bone Bed 1, Bonfire Shelter:
Implications for Evidence of Early Paleoindian Site Use

**[219] GENERAL SESSION ■ CRAFTING AND MANUFACTURING IN THE ANCIENT MAYA
WORLD****Room:** 20 Laguna**Time:** 10:45 AM–12:00 PM**Chair:** Evan Parker**Participants:**

- 10:45 Timothy Dennehy, Christopher Merriman and Keith M. Prufer—Preparing for
Life on the Move: Lithic Platform Characteristics and Forager Mobility
- 11:00 Evan Parker, George J. Bey III and Tomás Gallareta Negrón—The Tzimin
Jades of Paso del Macho: Description and Analysis of a Middle Preclassic Maya
Plaza Offering
- 11:15 Alejandra Roche Recinos, Charles Golden and Andrew Scherer—An Obsidian
Workshop at Budsilhá Chiapas, Mexico
- 11:30 Virginia Ochoa-Winemiller, Terance Winemiller, William J. Folan and Lynda
Flore Folan—Crafting, Sharing, and Representing: The Molds and Figurines of
Calakmul, Mexico
- 11:45 Mary Clarke, Henry Perez, Boris Beltran and Heather Hurst—Quarrying,
Cutting, and Shaping: A Look into the Lives of Ancient Maya Limestone
Producers

**[220] GENERAL SESSION ■ ANCESTRAL PUEBLO ARCHAEOLOGY: SETTLEMENT AND
SOCIETY****Room:** 65 Hopi**Time:** 10:45 AM–12:00 PM**Chair:** Ronald Towner**Participants:**

- 10:45 Chuck Riggs—Both Secular and Sacred: Kiva Function at Two Sites in the
Mesa Verde Region of the American Southwest
- 11:00 Ronald Towner and Christopher Guiterman—The Forests and the Trees:
Sourcing Construction Timbers at Aztec Ruins, NM
- 11:15 Jade Robison—Memory-Dependent Practices at a Chaco Outlier: Insights from
the Ceremonial Deposition of Shell Ornaments at Salmon Pueblo, New Mexico
- 11:30 Daniel Cutrone and Madalyn Bills—The Enshrined Pueblos of Montezuma
Canyon
- 11:45 Stephen Janes and Michael Cloud—Ground Survey Evidence for a Regional
East to West Chacoan Road Passing through the Southern San Juan Basin
New Mexico and across the Chuska Mountains into Arizona

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[221] GENERAL SESSION ■ ARCHAEOLOGY OF NORTH/WEST MEXICO**Room:** 32 Tesuque**Time:** 10:45 AM–12:00 PM**Chair:** Anthony DeLuca**Participants:**

- 10:45 Sarah Allaun D'Lopez and Ismael Sánchez-Morales —Spatial Analysis of Surface Locality 5 at Fin del Mundo, Sonora, Mexico
- 11:00 Manuel Duenas-Garcia, Miriam Campos and Nicola Lercari—Cerro de En medio, a Hidden Epiclassic Site in the Northern Frontier of Mesoamerica
- 11:15 Anthony DeLuca—Tying Sacred Places to the Landscape in Jalisco, Mexico
- 11:30 Sarah Loomis—Gendered Figurine Iconography at Los Guachimontines, Jalisco, Mexico
- 11:45 Edwin Harris—Defining the Urbanism of the Ancient Purépecha Site of Angamuco

[222] GENERAL SESSION ■ ANCIENT TEXTILE ANALYSIS**Room:** 25 Navajo**Time:** 10:45 AM–12:00 PM**Chair:** Keith Johnson**Participants:**

- 10:45 Dallin Webb—Cooperative Foraging Strategies and Technological Investment in the Western Great Basin: An Investigation of Archaeological Remains from the Winnemucca Lake Caves
- 11:00 Keith Johnson—Sandals and the Basketmaker Occupation at Antelope Cave, Northwestern Arizona
- 11:15 J. M. Adovasio and Tom Dillehay —Perishable Technology and the Successful Peopling of South America
- 11:30 Mary Pohl, J. M. Adovasio and Christopher von Nagy—A Fabric-Impressed Potsherd from San Andrés, Tabasco, Mexico
- 11:45 Jennifer Singletary and Jose L. Peña—Fibers and Weaving Techniques in Casma Textiles, Huarmey Valley-Peru

[223] GENERAL SESSION ■ TEACHING ARCHAEOLOGY**Room:** 15 Zuni**Time:** 11:00 AM–12:00 PM**Chair:** Peter Robertshaw**Participants:**

- 11:00 Peter Robertshaw, Frances Berdan and Bernardo Renteria—Teaching Archaeology in Virtual Reality: Project Ambrosia
- 11:15 Andrea Freeman, Darren Sjogren, Aaron Williams and Dianne Draper—Employing Disruptive Technologies Teaching Archaeology in Field and Classroom Settings
- 11:30 Emily Dean—Involve Me and I Learn: Archaeology, Experiential Education, and Collaborative Research with SUU Undergrads
- 11:45 Marcela Poirier—Decolonizing the Past & Education: Expanding the Classroom and Using Archaeology to Transform the Way History Is Taught. Chavín De Huántar – Perú: A Case Example

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**[224] SYMPOSIUM ■ EXPLORING THE GAELIC SOCIAL ORDER THROUGH CASTLE
ARCHAEOLOGY**
Room: 31 Santa Ana
Time: 11:15 AM–12:00 PM
Chair: D. Gibson

Participants:

11:15 D. Gibson—Down and Out at Dysert O'Dea
11:30 Samuel Connell, Niall Brady, Kathryn Maurer and Daniel Cearley—Castle
Ballintober, County Roscommon, Ireland: The Castles in Communities Project
11:45 Daniel Cearley, Andrew Bair and Samuel Connell—Revealing a Medieval
Village: The Advantages and Limitations of Applying Geophysical Techniques

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[225] FORUM ■ FROM “SAVING THE PAST FOR THE FUTURE” TO “SAVING THE FUTURE WITH THE PAST”: BUILDING ARGUMENTS FOR CONTEMPORARY RELEVANCE
(Sponsored by Coalition for Archaeological Synthesis)

Room: 220 Ruidoso

Time: 1:00 PM–3:00 PM

Moderators: Keith Kintigh and Jeffrey Altschul

Participants:

Gary Feinman—Discussant
Michael Heilen—Discussant
Margaret Nelson—Discussant
Marcy Rockman—Discussant
Michael Smith—Discussant

[226] FORUM ■ FROM THE GROUND UP: UPDATES AND LESSONS LEARNED FROM AN OPEN NORTH AMERICAN ARCHAEOLOGY TEXTBOOK

Room: 65 Hopi

Time: 1:00 PM–3:00 PM

Moderators: Katherine Brewer, Paulina Przystupa and Alexis O'Donnell

Participants:

Katie Kirakosian—Discussant
Paulina Przystupa—Discussant
Katherine Brewer—Discussant
Alexis O'Donnell—Discussant

[227] FORUM ■ INDIGENOUS EARTHENWARE AFTER MAYAPÁN

Room: 210 Tijeras

Time: 1:00 PM–3:00 PM

Moderators: Yuko Shiratori and Maia Dedrick

Participants:

Maxine Oland—Discussant
Betsy Kohut—Discussant
Debra Walker—Discussant
Carrie Tucker—Discussant
Dominique Rissolo—Discussant
Rafael Cobos—Discussant
Hector Hernandez—Discussant
Jeffrey B. Glover—Discussant
Anthony Andrews—Discussant
Susana Echeverría—Discussant

[228] FORUM ■ PEDAGOGY IN THE AGE OF UNREASON

Room: 70 Tewa

Time: 1:00 PM–3:00 PM

Moderators: Diane George and Kelly Britt

Participants:

Oswaldo Benavides—Discussant
Rosemary Joyce—Discussant

Bonnie Clark—Discussant
 Jun Sunseri—Discussant

[229] FORUM ■ LOOKING FOR AN ACADEMIC JOB? CONTEXT MATTERS!
(Sponsored by SAA Teaching Archaeology Interest Group and Committee on Curriculum)

Room: 60 Chaco
Time: 1:00 PM–3:00 PM
Moderators: Lara Lloyd and Larkin Hood

Participants:

Kathleen Fine-Dare—Discussant
 Shereen Lerner—Discussant
 Jessica Munson—Discussant
 Lee Panich—Discussant
 F. Scott Worman—Discussant

[230] FORUM ■ REARRANGING IDENTITIES AND SOCIETY IN FORMATIVE PERIOD MESOAMERICA

Room: 32 Tesuque
Time: 1:00 PM–3:00 PM
Moderators: Catharina Santasilia and Guy Hepp

Participants:

Patricia Ochoa Castillo—Discussant
 Henri Noel Bernard—Discussant
 Christopher Pool—Discussant
 Jeffrey Blomster—Discussant
 Philip Arnold—Discussant
 Ricardo Higelin Ponce De Leon—Discussant
 Wesley Stoner—Discussant
 Tatsuya Murakami—Discussant
 Jeffrey Brzezinski—Discussant

[231] SYMPOSIUM ■ CURRENT INSIGHTS INTO PYRODIVERSITY AND SEASCAPE MANAGEMENT ON THE CENTRAL CALIFORNIA COAST

Room: 19 Isleta
Time: 1:00 PM–3:00 PM
Chairs: Gabriel Sanchez and Michael Grone

Participants:

1:00 Val Lopez—The Importance of Restoring Indigenous Knowledge
 1:15 Diane Gifford-Gonzalez—The Role of Faunal Evidence in Pyrodiversity Studies: Cases from California
 1:30 Paul Fine, Beth Shapiro, Diane Gifford-Gonzalez, Gabriel Sanchez and Kent Lightfoot—The Use of Ancient DNA to Investigate Change in Vole Populations during the Past 7,000 years: Implications for Past Land Management Practices
 1:45 Rob Cuthrell—Archaeobotanical Data from Middle to Late Holocene Sites on the Central California Coast: Implications for Resource Use and Prescribed Burning
 2:00 Michael Grone, Roberta Jewett, Rob Cuthrell, Gabriel Sanchez and Kent Lightfoot—Ancient Shoreline Management on the Central California Coast
 2:15 Gabriel Sanchez—Zooarchaeological Analysis of Vertebrate Remains from the

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- 2:30 Santa Cruz Coast
Mark Hylkema—Middle Holocene Projectile Points from the Santa Cruz County Coast of Northern Monterey Bay, California
- 2:45 Kent Lightfoot, Valentin Lopez, Mark Hylkema, Roberta Jewett and Peter Nelson—The Study of Indigenous Landscape and Seascape Management Practices in Central California: A Synthesis of Recent Findings

[232] SYMPOSIUM ■ FARM TO TABLE ARCHAEOLOGY: THE OPERATIONAL CHAIN OF FOOD PRODUCTION**Room:** 21 Jemez**Time:** 1:00 PM–3:00 PM**Chair:** Sneh Patel**Participants:**

- 1:00 Sneh Patel—Cuisine on the Harappan Frontier: Regional Cooking Vessels in Harappan Gujarat
- 1:15 Kalyan Sekhar Chakraborty, Greg Slater, Shyamalava Mazumdar, Prabodh Shirvalkar and Heather M.-L. Miller—What's in the Menu? Harappan Culinary Practices during the Urban Phase of the Indus Age
- 1:30 Abigail Buffington—Grasses Are Always Greener: The Technology of Herding and Mobility among Neolithic Pastoralists in South Arabia
- 1:45 Smiti Nathan—Dugongs, Dromedaries, and Domesticates: Disentangling Diverse Diets in Bronze Age Southeast Arabia
- 2:00 Allison Whitlock—Modeling Early Medieval Agricultural Practices through Archaeobotany
- 2:15 Guy Duke—Making a Meal at the Late Moche (AD 600-850) Site of Wasi Huachuma, Peru
- 2:30 Lindi Masur—Foodways and Identity in the Great Lakes: Investigating Western Basin Tradition Food Production Using Starch Grain and Macrobotanical Analysis.
- 2:45 Questions and Answers

[233] SYMPOSIUM ■ HOW DID THE INCA CONSTRUCT CUZCO?**Room:** 22 San Juan**Time:** 1:00 PM–3:00 PM**Chairs:** Bill Sillar and Alexei Vranich**Participants:**

- 1:00 Stephen Berquist and Alexei Vranich—The Terraced City
- 1:15 Kevin Floerke and Stephen Berquist—The Cusco Valley Road System
- 1:30 Dennis Ogburn, Bill Sillar and Rob Ixer—Inca Stone Sources, Quarrying, and Transport
- 1:45 Bill Sillar, Alexei Vranich and Dennis Ogburn—Prior to Pachacuti: A Pre-Imperial Phase for Monumental Construction in Cuzco?
- 2:00 Thomas Hardy—The Inca Transformation of the Lucre Basin
- 2:15 Mariusz Ziolkowski, Jacek Kosciuk and Bartłomiej Cmielewski—Coricancha: Between Historical Studies and 3D Scanning
- 2:30 Alexei Vranich and Bill Sillar—Imperial Remodeling: Hatuncancha and Later Inca Construction
- 2:30 Terence Daltroy—Discussant
- 2:45 Brian Bauer—Discussant

[234] LIGHTNING ROUNDS ■ ARCHAEOLOGICAL RECORDING OF ANCIENT MAYA WATER MANAGEMENT FEATURES

Room: 230 Pecos

Time: 1:00 PM–3:00 PM

Moderators: Justin Bracken, Megan Leight and Marc Wolf

Participants:

Timothy Pugh—Discussant
 Justin Bracken—Discussant
 Marc Wolf—Discussant
 Christopher Hernandez—Discussant
 Alexander Rivas—Discussant
 Megan Leight—Discussant
 Damien Marken—Discussant
 Andrés Mejía Ramón—Discussant
 Kristin Landau—Discussant
 Thomas Ruhl—Discussant
 Kacey Grauer—Discussant
 Adrian Chase—Discussant
 Samantha Krause—Discussant
 Jonathan Ruane—Discussant
 David Freidel—Discussant

[235] LIGHTNING ROUNDS ■ MANAGING QUARRIED LANDSCAPES—DEVELOPING PRESERVATION PRIORITIES AND BEST PRACTICES

(Sponsored by SAA Prehistoric Quarries and Early Mines Interest Group)

Room: 23 Nambe

Time: 1:00 PM–3:00 PM

Moderators: Ross Owen and Terry Ozbun

Participants:

Terry Ozbun—Discussant
 Diane Teeman—Discussant
 Ryan Griffin—Discussant
 Douglas MacDonald—Discussant
 Micah Hale—Discussant
 Joan Schneider—Discussant
 Stephen Whittington—Discussant
 Ryan Parish—Discussant
 Anne S. Dowd—Discussant
 Adam Burke—Discussant
 Joseph Schuldenrein—Discussant
 Nathaniel Kitchel—Discussant
 Steven Goldstein—Discussant

[236] SYMPOSIUM ■ CASMA STATE MATERIAL CULTURE AND SOCIETY: ORGANIZING, ANALYZING, AND INTERPRETING ARCHAEOLOGICAL EVIDENCE OF A RE-EMERGENT ANCIENT POLITY

Room: 28 Santo Domingo

Time: 1:00 PM–3:15 PM

Chairs: David Pacifico and Jose L. Peña

Participants:

1:00 Elizabeth Cruzado Carranza—The Middle Horizon Occupation of Pan de Azúcar de Nivín, Middle Casma Valley, Peru

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- 1:15 Jenna Hurtubise—Casma Occupation at Pan de Azúcar de Nepeña: Findings from the 2017 and 2018 PIAPAN Field Seasons
- 1:30 Mónica Suarez Ubillus and Iván Ghezzi—The Cahuacucho Idol of the Casma Culture
- 1:45 David Pacifico—Periurbanism in the Casma State: Preliminary Observations from the Olivar Archaeological Complex
- 2:00 Jose L. Peña—Los Casma del Sur: Interpreting Domestic Activities at the Southern border of the Casma Polity.
- 2:15 J. Eduardo Eche Vega and Jose L. Peña—Estudio de la Arquitectura Monumental Casma en el sitio El Campanario, valle de Huarmey-Perú
- 2:30 David Chicoine—Vibrant Ruins and the Construction of Casma Ancestralized Landscapes: Preliminary Insights from the Lower Nepeña Valley
- 2:45 Melissa Vogel—Discussant
- 3:00 Questions and Answers

[237] SYMPOSIUM ■ BEYOND COLLECTIONS: FEDERAL ARCHAEOLOGY AND “NEW DISCOVERIES” UNDER NAGPRA**Room:** 130 Cimarron**Time:** 1:00 PM–3:30 PM**Chairs:** Mary Carroll and Emily Palus**Participants:**

- 1:00 Mary Carroll—Understanding Section 3 of NAGPRA
- 1:15 Emily Palus—Yes! You Can Still Dig, but, Please Plan Ahead. NAGPRA Section 3 New Discoveries in Land Management
- 1:30 Wendy Sutton—NAGPRA Successes, Challenges, and Emerging Issues: Forest Service Approaches to Post-1990 Discoveries
- 1:45 Rhea Hood and Rachel Mason—Archaeology and NAGPRA in Alaska: Examples of Intentional Excavation
- 2:00 Elisa Ryan and Jeremy Foin—The Consequences of Drought: Inadvertent Discoveries on Federal Land
- 2:15 Sharyl Kinnear-Ferris—Recovery of Inadvertent Discoveries along the Lost Coast of the King Range NCA
- 2:30 Keri Hicks, Theresa Thibault and John Kinsner—Planning for Post-1990 Inadvertent Discoveries in the Alaska Region, USDA Forest Service
- 2:45 Bridget Ambler—Developing Comprehensive Agreements on a Designated Cultural Landscape
- 3:00 Francis McManamon—Discussant
- 3:15 Questions and Answers

[238] SYMPOSIUM ■ ARCHAEOLOGY AND MATERIAL CULTURE OF THE SPANISH INVASION OF MESOAMERICA AND FORGING OF NEW SPAIN**Room:** 240 La Cienega**Time:** 1:00 PM–3:30 PM**Chairs:** David Carballo and Aurelio López Corral**Participants:**

- 1:00 David Carballo—Deep Histories of Conquest: Mesoamerica, Iberia, and New Spain
- 1:15 Aurelio López Corral and Ramón Santacruz—De Tepeticpac, a Tlaxcallan, a Tlaxcala: el forje del estado tlaxcalteca del Posclásico tardío (1250-1519 d.C.) a la Colonia temprana (1519-1600 d.C.)
- 1:30 Lane Fargher—El Malinche and Tlaxcallan: A Field Guide to Taking Down

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- Democracy
- 1:45 Lisa Overholtzer—Copper Buckles and Comal Battens: Clothing Indigenous Conquerors at 16th Century Coyotepetl, Tepeticpac, Tlaxcala
- 2:00 Ramón Santacruz and Aurelio López Corral—Conquista y artefactos arqueológicos: Una lectura desde el Derecho Indiano
- 2:15 Enrique Rodríguez-Alegria—Wealth and Ownership of Indigenous Goods among Spanish Colonizers
- 2:30 Julie Wesp and John K. Millhauser—The Intersections of Race, Class, and Labor in New Spain: Archaeological, Bioarchaeological, and Ethnohistoric Perspectives from the Basin of Mexico
- 2:45 Barbara Mundy—Paper Matters: Cultural Change in Post-Conquest Mexico
- 3:00 Rani Alexander—Discussant
- 3:15 Questions and Answers

[239] SYMPOSIUM ■ SILENCED RITUALS IN INDIGENOUS NORTH AMERICAN ARCHAEOLOGY**Room:** 25 Navajo**Time:** 1:00 PM–3:30 PM**Chair:** Madeleine McLeester**Participants:**

- 1:00 Anna Prentiss and Alysha Edwards—Scrambles, Potlatches, and Feasts: the Archaeology of Public Rituals amongst the St'át'imc People of Interior British Columbia
- 1:15 Martin Gallivan—Algonquian Landscapes and Multispecies Archaeology in the Chesapeake
- 1:30 Michelle Pigott and Christopher Rodning—Archaeology of Ritual in Cherokee Towns of the Southern Appalachians
- 1:45 John Scarry—Purification Ritual and the Creation of Place in the Mississippian Southeast
- 2:00 Madeleine McLeester and Mark Schurr—Ritual Traces and the Challenges of Detecting Late Precontact Rituals at Midewin National Tallgrass Prairie, IL
- 2:15 Meghan Howey—Great Lakes Enclosures and Un-silencing the Midewiwin Ceremonial Complex
- 2:30 Sandra Hollimon—Silenced Undertakers
- 2:45 Maria Zedeno—What Is 'Good Hair'? – Personhood, Ritual, and Resurgence of Bodily Adornment among the Equestrian Blackfoot
- 3:00 Mark Schurr and Madeleine McLeester—Native Voices: Contributions by John Low, Alysha Edwards, Denise Pouliot, Paul Pouliot, and Others
- 3:15 Ian Kuijt—Discussant

[240] SYMPOSIUM ■ PALAEOECONOMIC AND ENVIRONMENTAL RECONSTRUCTIONS IN ISLAND AND COASTAL ARCHAEOLOGY**Room:** 17 Apache**Time:** 1:00 PM–3:30 PM**Chairs:** Katherine Woo and Christopher Jazwa**Participants:**

- 1:00 Jonathan Benjamin, Peter Moe Astrup, Claus Skriver, Chelsea Wiseman and Geoff Bailey—Investigations of a Submerged Prehistoric Midden on Hjørnø, Denmark: Climate, Sea Level and Culture
- 1:15 Katarina Jerbic—Connecting Survey and Fieldwork: Archaeology of the Core
- 1:30 Jessica Cook Hale—“...As the Waves Make Towards the Pebbled Shore”: Site Formation Processes on Drowned Coastal Sites and Implications for Preservation, Discovery, and Interpretation

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- 1:45 Tam Smith—Coastal Southeast Queensland, Australia: An Historical Ecology Model of Mid- to Late Holocene Settlement and Subsistence
- 2:00 Kristin Hoppa—Human Adaptations to Environmental Change on the California Channel Islands
- 2:15 Katherine Woo—Shifting Palaeoeconomies in the East Alligator River Region: An Archaeomalacological Perspective
- 2:30 Amira Ainis, Jon Erlandson and Rene Vellanoweth—Resilience and Stable Shifts: Historical Ecology at Bay Point, San Miguel Island, California
- 2:45 Carola Flores-Fernandez, Sandra Rebolledo, Jimena Torres, Diego Salazar and Bernardo Broitman—Nearshore Paleocceanographic Conditions and Human Adaptation on the Coast of the Atacama Desert (Chile, 25°S) During the Early and Middle Holocene
- 3:00 Ryan Anderson and Christopher Jazwa—Natural and Anthropogenic Effects on Coastal Environments along the East Cape of Baja California Sur, Mexico
- 3:15 Rene Vellanoweth, Amira Ainis, Santos Cenicerros-Rodríguez, Jessica Rodriguez and Paul Collins—Using Barn Owl (*Tyto alba*) Pellets to Build Environmental Profiles: A 1,500-Year-Old Record from Barn Owl Cave, Santa Barbara Island, California, USA

[241] SYMPOSIUM ■ U.S. ARMY CORPS OF ENGINEERS: A NATIONAL PERSPECTIVE ON CRM, RESEARCH, AND CONSULTATION

Room: 20 Laguna

Time: 1:00 PM–3:45 PM

Chair: Erin Hess

Participants:

- 1:00 Jimmy Barrera—The U.S. Army Corps of Engineers and Section 106 – A Discussion of our Authority
- 1:15 Carey Baxter and Michael Hargrave—Cultural Resource Management at an USACE Research Laboratory: Methodology Development in CPP Rapid Response
- 1:30 Anne Koster—Impacts to Archaeological Deposits by Heavy Equipment and Protective Site Hardening Techniques
- 1:45 Jonathan Van Hoose and Lance Lundquist—An Experimental Study on the Effects of Periodic Inundation on Surface Artifact Assemblages
- 2:00 Erin Hess—U.S. Army Corps of Engineers: Emergency Response Adaptive Management
- 2:15 Jeremy Decker—The Cerrito Site Monitoring Study: Adaptive Management of Recreation within a Significant Archaeological Site
- 2:30 Christina Sinkovec—Slope Armoring at Leone Bluff: A Collaborative, Landform-Scale Effort at In Situ Preservation
- 2:45 Forrest Kranda—Cleaning up History: Historic preservation at Formally Used Defense Sites
- 3:00 Joseph Sparaga, Kelly Eldridge and Forrest Kranda—You're Building What Where?: Innovation with MOAs in the Far North
- 3:15 Kelly Eldridge and Amanda Andraschko—What's in a Name? Agency Coordination with ANCSA Corporations as Federally Recognized Tribes under Section 106
- 3:30 Nancy Komulainen-Dillenburg—USACE St. Paul District Regulatory (Corps) Commitment to Open and Transparent Communication and Consultation with Tribes

[242] SYMPOSIUM ■ SALT ROADS: RETHINKING THE PLACE OF SALT IN PREHISTORY, TOWARDS A GLOBAL DIALOGUE

Room: 29 Sandia

Time: 1:00 PM–3:45 PM

Chairs: Helina Woldekiros and Gonca Dardeniz Arikan

Participants:

- 1:00 Gonca Dardeniz Arikan—Salt of the North-Central Anatolia (Turkey)
- 1:15 Rowan Flad—Brine Processing Pits at Zhongba, China
- 1:30 Paul Eubanks—Economic, Political, and Religious Motivations for Visiting Salt and Mineral Springs in the Late Prehistoric Southeastern United States
- 1:45 Heather McKillop—Salt in the Classic Maya Economy: The Paynes Creek Salt Works, Belize
- 2:00 Felix Tencariu and Marius Alexianu—Bridging Some Gaps: Advances of the Ethnoarchaeology of Salt in Romania
- 2:15 Qiaowei Wei—Made Locally or Long-Distance Transportation? New Evidence on Ceramic Vessels from Salt Production Sites of Late Shang Period in North Shandong
- 2:30 Alexander Antonites—Salt Production in the Iron Age of Southern Africa
- 2:45 Sonia Archila Montanez and Saul Torres—Pre-Hispanic Salt Production in Nemocon, Colombia. A Study of Environmental, Technological and Social Characteristics
- 3:00 Lei Shao, Jianfeng Cui and Zhanghua Wang—Sea Salt Production 4,000 Years Ago in the Eastern Coast Of China: The Excavation and Research at the Daxie Prehistoric Salt Production Site in Ningbo, Zhejiang
- 3:15 Helina Woldekiros—The Social and Economic Context of Salt Production and Distribution in the Horn of Africa: Past and Present
- 3:30 Questions and Answers

[243] SYMPOSIUM ■ THE FLOWER WORLD: RELIGION, AESTHETICS, AND IDEOLOGY IN MESOAMERICA AND THE AMERICAN SOUTHWEST

Room: 15 Zuni

Time: 1:00 PM–4:15 PM

Chairs: Michael Mathiowetz and Andrew D. Turner

Participants:

- 1:00 Oswaldo Chinchilla—Flower Worlds of the Pacific Coast
- 1:15 Cameron L. McNeil—The Flowery Places of the Copan Maya and the Species They Used to Create Them
- 1:30 Andrew D. Turner—The Flower World in Central Mexico After the Collapse of Teotihuacan, AD 600-900
- 1:45 Angel González López and Lorena Vázquez Vallín—Templo Mayor and Representations of the Flower World: Agriculture, Fire, Sacrifice, Death, Rebirth, and Imperialistic Agendas
- 2:00 Davide Domenici—Colors and Chants of the Flower World: The Use of Organic Colors in Pre-Hispanic Mesoamerican Codex Painting Traditions
- 2:15 James Cordova—Flowers and Floral Imagery in New Spain's Visual Production and Religious Spaces
- 2:30 Georganne Deen and John Pohl—The Cult of Xochipilli
- 2:45 Michael Mathiowetz—The Casas Grandes Flower World and its Antecedents in Northwest Mesoamerica and the U.S. Southwest
- 3:00 Dorothy Washburn—Flower World Concepts in Hopi Katsina Song Texts
- 3:15 Alan Sandstrom—Flowers in the Religious Ideology of Contemporary Nahua of the Southern Huasteca
- 3:30 Karl Taube—Discussant

Friday Afternoon, April 12, 2019

3:45 Kelley Hays-Gilpin—Discussant
4:00 Questions and Answers

[244] SYMPOSIUM ■ BRAIDING KNOWLEDGE: OPPORTUNITIES AND CHALLENGES FOR COLLABORATIVE APPROACHES TO ARCHAEOLOGICAL HERITAGE AND CONSERVATION

Room: 16 Acoma

Time: 1:00 PM–4:30 PM

Chairs: Dylan Clark and Patricia McAnany

Participants:

1:00 Dylan Clark, Patricia McAnany and Sonya Atalay—Braiding Knowledge: Opportunities and Challenges for Collaborative Approaches to Archaeological Heritage and Conservation
1:15 Michael Spears, Kurt E. Dongoske, Maren Hopkins and T. J. Ferguson—Zuni Perspectives on Historic Preservation
1:30 Betsy Chappoose—Tribal Consultation: What We Lose When It's "My way or the highway"
1:45 George Nicholas—Converging or Contradictory Ways of Knowing: Assessing the Scientific Nature of Traditional Knowledge in Archaeological Contexts
2:00 Lee Clauss—A Weaver's Work: The Concurrent Advancement of Tribal Sovereignty and Archaeological Practice in Southern California
2:15 Regina Hilo—Challenges, Opportunities, and Kuleana: Historic Preservation in Hawaii
2:30 Jessica Yaquinto and Lyle Balenquah—Passing the Microphone: The Heritage Voices Podcast as Community-Based Archaeology
2:45 Khristin Landry-Montes and Daniela Angélica Garrido Durán—Youthful Visions of Time and Place: Photovoice Methodology in Three Maya Communities
3:00 Nichol Shurack and Terry Knight—Ute Mountain Ute Tribal Historic Preservation Office Reflections on Tribal-Archaeologist Collaborations
3:15 Stephen Silliman, Katherine Sebastian Dring and Natasha Gambrell—A Braiding, Not Abrasive, Approach to Indigenous Cultural Heritage and Archaeology: The Eastern Pequot Example
3:30 Cassandra Atencio, Alden Naranjo and Garrett Briggs—Ute "Prayer Trees", the Cultural Resource that Never Existed
3:45 Larry Zimmerman—Discussant
4:00 Questions and Answers
4:15 Sven Haakanson—Discussant

[245] SYMPOSIUM ■ COLORING THE WORLD: PEOPLE AND COLORS IN SOUTHWESTERN ARCHAEOLOGY

Room: 31 Santa Ana

Time: 1:00 PM–4:30 PM

Chairs: Michelle Turner and Lori Stephens Reed

Participants:

1:00 Michelle Turner—The Archaeology of Color in the Southwest
1:15 Jill Neitzel and David Witt—Sacred Colors and Materials: The Life Histories of Ancestral Pueblo Jewelry
1:30 Tanya Chiykowski-Rathke—Loss of Color: Pigments in the Trincheras Tradition
1:45 Lori Stephens Reed and Michelle Turner—Shades of Meaning: Relating Color to Chacoan Identity, Memory, and Power at the Aztec Great Houses
2:00 Stephanie Whittlesey and Jefferson Reid—Subjective Color in Mimbres Black-on-white Pottery

Friday Afternoon, April 12, 2019

- 2:15 Marit Munson—Pigments and Paints in the Ancestral Pueblo Southwest
 2:30 Christine Ward—Bright Spots in a Drab Landscape: Color Use and Symbolism in the Jornada Region
 2:45 Hannah Mattson—Directional Color Schemes at Chaco Canyon: Quaternary Patterns in Ornaments and Minerals from Kiva Offerings
 3:00 Nancy Odegaard and Kelsey Hanson—The Technology of Capturing Color: Complementary Analyses of Pigment Cakes and Chalks
 3:15 Patricia Crown and Christopher Witt—Flying Colors: Local and Non-local Birds in Chaco Canyon Archaeological Sites
 3:30 Christine VanPool and Todd VanPool—The Multivalence of Black in Casas Grandes Iconography
 3:45 Polly Schaafsma—Discussant
 4:00 Charles Cobb—Discussant
 4:15 Questions and Answers

[246] SYMPOSIUM ■ WHY PLATFORM MOUNDS? PART 2: REGIONAL COMPARISONS AND TRIBAL HISTORIES

Room: 270 Ballroom C

Time: 1:00 PM–4:30 PM

Chair: Glen Rice

Participants:

- 1:00 Thomas Lincoln—The Central Arizona Project and Platform Mounds in Arizona
 1:15 Mark Elson—Platform Mounds and Ethnographic Analogy Revisited: Defining the Functional Universe
 1:30 James Bayman—From Hohokam Archaeology to Narratives of the Ancient Hawaiian ‘State’
 1:45 Kyle Woodson and Chris Loendorf—Platform Mound Communities along the Middle Gila River
 2:00 Richard Ciolek-Torello—Platform Mounds and Pueblos: A Focus on Diversity and Function
 2:15 Lewis Borck and Jeffery Clark—Building Collapse: Hierarchy and an Anarchic Social Movement in the Hohokam Classic Period
 2:30 Christopher Schwartz—Elevating Animals: Exploring Ritual Fauna and Socially Integrative Architecture in the Tonto Basin
 2:45 Katherine Dungan—Mounds, Mounding, and Polychrome Pottery in the Late Prehispanic Tonto Basin
 3:00 David Jacobs and Douglas Craig—Portals to the Past: Public Architecture and Storytelling Traditions in Hohokam Society
 3:15 Glen Rice and Christopher Watkins—Hohokam Platform Mounds and Costly Signaling
 3:30 Brett Hill—A Path Forward: Casa Grande as Metaphor
 3:45 Linda Morgan, Chris Loendorf and Barnaby Lewis—Akimel O’Oodham Traditional Knowledge Regarding Platform Mounds
 4:00 Carla Van West—Discussant
 4:15 Questions and Answers

[247] SYMPOSIUM ■ THE EXTENDED EVOLUTIONARY SYNTHESIS AND HUMAN ORIGINS: ARCHAEOLOGICAL PERSPECTIVES

Room: 27 Picuris

Time: 1:00 PM–4:45 PM

Chairs: John Murray and Robert Benitez

Participants:

- 1:00 Robert Benitez and John Murray—The Coevolution of Niche Construction and Niche Adaptation in the Hominin Lineage: Toward Understanding Culture
- 1:15 Michael O'Brien—Genes, Culture, and the Archaeological Record
- 1:30 Marc Kissel and Agustin Fuentes—Extending Paleoanthropology with the Extended Evolutionary Synthesis
- 1:45 Eleanor Scerri—Rethinking Trees, Species and Hybridization in Recent Human Evolution
- 2:00 Charles Perreault—A Macroarchaeology Approach: How Can Archaeology Make Novel and Useful Contributions to Evolutionary Theory?
- 2:15 Jonathan Paige, Deanna Dytchkowskyj and Charles Perreault—Measuring Lithic Complexity from the Lower Paleolithic through the Late Holocene
- 2:30 Elspeth Ready and Michael Holton Price—An HBE Perspective on Niche Construction
- 2:45 Elizabeth Veatch, Thomas Sutikna, E. Wahyu Saptomo, Jatmiko and Matthew M. Tocheri—Testing Theoretical Approaches for Inferring Hominin Behavior at Liang Bua (Flores, Indonesia)
- 3:00 Mark Collard—Niche Construction and Cultural Complexity in Small-Scale Societies
- 3:15 Jessica Thompson, David Wright, Sarah Ivory, Jeong-Heon Choi and Elizabeth Gomani-Chindebvu—Archaeological Proxies of Early Modern Human Niche Construction in Northern Malawi
- 3:30 David Braun, Tyler Faith, Benjamin Davies, Mitchell Power and Matthew Douglass—Building Expectations to understand the Evolutionary Significance of Archaeological Assemblages
- 3:45 Radu Iovita, David Braun, Matthew Douglass, Simon Holdaway and Sam Lin—Revisiting the Evolutionary Significance of Stone Tools
- 4:00 Jonathan Marks—On the Origin of Cultures
- 4:15 Curtis Marean—Discussant
- 4:30 Naomi Cleghorn—Discussant

[248] SYMPOSIUM ■ GLOBAL PERSPECTIVES ON CLIMATE-HUMAN POPULATION DYNAMICS DURING THE LATE HOLOCENE

Room: 235 Mesilla

Time: 1:00 PM–4:45 PM

Chairs: Erick Robinson and Jacob Freeman

Participants:

- 1:00 Erick Robinson, Jacob Freeman and Robert L. Kelly—The Role of Edge Effects in Late Holocene Archaeological Radiocarbon Time Series
- 1:15 Andrew Gillreath-Brown, Kyle Bocinsky and Tim Kohler—The Impact of Temperature on the Transition to Maize Agriculture in the Northern Upland United States Southwest
- 1:30 Trista Schiele, Judson Finley and Erick Robinson—The Suitability of Dry-Farming and Its Impact on Fremont Paleodemography in the Northern Uinta Basin
- 1:45 Judson Finley and Erick Robinson—The Socio-ecological Dynamics of the Uinta Fremont Agricultural Transition
- 2:00 David Anderson, Eric Kansa, Sarah Whitcher Kansa, Joshua J. Wells and Stephen Yerka—Late Holocene Human Population Dynamics in Eastern North America: Lessons from Site and Artifact Records in DINAA and Beyond
- 2:15 Nicole Misarti, Ben Fitzhugh, Jason Addison, Kana Nagashima and PESAS—Modeling Climate, Ocean Productivity and Human Population Dynamics on the North Pacific Rim

Friday Afternoon, April 12, 2019

- 2:30 Claire Ebert and Emily Zavodny—Societal Cycling Influenced by Climatic Variability Among Early Agricultural Communities: Comparative Perspectives from Belize and Croatia
- 2:45 Adolfo Gil, Gustavo Neme, Maria de la Paz Pompei, Laura Salgan and Nuria Sugrañes—Human-Environment System Change and Stability in the Farming/Hunter-Gatherer Transition
- 3:00 Eugenia Gayó and Jose M. Capriles—Climatic and Demographic Changes in the South Central Andean Highlands during the Late Holocene
- 3:15 Claudio Latorre, Calogero Santoro, Ricardo De Pol-Holz, Eugenia Gayó and Mariana Yilales—PEOPLE3k: Demographic Boom and Bust Cycles of Coastal Hunter-gatherers Cycles Track Shifting Upwelling Conditions in Northern Chile
- 3:30 Jonas Gregorio De Souza—Climate Change and Culture in Late Pre-Columbian Amazonia
- 3:45 Sean Hixon, Kristina Douglass, Henry Wright, Brooke Crowley and Laurie Godfrey—A Critical Review of Radiocarbon Dates Clarifies the Human Settlement of Madagascar
- 4:00 Darcy Bird and Jacob Freeman—Managing the Current Mass Extinction for Human Populations
- 4:15 Molly Cannon—Museums Make Great Partners for Science Communication: Sharing Successful Programming from PEOPLE 3K
- 4:30 Tim Kohler—Discussant

[249] SYMPOSIUM ■ CURRENT PERSPECTIVES ON THE WESTERN STEMMED TRADITION-CLOVIS DEBATE IN THE FAR WEST

Room: 10 Anasazi

Time: 1:00 PM–4:45 PM

Chairs: Katelyn McDonough, Jordan Pratt and Richard Rosencrance

Participants:

- 1:00 Michael Rondeau and Nicole George—Paleoindian Projectile Points in the Far West
- 1:15 Todd Surovell—The Ages of Stemmed and Fluted Points in the Northwestern Plains and Rocky Mountains
- 1:30 Dennis Jenkins—Dating the Western Stemmed Tradition in the Northern Great Basin
- 1:45 Bryan Hockett—Subsistence Diversity During the Western Stemmed Tradition in the Intermountain West
- 2:00 Richard Rosencrance—Assessing the Chronological Variation Within the Western Stemmed Tradition
- 2:15 Daron Duke and Daniel Stueber—Haskett and Its Clovis Parallels
- 2:30 Geoffrey Smith—The First Centuries after Clovis: A Review of Younger Dryas Western Stemmed Tradition Occupations in the Great Basin with a Focus on What They Can Tell Us about How and When Humans Colonized the Western United States
- 2:45 Katelyn McDonough—The Western Stemmed Tradition During the Younger Dryas: The Newest Evidence from Connley Caves, Oregon
- 3:00 Jordan Pratt—Exploring Open-Air Western Stemmed Sites in the Harney Basin, Oregon: A Technological and Chronological Analysis
- 3:15 Patrick O'Grady, Scott Thomas, Thomas W. Stafford Jr., Daniel Stueber and Margaret Helzer—The View from the Trenches: Tying Paleoenvironment to Archaeology at Rimrock Draw Rockshelter (35HA3855)
- 3:30 Edward Knell—Current Perspectives on the Western Stemmed Tradition and Clovis in the Mojave Desert
- 3:45 Jon Erlandson—Western Stemmed Technology on California's Channel Islands

Friday Afternoon, April 12, 2019

- 4:00 Ted Goebel, Joshua Lynch and Caitlin Doherty—Stemmed Points from Nevada Caves
 4:15 Robert L. Kelly—Discussant
 4:30 Charlotte Beck—Discussant

[250] SYMPOSIUM ■ SEEING WARI THROUGH THE LENS OF THE EVERYDAY: RESULTS FROM THE PATIPAMPA SECTOR OF HUARI

Room: 120 Dona Ana

Time: 1:00 PM–4:45 PM

Chairs: Brittany Fullen, Geoffrey Taylor and Halona Young-Wolfe

Participants:

- 1:00 William Isbell, Barbara Wolff, Ismael Perez Calderon, Gonzalo Rodriguez Carpio and J. Alberto Carbajal Alegre—Investigating Huari Urban Residences: An Overview of the 2017-18 Excavations
 1:15 Halona Young-Wolfe—From the Ocean to the Mountain: Marine Shell in the Patipampa Sector, Huari, Ayacucho, Peru
 1:30 Bronson Wistuk—Quispi Rumi: Geochemically Sourcing Obsidian from the Patipampa Sector of Huari
 1:45 Samantha Nadel—A Microscopic Analysis of Inclusion Size in Middle Horizon 1 Ceramics from Huari
 2:00 Zachary Critchley—A Decorated Bone Pendant from Patipampa
 2:15 Luz Antonio and William Isbell—Investigating Huari Urban Residences: An Overview of the 2017-18 Ceramic Styles
 2:30 Questions and Answers
 2:45 Ann Laffey—The Role of the Toad in the Middle Horizon Andes: A Chemical and Iconographic Analysis
 3:00 Geoffrey Taylor—What Is a Hill of Beans Really Worth?: Paleoethnobotanical Analysis of Urban Huari Foodways
 3:15 Silvana Rosenfeld and Matthew Sayre—Wari Foodways: A Comparison across Space
 3:30 Tiffany A. Tung and Natasha P. Vang—Eating and Empires: Stable Isotope Analysis to Reconstruct Diet and Foodways in the Wari Heartland
 3:45 Rebekah Montgomery—Death in the City: Huari Urban Tombs
 4:00 Brittany Fullen—The End Is in Sight: Preliminary Findings for Terminal Middle Horizon Occupation at Huari
 4:15 Patricia Knobloch—Discussant
 4:30 Anita Cook—Discussant

[251] SYMPOSIUM ■ ACCELERATING ENVIRONMENTAL CHANGE THREATS TO CULTURAL HERITAGE: SERIOUS CHALLENGES, PROMISING RESPONSES

(Sponsored by SAA Committee on Climate Change Strategies and Archaeological Resources)

Room: 115 Brazos

Time: 1:00 PM–4:45 PM

Chair: Anne Jensen

Participants:

- 1:00 Ruth Maher, Lindsey Kemp, Nicole Burton, Julie Bond and Steve Dockrill—Georeferenced Spatial Data Analyses on Coastal Erosion Sites: The Final 3D Examination of the Pictish Smithy at the Site of Swandro, Orkney Islands
 1:15 Ramona Harrison—Saving the Story of Medieval Icelandic Fishery Development: Siglunes as a Case Study
 1:30 Christyann Darwent, Genevieve LeMoine, John Darwent and Hans Lange—The

- Inglefield Land Archaeology Project in NW Greenland, 2004-16: Mitigating Cultural Resources in the Era of Climate Change
- 1:45 Matthew Walls, Pauline Knudsen, Naotaka Hayashi and Pivinnuaq Mørch—Site Damage and the Perception of Change in Northwest Greenland
- 2:00 Hans Harmsen, Christian K. Madsen, Elie Pinta and Michael Nielsen—Climate Change, Capacity-Building and Local Engagement: Report on the 2018 Arctic Viking Field School, Vatnahverfi, South Greenland
- 2:15 Rachael Kangas, Sara Ayers-Rigsby, Jeffrey Moates and Brenda Altmeier—Smoke on the Water: Addressing the Burning Issue of Threats Climate Change Poses for Submerged Historical Sites in Florida
- 2:30 Konrad Smiarowski, Christian K. Madsen, Michael Nielsen and Jette Arneborg—Environmental Threats To Viking Age and Medieval Norse Sites in Southwestern Greenland
- 2:45 Tad Britt, Mark Rees, Samuel Huey, David Watt and David Anderson—A Perfect Storm: Alternative Mitigation Strategies for Louisiana's Gulf Coast
- 3:00 William Lees, Tom Dawson, Sally Foster, Joanna Hambly and Marcy Rockman—Learning from Loss 2018: Considering Responses to Accelerated Climate Change in Scotland
- 3:15 Adam Markham—Responding to Climate Change Threats to Archaeology through the World Heritage Convention
- 3:30 Marcy Rockman—Improving Integration of Archaeology into the Work of the IPCC (Intergovernmental Panel on Climate Change): A Status Report
- 3:45 Anne Jensen—We Can't Save Them All: Thoughts on Prioritization
- 4:00 William Lees—Discussant
- 4:15 Adam Markham—Discussant
- 4:30 Questions and Answers

[252] SYMPOSIUM ■ TECHNIQUE AND INTERPRETATION IN THE ARCHAEOLOGY OF ROCK ART

(Sponsored by SAA Rock Art Interest Group)

Room: 18 Cochiti/30 Taos

Time: 1:00 PM–5:00 PM

Chair: Lenville Stelle

Participants:

- 1:00 Liam Brady, John Bradley, Karen Steelman and Amanda Kearney—The Process of Interpretation: The Antiquity of the Namurlanjanyngku and Post-Contact History in Yanyuwa Country, Northern Australia
- 1:15 Suzanne Baker, Ruth Ann Armitage, Roger Arrazcaeta and Silvia Torres—Recent Investigations in Rock Art Dating in Several Cuban Caves
- 1:30 Johannes Loubser—High Elevation Petroglyphs along the South Carolina/North Carolina State Line
- 1:45 Thomas Huffman and Frank Lee Earley—The Smell of Power: The Apishapa Pilgrimage Trail
- 2:00 Anne Stoll and George Stoll—The Harare Style: Digitally-Enhanced Photography in Pursuit of a San Rock Art Regional Variant, Zimbabwe, Africa
- 2:15 Ramon Valcarce, Alia Vazquez-Martinez and Carlos Rodriguez-Rellan—Drawing the Line: Recent Approaches to the Recording of Galician Petroglyphs (NW Spain)
- 2:30 Robert Mark—Using High Quality Structure from Motion 3D Models for Petroglyph Visualization
- 2:45 Jan Simek, Stephen Alvarez, Alan Cressler and Jordan Schafer—3D Photogrammetry and Woodland Mud Glyphs from 19th Unnamed Cave, Alabama

Friday Afternoon, April 12, 2019

- 3:00 Cameron S. Griffith—The Allegory of Xibalba: Confronting Shadowy Realities in the ancient Maya Underworld
- 3:15 Sandra Olsen—Depictions of Human Trophies in Arabian Rock Art
- 3:30 Emily Van Alst—Heháka Wačhípi: Re-examining the Elk Dance to Understand Lakota Women's Sacred Roles in Ceremony through Rock Art
- 3:45 Alex Ruuska—Earth Serpents: Mimesis, Mastery, and Ancestral Memory on the Colorado Plateau
- 4:00 Eli Dollarhide—Prehistoric Pointillism: Rock Art Near 'Amlah, Oman
- 4:15 Sarah Stagg and Jason Toohey—Spatial Analysis and the Interpretation of Rock Art at the Cajamarca Site of Callacpuma, Peru
- 4:30 Andrzej Rozwadowski and Janusz Woloszyn—Documenting the Complexity of the Petroglyphs of Toro Muerto, Southern Peru
- 4:45 Nancy Olsen, Ann Brierty and John Fryer—A Walk Around Tsankawi Mesa: Applying Written in Rock Preservation Principles to the Pajarito Plateau Rock Art

[253] SYMPOSIUM ■ ANCIENT DNA IN SERVICE OF ARCHAEOLOGY**Room:** 110 Galisteo**Time:** 1:00 PM–5:00 PM**Chair:** Kendra Sirak**Participants:**

- 1:00 Elizabeth Sawchuk and Mary Prendergast—How to Choose Samples for aDNA: Bioarchaeological Best Practices for Sampling Human Remains
- 1:15 Jakob Sedig—Building a More Precise Understanding of the Past by Merging Techniques from Archaeology and Ancient DNA Analysis
- 1:30 Sterling Wright, Nihan Kilic, Karissa Hughes, Nawa Sugiyama and Courtney Hofman—Biomolecular Preservation in Dental Calculus from the Teotihuacan Ritual Landscape
- 1:45 Rachel Summers, Meradeth Snow and Michael Searcy—MtDNA Analysis of the Paquimé (Casas Grandes), Mexico, Population
- 2:00 Marlen Flores Huacuja, Humberto Garcia-Ortiz, Angelica Martinez-Hernandez, Lorena Orozco-Orozco and Meradeth Snow—Identification of Mitochondrial Haplogroups in Native Mexican and Mestizo Populations
- 2:15 Paige Plattner and Meradeth Snow—Ancient DNA Analysis of Orton Quarry
- 2:30 Hannah Moots, Margaret Antonio, Ziyue Gao and Jonathan Pritchard—An Archaeogenetic Approach to Studying the Demographic History of Rome
- 2:45 Kendra Sirak, Dennis Van Gerven, Jessica Thompson, Ron Pinhasi and David Reich—Genetic Variation and Sociocultural Dynamics in Two Early Christian Cemeteries from Kulubnarti
- 3:00 Lars Fehren-Schmitz, Kelly Harkins, John Krigbaum, Regulo Jordan and Jeffrey Quilter—Beyond the Big Picture: An integrative Paleogenomic Study to Address Regional Dynamics and Political Organization in the Peruvian Moche Culture
- 3:15 Tre Blohm, Jordan Karsten, Ryan Schmidt and Meradeth Snow—Presence of the Mycobacterium Tuberculosis Complex (MTBC) in Ancient Skeletal Samples from Ukraine
- 3:30 Johannes Krause—Ancient Pathogen Genomes from Pre- and Early Colonial Epidemics in Mesoamerica and the Evolution of Paratyphi C
- 3:45 Oliver Smith, Glenn Dunshea, Robin Allaby and Tom Gilbert—Beyond the Genome: Unravelling Life Processes Using Epigenomes and Ancient RNA
- 4:00 Alexander Kim, Tatyana Savenkova, Svetlana Smushko, Yevgenia Reis and David Reich—Genome-wide Ancient DNA from Historical Siberia as a Lens on Yeniseian Population History
- 4:15 Mark Lipson, Mary Prendergast, Isabelle Ribot, Carles Lalueza-Fox and David Reich—Ancient Human DNA from Shum Laka (Cameroon) in the Context of

- 4:30 African Population History
 John Lindo, Randall Hass, Christina Warinner, Mark Aldenderfer and Anna Di Rienzo—The Genetic Prehistory of the Andean Highlands 7,000 Years BP though European Contact
- 4:45 Vagheesh Narasimhan—The Genomic Formation of Central and South Asia

[254] SYMPOSIUM ■ THE NAVAJO-GALLUP WATER SUPPLY PROJECT: A MULTIVOCAL ANALYSIS OF THE SAN JUAN BASIN AS A CULTURAL LANDSCAPE

(Sponsored by PaleoWest Archaeology)

Room: 140 Aztec

Time: 1:00 PM–5:00 PM

Chairs: Kye Miller and James Potter

Participants:

- 1:00 Jeremy Loven, Kathryn Puseman, Kye Miller, Christy Briles and John G. Jones—Middle Archaic Period Subsistence and Resource Use Practices in the Chuska Valley, New Mexico
- 1:15 Scott Yost, Jeremy Loven and Steven Gilbert—Mortuary Customs at a Small Pueblo II Habitation Site in the Chuska Valley, New Mexico
- 1:30 James Potter, Dennis Gilpin, Dean Wilson and Mike Mirro—Recent Investigations of the Los Rayos – Red Willow Chacoan Landscape
- 1:45 Ernie Rheaume and Dennis Gilpin—Archaeological Evidence of the 1848 Newby Campaign Against the Navajos
- 2:00 Damian Garcia, Everett Garcia, Christopher Garcia, Kimberly Pasqual and Darwin Vallo—Pueblo of Acoma's Rapid Ethnographic Surveys of the Navajo-Gallup Water Supply Project
- 2:15 Stewart Koyiyumptewa, Joel Nicholas, Trent Tu'tsi and Hawthorn Dukepoo—Exploring the Hopi Youth Component of the Navajo-Gallup Water Supply Project
- 2:30 Benji Chavarria, Danny Naranjo, Jesse Gutierrez and Isaac Gutierrez—Santa Clara Pueblo's Rights Protection and Tribal Historic Preservation Office's Involvement in the Navajo-Gallup Water Supply Project and Other Regional Projects
- 2:45 Erick Laurila, Jewel Touchin, Saul Hedquist, Shawn Kelley and Shere Churchill—Navajo-Gallup Water Supply Project: Best Management Practices Manual
- 3:00 Richard Begay—Inter-agency Inter-cultural Cooperation
- 3:15 Kristin Bowen—Managing the Navajo-Gallup Water Supply Project: A Federal Archaeologist's Perspective
- 3:30 Kirk Anderson—Landscapes, Landforms, and Landform Elements: Putting the "Land" Back into Landscape Archaeology
- 3:45 Kye Miller—The Architecture of the Navajo-Gallup Water Supply Project
- 4:00 Dean Wilson—Nature and Organization of Ceramic Production During Early Phases in the Chuska Valley
- 4:15 John Williams and Sarah Simeonoff—Flaked Stone Artifacts from the San Juan and Cutter Laterals of the Navajo-Gallup Water Supply Project
- 4:30 Kevin Thompson and Thomas N. Motsinger—Navajo-Gallup: A View from 100,000 Feet
- 4:45 Questions and Answers

Friday Afternoon, April 12, 2019

- [255] SYMPOSIUM ■ CEREMONIAL LITHICS OF MESOAMERICA: NEW UNDERSTANDINGS OF TECHNOLOGY, DISTRIBUTION, AND SYMBOLISM OF ECCENTRICS AND RITUAL CACHES IN THE MAYA WORLD AND BEYOND**
Room: 215 San Miguel
Time: 1:00 PM–5:00 PM
Chair: Zachary Hruby

Participants:

- 1:00 Zachary Hruby, Jaime Awe, Christina Halperin and Catharina Santasilia—A Comparison of Lithic Caches from Ucanal and Xunantunich: Is It Possible to Identify Eccentric Traditions as Communities of Practice at the Regional Level?
- 1:15 Joshua Kwoka—Late Classic Lithics Caches in Northwestern Belize: Technology and Symbolism
- 1:30 Lucas Martindale Johnson, Arlen Chase and Diane Chase—An Interpretative Framework and Description of Ritualized Obsidian from Caracol, Belize
- 1:45 Jorge Ramos, Zachary Hruby and Xinwei Li—Obsidian Blade Caches from the 8N-11 Group of Las Sepulturas, Copan, Honduras
- 2:00 Brigitte Kovacevich and Kazuo Aoyama—Middle Preclassic Chipped Stone Caches at Ceibal and Holtun, Guatemala
- 2:15 Kelsey Sullivan and Jaime Awe—Eccentric Production Techniques and Caching Practices at Xunantunich, Belize
- 2:30 Alejandra Aguirre and Diego Matadamas Gomora—The Miniaturization of Lithic Artifacts within the Offerings at the Great Temple of Tenochtitlan
- 2:45 Alejandro Pastrana—¿Siluetas o excéntricos?
- 3:00 Payson Sheets—Was the Elaborate Chert Eccentric from San Andres, El Salvador, Made by the Rosalila Copan "El Maestro"?
- 3:15 James Woods—Replication Experiments: The Devil Is in the Details
- 3:30 John Clark—Experiments in Replicating Eccentric Workshop Debris
- 3:45 Benjamin Eble and Zachary Hruby—A Review of Indirect Percussion Techniques in the Americas and Their Possible Applications in the Manufacture of Ceremonial Bifaces and Mesoamerican Eccentrics
- 4:00 Dawn Crawford, Brigitte Kovacevich and Zachary Hruby—Domestic Contexts for Chipped Stone Eccentrics in the Maya World
- 4:15 David McCormick, Zachary Hruby, Olivia Navarro-Farr, Michelle Rich and Keith Eppich—The Symbolism and Technology of Classic Maya Tomb Debitage from El Peru-Waka
- 4:30 Franco Rossi and Zachary Hruby—"An Instrument for Seeing": The Multivalent Nature of Volcanic Glass in Mesoamerica
- 4:45 Hattula Moholy-Nagy—Discussant

- [256] SYMPOSIUM ■ I LOVE SHERDS AND PARASITES: A Festschrift in Honor of Pat Urban and Ed Schortman**
Room: 280 Ballroom A
Time: 1:00 PM–5:00 PM
Chairs: John Douglass, Samuel Connell and Ellen Bell

Participants:

- 1:00 John Douglass, Ellen Bell and Samuel Connell—The Kenyon-Honduras Program 1988-2019: Learning from the Past About Ourselves
- 1:15 Ellen Bell—Power from the Periphery: 40 Years of Insight on the Maya Lowlands from Southeast Mesoamerica
- 1:30 Louis Neff and Samuel Connell—From Las Brisas to the World: The Genesis of a Periphery-Core Perspective under the Tutelage of Pat Urban and Ed Schortman
- 1:45 Marne Ausec—"Archaeology is just a more productive form of boring": Learning

- by Doing on the Kenyon-Honduras Program
- 2:00 Helen Henderson—Field Schools and Gender in Archaeology
- 2:15 Claire Novotny, Anna Novotny and Leigh Anne Ellison—Lessons That Can't Be Taught: Applying Anthropology in Honduras and Beyond
- 2:30 Erlend Johnson—Ixtepeque Obsidian and the Polity: a Network and Boundary Approach in Southeastern Mesoamerica
- 2:45 Questions and Answers
- 3:00 Christopher Attarian—The Local Effect of Changing Intra-valley Exchange Networks
- 3:15 Garrett Silliman and Daniel Contreras—Crouching (Jade) Monkey, Hidden Lessons: A Formative Period in Honduras
- 3:30 Alejandro Figueroa and Whitney Goodwin—WWPAED?
- 3:45 E. Christian Wells—Discussant
- 4:00 Stacie King—Discussant
- 4:15 Benjamin Carter—Discussant
- 4:30 Patricia Urban—Discussant
- 4:45 Edward Schortman—Discussant

[257] SYMPOSIUM ■ ANN F. RAMENOFKY: PAPERS IN HONOR OF A NON-NORMATIVE CAREER

Room: 275 Ballroom B

Time: 1:00 PM–5:00 PM

Chairs: Anastasia Steffen and Jeremy Kulisheck

Participants:

- 1:00 George Jones—Discussant
- 1:15 Michael W. Graves—Science in Archaeology: Ann Ramenofsky's Contributions
- 1:30 Anastasia Steffen—Celebrating an Outlier, and Managing Variation at Valles Caldera
- 1:45 Elisabeth Stone—Complex Lives, Simple Stories: Relations of Power Embedded in Museum Interpretation
- 2:00 Jeremy Kulisheck—Prosaic Biases: Independent Factors Contributing to the Definition of the Classic and Colonial Archaeological Record of New Mexico, USA
- 2:15 Ariane Pinson—What Unit Is a Degree?
- 2:30 Richard Hughes—Critical Dimensions in Obsidian Provenance Analysis
- 2:45 Questions and Answers
- 3:00 Rachel Loehman—Ecologies of Space and Time: The Shared History of Humans and Fire in the Jemez Mountains, NM
- 3:15 Jennifer Dyer—Integrating Traditional Ecological Knowledge into Archaeological Practice
- 3:30 Richard Flint—Not the World as We Know It
- 3:45 Emily Lena Jones, Jonathan Dombrosky and Laura Steele—Measuring Change in the New Mexican Early Spanish Colonial Period: A View from the Isleta Pueblo Mission Convento Fauna
- 4:00 Shawn Penman and Kari Schleher—Theory and Anecdotes: A Student Retrospective of Ann F. Ramenofsky's New Mexico Research
- 4:15 Ann Marie Mires—Discussant
- 4:30 Robbie Ethridge—Discussant
- 4:45 William Dancey—Discussant

Friday Afternoon, April 12, 2019

[258] POSTER SESSION ■ SOUTHWEST ARCHAEOLOGY**Room:** La Sala**Time:** 2:00 PM–4:00 PM**Participants:**

- 258-a Victoria Evans and Linda Gregonis—Connecting Hohokam Art and Iconography
 258-b Dolores Dávalos Navarro—Status Differentiation in the Mortuary Practices and Architecture of Paquimé, Chihuahua, Mexico
 258-c Deianira Morris—Rock Art, Cognition, and Embodied Ontologies
 258-d Leslie Aragon and Kate Vaughn—What Can We Learn by Digging a Trench through a Hohokam Ballcourt?
 258-e Courtney McConnan Borstad, Adrienne Offenbecker and M. Anne Katzenberg—Isotopic Analysis of Dietary Variation at Casas Grandes, Mexico
 258-f R. J. Sinensky—The Early Brown Ware Horizon in East-Central Arizona, AD 300-550: Preliminary Results from Recent Survey, Excavation, and Collections-Based Research
 258-g Haley Dougherty—PastPerfect Design Software: Engineering the Virgin Branch Ceramic Typology in a Digital Age
 258-h Allison Ham, Haagen Klaus, Daniel Temple and David Hunt—Survivorship and Periosteal Lesion Activity at Pueblo Bonito and Hawikku: Examining the Biological Impact of Contact in the Ancestral Pueblo Southwest
 258-i Michael L. Terlep, Joel Nicholas, Kelley Hays-Gilpin and Timothy Ward—A Post-Chacoan Cylindrical Vessel from Northern Black Mesa, Arizona
 258-j Julie Solometo, Wesley Bernardini, Dalton Olson and David Biddle—Shields and Shield Bearers in Hopi Rock Art

[259] POSTER SESSION ■ SETTLEMENT AND SOCIETY IN THE AMERICAN SOUTHWEST**Room:** La Sala**Time:** 2:00 PM–4:00 PM**Participants:**

- 259-a James Hartley—Date Precision and Faunal Distribution from Pleistocene Sites (Archaeological vs. Paleontological) in the American Southwest
 259-b Katherine Portman and Kelsey Reese—First Impressions of the Mesa Verde North Escarpment
 259-c Samantha Fladd—Gendered Identities and Room Conversions at Homol'ovi
 259-d Christine Lange—The Use of Shell Ornaments at Early Agricultural Period Sites in the Tucson Basin
 259-e Barbara Mills, Sudha Ram, Jeffery Clark, Scott Ortman and Matthew Peeples—cyberSW: A Data Synthesis and Knowledge Discovery System for Long-Term Interdisciplinary Research on Southwest Social Change
 259-f David Purcell—Timelapse Photographic Documentation of Archaeoastronomical Sites
 259-g Taylor Greer—Revisiting Spirit Eye: Ongoing Research from a Cave in West Texas
 259-h Cynthia Bradley—Remaking the Mazeway: Pueblo Bonito House Society, Redux, at Wallace Ruin
 259-i Laura Brumbaugh—The Influence of Trade Networks on Great House Location in the Mesa Verde Region
 259-j Christine Markussen, Ian Hough and Blayne Brown—Photogrammetric Mapping at Three Sites in Wupatki National Monument
 259-k Stanley Kerr, Christina Chavez and Toni Goar—Correlations between Structural Sites and Topographic Features Dating from the Late Developmental to Early Coalition
 259-l Laura Steele—Evidence of Moieties in the Prehistoric Southwest? The Case

Study of Sapa'owingeh

[260] POSTER SESSION ■ ANIMALS IN ACTION IN THE U.S. SOUTHWEST

Room: La Sala

Time: 2:00 PM–4:00 PM

Participants:

- 260-a Dale Earl and David Reynolds—Zooarchaeological Remains and Their Impact on Land Management Decisions: An Example from Kirtland Air Force Base, New Mexico
- 260-b Kelsey Gruntorad, Katie K. Tappan, Tucker Austin and Chrissina Burke—Rabbits, Pronghorn, Oh Deer! Oh My! Part II: A Complete Faunal Analysis of Utility Indices at Wupatki National Monument, Northern Arizona
- 260-c Laura Benedict and Virginia Lucas—Faunal Exploitation Practices of Prehistoric Peoples: A Comparative Study of Three Rockshelter Sites along the California Wash in Southern Nevada
- 260-d Miranda LaZar, Jonathan Dombrosky, Emily Jones and Seth Newsome—Tracking Individual Raptors in the Archaeological Record Using Stable Isotope Analysis: Some Implications for the Study of Ritual Economies in New Mexico
- 260-e Michael Pool—Fauna at the HO Bar Site: A Mogollon Early Pithouse Period Site
- 260-f Amanda Semanko and Robert DeBry—The Ritual Lives of Southwest Dogs
- 260-g Katelyn Bishop—Birds in Ritual Practice and Ceremonial Organization in Chaco Canyon, New Mexico
- 260-h Kimberly Sheets—Using Strontium Isotope Analysis to Source Nonlocal Bighorn Sheep, Northeast Arizona

[261] POSTER SESSION ■ LITHIC ANALYSIS IN THE SOUTHWEST

Room: La Sala

Time: 2:00 PM–4:00 PM

Participants:

- 261-a Monica Murrell, Phillip Leckman and Michael Heilen—Camping and Hot-Rock Cooking: Hunter-Gatherer Land Use across the Southwest Pecos Slopes
- 261-b Sarah Elston—Lithic Technology in Spanish Colonial Dixon, New Mexico
- 261-c Adam Vitale—Social and Physical Landscape of Lithic Procurement in the Jemez Mountains, New Mexico
- 261-d Emily Phillips—Investigating the Spatial and Behavioral Factors that Influence Regional Lithic Assemblage Variability
- 261-e RJ Sliva—Light, Sharp, Lethal: Functional and Social Implications of Cienega Point Technology in Early Agricultural Period Southern Arizona
- 261-f Tyson Hughes, Kate Hughes and Bruce Bradley—Curated Lithic Tools from the Lakeview Group
- 261-g Donald Purdon—Projectile Point Variation at Fresno Rock Shelter
- 261-h Alexandra Younger, C. Reid Ferring and Steve Wolverton—The Chaîne Opératoire of Late Archaic through Mesilla Phase Assemblages from the Placitas Arroyo Site Complex, Lower Rio Grande Valley, New Mexico
- 261-i Anna Dempsey and Leigh A. R. Cominiello—Laying the Groundwork: A Preliminary Analysis of Manos from the Basketmaker Communities Project

Friday Afternoon, April 12, 2019

[262] POSTER SESSION ■ QUIVIRA REVISITED**Room:** La Sala**Time:** 2:00 PM–4:00 PM**Chair:** Donald Blakeslee**Participants:**

- 262-a Meredith Mahoney—Mapping Lithic Surface Scatters with Drones
 262-b Donald Blakeslee and Steve De Vore—Quivira in a New Light
 262-c David Maki, Timothy Matney, David Perry, Linda Barrett and Lopa Afrin—Testing Geophysical Anomalies Using In Situ Shallow Subsurface Spectroscopy and Soil Magnetic Susceptibility Analysis
 262-d R. A. Varney and Linda Scott Cummings—Taking the Lab to the Field: Examinations at Etzanoa, Kansas

[263] POSTER SESSION ■ LOCAL DEVELOPMENT AND CROSS-CULTURAL INTERACTION IN PRE-HISPANIC SOUTHWESTERN NEW MEXICO AND SOUTHEASTERN ARIZONA**Room:** La Sala**Time:** 2:00 PM–4:00 PM**Chairs:** Karen Schollmeyer and Jeffery Clark**Participants:**

- 263-a Danielle Romero—Cache Flow: An Analysis of Vessel Assemblages from the Elk Ridge Site
 263-b Lori Barkwill Love, Jeffrey R. Ferguson and Darrell Creel—Plain Pots Do Travel: Insights into Mogollon Early Pithouse Period Pottery Circulation
 263-c Patricia Gilman, Jakob Sedig and Darrell Creel—Contextualizing the Differences Between Upper Gila and Mimbres River Valley Ceramic Design Elements
 263-d Christopher La Roche and Jeffery Clark—Coalescence within the Gila River Farm Site and other Salado Settlements of the Upper Gila
 263-e Devlin Lewis and Leslie Aragon—Ongoing Investigations at the Gila River Farm Site
 263-f Robert DeBry and Kristin Corl—An Alternative Explanation for a Modified Rabbit Innominate Spatulate Tool
 263-g Kailey Martinez—Resource Use and Sustainability of the Gila's South Diamond Creek Pueblo
 263-h Mary Whisenhunt, John Roney and Robert Hard—Archaeological Survey in Arizona's Upper Gila River Valley: 2014 - 2018
 263-i Robert Hard, John Roney, A.C. MacWilliams, Mary Whisenhunt and Karen Adams—The Sanchez Site: An Early Agricultural and Early Pithouse Period Cerro de Trincheras on the Upper Gila River, Arizona
 263-j Shiloh Craig—The Cultural Importance of Obsidian in the Upper Gila Area
 263-k Stacy Ryan—Classic Period Projectile Point Traditions in Southeastern Arizona
 263-l Matthew Steber—Textile Production in the Emerging Hohokam Ballcourt World

[264] GENERAL SESSION ■ SOUTHWEST HISTORICAL ARCHAEOLOGY**Room:** 65 Hopi**Time:** 3:15 PM–5:00 PM**Chair:** Patricia Markert**Participants:**

- 3:15 Harding Polk—Dendrochronology of Historic Structures Associated with the Acequia de San Jose de la Cienega in San Fidel, NM
 3:30 Shannon Cowell—Exploring Gender, Trade, and Heirloom Micaceous Ceramics at Los Ojitos, New Mexico
 3:45 Neal Ackerly—Carlisle, NM: The Short Life of an Early Gold-Mine

- 4:00 Susan-Alette Dublin and Robert Dublin —Navajos, Traders, & Tourists: Cultural Patterns in the Architecture of Trading Posts
- 4:15 Mark Howe—Smelertown: A Community Lost to Time along the U.S – Mexico Border
- 4:30 Patricia Markert—Main Street and the Central Square: An Examination of Spatial Decision-Making and the Frontier Narrative in the Alsatian Towns of Texas
- 4:45 Hannah Dutton—Distribution of Artifacts at the Historical Campsite of Paraje San Diego

[265] SYMPOSIUM ■ CHANGES IN THE LAND: ARCHAEOLOGICAL DATA FROM THE NORTHEAST

(Sponsored by Gray & Pape Heritage Management; Power Engineers)

Room: 220 Ruidoso

Time: 3:30 PM–5:00 PM

Chairs: Christopher Donta and Stuart Eldridge

Participants:

- 3:30 Kimberly Smith—The Western Gateway: Identification and Recommendation of the Hoosac Tunnel National Register Historic District
- 3:45 Jaime Donta—Always Changed But Never Gone: A Century of Farming in Southeastern Massachusetts.
- 4:00 Stuart Eldridge—The More Things Change, the More They Change: Persistence and Evolution in the Gulf of Maine Archaic Tradition
- 4:15 Christopher Donta and Kimberly Smith—Changes along a Native Transportation Corridor in Western Massachusetts: The Fife Brook Sites and the Deerfield River
- 4:30 Jill Zuckerman—Early to Late Archaic Cultural Traditions in Southeast Massachusetts
- 4:45 F. Barker—Patriot, Federalist and Masons, Politically Oriented Artifacts from the Revolutionary War to the Federal Period Occupation of the Anthony Farmstead in Southeastern Massachusetts

[266] SYMPOSIUM ■ ON THE PERIPHERY OR THE LEADING EDGE? RESEARCH IN PREHISTORIC IRELAND

Room: 230 Pecos

Time: 3:30 PM–5:00 PM

Chairs: Erin Crowley, Zenobie Garrett and Allison Casaly

Participants:

- 3:30 Steve Davis and Knut Rassmann—Beyond Newgrange: The Late Neolithic Complex at Brú na Bóinne, Co. Meath in Light of Recent Discoveries
- 3:45 Allison Casaly—Fluid Borders: Personal Ornamentation and Waterways in Bronze Age Northwest Europe
- 4:00 Erin Crowley—A Model for Mobility in the Irish Iron Age
- 4:15 Zenobie Garrett—A Site with a View? A 3D Reconstruction of the Structures at Dun Ailinne
- 4:30 Susan Johnston—Dun Ailinne and Its Meaning in the Context of Irish Identities
- 4:45 John Soderberg—Discussant

Friday Afternoon, April 12, 2019

[267] GENERAL SESSION ■ MORTUARY ANALYSIS ACROSS SPACE AND TIME**Room:** 19 Isleta**Time:** 3:30 PM–5:00 PM**Chair:** Katherine Rose**Participants:**

- 3:30 Sue McCarty—Killed Pots and Running Herds: Late Neolithic Halaf Phenomenon Ritual Practice at Kazane Höyük, Southeastern Turkey
- 3:45 Katherine Rose—UAVs, Photogrammetry, and Mortuary Landscapes: A Study of Napatan Cemeteries
- 4:00 Shujing Wang—Mortuary Practices, Production and Exchanges in the Borderland: A Case Study from the Bukhara Oasis (Uzbekistan)
- 4:15 Bong Kang—Reconsideration of the Relationship between Complex Societies and Dolmen in Northern Part of Korea and Manchuria
- 4:30 Györgyi Pardička and John O'Shea —New Identities and Changing Funerary Practices in the Mid–Late 2nd Millennium BC in the Carpathian Basin
- 4:45 Helena Tomas—Early Bronze Age Burial Structures of the Eastern Adriatic and Their Possible Connections with the Aegean

[268] GENERAL SESSION ■ PALEOINDIAN ARCHAEOLOGY IN SOUTH AMERICA**Room:** 60 Chaco**Time:** 3:30 PM–5:00 PM**Chair:** Mercedes Okumura**Participants:**

- 3:30 Lauren Pratt and Kurt Rademaker —An Application of Surovell's Behavioral Ecology Models of Site Occupation Length in the Peruvian Andes
- 3:45 Taylor Panczak and Kurt Rademaker—Exploring Inter-zonal Connections through a Constructed Projectile Point Typology from Cuncaicha Rockshelter
- 4:00 Lucas Bueno and Juliana Betarello—About Peopling and Rivers: Connections and Boundaries in the Early Peopling of Eastern South America
- 4:15 Leticia Correa, Glauco Constantino Correa and Astolfo Araujo—Archaeological GIS Approaches to a Regional Analysis in São Paulo State, Southeastern Brazil
- 4:30 Mercedes Okumura and Astolfo Araujo—On the Role of Bifacial Points in the Construction of Past Identities and Boundaries in Southeastern and Southern Brazil during the Holocene
- 4:45 Astolfo Araujo and Mercedes Okumura—Long-Term Cultural Persistence in Modern Humans: Some Case Studies from Early and Mid-Holocene Archaeological Traditions in Eastern South America and Theoretical Implications

[269] GENERAL SESSION ■ THE ARCHAEOLOGY OF THE ARCTIC AND SUBARCTIC**Room:** 70 Tewa**Time:** 3:30 PM–5:00 PM**Chair:** Rebecca Goodwin**Participants:**

- 3:30 Rebecca Goodwin and Lisa Hodgetts—Beyond Binaries: Queering the Archaeological Record of the Western Canadian Arctic
- 3:45 Joshua Lynch—Exploring the Function and Adaptive Context of Paleo-Arctic Projectile Points
- 4:00 Garrett Knudsen and Joseph Pnewski—Innovation, Intensification, and "Maritimeness" 4,500 Years Ago at Chignik, Alaska
- 4:15 Gerad Smith—A 2000-Year-Old Family: Interpreting Site Structure and Human Behaviors at the Swan Point Site, Interior Alaska
- 4:30 Caroline Funk, Nancy Bigelow, Debra Corbett and Nicole Misarti—Gardens in

Friday Afternoon, April 12, 2019

- 4:45 the Aleutian Islands: Landscape Management by Unangan/Unangas Ancestors
Christian K. Madsen, Jette Arneborg and Ian Simpson—Farms of Hunters:
Medieval Norse Settlement, Land- and Sea-Use in Low Arctic Greenland
- [270] GENERAL SESSION ■ NEW FRONTIERS IN MESOAMERICAN AND CENTRAL AMERICAN
ARCHAEOLOGY**
Room: 210 Tijeras
Time: 3:30 PM–5:00 PM
Chair: Claudia Garcia-Des Lauriers
- Participants:**
- 3:30 Lucha Martinez De Luna, Juan Ignacio Macias Quintero and Blanca Salazar
Corzo—O'na Tök: A Zoque Center in Western Chiapas, México
- 3:45 Mikael Fauvelle—Art, Archaeology, and Chronology Building: Recent
Investigations at Fracción Mujular
- 4:00 Edgar Carpio—El Diablo Rojo: An Olmec Rock Painting in Amatitlán, Guatemala
- 4:15 Claudia Garcia-Des Lauriers, Teresa Godinez, Purdeep Dhanoa, Luis Ruvalcaba
and Michael Reibel—Caminos a Los Horcones, Chiapas: A Least Cost Path
Analysis of Early Classic Trade Routes
- 4:30 Catherine Nuckols-Wilde—Emerging Perspectives: A New Cross-Contextual
Analysis of the Niche Monument Corpus
- 4:45 Jared Katz—The Sound of Music: Performing Archaeomusicological Research in
Museums
- [271] GENERAL SESSION ■ ADVANCES IN HERITAGE PRESERVATION**
Room: 32 Tesuque
Time: 3:30 PM–5:00 PM
Chair: Emily Blackwood
- Participants:**
- 3:30 Emily Blackwood—Reconstructing the Ostra Collecting Site Using Virtual Reality
- 3:45 Nicole Payntar, Patrick Mullins and Brian Billman—Moche Valley Ancient
Settlement Survey (MVASS): Assessing Archaeological Heritage Destruction
and Land-Use in Peru's Lower Moche Valley
- 4:00 Douglas Smit—Photovoice and Participatory Strategies for Community Heritage
in the Peruvian Andes
- 4:15 Elizabeth Currie and John Schofield—Runa: Indigenous Identity and Heritage in
the 21st Century
- 4:30 Emma Lewis-Sing, Oscar Moro Abadia and Julia Brenan—Single-Use Heritage:
An Archaeological Approach to Plastic Wastescapes as Places of (Ecological)
Shame
- 4:45 Andrew Costello—Wicked Problems in Archaeology: Applying a Social Impact
Framework and Entrepreneurship Mindset to Cultural Heritage Management
- [272] SYMPOSIUM ■ RECENT RESEARCH IN THE RIO GRANDE DEL NORTE NATIONAL
MONUMENT, NORTHERN NEW MEXICO**
Room: 130 Cimarron
Time: 3:45 PM–5:00 PM
Chairs: Heather Seltzer and Emily Brown
- Participants:**
- 3:45 Cassandra Keyes—A GIS Predictive Model of Early Archaic Site Locations on
the Taos Plateau

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- 4:00 Kyle Lacy—An Analysis of No Agua Obsidian
 4:15 Emily Brown—A Summary of Results of Survey of the Northern End of Guadalupe Mountain, Rio Grande del Norte National Monument
 4:30 Heather Seltzer—Prehispanic Pueblo Use in the Rio Grande del Norte National Monument
 4:45 Anne Curry—Indicators of Athabaskan Presence in Rio Grande Del Norte National Monument

[273] SYMPOSIUM ■ SYSTEMS OF CARE IN TIMES OF VIOLENCE**Room:** 240 La Cienega**Time:** 3:45 PM–5:00 PM**Chair:** Alecia Schrenk**Participants:**

- 3:45 Kathryn Lauria—Neanderthal Communities of Care: How & Why Did Non-modern Hominins Care for Victims of Interpersonal Violence?
 4:00 Chelsi Slotten—Surviving Violence: Healthcare in the Danish Viking Age
 4:15 Heather Worne—Care Provision for Victims of Violence in Late Prehistoric Tennessee
 4:30 Alecia Schrenk—What Happened to the Victims? Constructing a Model of Care for Cranial Trauma from Non-lethal Violence at Carrier Mills, Illinois (8000 – 2500 BP)
 4:45 Debra Martin—Discussant

[274] GENERAL SESSION ■ THE ARCHAEOLOGY OF NORTH AMERICAN PALEOINDIAN MATERIAL CULTURE**Room:** 22 San Juan**Time:** 3:45 PM–5:00 PM**Chair:** Andrew Boehm**Participants:**

- 3:45 Kirsten Lopez—Theoretical Reflections on Textiles and Environment in the Northern Great Basin
 4:00 Andrew Boehm—Perishable Tools from Fort Rock Cave, Oregon
 4:15 Ruth Musser-Lopez—Trek Up the River: A Cobble Tool Technology as Clue to Interior California's Antiquity
 4:30 William Jerrems and Richard Rosencrance—Paleoindian Osseous Barbed Weaponry in the Intermountain West: Distribution, Chronology, and Function
 4:45 Barbara Purdy and David S. Leigh—The Search for Paleo Dog and the Recognition of Ancient Art

[275] GENERAL SESSION ■ NEOLITHIC ARCHAEOLOGY IN EUROPE AND THE MEDITERRANEAN**Room:** 21 Jemez**Time:** 3:45 PM–5:00 PM**Chair:** Gazmend Elezi**Participants:**

- 3:45 Eszter Bánffy—The Diversity of the European Neolithic Transition
 4:00 Lech Czerniak—The Early Neolithic LBK Communities in the Tusznicza River Valley. Social Aspects of Settlement Changes
 4:15 Alan Simmons—Neolithic Voyagers: Why Colonize the Mediterranean Islands—The Example from Cyprus
 4:30 Gazmend Elezi—Manufacture of Late Neolithic Pottery from the Southern

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- 4:45 Balkans: An Integrative Approach
Richard Yerkes—Were Neolithic and Late Prehistoric Fortifications a Deterrent to Escalating Conflicts in Early Agricultural Societies in Temperate Europe and Eastern North America?

[276] GENERAL SESSION ■ NEW CURRENTS IN CARIBBEAN ARCHAEOLOGY**Room:** 23 Nambe**Time:** 3:45 PM–5:00 PM**Chair:** Ivan Roksandic**Participants:**

- 3:45 Daniel Koski-Karell—Tortuga - Haiti's Ile de la Tortue - Prehistoric and Buccaneer Archaeology
4:00 Ivan Roksandic—Cuban-Canadian Collaboration at the Sites in the Canimar River Basin and in the Cauto Region
4:15 Rebecca Boger and Sophia Perdikaris—Archaeology of Resistance? Barbuda in the Aftermath of Hurricane Irma
4:30 Miriam Rothenberg—Contemporary Archaeology of the Recent Soufrière Hills Volcanic Eruptions on Montserrat
4:45 Lara Sánchez-Morales—Towards a Historical Ecology of An Alluvial Plain in North-Central Puerto Rico: Preliminary Geoarchaeological Results

[277] GENERAL SESSION ■ SOUTH AFRICAN ARCHAEOLOGY**Room:** 25 Navajo**Time:** 4:00 PM–5:00 PM**Chair:** Alexander Blackwood**Participants:**

- 4:00 Andy Herries, Matt Caruana, Alexander Blackwood, Matthew Meredith-Williams and Coen Wilson—Reconstructing the Amanzi Springs Acheulian Site, South Africa, 50 Years after Hilary Deacon
4:15 Alexander Blackwood, Jayne Wilkins, Matthew Meredith-Williams, Matt Caruana and Andy Herries—Changing Stone Tool Technologies during the Middle Pleistocene at Amanzi Springs, Eastern Cape, South Africa
4:30 Sara Watson, Marika Low and Alex Mackay—Patterns in Robberg Tool Manufacture and Discard at the Open-Air Locality of Uitspankraal 9 Western Cape, South Africa
4:45 Timpoko Hélène Kienon-Kabore, Galla Guy-Roland Tié Bi and Arouna Yéo—Archaeological Research on the Ancient Iron Metallurgy in Côte d'Ivoire (2003-2016)

[278] GENERAL SESSION ■ FROM METALS TO MOLECULES: ADVANCES IN ARCHAEOLOGICAL SCIENCE**Room:** 17 Apache**Time:** 4:00 PM–5:00 PM**Chair:** Jamie Inwood**Participants:**

- 4:00 Samantha Lash—From Soil to Society: Local Variability in Inferred Climatic and Environmental Change and Landuse in the Valencian Community, Spain
4:15 Andrea Vianello and Robert H. Tykot—The Late Introduction of Metals in Southern Italy: Studies from Sicily and Calabria
4:30 Jamie Inwood, Steve Larter, Thomas Oldenburg, Maria Soto and Julio

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- Mercader—Molecular Starch Degradation and Their Fingerprints: Insights from Modern African Taxa
4:45 Thomas E. Levy—Pastoral Societies, Holocene Climate and Technology: Perspectives from Iron Age Southern Jordan (Session 4400)

[279] GENERAL SESSION ■ WESTERN EUROPEAN ARCHAEOLOGY

Room: 28 Santo Domingo

Time: 4:00 PM–5:00 PM

Chair: Katherine Shakour

Participants:

- 4:00 Deanna Keegan—Adaptive Pastoralism and Climate Change in the Irish Chalcolithic – Early Bronze Age: Adding Evidence from Termon, Co. Clare
4:15 Katherine Shakour—Ignored by Some, Remembered by All: Challenges of Disaster Archaeology of the Great Famine
4:30 Britta Spaulding—“Wars are good for the economy”: Warfare and Industrialization in Sweden
4:45 Laura McAtackney—Subverting Forced Confinement? Methodological Approaches to Re-peopling Archaeological Studies of Institutions

Saturday Morning ■ April 13, 2019

[280] GENERAL SESSION ■ SETTLEMENT AND SOCIETY IN THE ANCIENT MAYA LOWLANDS

Room: 16 Acoma

Time: 8:00 AM–9:45 AM

Chair: Francisco Estrada-Belli

Participants:

- 8:00 J. Reed Miller and Kenichiro Tsukamoto—Lidar Vegetation Analysis and Ground Truthing Efficacy at the Maya Archaeological Site of El Palmar, Mexico
- 8:15 Kacey Grauer—Using Landscape to Unbuild Binaries: Human-Environment Relationships at Aventura, Belize
- 8:30 Shane Montgomery—The Treasure You Seek Will Not Be the Treasure You Find: Bushing the Path between Expected and Observed at Las Cuevas
- 8:45 Francisco Estrada-Belli, Marcello Canuto, Thomas Garrison, Ramesh Shrestha and Marianne Hernandez—The Importance of Large-Scale Collaborative Lidar Research in the Maya Lowlands of Northern Peten
- 9:00 Yijia Qiu, John Walden, Anais Levin, Kyle Shaw-Müller and Rafael Guerra—Examining the Ramifications of the Formation of a Late Classic Maya Polity on Local Exchange Systems at Lower Dover, Belize
- 9:15 Stanislava Romih—Unleashing the Beast: Exploring Peri-abandonment Deposits in the Maya Lowlands
- 9:30 Christopher Hernandez and Josuhé Lozada Toledo—Warfare, Fortifications, and Archaeological Formation Processes: The Case of Mensabak, Chiapas, Mexico

[281] FORUM ■ DOGS AND ETHNOCYNOLOGY: CURRENT RESEARCH, OUTREACH, AND A WAY TO COME TOGETHER

Room: 230 Pecos

Time: 8:00 AM–10:00 AM

Moderators: David Howe and Meagan Dennison

Participants:

- Abigail Fisher—Discussant
- Rachael Shimek—Discussant
- Anna Linderholm—Discussant

[282] FORUM ■ AN OVERVIEW OF ARCHAEOLOGY AND MANAGEMENT ISSUES FROM MILITARY LANDS

(Sponsored by Military Archaeological Resources Subgroup)

Room: 65 Hopi

Time: 8:00 AM–10:00 AM

Moderators: Kristen Mt. Joy and Jake Fruhlinger

Participants:

- Pamela Miller—Discussant
- Konnie Wescott—Discussant
- Anya Kitterman—Discussant
- Christopher Ryan—Discussant
- Shelby Manney—Discussant
- Carey Baxter—Discussant

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[283] FORUM ■ UNDERSTANDING HERITAGE VALUES THROUGH DISCOURSE ANALYSIS AND RHETORIC: INTERNATIONAL PERSPECTIVES

Room: 70 Tewa

Time: 8:00 AM–10:00 AM

Moderators: Elizabeth Kryder-Reid and Kathryn Lafrenz Samuels

Participants:

Kathryn Lafrenz Samuels—Discussant

Elisabeth Niklasson—Discussant

Peter Schmidt—Discussant

Elizabeth Kryder-Reid—Discussant

Jon Daehnke—Discussant

Trinidad Rico—Discussant

[284] FORUM ■ THE UNDISCUSSED PAPERWORK OF ARCHAEOLOGY: APPLICATIONS, WAIVERS, AND CONTRACTS

Room: 32 Tesuque

Time: 8:00 AM–10:00 AM

Moderator: Helen Haines

Participants:

Katherine Patton—Discussant

Gregory Zaro—Discussant

Sherman Horn—Discussant

Terry Powis—Discussant

Laura Kosakowsky—Discussant

Kerry Sagebiel—Discussant

Carolyn Freiwald—Discussant

[285] POSTER SESSION ■ NEW DISCOVERIES IN SOUTH AMERICAN ARCHAEOLOGY

Room: La Sala

Time: 8:00 AM–10:00 AM

Participants:

285-a Sarah Kennedy and Sarah Kelloway—The Utility of Portable XRF for Preliminary Site Prospection at Contaminated Colonial Period Mining Sites (Puno, Peru)

285-b Amy Klemmer and Valentina Martinez—Zooarchaeological Analysis of a Guangala Pit at Rio Chico, Ecuador (N4C3-170)

285-c Maria Gutierrez, Gustavo Martinez, María Clara Álvarez, Cristian A. Kaufmann and Daniel J. Rafuse—New Surveys along the Middle Basin of the Quequén Grande River, Pampas Region (Argentina)

285-d Alex Garcia-Putnam, Melissa Murphy and Todd Surovell—Modeling the Spread of Smallpox during Spanish Colonial Rule in the Chicama Valley, Peru

285-e Michael Cook and Kurt Rademaker—Raw Material Sourcing of Two Terminal Pleistocene Sites in Southern Peru

285-f Melissa Litschi—Applicability of Maxent Predictive Modeling in Locating Pre-Hispanic Quarries in the Callejón de Huaylas, Peru

285-g Abraham Seare and Katherine Hodge —Online Cultural and Historical Research Environment: Flexibility versus Standardization

285-h Daniel Mrak and Jason Toohey —Contextualizing a Middle Archaic Component at the Cajamarca Site of Callacpuma in the Northern Peruvian Andes

[286] POSTER SESSION ■ BIOARCHAEOLOGICAL AND MORTUARY STUDIES IN SOUTH AMERICA

Room: La Sala

Time: 8:00 AM–10:00 AM

Participants:

- 286-a Genesis Torres Morales, Celeste Gagnon and Gabriel Prieto—The Lives and Deaths of Moche Valley Children: What Endocranial Lesions Can Tell Us
- 286-b Alicia Roberts and Danielle Kurin —A Study to Determine Sex of Prehistoric Peruvian Commingled Remains by Comparing Femoral Neck Osteometrics
- 286-c Weston McCool and Joan Coltrain —Using Trauma Distributions, Victim Profiles, and Differential Scavenging to Infer Characteristics of Prehistoric Warfare: A Case Study from the Peruvian Late Intermediate Period (AD 1000–1450)
- 286-d Andre Strauss, Domingo Carlos Salazar-Garcia, Márcia Arcuri, Rui Murrieta and Walter Alva—Radiocarbon Dating and Carbon/Nitrogen Stable Isotope Analysis of Human Skeletons from the Lambayeque Valley, North Peru (Formative to Inca)
- 286-e Iride Tomazic and Jordan Dalton—Late Horizon Mortuary Traditions at Las Huacas, Chinchá: Preliminary Results from a Subterranean Collective Tomb
- 286-f Anna Whittemore, Maya B. Krause, Tiffany A. Tung and Steve Kosiba—In the Heart of the Inca: An Osteobiography at Huanacauri (Cusco, Peru)
- 286-g Thomas Snyder, Natasha P. Vang and Tiffany A. Tung—Reconstructing Childhood Diet in the Aftermath of Wari Imperial Decline: Stable Carbon Isotope Analysis of Human Dentition from Huari-Monqachayoq-Solano, Peru
- 286-h Sylvia Cheever, Maria Lozada, Danny Zborover, Erika Simborth and Hans Barnard—Under Pressure: Evidence of 'La Vida Cotidiana' in Cranial Shape Typology at Jarana, an Inca Site in Southern Perú
- 286-i Abigail Bythell, Sara L. Juengst and Richard Lunniss—Ritual and Death: A Paleopathological Analysis of Skeletal Remains from Salango, Ecuador during the Guangala Period (100 BCE-800 CE)
- 286-j Jannine Forst, Richard Burger, Lucy Salazar, Brenda J. Bradley and Lars Fehren-Schmitz—The Population Genetics of Machu Picchu
- 286-k Valda Black, Ricky Nelson and Danielle Kurin—Pre-Inca to Inca Demographic Shifts in the South Central Andes Using Stature Estimation
- 286-l Daniela Wolin, Michelle Young and Natali Lopez Aldave—Identification of Bilateral Congenital Radioulnar Synostosis in an Early Horizon Burial from the Site of Atalla, Peru

[287] POSTER SESSION ■ PERUVIAN ARCHITECTURE OVER TIME AND SPACE

Room: La Sala

Time: 8:00 AM–10:00 AM

Participants:

- 287-a Daniela Raillard—Embodied Deathscapes: Above-Ground Mortuary Structures in the Northeastern Peruvian Andes
- 287-b Rachael Penfil, Jo Osborn and Jacob Bongers—The Effect of Imperial Conquest on Regional Settlement Patterns: A Case Study from the Peruvian South Coast between ca. 1000–1532 CE
- 287-c BrieAnna Langlie—Mapping Terraces, Mapping Agricultural Practice in the Lake Titicaca Basin, Peru
- 287-d Isabel Barbosa and Patrick Mullins—Salinar Phase Ceremonial Architecture in the Middle Moche Valley: A View from MV-67
- 287-e Bethany Whitlock—On the Frontiers of Empire: Inka Hegemony in Chachapoyas, Peru
- 287-f Jason Toohey and Patricia Chirinos Ogata —Early Ceremonial Architecture in

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- the Cajamarca Highlands of Peru: A Newly Recorded Circular Court at Callacpuma within the Cajamarca Basin
- 287-g Matthew Ballance, Patrick Mullins and Brian Billman—Cerro Cumbray: A Chimú Frontier Outpost
- 287-h Hubert Quispe-Bustamante—La escultura monumental Inka: Chinkana Grande y Teteqaqa, Cusco, Perú

[288] POSTER SESSION ■ MATERIAL CULTURE STUDIES IN PERU AND ECUADOR**Room:** La Sala**Time:** 8:00 AM–10:00 AM**Participants:**

- 288-a Stephan Valade, J. Eduardo Eche Vega and Jose L. Peña—Pottery Production and Social Complexity: Ceramic Paste Analysis at the Site of El Campanario, Huarmey Valley, Peru
- 288-b Brandi Reger, Sarah Rowe and Guy Duke—Stone Tools from the Buen Suceso Site, Santa Elena, Ecuador
- 288-c Weronika Tomczyk and M. Elizabeth Grávalos—Multifunctional Bone Tool Usage at the Prehispanic Site of Jecosh (Ancash, Peru)
- 288-d Amber Anderson—Material Culture in Pambamarca Ecuador: Comparing Finds from Two Inkan Fortresses
- 288-e Rachel Johnson and Jason Nesbitt—An Analysis of Ceramic Compositions from Canchas Uckro, Ancash, Peru: Implications for Trade in the Formative Andes
- 288-f Stacy Dunn and Abigail Bennett—Analysis of Cuchimilcos from Coastal Peru
- 288-g Milosz Giersz and Branden Rizzuto—Pre-Colombian Metallurgy at the Middle Horizon (600–1000 CE) Site of Castillo de Huarmey, Huarmey Valley, Peru

[289] POSTER SESSION ■ ARCHAEOLOGY OF THE MIDDLE HORIZON IN PERU**Room:** La Sala**Time:** 8:00 AM–10:00 AM**Participants:**

- 289-a Véronique Bélisle, Hubert Quispe-Bustamante, Allison Davis, Carlos Delgado González and Matthew Brown—Evaluating Wari Impact on Regional Trade Networks: Patterns of Obsidian Exchange in Cusco, Peru before and during the Middle Horizon
- 289-b Jacob Warner, Elizabeth Cruzado Carranza and Mary Avila—Political Economy at a Casma Valley Middle Horizon Center: Evidence from Pan de Azúcar de Nivín, Peru
- 289-c Abby Baka and Sarah Baitzel—An Exploration of Perimeter Wall Architecture at the Terminal Middle Horizon Site of Los Batanes, Sama, Peru
- 289-d Matthew Brown and Véronique Bélisle—A Study of Social Inequality at the Andean Prehistoric Site of Ak'awillay
- 289-e Ellen Dahl, Catriona Semple, Erin Crowley and Rebecca Bria—Animals for the Ancestors: Comparing Animal Use in Funerary Rites at Ancient Hualcayán, Peru (AD 1–1000)
- 289-f Julianna Santillan Goode, Allisen Dahlstedt, Paul Goldstein and Kelly Knudson—Examining Inter-regional Interaction in the Tiwanaku State (C.E. 500–1100) using 87Sr/86Sr Analysis of Building Material from a Provincial Ceremonial Center

Saturday Morning, April 13, 2019**[290] POSTER SESSION ■ EXPLORING CULTURE CONTACT AND DIVERSITY IN SOUTHERN PERU****Room:** La Sala**Time:** 8:00 AM–10:00 AM**Chairs:** Emily Schach and Donna Nash**Participants:**

- 290-a Donna Nash—Getting to the Point: Wari Obsidian Distribution in Southern Peru
 290-b David Reid, Veronica Rosales Hilario, Miguel Vizcarra Zanabria and Kevin Ricci Jara—Wari State Expansion and Middle Horizon Roads in the Majes-Chuquibamba Region, Southern Peru
 290-c Cyrus Banikazemi—Color Me Red: A Preliminary Examination of Pigments in the Moquegua Valley, Peru
 290-d Susan deFrance and Elizabeth J. Olson—Tiwanaku Pastoralism, Highland Bofedales, and Grasslands in Far Southern Peru: Creating a Strontium Baseline and Isoscape to Understand Cultural Connections
 290-e Curran Fitzgerald—The Zooarchaeology of Households at Las Peñas, a Late Intermediate Period Site in the Upper Torata Valley, Peru
 290-f Corey Bowen, Emma Branson, Patrick Ryan Williams and John Janusek—Where-felines? An XRF-Based Sourcing of Tiwanaku's Chachapuma Sculptures
 290-g Joshua Henkin, Ruth Ann Armitage, Donna Nash and Patrick Ryan Williams—Phytochemical Characterization of Chicha de Molle Production at Cerro Baúl
 290-h Amanda Chase—Use-Wear Analysis of the Middle Horizon
 290-i Emily Schach and Donna Nash—Preliminary Analyses of Materials from the Terminal Terrestre, Moquegua, Peru
 290-j Emilee Witte, Emily Schach and Donna Nash—Comparison of Slip Colors from Andean Styles
 290-k Chandler Jarboe, Emily Schach, Jane Buikstra and Donna Nash—Differential Diagnosis of Tuberculosis in a LIP and Late Horizon Skeletal Sample of Southern Peru
 290-l Martha Buchert, Emily Schach and Donna Nash—Spindle Whorl and Textile Production in the Moquegua Valley
 290-m Riley Murrin—The Dirt on Cultural Diversity: Examining Occupation Floor Surfaces in the Moquegua Valley

[291] SYMPOSIUM ■ ARCHAEOLOGICAL METHOD AND THEORY: PAPERS IN HONOR OF JAMES M. SKIBO, PART I**Room:** 10 Anasazi**Time:** 8:00 AM–10:00 AM**Chairs:** Jakob Sedig and Susan Kooiman**Participants:**

- 8:00 Jakob Sedig—Discussant
 8:15 Susan Kooiman—Functioning at Full Capacity: The Role of Pottery in the Woodland Upper Great Lakes
 8:30 Autumn Painter and Jeffrey Painter—Walk with Me: Reflections on Almost a Lifetime with Dr. James Skibo
 8:45 Margaret Beck—Ants for Breakfast for Everyone! The Legacy of James Skibo's Work on the Kalinga Ethnoarchaeological Project
 9:00 Emma Meyer—The Burgess-Williams Site: An Early Euro-American Settlement on Grand Island
 9:15 John Arthur—Pots, Ethnoarchaeology, and Snake-Oil: James Skibo's Lasting Impact on the Future of Archaeology
 9:30 Kacy Hollenback—Behavioral Cosmology and Fictive Kin: James M. Skibo (The Behavioral Golden Child)

9:45 Alan Sullivan—Discussant

**[292] LIGHTNING ROUNDS ■ THE NATIONAL HISTORIC PRESERVATION ACT WORKS!
EXAMPLES OF SECTION 106 SUCCESSES**

Room: 120 Dona Ana

Time: 8:00 AM–10:00 AM

Moderators: Anna Neuzil and Kathryn Harris

Participants:

Allyson Brooks—Discussant
Timothy Dodson—Discussant
Craig Lee—Discussant
Patricia Mercado-Allinger—Discussant
Holly Norton—Discussant
W. Kevin Pape—Discussant
Stephen Tull—Discussant
Julie Schablitsky—Discussant
Angela Jaillet-Wentling—Discussant
Timothy Weston—Discussant
Briec Edwards—Discussant

**[293] LIGHTNING ROUNDS ■ DIALOGUES ON NORTH AMERICAN HUMAN REMAINS
CURATION**

Room: 130 Cimarron

Time: 8:00 AM–10:00 AM

Moderators: Stacy Drake, John Kelly and Madeleine Strait

Participants:

Lourdes Henebry-DeLeon—Discussant
Andrea Hunter—Discussant
Jamie Lewis—Discussant
Michele Morgan—Discussant
Angela Neller—Discussant
Sarah O'Donnell—Discussant
Mairead Poulin—Discussant
Helen Robbins—Discussant
Lauren Sieg—Discussant
Jayne-Leigh Thomas—Discussant
Nick Tipon—Discussant

**[294] SYMPOSIUM ■ SOCIAL JUSTICE IN NATIVE NORTH AMERICAN ARCHAEOLOGY
(Sponsored by SAA Committee on Native American Relations)**

Room: 15 Zuni

Time: 8:00 AM–10:15 AM

Chairs: Nicholas Laluk and Lindsay Montgomery

Participants:

8:00 Tsim Schneider, GeorgeAnn DeAntoni and Gregg Castro—Moving beyond
Redemptive Archaeology on the California Coast
8:15 Vernelda Grant and Wendsler Nosie Sr.—Our Personal and Professional
Journeys to a Sacred Unity: Archaeology, Social Justice and the Protection of
Apache Sacred Sites
8:30 Peter Nelson—The Desire to Know: Pathways to Social Justice in
Archaeological Research with Indigenous Peoples

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- 8:45 Desiree Martinez—An End to Irate Letters? Social Justice in Tongva Land
 9:00 Rose Miron and Christine McCleave—Data Sovereignty in Archaeological and Anthropological Research
 9:15 Joseph Aguilar—Partnership Building: Moving Beyond the Collaborative Model
 9:30 Ashleigh Thompson—Red Lake Ojibwe Food Sovereignty: A Historical and Contemporary Analysis
 9:45 Jun Sunseri and Isabel Trujillo—Accountability as Litmus: The Work of Partnership in Collaborative Archaeology
 10:00 Rebecca Tsosie—Bioarchaeology and Genome Justice: What Are the Implications for Indigenous Peoples?

[295] GENERAL SESSION ■ SPEAKING FOR (AND ABOUT) THE ENSLAVED: ARCHAEOLOGIES OF SLAVERY**Room:** 20 Laguna**Time:** 8:00 AM–10:15 AM**Chair:** Paul Farnsworth**Participants:**

- 8:00 Paul Farnsworth—Test Excavations at the African Village of Wallblake Estate, Anguilla
 8:15 Marley Brown—Convergent Pathways of Enslaved Materialities: The Case of Eighteenth-Century Bermuda and Virginia
 8:30 Erin Schwartz and Nick Belluzzo—Forged by Many Hands: Analyzing Transformations of Space in the Antebellum Industrial South
 8:45 Natalie Mooney—Magnolia Grove: A Comparative Study of Plantation Landscape and Architecture
 9:00 Rebecca Bubp—Ceramic Analysis of an Early 19th Century Plantation in the Piedmont Region of North Carolina
 9:15 Kandace Hollenbach and Jillian Galle —Use of Plants by Enslaved Laborers at Andrew Jackson's Hermitage Plantation
 9:30 Kevin Fogle and Diane Wallman —Free to Choose? Emancipation, Foodways and Belonging on Witherspoon Island
 9:45 Brandy Joy—"Where's the Beef?" and Other Meat-Related Questions: Pre- and Post-Emancipation Foodways on James Island, South Carolina
 10:00 R. Scott Hussey—Dungeons, Altars, and Slaves: The Subterranean Material Culture of Christian Slaves in Early Modern Morocco

[296] SYMPOSIUM ■ 25 YEARS IN THE CASAS GRANDES REGION: CELEBRATING MEXICO–U.S. COLLABORATION IN THE GRAN CHICHIMECA**Room:** 215 San Miguel**Time:** 8:00 AM–11:00 AM**Chairs:** Todd VanPool and Christine VanPool**Participants:**

- 8:00 Todd Pitezal and Michael Searcy—An Evaluation of Type Definitions for Viejo Period Red-on-brown Pottery
 8:15 José Luis Punzo Díaz and Ben Nelson—Revisiting the Mesoamerican Materials from Paquimé
 8:30 Kyle Waller, Adrienne Offenbecker and Gordon Rakita—Subadult Growth Velocity at Paquime, Chihuahua, Mexico
 8:45 Adrienne Offenbecker, Kyle Waller, Gordon Rakita and M. Anne Katzenberg—Patterns of Migration at Paquimé: Insights from Isotopic and Demographic Data
 9:00 Kathy Durand and Jeremy Loven—Casas Grandes Fauna
 9:15 Jerimy Cunningham—Assemblages and Power in the Casas Grandes Region

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- 9:30 Timothy Maxwell and Rafael Cruz Antillón—Explorations East of Paquimé
 9:45 Matthew Pailles, John Carpenter and Guadalupe Sánchez—Casas Grandes
 Culture in the Sierra Madre of Sonora
 10:00 Andrew Krug—Reconstructing Shell Trade Corridors in Northwest Mexico
 10:15 Candace Sall—Polychromes and People at 76 Draw, New Mexico
 10:30 Todd VanPool and Christine VanPool—Medio Period Borderland Dynamics at
 76 Draw
 10:45 David Phillips—Discussant

**[297] SYMPOSIUM ■ TOUCHING THE PAST: PUBLIC ARCHAEOLOGY ENGAGEMENT
 THROUGH EXISTING COLLECTIONS**

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

Room: 60 Chaco

Time: 8:00 AM–10:45 AM

Chairs: Jenna Domeischel and Meghan Dudley

Participants:

- 8:00 Michael Trimble—Engaging Veterans in North American Archaeology
 8:15 Laurie Miroff and Nina Versaggi—Community Archaeology at the Trowel's Edge
 8:30 Jenna Domeischel—Deaccessioning for Education: It's Not a Four Letter Word
 8:45 Ray McAllister and Sharon McAllister—Working Towards Collaboration: a
 Model of Interaction between Archaeology Professionals and Avocationalists
 9:00 Nicole Grinnan and Michael Thomin—Maritime Archaeological Collections and
 Public Engagement in Florida: An Ocean of Opportunity
 9:15 Brendon Asher and Heather Smith—The Benefits and Challenges of Active
 Excavations as Tools for Interpretation and Public Outreach: Examples from
 Blackwater Draw Locality 1
 9:30 Sarah Luthman and Meghan Dudley—Investigating a Shelter in Oklahoma
 Schools: Bringing Museum Artifacts into the Classroom
 9:45 Samantha Ellens—Time Jumpers: Community-Based Approaches to
 Archaeology in the Classroom
 10:00 Greg Pierce, Marieka Arksey and Marcia Peterson—Outreach, Education, and
 Archaeological Collections: Public Archaeology at the Office of the Wyoming
 State Archaeologist
 10:15 Giovanna Peebles—Discussant
 10:30 Questions and Answers

[298] SYMPOSIUM ■ CROSS-CULTURAL PETROGRAPHIC STUDIES OF CERAMIC TRADITIONS

Room: 23 Nambe

Time: 8:00 AM–11:00 AM

Chair: Mary Ownby

Participants:

- 8:00 David Hill, Jan Petřík, Karel Nováček and Ali Ismail Al-Juboury—Examining
 Sources of Glazed Ceramics In Mesopotamia in Late Antiquity
 8:15 David Killick and Edwin Wilmsen—Petrographic Perspectives on Ceramic
 Technology and Provenance in Northern Botswana
 8:30 Lorelei Platz and Carrie Dennett—Pre-Columbian Pottery Production in Greater
 Nicoya: A Cross-Regional Analysis
 8:45 M. Elizabeth Grávalos and Isabelle Druc—Tracking 1,600 Years of Ceramic
 Technology at Prehispanic Jecosh (Ancash, Peru)
 9:00 Andrew Womack—Who Attended Their Funerals? A Petrographic Comparison
 of Pottery from the Majiayao Culture of Neolithic China
 9:15 Wesley Stoner—Provenance Analysis of Tempering Materials using

- 9:30 Quantitative Petrography in the Formative Basin of Mexico
Suzanne Eckert and Deborah Huntley—The Struggle within: Effects of Spanish Colonization on Pueblo Pottery Technology Revealed through Petrographic Analysis
- 9:45 Andrew Lack and Mary Ownby—Memes of Hohokam Pottery: The Spread of Ceramic Traditions from the Middle Gila River, Arizona
- 10:00 Guillermo De La Fuente—Chaîne Opératoires and Technical Identity in Aguada Portezuelo Pottery: An Approach through Ceramic Petrography (Catamarca, Argentina)
- 10:15 Ester Echenique, Florencia Avila and William Gilstrap—From Technological Style to Communities of Practice: Defining Yavi-Chicha Sociotechnical Systems in the Río Grande de San Juan Basin (Border of Bolivia and Argentina) during the Period of Regional Developments (ca. AD 900-1450)
- 10:30 John Lawrence, Scott Fitzpatrick and Christina Giovas—Petrographic Analysis of Pre-Columbian Pottery From Nevis, Eastern Caribbean
- 10:45 C. Trevor Duke, Neill Wallis and Ann S. Cordell—Pots with Purpose: Examining Mortuary Craft Specialization on the Late Woodland Gulf Coast

[299] SYMPOSIUM ■ CRAFT AND TECHNOLOGY: KNOWLEDGE OF THE ANCIENT CHINESE ARTISANS

Room: 25 Navajo

Time: 8:00 AM–11:00 AM

Chair: Wen Yin Cheng

Participants:

- 8:00 Hong Chen, Jinqiong Tang and Mingli Sun—A Design Diagram and Production Process for Ground Stone Tools at Wufengbei Site during the Liangzhu Culture Period (5300-4200 BP) in China
- 8:15 Chunxue Wang, Jiaqi Wang, Lingyu An, Yuying Ren and Quanjia Chen—Experimental Study of Ostrich Eggshell Beads Collected from Shuidonggou (SDG) Site, China
- 8:30 He Xiaolin—Arrangement of the Handicraft Industry at the Site of Taijiasi in the Shang Dynasty
- 8:45 Siran Liu—Bronze Age Crucibles in China: A Unique Technological Tradition and Its Cultural Implications
- 9:00 Junko Uchida, Yoshiyuki Iizuka, Yosuke Higuchi, Mamoru Hirokawa and Zhanwei Yue—Experimental Study of Bronze Casting Molds for Reproduction of the Ancient Chinese Bronze
- 9:15 Wen Yin Cheng and Chen Shen—Exploring Production Methods of Casting Molds and the Artisans Who Made Them
- 9:30 Takafumi Niwa, Yosuke Higuchi and Hidehiro Shingo—Experimental Archaeological Research on Reconstructing Shang-Zhou Clay Molds
- 9:45 Matthew Chastain, Jianli Chen and Xingshan Lei—Material Properties, Sensory Experience, and Production Techniques in Early Chinese Bronze Casting
- 10:00 Xiuzhen Li, Andrew Bevan, Marcos Martínón-Torres, Yin Xia and Kun Zhao—Inscriptions and Technology: Knowledge of the Artisans Who Created China's Terracotta Army
- 10:15 Kara Ma, Yongshan He and Chen Shen—The Mind of an Artisan in Early China: A Museum Collection Study
- 10:30 Yu Liu—Discussant
- 10:45 Chen Shen—Discussant

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[300] SYMPOSIUM ■ THE CURRENT STATE OF ARCHAEOLOGICAL RESEARCH ACROSS SOUTHEAST ASIA**Room:** 19 Isleta**Time:** 8:00 AM–11:15 AM**Chair:** Scott Macrae**Participants:**

- 8:00 Gyles Iannone, Pyiet Phyo Kyaw and Scott Macrae—Towards an Integrated Socio-ecological History for Residential Patterning, Agricultural Practices, and Water Management at the Classical Burmese (Bama) Capital of Bagan, Myanmar (11th to 14th Centuries CE)
- 8:15 Ellie Tamura—The Temples of the Classical Kingdom of Bagan, Myanmar: The Bundling of Royalty, Religion, and People
- 8:30 Raiza Rivera—An Ethnoarchaeology Study of Water Rituals at Bagan, Myanmar
- 8:45 Scott Macrae, Gyles Iannone and Pyiet Phyo Kyaw—Water Management in the Land of the Terribly Hot: A Hydrological Study of the Bagan Settlement Zone
- 9:00 Tiyas Bhattacharyya, Alison K. Carter, Miriam Stark and Sophorn Kim—Angkor from the Outside In: Household Archaeology in Battambang, Cambodia
- 9:15 Kendall Hills—A Morphological Analysis of Sandstone Temples in the Provinces of the Angkorian Khmer Empire
- 9:30 Sarah Klassen—Emerging Epicenters and Complementary Centralized and Decentralized Water Management Strategies at Medieval Angkor, Cambodia
- 9:45 Piphah Heng—Between Angkor and Champa: Political Economy of the Buffer Zone
- 10:00 Francis Allard, Wengcheong Lam and Nam Kim—A Metallurgical Study of Early Bronzes from Northern Vietnam: Some Thoughts on Methodology, Local Practices and Inter-regional Interaction
- 10:15 Colin LeJeune—Interaction, Change, and Ceramic Variation along Coastal Nakhon Si Thammarat, Thailand, AD 100-1500
- 10:30 Rory Dennison—Kilns, Chiefs, and Trade: Precolonial Tradeware from the Philippines and Fujian examined through LA-ICP-MS
- 10:45 Roland Fletcher—Discussant
- 11:00 Questions and Answers

[301] SYMPOSIUM ■ MEDITERRANEAN ARCHAEOLOGY: CONNECTIONS, INTERACTIONS, OBJECTS, AND THEORY**Room:** 22 San Juan**Time:** 8:00 AM - 11:15 AM**Chairs:** Rebecca Bartusewich and Laura Swantek**Participants:**

- 8:00 Kostalena Michelaki, Gregory Braun and Ronald G.V. Hancock—Exploring the Engagement, Imagination, and Alignment of Potters and their Practices in Neolithic S. Calabria, Italy
- 8:15 Zuzana Chovanec—Over Land, Sea and the Space Between: Evidence for Multi-Scalar Interactions between Eastern Mediterranean and Central European Communities during the Bronze Age
- 8:30 Evan Taylor—The Contemporary Archaeology of Old Cities: State Heritage and its Production in Rhodes and Acre
- 8:45 Wendy Cegielski—New Revelations on Mediterranean Bronze Age Iberia through Network Inference
- 9:00 Laura Swantek—Local Actions and Long-Distance Interactions: Challenging the Paradigm for the Emergence of Social Complexity on Cyprus during the Bronze Age
- 9:15 Emily Booker—Cypriot Clay Bodies: Contact, Corporeality, and Figurine Use in

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- the Cypriot Late Bronze Age
- 9:30 Jonathan White—Regional Connections and Variations in the Archaeology of Healing and Disability: The Temples of Asclepius
- 9:45 William Weir—The Development of Plain and Monochrome Wares in Protohistoric Bronze Age Cyprus
- 10:00 Rebecca Bartusewich—Political Change and the Social Power of Potters at Idalion, Cyprus during the First Millennium BCE
- 10:15 Melanie Lacan—Maritime Mobility during the Western Mediterranean Iron Age
- 10:30 Walter Crist—Social Approaches to Board Games in Mediterranean Archaeology
- 10:45 Ian Randall—Littoral Society and the Heterotopic Fabric of Early Medieval ports
- 11:00 Questions and Answers

[302] SYMPOSIUM ■ FRONTIERS OF PLANT DOMESTICATION**Room:** 17 Apache**Time:** 8:00 AM–11:15 AM**Chairs:** Natalie Mueller and Logan Kistler**Participants:**

- 8:00 Karen Adams and Anna Graham—Domestication and Management of Indigenous Plants in the U.S. Southwest: Case Studies of Little Barley (*Hordeum pusillum* Nutt.) and a Wild Potato (*Solanum jamesii*)
- 8:15 Katherine Chiou—Variety Is the Spice of Life: Chili Pepper Domestication and Agrobiodiversity in the Americas
- 8:30 Daniel Williams—Diverse Genetic Resources Facilitated Chenopodium Domestication
- 8:45 Wendy Hodgson and Andrew Salywon—Pre-Columbian Agaves in the Southwestern United States: Discovering Lost Crops among the Hohokam and other Arizona Cultures
- 9:00 Mana Hayashi Tang, Xinyi Liu, Gayle Fritz and Zhijun Zhao—Roots and Tubers in Late Pleistocene to Early Holocene China: Experimental Paleoethnobotany and Preliminary Case Studies
- 9:15 Questions and Answers
- 9:30 Robert Spengler—Examining the Shift in Seed-Dispersal Mechanisms During Early Plant Domestication
- 9:45 Natalie Mueller—Domestication and the Extended Evolutionary Synthesis
- 10:00 Andrew Salywon and Wendy Hodgson—Unravelling the Origins of Pre-Columbian Agave Domestication in Present Day Arizona
- 10:15 Jazmín Ramos Madrigal and M. Thomas P. Gilbert—The Genetic History and Diffusion Routes of Early Maize in North America
- 10:30 Robin Allaby, Roselyn Ware and Logan Kistler—Domestication through the Bottleneck: Archaeogenomic Evidence of a Landscape Scale Process
- 10:45 Logan Kistler, Fabio de Oliveira Freitas, Marcelo Simon and Robin Allaby—The Evolution of Domestication in Cassava Unraveled through Historical Genomics and Archaeobotany
- 11:00 Dorian Fuller—Discussant

[303] SYMPOSIUM ■ ART, ARCHAEOLOGY, AND SCIENCE: INVESTIGATIONS IN THE GUATEMALA HIGHLANDS**Room:** 21 Jemez**Time:** 8:00 AM–11:15 AM**Chair:** Eugenia Robinson

Saturday Morning, April 13, 2019

Participants:

- 8:00 Barbara Arroyo and Gloria Ajú—Interaction and Exchange at Kaminaljuyu: Trade and Ritual
- 8:15 Gavin Davies—A Ruler Stela in San Pedro La Laguna? Preclassic Stone Monuments of the Lake Atitlan Basin, Guatemala
- 8:30 Thomas Babcock—Archaeological Evidence and the Chronology of K'iche'an Dominance in the Guatemalan Highlands
- 8:45 Eugenia Robinson and Ronald L. Bishop—Ceramics from Q'umarkaj: Heritage Collection and Instrumental Neutron Activation Analysis
- 9:00 Maria Belen Mendez Bauer—Under the Hills: Archaeology of the Quetzaltenango Valley
- 9:15 Caitlin Earley—New Monumental Sculpture from Quen Santo, Guatemala
- 9:30 Questions and Answers
- 9:45 Gregory Borgstede—Settlement Fission in the Western Guatemala Highlands
- 10:00 Victor Castillo—Conquest as Revival in the Sixteenth-century Maya Highlands: Excavations at Chiantla Viejo, Guatemala
- 10:15 Brent Woodfill and Erin Sears—El Aragón: A Late Classic Town in Highland Alta Verapaz
- 10:30 Arthur Demarest—All Roads Lead to the Verapaz: The Northern Highlands as a Nexus of Classic Period Exchange
- 10:45 Marlen Garnica, Ramiro Edmundo Martinez Lemus and Eugenia Robinson—The Representation of the Serpent in the Rock Art of the Eastern Zone of Guatemala: A Chor'ti' Cosmological Interpretation
- 11:00 Marcello Canuto—Discussant

[304] SYMPOSIUM ■ ANIMAL SYMBOLISM IN POSTCLASSIC MESOAMERICA: PAPERS IN HONOR OF CECELIA KLEIN**Room:** 140 Aztec**Time:** 8:00 AM–11:15 AM**Chairs:** Elizabeth Baquedano and Susan Milbrath**Participants:**

- 8:00 Merideth Paxton—The New Year Pages of the Dresden Codex and the Concept of Co-essence
- 8:15 Gabrielle Vail and Allen Christenson—Animal Manifestations of the Creator Deities in the Maya Codices and the Popol Vuh
- 8:30 Cynthia Kristan-Graham—An Animal Kingdom at Chichen Itza, Yucatan, Mexico
- 8:45 Cecelia Klein—Eagles, Falcons, and Vultures: The Birds on the Platform of the Eagles and Jaguars at Chichen Itza
- 9:00 Keith Jordan—Pumas and Vultures and Wolves, Oh My! The Appropriation and Alteration of Teotihuacan Processing Predators at Tula
- 9:15 Susan Milbrath—Animal Imagery in the Postclassic Yearbearer Pages of the Codex Borgia
- 9:30 Questions and Answers
- 9:45 Elizabeth Baquedano—Symbolism of Frogs and Toads in Postclassic Mesoamerica
- 10:00 Elena Mazzetto—Quail in the Religious Life of the Ancient Nahuas
- 10:15 Jeanne Gillespie—Skirts and Scorpions: Female Power and Poisonous Creatures
- 10:30 Elizabeth Aguilera and Emily Umberger—Coyolxauhqui's Serpents
- 10:45 Leonardo López Luján, Alejandra Aguirre and Israel Eizalde Mendez—Dressed to Kill: Richly Adorned Animals in the Offerings of the Great Temple of Tenochtitlan
- 11:00 Elizabeth Boone—Discussant

[305] SYMPOSIUM ■ THE ART OF ARCHAEOLOGY**Room:** 29 Sandia**Time:** 8:00 AM–11:15 AM**Chairs:** Josephine McDonald and Carolyn Boyd**Participants:**

- 8:00 Thomas Whitley—Time and the Landscape: Visualizations of Murujuga and Beyond.
- 8:15 Joseph Dortch, Tom Whitley and Peter Veth—Shellfishing Transitions with Sea Level Rise across the Dampier Archipelago
- 8:30 Sarah De Koning and Peter Jeffries—Murujuga Dynamics of the Data
- 8:45 Emma Beckett—Monuments to Symbolic Behaviour in the Dampier Archipelago, Western Australia
- 9:00 Peter Veth—Kimberley Visions: Antiquity of Rock Art Style Provinces of Northern Australia
- 9:15 Mariangela Lanza—Roots and Routes of Rock Art: A Kernel Density Analysis of Newly Recorded Rock Art Sites to Understand Human Mobility in the North East Kimberley, Australia
- 9:30 Carolyn Boyd—Images-in-the-Making: Process and Vivification in Pecos River Style Rock Art
- 9:45 Jerod Roberts—Assessing the Patterns and Variation of a Common Pecos River Style Motif
- 10:00 Victoria Roberts—Bold Line Geometric: Revisiting a Lesser-Known Rock Art Style in the Lower Pecos Canyonlands of Texas
- 10:15 Amanda Castañeda and Charles Koenig—Petroglyphs in the Lower Pecos Canyonlands: Preliminary Analysis of Context, Style, and Chronology
- 10:30 Josephine McDonald—Pahranagat Patterned Bodies and Big Horn Sheep
- 10:45 Carolyn Boyd—Discussant
- 11:00 Questions and Answers

[306] SYMPOSIUM ■ THE LEGACIES OF ARCHAEOLOGISTS IN THE ANDES: SECOND SYMPOSIUM, THE INSTITUTIONALIZATION AND INTERNATIONALIZATION OF ANDEAN ARCHAEOLOGY*(Sponsored by HAIG—Biennial Gordon R. Willey Session on the History of Archaeology)***Room:** 28 Santo Domingo**Time:** 8:00 AM–11:30 AM**Chairs:** Monica Barnes and Mario Rivera**Participants:**

- 8:00 Mario Rivera—Junius Bouton Bird, Archaeologist and Explorer
- 8:15 Clark Erickson and Samantha Seyler—Don Lathrap, Precocious Civilization, and the Highland-Lowland Link in Andean Archaeology
- 8:30 Patricia Netherly—The Diverse Legacies of the Viru Project
- 8:45 Monica Barnes—John Murra's "A Study of Provincial Inca Life" Project; The Archaeological Survey
- 9:00 Jeffrey Parsons, Charles Hastings and Ramiro Matos—The Junin Surveys, 1975-1981
- 9:15 Yuichi Matsumoto and Eisei Tsurumi—From Kotosh to Pacopampa: Sixty-Years of Japanese Investigations on the Andean Formative
- 9:30 Carolina Orsini—Italian Contributions to Andean Archaeology (1962-2018): An Unknown History
- 9:45 Caroline Kimbell, Sara Lunt and David Drew—The Cusichaca Archive: History,

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- 10:00 Contents and Research Potential
Michael Moseley, Susan deFrance, Patrick Ryan Williams and Donna Nash—
Cerros, Keros, Cuerpos, y Mas! 37 Years of Programa Contisuyo Research in
Southern Peru
- 10:15 Lisa Trever—Art, Archaeology, and Archives: Pañamarca at Midcentury
- 10:30 Joel Grossman—Seeing Underground: The Feasibility of Archaeological
Remote Sensing in Coastal and Highland Peru
- 10:45 Questions and Answers
- 11:00 David Fleming—Discussant
- 11:15 Alvaro Higuera—Discussant

**[307] SYMPOSIUM ■ REGIONAL AND INTENSIVE SITE SURVEY: CASE STUDIES FROM
MESOAMERICA**

Room: 31 Santa Ana

Time: 8:00 AM–11:30 AM

Chairs: Verenice Y. Heredia Espinoza and Joshua Englehardt

Participants:

- 8:00 Alba Tellez-Nieto and Joshua Englehardt—¿Bajo el Yugo de Metztlán? Un
Reconocimiento Arqueológico de la Sierra Norte de Hidalgo, México
- 8:15 Fernando Aguilar—Archaeological Survey in Delimited Units: The Altépetl of
Ixmiuilpan in the Sixteenth Century
- 8:30 Lourdes Budar and Gibrán Becerra—Arqueología del agua y las montañas:
paisaje y patrón de asentamiento en la costa este de Los Tuxtlas
- 8:45 Bethany Swartz, Wesley Stoner and Barbara Stark—Digitally Augmented
Survey of Southern Veracruz Using Open-Source LiDAR Data
- 9:00 Jessica Hedgepeth Balkin, Arthur Joyce, Raymond Mueller and Sarah Barber—
Full-Coverage Survey in the Lower Río Verde Valley, Oaxaca, Mexico: Broad-
Scale Insights on Human-Environment Relations
- 9:15 Véronique Darras, Alejandra Castañeda and Laure Déodat—A Methodological
Challenge: Understanding the Population Dynamics in the Lerma Floodplain
through the Case of Tres Mezquites, Michoacán
- 9:30 Antonio Martínez Tuñón and Veronica Perez Rodriguez—Ethnoarchaeological
Survey in Santo Domingo Tonaltepec, Oaxaca
- 9:45 Marion Forest—From the Sky and from the Ground: Using Multiple Survey
Strategies to Map El Palacio, Northern Michoacán
- 10:00 Rafael Cobos—Mapping the Ancient City of Chichen Itza, Yucatan, Mexico
- 10:15 Mijaely Castañón-Suárez, José Luis Punzo Díaz and Lissandra González—
Distribution Analysis of Archaeological Ceramics on the “Malpaís de Tacámbaro
Site”, La Garita Sector, Michoacán, México
- 10:30 David Muñoz, Kimberly Sumano Ortega and José Luis Punzo Díaz—Las
unidades habitacionales de Chavinda y sus estrategias de apropiación del
espacio
- 10:45 Verenice Y. Heredia Espinoza—Sculpting the Landscape: Analyzing the
Formative-Classic Period Built Environment at Los Guachimontones, Jalisco
- 11:00 Joshua Englehardt and Angélica Cibrian Jaramillo—Genomics and
Archaeological Survey: Elucidating Ancient Mesoamerican Human-Plant
Interactions
- 11:15 Stephen Kowalewski—Discussant

**[308] SYMPOSIUM ■ KIN, CLAN, AND HOUSE: SOCIAL RELATEDNESS IN THE
 ARCHAEOLOGY OF NORTH AMERICAN SOCIETIES**
Room: 240 La Cienega
Time: 8:00 AM–11:30 AM
Chair: Jacob Lulewicz

Participants:

- 8:00 Jonathan Micon, Jennifer Birch and Louis Lesage—Kinship, Clanship, and the Incorporation of Newcomers in Northern Iroquoian Society
- 8:15 Rachel Briggs—Maize, Womanhood, and Matrilineality: A Study from the Mississippian Site of Moundville, Alabama
- 8:30 Christopher Wolff and Donald Holly—Of Longhouses and Lineages: Evaluation of Transformations in Maritime Archaic Social Organization in the Far Northeast
- 8:45 John Ware—Beyond the Household: The Evolution of Nonresidential Organizations During the Southwest Neolithic
- 9:00 Ashley Hampton and Anna Prentiss—Social-Relatedness and Power: Determining Lineages and Multi-Clan Connections within a Singular Housepit (HP54)
- 9:15 Jacob Lulewicz and Lynne Sullivan—Women's Networks and the Foundations of Mississippian Politics
- 9:30 Questions and Answers
- 9:45 Sarah Baires—Exploring Kinship Ties through Mortuary Practice at Cahokia's Ridge-top Mounds
- 10:00 Lynn Gamble—Secret Societies, Power, and Ritual among Hunter-Gatherers in California
- 10:15 Carrie Heitman—House Society Models in Anthropological and Archaeological Theory: Chaco Canyon and the Prehispanic American Southwest
- 10:30 Lynne Goldstein—Aztalan from the Perspective of Institutions of Social Relatedness
- 10:45 Brenda Bowser—Discussant
- 11:00 Bradley Ensor—Discussant
- 11:15 Barbara Mills—Discussant

**[309] SYMPOSIUM ■ PRECLASSIC MAYA SOCIAL TRANSFORMATIONS ALONG THE
 USUMACINTA: VIEWS FROM CEIBAL AND AGUADA FÉNIX**
Room: 18 Cochiti/30 Taos
Time: 8:00 AM–11:45 AM
Chairs: Melissa Burham and Jessica MacLellan

Participants:

- 8:00 Jessica MacLellan—Regional Variation in Preclassic Maya Household Ritual and Social Organization: Investigations at the Karinel Group, Ceibal
- 8:15 Melissa Burham—Urbanization, Minor Temple Construction, and Local Community Formation at Ceibal, Guatemala
- 8:30 Kazuo Aoyama—Preclassic and Classic Maya Exchange, Craft Production and Ritual Practices: A Diachronic Analysis of Lithic Artifacts around Ceibal, Guatemala
- 8:45 Ashley Sharpe—Shifting Course: Change as the Norm in the Preclassic Usumacinta Faunal Record
- 9:00 Juan Manuel Palomo Mijangos—Diet, Migration and Social Changes: The Preclassic Burials of Ceibal
- 9:15 Takeshi Inomata—Overview of Archaeological Investigations in the Middle Usumacinta Region
- 9:30 Verónica Vázquez López and Daniela Triadan—Aguada Fénix: An Early Middle Preclassic Monumental Site in the Middle Usumacinta Region

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- 9:45 Victoria Poston and Maria Belen Mendez Bauer—Excavations at Tiradero
 10:00 Questions and Answers
 10:15 Clarissa Cagnato—Preclassic Maya Plant Use along the Usumacinta River: A Microbotanical Approach
 10:30 Sara Eshleman, Timothy Beach, Sheryl Luzzadder-Beach, Colin Doyle and Fernando Casal—Soil and Water Chemistry: Aguada Fenix, Tabasco and Northern Belize
 10:45 Laura Angelica Romero Padilla—Ritual Cave Utilization Near Tenosique in Tabasco, Mexico
 11:00 Daniela Triadan—The Origins of Maya Civilization: New Evidence from Ceibal and Sites in the Middle Usumacinta Basin
 11:15 John Clark—Discussant
 11:30 Rodrigo Liendo—Discussant

[310] SYMPOSIUM ■ THE STATE OF THE ART IN MEDIEVAL EUROPEAN ARCHAEOLOGY: NEW DISCOVERIES, FUTURE DIRECTIONS

Room: 27 Picuris

Time: 8:00 AM–11:45 AM

Chair: K. Patrick Fazioli

Participants:

- 8:00 Rachel Scott and Finola O'Carroll —Burial at the Black Friary in Trim, Ireland: 700 Years of Friary-Town Relations
 8:15 Sharon DeWitte—Sex-Specific Patterns of Survival in the Context of Urbanization and Environmental Change in Medieval and Post-medieval London, England
 8:30 Leslie Williams and Kendra Weinrich—Daily Lives in Early Medieval Bavaria: Degenerative Joint Disease in the Carolingian Altenerding, Germany
 8:45 Pam Crabtree and Douglas Campana—Using Zooarchaeology to Study Urban Origins in Antwerp, Belgium: Evidence from the Burcht and Gorterstraat Sites
 9:00 T. L. Thurston—Traversing the Great Forest: Work and Mobility in Sweden's Premodern Farmscape
 9:15 Jesse Byock—The Mosfell Excavations: Viking Archaeology in Iceland
 9:30 Nancy Wicker—Broken Edges: Investigating Jewelry Damage by Violence and Fatigue
 9:45 Questions and Answers
 10:00 Alan Stahl and Lee Mordechai—FLAME: Framing the Late Antique and Early Medieval Economy
 10:15 Aleks Pluskowski, Guillermo García-Contreras Ruiz, Michelle Alexander, Rowena Banerjee and Marcos García-García—(Re)Conquests: Creating New Societies at the Frontiers of the Medieval Western Mediterranean
 10:30 Davide Zori, Colleen Zori, Veronica Ikeshoji-Orlati, Dennis Wilken and Deirdre Fulton—Settlement Shifts and the Transformation of Power in Medieval Italy: Preliminary Results from the Excavation of the Castle of San Giuliano
 10:45 Matthew Johnson—Bodiam Castle: Lived Experience and Political Ecology
 11:00 Scott Stull—Castles of Conquest or Factionalism and the Creation of Political Landscapes
 11:15 Rachel Brody and Andrew Bair—The Use and Benefit of Integrated Geophysical Survey in the Study of an Irish Early Medieval Site Rath Maol
 11:30 K. Patrick Fazioli—Discussant

[311] SYMPOSIUM ■ FROM COLLABORATION TO PARTNERSHIP IN POJOAQUE, NEW MEXICO

Room: 110 Galisteo
Time: 8:00 AM–11:45 AM
Chair: Scott Ortman

Participants:

- 8:00 Bruce Bernstein—Background and Motivations: The Anthropology of K'uuyemugeh
- 8:15 Scott Ortman—Cuyamungue and Partnership
- 8:30 Gabriel Montoya—Leadership
- 8:45 Alison Damick and Arlene Rosen—Agriculture and Landscape Change in the Tesuque Valley
- 9:00 Kaitlyn E. Davis—New Information from Old Collections: The Wendorf and Ellis Collections from Cuyamungue and Pojoaque Pueblos
- 9:15 Lindsay Johansson—Horses and Hares: What Analysis of Museum Collections Can Tell Us About Life in the Protohistoric American Southwest
- 9:30 Samuel Villarreal Catanach—Bringing Together Accounts of the Pueblo of Pojoaque
- 9:45 David Shaul and Scott Ortman—Incorporations into Tewa Language and Culture
- 10:00 Questions and Answers
- 10:15 Zachary Cooper—Fields, Shrines, and Paths—Ancestral Tewa Landscape Usage at Cuyamungue
- 10:30 Fermin Lopez and Bruce Bernstein—Protecting Ancestral Pojoaque Places
- 10:45 Patrick Cruz—Survey of a Coalition Site at Pojoaque Pueblo
- 11:00 Lynda Romero—Presenting Pojoaque History through Exhibits
- 11:15 Joseph Talachy—The Value of Anthropological Research for the Pueblo of Pojoaque
- 11:30 Robert Preucel—Discussant

[312] SYMPOSIUM ■ FROM MIDDENS TO MUSEUMS: PAPERS IN HONOR OF JULIE K. STEIN

Room: 280 Ballroom A
Time: 8:00 AM–12:00 PM
Chairs: Sarah Sherwood and Debra Green

Participants:

- 8:00 Michael W. Graves—Discussant
- 8:15 Janet Levy and Patty Jo Watson—Archaeology in the Big Bend of the Green River, KY
- 8:30 George Crothers, Justin Carlson, Karen Stevens, Alexander Metz and Katharine Alexander—Beyond the Big Bend: Julie Stein's Geoarchaeological Legacy in the Green River of Kentucky
- 8:45 Gary Huckleberry—The Importance of Sediment: A Selection of Julie Stein's Contributions to Geoarchaeology
- 9:00 Debra Green and L. Antonio Curet—A Deposit Is More Than the Sum of Its Artifacts: A Case Study from Centro Ceremonial Indigena de Tibes, Puerto Rico
- 9:15 Sarah Sherwood, Jo Anne Van Tilburg and Casey Barrier—Soil Fertility and Chronology at the RapaNui Rano Raraku Megalithic Statue Quarry
- 9:30 Rolfe Mandel—Revisiting Julie K. Stein's "Archaeological Sediments in Cultural Environments": The Nexus Between Lithostratigraphy and Geoarchaeological Research in the Great Plains and Central Lowlands, USA
- 9:45 Paula Ugalde, Vance Holliday, Calogero Santoro and Jay Quade—Formation Processes of Late Pleistocene Archaeological Sites in the Atacama Desert
- 10:00 Victor Thompson—Time and Tempo in Shell Midden Archaeology
- 10:15 Jennie Shaw—The Tricky Business of Dating Shell Middens and Improving

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- 10:30 Regional Chronologies
Robert Kopperl, Eleni Petrou, Lorenz Hauser, Dana Lepofsky and Dongya Yang—Ancient Herring DNA from the Burton Acres Shell Midden (45KI437) and Pacific Herring Population Dynamics in the South Salish Sea
- 10:45 Kristine Bovy, Madonna Moss, Jessica Watson and Julia Parrish—New Insights from Old Collections: Investigating Bird Bones from Pacific Northwest Shell Middens
- 11:00 Amanda Taylor and Stephanie Jolivet—Dominant Narratives and Gender Equality in Northwest Coast Archaeology
- 11:15 Laura Phillips and Erin Younger—Making Voices Heard: Archaeology as Community Engagement
- 11:30 Margaret Conkey—From the Worm to the World: A Legacy of Julie Stein
- 11:45 Julie Stein—Discussant

[313] SYMPOSIUM ■ TRANSCENDING MODERN BOUNDARIES: RECENT INVESTIGATIONS OF CULTURAL LANDSCAPES IN SOUTHEASTERN UTAH

Room: 220 Ruidoso

Time: 8:00 AM–12:00 PM

Chair: Benjamin Bellorado

Participants:

- 8:00 Jesse Tune—Characterizing Paleoindian Landscapes of Southeastern Utah
- 8:15 R.G. Matson and William Lipe—Setting the Stage: The Landscape Archaeology of the Cedar Mesa Basketmaker II
- 8:30 R. E. Burrillo, Joan Brenner-Coltrain, Michael Lewis and William Lipe—Landscape and Agriculture in the Bears Ears Formative
- 8:45 Laurie Webster and Erin Gearty—Perishable Insights into the Cultural Boundaries of Basketmaker II: Collections Research from the Cedar Mesa Perishables Project
- 9:00 Jonathan Till—The Basketmaker III and Pueblo I Periods in Southeastern Utah and the Mesa Verde Region: Did the Twain Ever Meet?
- 9:15 Winston Hurst—Ruminations on Puebloan Ethnic Diversity and Ceramic Specialization in the Ancient Western San Juan
- 9:30 Robert Bischoff—San Juan Red Ware Distribution Patterns and Social Networks in Southeastern Utah
- 9:45 Fumi Arakawa, Braeden Dimitroff and Fred Neils—Archaeological Landscape Studies in Alkali Ridge and Montezuma Canyon during the Pueblo II and III Periods
- 10:00 Thomas Windes—Hard Times and Mobility in Thirteenth-Century SE Utah: A Chronometric Study
- 10:15 Benjamin Bellorado—Obsession with an Icon: Sandals, Sandal Imagery, and Social Identity Across Thirteenth Century Cultural Landscapes in Southeastern Utah
- 10:30 James Willian and Winston Hurst—Now You See It: Ethnohistoric Archaeology in the Bluff, Utah, Area
- 10:45 Terry Knight, Jessica Yaquinto and Nichol Shurack—Ute Ethnographic Cultural Landscapes in Southeast Utah
- 11:00 Eric Heller and Benjamin Bellorado—Photogrammetry and Virtual Reality Visualization of Cultural Landscapes in Southeastern Utah
- 11:15 Jason Chuipka—Cultural Landscapes, Past and Present: Cultural Resource Management Perspectives From Recent Work in Southeastern Utah
- 11:30 William Doelle and Josh Ewing—Protecting Cultural Landscapes, Famous and Not, as the Threats Increase
- 11:45 Mark Varien—Discussant

[314] SYMPOSIUM ■ COASTAL CONNECTIONS: PACIFIC COASTAL LINKS FROM MEXICO TO ECUADOR

Room: 235 Mesilla

Time: 8:00 AM–12:00 PM

Chairs: Christopher Beekman and Colin McEwan

Participants:

- 8:00 Richard Callaghan, Alvaro Montenegro and Scott Fitzpatrick—The Effects of ENSO on Travel along the Pacific Coast of the Americas
- 8:15 José Beltrán—Puertos, materiales y productos de intercambio
- 8:30 Joseph Mountjoy and Jill Rhodes—The Curious Pacific Coast Distribution of Tightly Wrapped Bundle Burials in the Middle Formative
- 8:45 Lissandra González, José Luis Punzo Díaz, Juan Pablo Vargas and Manuel Espinosa—Was There a Relationship between Michoacán and Ecuador? An Analysis of Copper Objects
- 9:00 Guy Hepp—Landfalls, Sunbursts, and the Capacha Problem: The Case for a Pacific Coastal Interaction Community in Early Formative Period Mesoamerica
- 9:15 John Pohl and Michael Mathiowetz—Pacific Coastal Exchange in Postclassic Mexico: Wealth, Rituals, Feasts, and Marriages
- 9:30 Kim Cullen Cobb, Emily Kaplan, Michele Austin Dennehy and Christopher Beekman—Axe-Monies in the Smithsonian Collections
- 9:45 Christopher Beekman—Shell and Symbolism in Mesoamerica and the Andes: Are There Parallels?
- 10:00 Rebecca Mendelsohn—Jade, Scepters, and Seats of Power: Symbols of Authority on the Central American Coast, 300 BC-AD 300
- 10:15 Eugenia Ibarra—"Rich" Men: Caciques in Trade and Exchange in the Polyglottal Southern Central American World (16th Century)
- 10:30 Francisco Corrales-Ulloa—Long-Distance Contacts along the Coast of Greater Chiriquí
- 10:45 James Zeidler—Jama-Coaque Ceramic Traits in Coastal Colima, West Mexico?: A View from the Jama Valley, Coastal Ecuador
- 11:00 Colin McEwan and Richard Lunniss—Reevaluating an Offering Cache from Isla La Plata, Ecuador
- 11:15 Maria Masucci and John Hoopes—Evaluating Precolumbian Contact between Ecuador and Costa Rica: A Ceramic Approach
- 11:30 Benjamin Carter—Spondylus as a Driver of Long-Distance Exchange
- 11:45 Jorge Marcos—Discussant

[315] SYMPOSIUM ■ AN ARCHAEOLOGICAL EXAMPLE: CELEBRATING JOHN RICK'S RESEARCH AND TEACHING CAREER

Room: 275 Ballroom B

Time: 8:00 AM–12:00 PM

Chairs: Stefanie Bautista, Daniel Contreras and Silvana Rosenfeld

Participants:

- 8:00 Lisseth Rojas-Pelayo, Erick E. Acero and Oscar Arias—Chavín after Chavín: Funerary Facts through the Voices of its Protagonists / Architectural Sequences and Occupational Events in the Ceremonial Center Chavin de Huantar during Formative Period (950-550 BCE)
- 8:15 Luis Muro—Building a Huaca: Micro-chronological study of Huaca La Capilla-San José de Moro and Its Implications in the Late Moche Absolute Chronology (AD 700-850)
- 8:30 Francesca Fernandini and Stefanie Bautista—Reassessing Models of Pre-Incaic

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- 8:45 Federations and Empires on the Peruvian South Coast
Matthew Velasco and Sadie Weber—Lessons from Chavín for the Chullpa Horizon / The Cayman Keeps Giving: Interregional Interaction at Chavín de Huántar
- 9:00 Miriam Kolar—John Rick: Archaeoacoustics Maverick
- 9:15 Ignacio Cancino—Dating Agricultural Fields and Canals in the Queneto Quebrada, Viru Valley
- 9:30 Matthew Sayre and Silvana Rosenfeld—Life Outside of the Ceremonial Center of Chavín de Huántar
- 9:45 Christian Mesia-Montenegro—Evolutionary Dynamics during the Central Andes Formative: Modelling Power and Inequality through Religion
- 10:00 Colleen Zori and Noa Corcoran Tadd—Firmer Footings: Building Authority in Inca Colesuyu
- 10:15 John Wolf and Nicole Slovak—John Rick and New Technologies for Archaeological Research / John Rick: The Ultimate Authority
- 10:30 Daniel Contreras and Brian Coddling—Is 'Dates as Data' Just a Zombie? Breathing New Life into Radiocarbon Summaries by Assessing Local Landscape Taphonomy
- 10:45 Phillip Leckman and Karen Schollmeyer—From the Andes to the Gila: Space, Society and Zooarchaeology in the US Southwest
- 11:00 Silvia Rodríguez Kembel—Plumb Line, Laser Line, Time Line, Punch Line: John Rick and the Archaeology of Architecture at Chavín de Huántar, Peru
- 11:15 Matthew Bandy and Scott Ortman—Dates as Data 30 Years Later: An Alternative Perspective on Neolithic Demographic "Collapse"
- 11:30 Frances Hayashida, Diego Salazar, Andrés Troncoso, Mariela Pino and Shelby Magee—Water, Waka's, and Empire in the High-Altitude Atacama
- 11:45 John Rick—Discussant

[316] SYMPOSIUM ■ 2019 FRYXELL AWARD SYMPOSIUM: PAPERS IN HONOR OF M. STEVEN SHACKLEY

Room: 270 Ballroom C

Time: 8:00 AM–12:00 PM

Chair: Christopher Stevenson

Participants:

- 8:00 Kyle Freund—Obsidian Characterization as a Means to an End: A Survey of the Scholarship of Professor Steven Shackley
- 8:15 Jeffery Clark, J. Brett Hill and M. Steven Shackley—Looking through the Glass: How Large-Scale XRF Obsidian Sourcing Has Expanded Our View of Late Pre-Hispanic Regional Networks in the U.S. Southwest
- 8:30 Bruce Huckell—Clovis Use of Obsidian in the Southwest
- 8:45 Bonnie Clark—A Barrack, a Stone, and Families in Exile: A Case Study of Historic Obsidian Sourcing
- 9:00 Michael D. Glascock, Kylie Gannan and Thomas R. Hester—Obsidian Artifacts from La Venta and Sources in Mesoamerica
- 9:15 Sean Dolan—Translucent but Opaque: Obsidian in the American Southwest and the Mesoamerican (dis)Connection
- 9:30 Carolyn Dillian, Emmanuel Ndiema and Purity Kiura—Obsidian Characterization in East Africa
- 9:45 Robert H. Tykot—The Importance of Identifying Specific Obsidian Subsources on Sardinia to Interpreting Long-Distance Trade in the Neolithic Central Mediterranean
- 10:00 Jennifer Kahn and John Sinton—WDXRF Analyses and Understanding Variability in Time and Space: Trade in the Complex Society Island Chiefdoms

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- 10:15 Mark McCoy, Dion O'Neale, Christopher Stevenson and Thegn Ladefoged—
Setting the Agenda for the Next Phase in Obsidian Studies in Aotearoa (New Zealand)
- 10:30 Robin Torrence—Something About Kutau-Bao: Understanding Dominant Obsidian Sources
- 10:45 Robert Speakman—Things People Do with XRF
- 11:00 Ellery Frahm—Beyond the Technical Revolution: Epistemological Shifts in Archaeological XRF (or: "The World of XRF Will Never Be the Same Again")
- 11:15 Rosemary Joyce—The Active Materiality of Obsidian
- 11:30 Nicholas Tripcevich, B. Lee Drake, Lisa Trever, Eric Kansa and Michael D. Glascock—Open Obsidian Geochemistry Visualization with an Example from the Andes
- 11:45 M. Steven Shackley—Discussant

[317] SYMPOSIUM ■ THE FUTURE OF BIOARCHAEOLOGY IN ARCHAEOLOGY*(Sponsored by SAA Bioarchaeology Interest Group)***Room:** 115 Brazos**Time:** 8:00 AM–12:00 PM**Chairs:** Alexis Boutin and Sabrina Agarwal**Participants:**

- 8:00 Alexis Boutin—Bioarchaeology as Archaeology: Past Practices and Future Prospects
- 8:15 Megan Perry—Uniting the Archaeological Body: The Bioarchaeological Investigation of Human Remains and Mortuary Behaviors
- 8:30 Marin Pilloud and Nicholas Passalacqua—Ethics, Professionalism, and Qualifications in Bioarchaeology and Forensic Anthropology
- 8:45 Ann Stodder—Where Do Data Come From? The Legacy and Future of Cultural Resource Management Bioarchaeology
- 9:00 Susan Sheridan—Social Media as a Tool for Research and Outreach in Bioarchaeology
- 9:15 Michele Buzon, Katie Whitmore, Claire Sigworth and Mohamed Faroug Ali—Public Outreach and Community Engagement with the Tombos Archaeological Project in Sudan.
- 9:30 Sian Halcrow, Kate Domett, Jennifer Newton, Thanik Lertcharnrit and Louise Shewan—Ethical Issues of Bioarchaeology in Southeast Asia
- 9:45 Jessica Cerezo-Román—Archaeology of Death across the International Border: Research among the Hohokam and Trincheras Archaeological Groups
- 10:00 Rebecca Gowland—Ruptured: Bodies, Boundaries and Reproductive Loss in Bioarchaeology
- 10:15 Gwen Robbins Schug, Nicola Carrara and Cinzia Scaggion—Bioarchaeology of Madness: A Biocultural Perspective on Transgression, Strangeness, Folly, and Delirium in the Past
- 10:30 Pamela Geller—Bioarchaeology and Bioethos
- 10:45 Shannon Novak—What Is It? Doing Bioarchaeology with Matter
- 11:00 Dorothy Lippert—The Articulation of the Dead; Understanding Expatriation, Materiality and Voice in the Process of Repatriation
- 11:15 Ann Kakaliouras—Theorizing an Anti-colonial Bioarchaeology
- 11:30 Ventura Pérez—Toward a Bioarchaeology of Social Change: Moving Beyond the Myth of Scientific Neutrality
- 11:45 Sabrina Agarwal—Discussant

Saturday Morning, April 13, 2019

[318] SYMPOSIUM ■ ARCHAEOLOGICAL METHOD AND THEORY: PAPERS IN HONOR OF JAMES M. SKIBO, PART II

Room: 10 Anasazi

Time: 10:00 AM–12:00 PM

Chairs: Fernanda Neubauer and Kelsey Hanson

Participants:

- 10:00 Michael Schiffer—Discussant
10:15 Eric Drake—Learning to Squeeze the Data: Fifteen Years of Archaeological Research within the Grand Island National Recreation Area
10:30 Kelsey Hanson—Driving Us Nuts: Acorn Processing Experiments and the Impact of Mentorship and Yooper Wisdom
10:45 Fernanda Neubauer and Michael J. Schaefer—Pottery and Fire-Cracked Rock Use-Alteration: Assessing the Impact of James M. Skibo
11:00 John Richards—Got Collars?: Braced Rim Jars in the Late Woodland Western Great Lakes
11:15 William Walker—Life Histories Thick and Thin: Scaling and Four Dimensions of Artifact Variability
11:30 Catherine Cameron—Jim Skibo: Éditeur Extraordinaire
11:45 James Skibo—Discussant

[319] GENERAL SESSION ■ ZOOARCHAEOLOGY: CASE STUDIES FROM NORTH AMERICA

Room: 32 Tesuque

Time: 10:15 AM–12:00 PM

Chair: Brandy Norton

Participants:

- 10:15 Steven James—Zooarchaeological Research at Pueblo Grande: Preclassic and Classic Period Hohokam Hunting and Fishing Patterns
10:30 Jacqueline Fox, William Bryce, Andrea Gregory and Travis Cureton—Assessing Evidence of Hunting as Subsistence Specialization at an Early Classic Period Hohokam Farmstead
10:45 Cassidee A. Thornhill—*Equus caballus* during the Protohistoric: Looking for the Horse in the Archaeological Record
11:00 Jessica Watson—Diversity and Use of Ducks and Loons at the Hornblower II Site, MA
11:15 Brandy Norton—Dietary and Environmental Implications of Animal Use in the Okeechobee Basin Area of Florida
11:30 Dawn Rutecki—Animals at Spiro Mounds: Patterns from Faunal Specimens and Engraved Shells
11:45 Cayla Colclasure—Missionization and Indigenous Foodways: Analyzing Mission-Era Shell Middens on St. Catherines Island, GA

[320] GENERAL SESSION ■ GEOARCHAEOLOGY: GLOBAL CASE STUDIES, PART I

Room: 65 Hopi

Time: 10:30 AM–12:00 PM

Chair: Mark Golitko

Participants:

- 10:30 Mark Golitko and Clay Jaskowski —Holocene Paleoenvironment and Demography of the New Guinea North Coast
10:45 Rosicler Silva, Julio Cezar Rubin de Rubin, Edilson Teixeira and Marcio Antonio Teles—Archaeological Open Air Hunter-Gatherer Sites in the Serranópolis Region, Brazil: An Interpretation of the Landscape
11:00 Jonathan Damp—Real Alto and the Origins of Valdivia

- 11:15 William Pratt—Materials Preparation and Procurement at Cochasquí as Indicators of Social Organization
- 11:30 Janny Velasco Alban and Estanislao Pazmiño—Monumentality and Social Complexity in the Ecuadorian Upper Amazon: Mound Builders in the Upano Valley, Ecuador
- 11:45 Leonid Vyazov, Carlos Cordova, Mikhail Blinnikov, Elena Ponomarenko and Ayrat Sitdikov—Concealed Evidence of Early Human-Environment Interactions in Sedimentary Archives of Small Rivers in the Forest-Steppe Belt of Eurasia

[321] GENERAL SESSION ■ MEDITERRANEAN ARCHAEOLOGY, PART I**Room:** 70 Tewa**Time:** 10:30 AM–12:00 PM**Chair:** William Balco**Participants:**

- 10:30 Aspen Cooper, Gilliane Monnier, Elisabetta Boaretto, Carolina Mallol and Gilbert Tostevin—Fire or Stone? Applications of Infrared Spectroscopy and the Grinding Curve Procedure to Differentiate between Pyrogenic and Geogenic Calcites at Crvena Stijena Paleolithic Rock Shelter, Montenegro
- 10:45 Samuel Martin, Dominique Langis-Barsetti, Joseph Lehner, Emre Kuruçayirli and Asu Selen Özcan—Investigating Copper Ingot Production in the Bronze Age Mediterranean Using 3D Technologies
- 11:00 Pierre Zalloua, Lisa Matisoo-Smith, Michele Guirguis, Anna Gosling and Lorenzo Nigro—Phoenician Settlements: A Story of Integration and Cultural Assimilation
- 11:15 William Balco and Michael Kolb —Inferring Social Change from Archaeological Survey Data: Monte Bonifato and Calatubo as a Case Study
- 11:30 Michael Kolb and William Balco—Never Built in a Day: Contextualizing Urbanism in Iron Age Western Sicily
- 11:45 Antonino Crisà—Erotic Tokens for Sex and 'Special' Services: New Spintriae from Archaeological Contexts

[322] POSTER SESSION ■ PALEOINDIAN ARCHAEOLOGY IN THE GREAT PLAINS**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 322-a Leland Bement, Kristen Carlson and Dakota Larrick—Discard, Stockpile, or Commemorative Cairn: Interpreting the Bison Skull Pile at the Ravenscroft Late Paleoindian Bison Kill, Oklahoma Panhandle
- 322-b Robert Lassen and Sergio Ayala —Is Fluting Exclusive to Paleoindians? A Comparison of Paleoindian and Archaic End-Thinning Techniques
- 322-c Barbara Crable and Jack Hofman—Paleoindian Intercept Hunting in the Bethel Locality, Western Oklahoma
- 322-d Daniel Dalmas and Matthew G. Hill—Assessment of Late Quaternary Bison Diminution Using Linear Discriminant Analysis
- 322-e Joseph McConnell—Evaluating “Folsom” Points in the Blackwater Draw Museum’s Calvin Smith Collection
- 322-f Molly Herron—Camping with Mammoths? Identification of Ivory Fragments at the La Prele Mammoth Site Using Microscopy

Saturday Morning, April 13, 2019

[323] POSTER SESSION ■ PALEOINDIAN ARCHAEOLOGY IN CALIFORNIA AND THE GREAT BASIN

Room: La Sala

Time: 10:30 AM–12:30 PM

Participants:

- 323-a Megan Donham, Richard Rosencrance and Katelyn McDonough—A First Look at Western Stemmed Tradition Lithic Reduction and Procurement Strategies at Connley Cave 4, Oregon
- 323-b Shelby Saper, Richard Rosencrance, Katelyn McDonough and Dennis Jenkins—Cascade Phase Context and Chronology at the Connley Caves, Oregon
- 323-c Andrea Ogaz—Revisiting the Archaeology of Dry Lake Cave, California (CA-INY-1898)
- 323-d Erik Martin, Robert G. Elston, D. Craig Young, Brian Coddling and David Rhode—Theoretically Based Investigations of the Paleo-Indian Occupation of Grass Valley, Nevada
- 323-e Caitlin Doherty and Ted Goebel—Discerning Paleoindian Mobility in the Eastern Great Basin: A Geochemical Analysis of Lithic Artifacts from Bonneville Estates Rockshelter and Smith Creek Cave
- 323-f Noel Jones—Land Use in the High Desert of Northwestern Nevada: Analyzing Settlement Patterns of the Bare Allotment
- 323-g Anthony Morales—Rose Valley Site (CA-INY-1799): Applying an Interdisciplinary Approach to a Western Great Basin Paleoindian Site
- 323-h Lydia Sykora, Justin Tackney, R. Kelly Beck, Dennis H. O'Rourke and Jack Broughton—Reconstruction of Late Holocene California Tule Elk Populations Using Ancient DNA and Stable Isotopes: An Update on Ongoing Analyses
- 323-i Escee Lopez, Jessica Morales and Rene Vellanoweth—Zooarchaeological Analysis of Fish Remains from the Thousand Spring Site (CA-SNI-11), San Nicolas Island, California

[324] POSTER SESSION ■ PALEOINDIAN AND ARCHAIC IN THE NORTHEAST U.S.

Room: La Sala

Time: 10:30 AM–12:30 PM

Participants:

- 324-a John Michael Garbellano—Shell Middens: Foodways at Dogan Point and Other Hudson River Sites
- 324-b Taylor Emery and Joseph A. M. Gingerich—Skill Variation in the Manufacture of Lithics at the Shawnee-Minisik Paleoindian Site
- 324-c Heather Rockwell and Nathaniel Kitchel—The Steven's Site: Investigations of Possible Quarry Adjacent Habitation at the Munsungun Lithic Quarry
- 324-d Joseph A. M. Gingerich—Quantifying Intra-site Spatial Patterns at Early Paleoindian Sites

[325] POSTER SESSION ■ NEW INSIGHTS INTO THE PALEOINDIAN AND ARCHAIC PERIODS OF THE SOUTHEAST U.S.

Room: La Sala

Time: 10:30 AM–12:30 PM

Participants:

- 325-a Dylan Davis, Matthew Sanger and Carl Lipo—Shell Rings and Settlement Organization in the Coastal American Southeast: New Insights from Remotely Sensed Data
- 325-b Tiffany Raymond and Carl Lipo—An Evaluation of the Relations between Morphology and Thermal Properties among Poverty Point Objects (PPOs) of the

- American Southeast
- 325-c Charles Rainville—Remote Sensing's Capacity to Identify Shell Deposits at the Silver Glen Springs Complex, Florida
- 325-d James Feathers, Christopher Moore, Mark Brooks and James Dunbar—OSL Dating at the Wakulla Springs Site
- 325-e Stephen B. Carmody, Kaitlyn N. Weis, Jennifer Simpson, Sarah C. Sherwood and John Cornelison—New Investigations at Russell Cave, Alabama
- 325-f Diana Simpson and Keith Jacobi —Bioarchaeology of the Little Bear Creek Site: New Insights into Health, Violence, Mortuary Behavior, and Identity in Prehistoric North Alabama
- 325-g Ashley Smallwood, Charlotte Pevny, Thomas Jennings and Julie Morrow—Explaining Shifts in Dalton Paleoindian Adaptations at the End of the Pleistocene through Usewear and Technological Organization Analyses
- 325-h Morgan Smith, Shawn Joy, Timothy de Smet and Michael Faught—Toward the Remote Identification of Stone Tools in Submerged, Buried Contexts Using Acoustics

[326] POSTER SESSION ■ PEOPLING OF THE AMERICAS**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Participants:**

- 326-a Jerry Galm, Stan Gough and Julia Furlong—Site Organization and Abandonment Processes: A Late Paleoindian Case Study
- 326-b Lorena Becerra-Valdivia, Katerina Douka and Thomas Higham—Tracking Early Human Presence in North America and Beringia during the Late Pleistocene through Bayesian Age Modeling
- 326-c D. Clark Wernecke—Crossing the Line: The Incised Stones of the Gault Archaeological Site
- 326-d Lourdes Henebry-DeLeon and Angela Neller —Born on the Columbia Plateau: Cultural Affiliation for the Ancient One
- 326-e Susan Kuzminsky—Investigating the Population History of Western North America: Implications for the Peopling of the New World
- 326-f Alan Slade and Michael Collins—A Comprehensive Study of the Variability in Flake Scar Patterns on Clovis Fluted Points

[327] POSTER SESSION ■ NEW MULTIDISCIPLINARY RESEARCH AT 48PA551: A MIDDLE ARCHAIC (MCKEAN COMPLEX) SITE IN NORTHWEST WYOMING**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Chairs:** Ethan Ryan and Emma Vance**Participants:**

- 327-a Lawrence Todd and Rachel Reckin—Archaic Period Obsidian Use in the Greater Yellowstone Ecosystem: The 48PA551 Assemblage in Regional Context
- 327-b Kelsi Kaviani, Anna Prentiss, Emma Vance, Ethan Ryan and Haley O'Brien—The McKean Complex Occupation in the Sunlight Basin, Northwest Wyoming: An Updated Assessment of Cultural and Geological Stratigraphy at Site 48PA551
- 327-c Ethan Ryan—Know Before You Dig: Using Comparative Geophysical Exploration and Ground-Truthing for Surgical Excavation
- 327-d Haley O'Brien, Anna Prentiss, Ethan Ryan and Emma Vance—Re-examining Site 48PA551 in Sunlight Basin, Northwest Wyoming: The Faunal Remains from the 2018 Field Season

- 327-e Nicole Herzog, Liz Dolinar and Anna Prentiss—Using Micro and Macrobotanical Analyses to Assess Socio-economic Strategies at 48PA551, the McKean Occupation in the Sunlight Basin, Wyoming
- 327-f Emma Vance, Ethan Ryan and Anna Prentiss—Connecting Lithic Technology to Socio-economic Organization at Site 48PA551

[328] POSTER SESSION ■ NEW RESEARCH INTO THE OLD CORDILLERAN**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Chair:** Christopher Noll**Participants:**

- 328-a Christopher Noll—A Perspective on Olcott from the Banks of the Elwha River, Clallam County, Washington
- 328-b Caitlin Limberg and Christopher Noll—Lithic Technological Organization at Three Olcott Sites along the Elwha River, Clallam County, Washington
- 328-c Julia Furlong—Geochemical Analysis of Crystalline Volcanic Rock Artifacts from Three Olcott Sites along the Elwha River, Clallam County, Washington
- 328-d Sean Stcherbinine—Geoarchaeology of Three Olcott Sites along the Elwha River, Clallam County, Washington
- 328-e Jennifer Ferris and Kerry Lyste—Come Together Over Olcott: Recent Collaborative Investigations

[329] POSTER SESSION ■ HELL GAP AT 60: MYTH? REALITY? WHAT HAS IT TAUGHT US?**Room:** La Sala**Time:** 10:30 AM–12:30 PM**Chairs:** Marcel Kornfeld and Mary Lou Larson**Participants:**

- 329-a Marcel Kornfeld and Mary Lou Larson—Structure and Formation of a Paleoindian Deposit: The Hell Gap Site, Wyoming
- 329-b Mary Lou Larson—Folsom and Goshen Technological Organization at Locality I of the Hell Gap Site
- 329-c Danny Walker and Rachael Shimek—Small Mammals from the Hell Gap Site, Wyoming and their Paleoecological Significance
- 329-d Tony Fitzpatrick—Chemical Analyses at Hell Gap: Preliminary Results from Blood Residue and Stable Isotopes
- 329-e Spencer Pelton and Brigid Grund—Hell Gap Versus High Plains: A Comparison of Site-Specific and Regional Paleoindian Chronologies
- 329-f Naomi Ward, Macy Ricketts, Rachael Shimek, Mary Lou Larson and Marcel Kornfeld—Genetic Analysis of Microbial Community Structure in Soils from the Hell Gap Witness Block
- 329-g Tammy Rittenour, Heidi Van Etten and Judson Finley—Hell Gap in a New Light: Luminescence Results from the Witness Block
- 329-h Brigid Grund and Stephen Williams—Can Soil Microbial Community Composition Distinguish Indoor and Outdoor Spaces?
- 329-i Carlton Gover and Justin Garnett—A Possible New Paleoindian Area of the Hell Gap Site: The 2018 Shovel Test at Locality IV
- 329-j Alix Piven and Elizabeth Lynch—Hell Gap in 3D: Visualizing the Past on the Great Plains

[330] GENERAL SESSION ■ RECENT RESEARCH IN MESOAMERICA AND CENTRAL AMERICA**Room:** 16 Acoma**Time:** 10:45 AM–12:00 PM**Chair:** Yajaira Núñez-Cortés**Participants:**

- 10:45 Lynneth Lowe—Hermann Berendt and Charles Rau: Notes on the Origin of Maya Archaeological Collections during the 19th Century
- 11:00 Akira Ichikawa—Double-Headed Serpent in the Southeastern Maya Frontier: Late Classic Deposit Unearthed from San Andres, El Salvador
- 11:15 David Milley, Armando Anaya Hernández, Nicholas Dunning, Kathryn Reese-Taylor and Debra S. Walker—Post-Classic Canal Excavations at Yaxnohcah, Mexico
- 11:30 Yajaira Núñez-Cortés and Francisco Corrales-Ulloa —Exploring the Social and Political Dynamics of Power Centers in Central Pacific Costa Rica
- 11:45 Carlos Fitzgerald-Bernal, Alvaro Brizuela-Casimir and Freddy Rodríguez-Saza—New Phylogenetic Information from Ancient DNA for Central Panamá

[331] GENERAL SESSION ■ ARCHAEOLOGICAL PERSPECTIVES ON COLONIALISM AND COLONIZATION: CENTRAL AND SOUTH AMERICA**Room:** 20 Laguna**Time:** 10:45 AM–12:00 PM**Chair:** Zachary Nissen**Participants:**

- 10:45 Zachary Nissen—Community Archaeology and (Post)Colonial Identities in Northernmost Belize
- 11:00 Ana Navas—Tales of Extinction: Natives in the Narratives of Early Colonial Panama, Historical Representations, and Archaeology
- 11:15 Charlotte Williams—Shipwrecked Heritage of the Old and New World: Owning and Owning up to the 'Midas Touch' of the Colonial Past
- 11:30 Josefina Vasquez Pazmino—Imperial Space Appropriation and Colonialism during the 16th Century in the Ecuadorian Andes
- 11:45 Maria Smith—Where the River Flows: Water Politics and Textile Production in Colonial Peru

[332] GENERAL SESSION ■ ARCHAEOLOGY OF THE PALEOINDIAN PERIOD IN NORTH AMERICA**Room:** 230 Pecos**Time:** 10:45 AM–12:00 PM**Chair:** Angela Gore**Participants:**

- 10:45 Robert Rowe—Megafauna 101 for Archaeologists
- 11:00 C. Hemmings—Late Pleistocene Faunal Utilization: Some Current Thoughts on Paleoindian Diet and Tool Source Selection
- 11:15 Angela Gore—From Source to Site: Investigating Diachronic Toolstone Procurement and Land-Use in the Nenana Valley, Interior Alaska
- 11:30 Amanda Carroll—Perspectives on Pits of the Western Stemmed Tradition: An Analysis on the Contents of Feature 59 at the Cooper's Ferry Site
- 11:45 Ciprian Ardelean—The Human Presence in the Americas during and before the Late Glacial Maximum under the Light of New Investigations at Chiquihuite Cave, the Older-Than-Clovis Site in Mexico

Saturday Morning, April 13, 2019

[333] GENERAL SESSION ■ SPACE AND PLACE IN ANCIENT SOUTHEAST ASIA**Room:** 15 Zuni**Time:** 11:00 AM–12:00 PM**Chair:** Chihhua Chiang**Participants:**

- 11:00 Chihhua Chiang—The Transition from the Middle to the Late Neolithic in the Yilan Plain, Northeast Taiwan (ca. 4,200 ~3,700 B.P.)
- 11:15 Chung Yu Liu—Settlement Configuration and Social Structural Change: An Example of Graphic-Based Spatial Analysis from Kucapungane of Southern Taiwan
- 11:30 Andrew Harris—What Was Angkorian Theravada? New Analyses and Findings from "Buddhist Terraces" and Other Monastic Structures at Angkor Thom, Cambodia
- 11:45 Piyawit Moonkham—Institutionalized a Sacred Place: Social Logic and Transformation of Space in an Early Northern Thai Cultural Landscape

[334] GENERAL SESSION ■ BIOARCHAEOLOGY OF THE MEDIEVAL AND EARLY BRONZE**AGE****Room:** 130 Cimarron**Time:** 11:00 AM–12:00 PM**Chair:** Elise Alonzi**Participants:**

- 11:00 Aida Romera Barbera—Fragmented Bodies: Early Bronze Age Cremation Burials in Kilmagadwood, Scotland
- 11:15 Elise Alonzi—Fosterage and Mobility at the Early Medieval Irish Monastery on the Island of Illaunloughan: A Bioarchaeological Case Study
- 11:30 Brittany Hill—Expanding the Role of Animals in Romano-British Burials
- 11:45 Maria Soto, Siobhan Clarke, Jamie Inwood, Patrick Roberts and Julio Mercader—Decontaminating Archaeological Dental Calculus: A Protocol for Reliable Extractions

[335] GENERAL SESSION ■ ARCHAOMETRY IN GLOBAL CONTEXT**Room:** 210 Tijeras**Time:** 11:15 AM–12:00 PM**Chair:** Nicola Sharratt**Participants:**

- 11:15 Gabriela Oppitz—Community Ways and Historical Paths in Brazilian Southern Coast (5000–600 BP)
- 11:30 Nicola Sharratt—Crafting Community: A Multi-site Analysis of Craft Production and Exchange in the Aftermath of State Collapse
- 11:45 Izumi Shimada and Amy Szumilewicz—Large-Scale Craft Production and the Andean Religious Center: A Reconsideration

[336] GENERAL SESSION ■ NORTH AMERICAN MATERIAL CULTURE IN THE 19TH CENTURY**Room:** 120 Dona Ana**Time:** 11:15 AM–12:00 PM**Chair:** Dana Olesch**Participants:**

- 11:15 Benjamin Curry, Heather Atherton and Scott Baxter—Notorious and Profitable: Exploring Fresno's China Alley
- 11:30 Emiliano Gallaga—The Presidio San Carlos Archaeological Project: Preliminary Results
- 11:45 Dana Olesch, Guido Pezzarossi and Philip Millhouse—Literacy, Toys, and Social Roles: Childrearing and Subject Making on the 19th Century Wisconsin Frontier

Saturday Afternoon, April 13, 2019

Saturday Afternoon ■ April 13, 2019

[337] GENERAL SESSION ■ MEDITERRANEAN ARCHAEOLOGY, PART II

Room: 70 Tewa

Time: 1:00 PM–2:30 PM

Chair: Kate Trusler

Participants:

- 1:00 Heather Rosch—Risk Management in Agriculturally Marginal Areas of Southwestern Anatolia during the Ottoman Period
- 1:15 Kate Trusler, Gwendolyn Martin-Apostolatos and Wayne Lorenz—Around the Watering Hole: An In-Depth Analysis of Pompeii's Fountains
- 1:30 Andrew Cabaniss—Overlapping Traces: Categorizing Ceramic Use-Wear across Functions
- 1:45 Natalie Susmann—Expanding the Boundaries of Cultic Space: An Investigation of Nature in Greek Cultic Spaces in the Argolid and Messenia (2800–146 BCE)
- 2:00 Gregory Zaro, Martina Celhar and Igor Borzic—Late Antiquity Revealed: Assessing Urban Change at Roman Nedinum in Northern Dalmatia, Croatia
- 2:15 Alexander Rosa, Michael Kolb, Scott Kirk and William Balco—Siculo-Norman Tableware Consumption upon Monte Bonifato: A Spatial Analysis

[338] GENERAL SESSION ■ GEOARCHAEOLOGY: GLOBAL CASE STUDIES, PART II

Room: 65 Hopi

Time: 1:00 PM–2:30 PM

Chair: Rachel Kulick

Participants:

- 1:00 Rachel Kulick—Crisis in Geoarchaeological Context: Reassessing Bronze Age 'Collapse' at Palaikastro, Crete, Greece
- 1:15 Sarah Morris and Britt Bousman —Paleolandscape Reconstruction Using Geoproxy Evidence at Erfkroon, a Middle to Later Stone Age Occupation in South Africa's Continental Interior
- 1:30 Mussa Raja, Nuno Bicho, Jonathan Haws, Mussa Achimo and Ana Gomes—Geochemical and Sedimentary-Based Reconstruction of the Palaeoenvironment and Formation of the Late Stone Age Site of Txina-Txina (Massingir, Mozambique)
- 1:45 Dominic Stratford, Lucinda Backwell, Francesco d'Errico, Lyn Wadley and Emese Bordy—New Excavations at Border Cave: Preliminary Reflections on Stratigraphy and Site Formation Processes
- 2:00 Jeremy Beller—Lithic Procurement at a Levantine Desert Refugium during the Middle Pleistocene
- 2:15 Geon Young Kim—Latrine Use and Human Waste Management in East Asia: Configurational and Depositional Approach

[339] ELECTRONIC SYMPOSIUM ■ PRE-COLUMBIAN COSMOPOLITANISMS

Room: 220 Ruidoso

Time: 1:00 PM–3:00 PM

Chairs: Jonathan Dubois, Jon Spenard and Francisco Valdez

Participants:

- Olivia Navarro-Farr, Keith Eppich and Griselda Perez—A Cosmopolitan Queen: Kaloomte' K'abel's Place on the Ancient Maya World Stage
- Megan Leight and Brent Woodfill—Maya kosmopolitês (Citizens of the World): Using a Cosmopolitan Approach to Study Trade, Identity and Belonging at Salinas de los Nueve Cerros

Jonathan Dubois—One of Many Centers: Evidence for Precolumbian Cosmopolitanisms in the Rock Art of Huánuco, Peru
 Jon Spenard—Cosmopolitan Caves of the Pre-Hispanic Maya: What Can Cave Artifact Assemblages Tell Us about Maya Socio-political Interactions?

[340] FORUM ■ #METOO IN ARCHAEOLOGY
(Sponsored by SAA Ethics Committee)
Room: 110 Galisteo
Time: 1:00 PM–3:00 PM
Moderators: Heather Thakar, Jason De Leon and Pamela Geller

Participants:

Susan Chandler—Discussant
 Christopher Dore—Discussant
 Arlen Chase—Discussant
 Lisa Lucero—Discussant
 Julie Stein—Discussant
 David Carballo—Discussant
 Barra ODonnabhain—Discussant
 Chelsea Fisher—Discussant
 Laura Heath-Stout—Discussant
 Valorie Aquino—Discussant
 Michael Balter—Discussant
 Heather Thakar—Discussant

[341] FORUM ■ ELIMINATING CULTURAL RESOURCE CRIME FROM INDIAN COUNTRY THROUGH INTEGRATED PREVENTION, INVESTIGATION, AND PROSECUTION
(Sponsored by Archaeology Southwest & Fort Apache Heritage Foundation)
Room: 120 Dona Ana
Time: 1:00 PM–3:00 PM
Moderator: John Welch

Participants:

Benjamin Nuvamsa—Discussant
 Bonnie Magness-Gardiner—Discussant
 Mitchell Keur—Discussant
 Brandi MacDonald—Discussant
 Duston Whiting—Discussant
 Michael Richards—Discussant
 Stacy Ryan—Discussant
 Garry Cantley—Discussant
 Barbara Mills—Discussant
 Ramon Riley—Discussant
 Franklin Chavez—Discussant

[342] FORUM ■ PROTECTING THE GREATER CHACO LANDSCAPE: NATIVE VOICES
(SAA President's Sponsored Session)
Room: 270 Ballroom C
Time: 1:00 PM–3:00 PM
Moderators: Paul Reed and Ruth Van Dyke

Participants:

Deb Haaland—Discussant
Theresa Pasqual—Discussant
William Tsosie—Discussant
Timothy Menchego—Discussant
Ruth Van Dyke—Discussant
Benji Chavarria—Discussant
Phillip Tuwaletstiwa—Discussant
Octavius Seowtewa—Discussant

[343] FORUM ■ ESTABLISHING BEST-PRACTICES GUIDELINES FOR ARCHAEOLOGIST AND ARTIFACT-COLLECTOR COLLABORATORS

(Sponsored by SAA Archaeologist-Collector Collaboration Interest Group [ACCI])

Room: 18 Cochiti/30 Taos

Time: 1:00 PM–3:00 PM

Moderators: Bonnie Pitblado and Jaye Smith

Participants:

Scott Brosowski—Discussant
Scott Clark—Discussant
John Doershuk—Discussant
Patricia Gilman—Discussant
Bonnie Glencross—Discussant
Richard Rose—Discussant
Suzie Thomas—Discussant
Tom Westfall—Discussant
John Whittaker—Discussant

[344] FORUM ■ ARCHAEOLOGICAL SYNTHESIS IN PRACTICE: THE DIGITAL INDEX OF NORTH AMERICAN ARCHAEOLOGY (DINAA)

(Sponsored by The Digital Index of North American Archaeology)

Room: 32 Tesuque

Time: 1:00 PM–3:00 PM

Moderators: Sarah Whitcher Kansa and Joshua J. Wells

Participants:

Neha Gupta—Discussant
Erick Robinson—Discussant
Jolene Smith—Discussant
Meghan Howey—Discussant
Jordan Jacobs—Discussant
Kelsey Noack Myers—Discussant
Tim Goddard—Discussant

[345] SYMPOSIUM ■ MANIFESTING MOVEMENT MATERIALLY: BROADENING THE MESOAMERICAN VIEW

Room: 130 Cimarron

Time: 1:00 PM–3:30 PM

Chairs: Sarah Boudreaux, Victoria Ingalls and Christian Sheumaker

Participants:

1:00 Christian Sheumaker—Moving Off-Road: Traversing Taskscapes at Wari Camp, Belize

Saturday Afternoon, April 13, 2019

- 1:15 Carolyn Tate—Postcards in the Landscape: Considering Lower Pecos Pictographs as Nahua Pilgrimage Destinations
- 1:30 M. Kathryn Brown and Jason Yaeger—The Sacred Landscape of Xunantunich, Belize
- 1:45 David Hyde and Lauri Martin—Veneration and Pilgrimage at a Hinterland Shrine: Evidence from the Medicinal Trail Community, Northwestern Belize
- 2:00 Adam Birge—The Materiality of Movement and Rhythm in Sajama, Bolivia
- 2:15 Justin Bracken—How Monumental Architecture Directs Movement: Defensive and Hydrological Features at Muralla de León
- 2:30 Victoria Ingalls—Community Formation through Movement: Focal Nodes and Community Landscapes of the Mopan River Valley, Belize
- 2:45 Shauna Garland—Transportation or Transformation?: Road Depictions in Relaciones Geográficas of 16th-Century New Spain
- 3:00 Angela Keller—Directed Movement at Ancient Maya Centers
- 3:15 Laura Levi—Discussant

[346] GENERAL SESSION ■ HOHOKAM, MOGOLLON, AND IN BETWEEN**Room:** 25 Navajo**Time:** 1:00 PM–3:30 PM**Chair:** David Lewandowski**Participants:**

- 1:00 Andrew Vorsanger and Steve Swanson —Footprints of the Ancestors: A 1,000-Year-Old Hohokam Trackway in the La Plaza Site, Tempe, Arizona
- 1:15 David Bustoz—Crushing Traditional Hohokam Ceramic Typology: Grog Temper in the Early Formative Period
- 1:30 Stephen Uzzle—Reevaluating Mobility and Sedentism in Classic Mimbres and Salado Villages in Southwest New Mexico
- 1:45 David Robinson and Marybeth Tomka—Calibration of Chronometric Assays from the WS Ranch Site (LA 3099) and Other Sites in the Middle San Francisco River Valley, West-Central New Mexico
- 2:00 Dylan Person—The Flow of Lithic Production: Debitage Analysis in the Mogollon Highlands, AD550-1000
- 2:15 Christopher Stanton—An Analysis of Projectile Point Agency from the South Diamond Creek Pueblo Site
- 2:30 David Lewandowski—Persistent Places and Settlement Patterns in the Mogollon Highlands: A Case Study along Eagle Creek, Eastern Arizona
- 2:45 Jim Railey—Bedrock Mortars as Symbolic Features
- 3:00 James Neely and Don Lancaster —The Bajada Canals of the Safford Basin, Southeastern Arizona: Excellence in Prehistoric Engineering
- 3:15 Yuko Kita, Miguel Domínguez Acosta, Aldo Izaguirre Pompa, Patricia Girón García and Alberto Peña Rodríguez—Identification of Earthen Construction Techniques in the Casas Grandes Region, Chihuahua, Mexico

[347] SYMPOSIUM ■ ARCHAEOLOGICAL APPROACHES TO SLAVERY AND UNFREE LABOUR IN AFRICA*(Sponsored by SAfA)***Room:** 20 Laguna**Time:** 1:00 PM–3:45 PM**Chairs:** Stephanie Wynne-Jones and Henriette Rødland**Participants:**

- 1:00 Ann Stahl—Discussant
- 1:15 Krish Seetah, Sasa Caval, Diego Calaon and Alessandra Cianciosi—Indian

Saturday Afternoon, April 13, 2019

- Ocean Comparative Dimensions of Slavery: Resistance and Memory from Mauritius
- 1:30 Julia Haines—Mauritian Indenture in the Indian Ocean
- 1:45 Stefania Manfio and Yann von Arnim—Maritime Archaeology and Slavery in Mauritius: Le Coureur Shipwreck
- 2:00 Sam Challis and Brent Sinclair-Thomson—Runaway Slaves, Rock Art and Resistance in the Cape Colony, South Africa
- 2:15 Marcos Leitao De Almeida—Becoming Villagers, Becoming Enslavers: Social Change in Bantu-Speaking Early Villages during the Late Holocene Arid Phase (ca. 1200 BCE. – ca. 100 BCE)
- 2:30 Scott MacEachern—The Span of ‘Slavery’: Considering Systems of Domination and Labour in the Lake Chad Basin
- 2:45 Amanda Logan—Assessing the Impacts of the Atlantic Slave Trade and American Crops on African Agriculture
- 3:00 Neil Norman—New Neighbors/Nearest Neighbors: Slavery, Displacement, and Belonging along the West African Coast
- 3:15 J. Cameron Monroe—Demographic Change and the Trans-Atlantic Slave Trade in West Africa: An Example from the Abomey Plateau, Bénin
- 3:30 Questions and Answers

[348] SYMPOSIUM ■ MIGRATION AND CLIMATE CHANGE: THE SPREAD OF MISSISSIPPIAN CULTURE

Room: 16 Acoma

Time: 1:00 PM–3:45 PM

Chairs: Robert Cook and Aaron Comstock

Participants:

- 1:00 John Blitz—Migration and Climate Change in Mississippian Archaeology: An Introduction and Brief History
- 1:15 Kristin Hedman, Thomas Emerson, Timothy Pauketat and Matthew Fort—Temporal Patterns in Diet and Population Movement within Greater Cahokia
- 1:30 Sissel Schroeder, A. J. White, Lora Stevens, Samuel Munoz and Varenka Lorenzi—Migration, Population Change, and Climate at Cahokia
- 1:45 Jeremy Wilson, Amber VanDerwarker, Duane Esarey and Broxton Bird—Drought, Diet, Demography, and Diaspora during the Mississippian Period: A View from the Central Illinois River Valley
- 2:00 Thomas Zych and John Richards—Pushing and Pulling the Mississippian Moment Into the Western Great Lakes
- 2:15 Thomas Emerson, Kristin Hedman and Matthew Fort—Late Precolumbian Subsistence Change, Socio-political Transformation, and Ethnogenesis in the Upper Illinois River Valley
- 2:30 Robert Cook and Aaron Comstock—Migration and Ethnic Hybridity: Examining the Middle Ohio Valley Mississippian Periphery
- 2:45 Scott Meeks, Jacob Lulewicz, Shawn Patch, Kevin Smith and Lynne Sullivan—Middle Cumberland to Dallas: Constructing Peace in the Valley
- 3:00 Dorian Burnette, David Dye and Arleen Hill—Climate Change, Population Migration, and Ritual Continuity in the Lower Mississippi Valley
- 3:15 Jayur Mehta and Christopher Rodning—Environment, Climate, and Mississippian Origins in the Lower Mississippi Valley and the Mississippi River Delta
- 3:30 Charles Cobb—Discussant

[349] SYMPOSIUM ■ MESOAMERICAN FIGURINES IN CONTEXT. NEW INSIGHTS ON TRIDIMENSIONAL REPRESENTATIONS FROM ARCHAEOLOGY

Room: 210 Tijeras

Time: 1:00 PM–3:45 PM

Chairs: Juliette Testard and Brigitte Faugere

Participants:

- 1:00 Patricia Ochoa Castillo—The Context of Tlatilco Figurines
- 1:15 Catharina Santasilia—Early Formative Figurines from Tlatilco - Understanding the Diversity and Individuality
- 1:30 Brigitte Faugere—The Sets of Figurines in Western Mesoamerica: Contexts and Possible Interpretations During the Formative
- 1:45 Maria Reyes Parroquin—Where the Laugh Died: The Archaeological Contexts of the Smiling Figurines, a Comparative Analysis
- 2:00 Miriam Judith Gallegos Gomora and Ricardo Armijo Torres—Contextos y Narraciones del Clásico: Las Figurillas de Tabasco, México
- 2:15 Erin Sears—The Intersection of Late Classic Figurines at a Crossroads of the Maya World
- 2:30 Michelle Rich, Erin Sears, Ronald L. Bishop and Dorie Reents-Budet—Digging the Scene: More on the El Perú-Waka' Burial 39 Figurines
- 2:45 Martha Lorenza López Mestas Camberos and Marisol Montejano Esquivias—Las Figurillas "Cerro de García": Usos y Significación
- 3:00 Emilie LeBrell, Geoffrey McCafferty and Sharisse McCafferty—Female Figurines of the Greater Nicoya Region 500 BCE – 1250 CE
- 3:15 Juliette Testard, Marion Forest and Elsa Jadot—Mazapan Style Figurines at El Palacio: What Significance for The Early Postclassic Interregional Interactions in Northern Michoacán?
- 3:30 Lisa Overholtzer—Discussant

[350] SYMPOSIUM ■ WORKING WITH THE COMMUNITY IN ECUADOR

Room: 15 Zuni

Time: 1:00 PM–3:45 PM

Chairs: Maria-Auxiliadora Cordero, Josefina Vasquez Pazmino and Alejandra Gudino

Participants:

- 1:00 Amelia Sánchez Mosquera—Cultura Viva y Arqueología, del Registro de la Memoria por Propios y Extraños
- 1:15 Valentina Martínez and Michael Harris—The Transformation of Long-Term Anthropological and Archaeological Engagements in Communities: Cases from Southern Manabi Province
- 1:30 Amanda Brock—The Role of Women Following a Community Archaeology Project in Agua Blanca, Ecuador (1979-2018)
- 1:45 Estanislao Pazmiño—El Secuestro del "Tesoro de Huataviro": Cuando la Comunidad Manda
- 2:00 Zev Cossin, Ariel Charro, Jane Poss and Siobhan Boyd—Working toward Collective Benefit? Reflections on Community Based Participatory Research in Cangahua, Ecuador
- 2:15 Alejandra Gudino and Ronald Lippi—Shared Spaces, Shared Stories: A Reflection on Archeology and Community from the Ecuadorian Rain Forest
- 2:30 Roxanne Recinos and Sarah Rowe—Breaking the Site Museum Mold: Designing the Dos Mangas Community Museum
- 2:45 Florencio Delgado Espinoza and Josefina Vasquez Pazmino—Community Archaeology in Coastal Ecuador: Balancing Interests
- 3:00 Juan Jijon and Marcos Labrada—Arqueología y Comunidad en la provincia de

Saturday Afternoon, April 13, 2019

- 3:15 Manabi, dos casos de estudio
Colin McEwan—Discussant
3:30 Questions and Answers

[351] SYMPOSIUM ■ MIND THE GAP: EXPLORING UNCHARTED TERRITORIES IN MEDIEVAL EUROPEAN ARCHAEOLOGY

Room: 19 Isleta

Time: 1:00 PM–4:00 PM

Chair: Robin Fleming

Participants:

- 1:00 Bailey Young and Isabelle Catteddu—INRAP and the Changing Early Medieval Landscape in France
1:15 Florin Curta—The (Missing) Archaeology of the Early Medieval Nomads
1:30 Naomi Sykes, Elizabeth Craig-Atkins, Ben Jervis and Aleksandra McClain—Archaeologies of the Norman Conquest
1:45 Dries Tys and Barbora Wouters—Towns under the Microscope: Revising Historical Narratives on the Development of Medieval Towns and their Markets in Northwestern Europe
2:00 John Soderberg—Care and the Disregard of Care in Medieval Ireland
2:15 Jennifer Shaffer Foster—Just Beyond the 'Land of Women': Examining Gender in Early and Late Medieval Ireland
2:30 James Boone—Comparative Eurasian Statecraft: al-Andalus in the context of the Medieval West
2:45 Kathryn Grow Allen—A Case for Islam: Bioarchaeological Research on the Ottoman Period in Southeast Europe
3:00 Melissa Ritchey and Heather Trigg—Reconsidering Cereal Production and Consumption in the North Atlantic: A case study from Northern Iceland
3:15 Douglas Bolender and Elizabeth Sweet—The Missing Medieval in the North Atlantic
3:30 Robin Fleming—Discussant
3:45 Questions and Answers

[352] SYMPOSIUM ■ QUESTIONING THE FUNDAMENTALS OF PLANT AND ANIMAL DOMESTICATION

Room: 22 San Juan

Time: 1:00 PM–4:00 PM

Chairs: Melanie Fillios and Greger Larson

Participants:

- 1:00 Melinda Zeder—Documenting Domestication 2.0
1:15 Alan Outram and Ludovic Orlando—The Archaeology and Ancient Genomics of Early Horse Domestication: Not as Simple as Once Thought!
1:30 Fiona Marshall—Whose Donkey? Domestication and Variability
1:45 Kathryn Lord, Greger Larson, Raymond Coppinger and Elinor Karlsson—The History of the Fox Farm Experiment and Its Ramifications for Understanding the Origins of Domesticated Animals
2:00 James Roberts, Lloyd Weeks, Melanie Fillios, Charlotte Cable and Yaaqoub Yousef al-Aali—The Relationship between Humans and Camels in Late Prehistoric Southeastern Arabia: The Problems of Distinguishing between 'Wild' and 'Domestic' Camels Using Zooarchaeological Materials and Methods
2:15 Benjamin Arbuckle—Predomestic Animal Management and the Social Context of Animal Exploitation in SW Asia
2:30 Erin Thornton, Kitty Emery and Camilla Speller—The Environmental and Cultural

Saturday Afternoon, April 13, 2019

- 2:45 Context of North American Turkey Domestication
Melanie Fillios and Sarah Ledogar—Understanding the Interplay between Domesticated Choice and the Environment: The Case of the Humble Australian Sheep
- 3:00 Joel Alves, Carly Ameen, Tom Fowler, Naomi Sykes and Greger Larson—Of Rabbits and Men: Using Ancient DNA and GMM to Investigate Rabbit Domestication
- 3:15 Michael Charles, Charlotte Diffey, Laura Green and Amy Bogaard—An Agroecological Perspective on Crop Domestication in Western Asia
- 3:30 Arie Altman, Stephen Shennan and John Odling-Smee—Gene-Culture Coevolution and Breeding of Ornamental Plants Is a Specific Aesthetics-Driven Social Niche
- 3:45 Dorian Fuller—Pathways to Plant Domestication: Categories of Cultivation Practice and Convergent Evolution

[353] SYMPOSIUM ■ COOPERATIVE BODIES: BIOARCHAEOLOGY AND NON-RANKED SOCIETIES**Room:** 29 Sandia**Time:** 1:00 PM–4:00 PM**Chairs:** Sara L. Juengst and Sara Becker**Participants:**

- 1:00 Sara L. Juengst—Bodies of Power: The Bioarchaeology of Cooperation
- 1:15 Jess Beck—The Labor of Building a Community: Collective Organization and Mortuary Practices in Copper Age Iberia
- 1:30 Anna-Marie Casserly and Briana Moore—Analyzing Stress, Discovering Cooperation: A Case Study of a Late Archaic Sample from the Green River Region of Kentucky
- 1:45 Daniel Temple—Questioning Complexity: Amulet Usage and Relational Ontologies in Hunter-Gatherers from Japan and Alaska
- 2:00 Emily Sharp—Old Tomb, New Ancestors: Investigating the Role of a Preceramic Burial in Huarás Community Formation
- 2:15 Christine Lee—Nomadic Identity: The Origins of a Multiethnic Empire in Mongolia.
- 2:30 Sara Becker—Why Heterarchy? A View from the Tiwanaku State's (AD 500-1100) Labor Force.
- 2:45 Anna Novotny—Cooperation and Resilience at the Ancient Maya Site of Chan, Belize
- 3:00 Clairia Ralston, Debra Martin and Maryann Calleja—Working, Living, and Dying Together: Rethinking Marginality, Sex, and Heterarchy in Kayenta Communities (AD 900-1150)
- 3:15 Kathryn Baustian—Bioarchaeological and Mortuary Indicators of Social Order in Mimbres Society: Seated Burials, Occupational Stress, Health, and Trauma
- 3:30 Sammantha Holder, Laurie Reitsema, Tosha Dupras and Rimantas Jankauskas—Exploring Cooperation and Hierarchy among Napoleonic Soldiers by Reconstructing Dietary Variation Using Stable Isotope Analysis
- 3:45 Carole Crumley—Discussant

[354] SYMPOSIUM ■ RETHINKING HINTERLANDS IN POLYNESIA**Room:** 60 Chaco**Time:** 1:00 PM–4:00 PM**Chairs:** Summer Moore and Nick Belluzzo

Participants:

- 1:00 John O'Connor—Recent Investigations at Western Raiatea
 1:15 Justin Cramb and Victor Thompson—Coral Islands, High Islands: A Case of Continued Contact and Cultural Divergence in East Polynesia
 1:30 D. Kalani Heinz—Nā Wahine o nā 'Āina Kuleana: Assessing the Impact of Colonization on Gender Experience in North Kohala, Hawai'i Island
 1:45 Nick Belluzzo—Moving within the 'A'ā: The Influence of Liminality in the Hinterlands of Manukā, Ka'ū, Hawai'i Island
 2:00 Alexander Baer—There Are No Chiefs Here: Contrasting Questions of "Marginality" in Kaupō, Maui, and the Mauna Kea Adze Quarry, Hawai'i Island
 2:15 Robert Hommon—Hinterlands and Mobile Courts of the Hawai'i Island State
 2:30 Summer Moore—Contrast and Connection in a Colonial-Era Hawaiian Hinterland: A Study of Nineteenth-Century Households on the Nā Pali Coast, Kaua'i Island
 2:45 Benjamin Barna—Varied Outcomes of the Colonial Encounter in Hawaii Island's Hinterlands
 3:00 Karen Greig and Richard Walter—Core-Hinterland Dynamics in New Zealand Archaeology
 3:15 Seth Quintus—Small Islands and Hinterlands: Exploring Scale and the Sāmoan Archipelago
 3:30 Jennifer Kahn—Discussant
 3:45 Thegn Ladefoged—Discussant

[355] SYMPOSIUM ■ ALFAREROS DESTE INGA: POTTERY PRODUCTION, DISTRIBUTION AND EXCHANGE IN THE TAWANTINSUYU**Room:** 23 Nambe**Time:** 1:00 PM–4:00 PM**Chairs:** Alejandro Chu and Sonia Alconini**Participants:**

- 1:00 Tamara Bray and Leah Minc—Comparative Analysis of Imperial Inca Pottery from Ecuador using INAA
 1:15 R. Alan Covey, Robert Selden, Astrid Runggaldier and Nicole Payntar—Geometric Morphometric Perspectives on Vessel Shape Hybridity in Inka-Chimú Ceramics
 1:30 James Davenport and Marie-Claude Boileau—Reconstructing the Chaîne Opératoire of Inka and Local Pottery from Pachacamac, Peru Using Compositional Analyses and X-Radiography
 1:45 Alejandro Chu—Advances in Mineral Characterization of the Late Horizon Pottery from Incahuasi, Cañete
 2:00 Diana Carhuanina—La Cerámica Inka en Vilcashuamán: Hacia el Análisis de sus Estilos
 2:15 Kylie Quave—Factional Ceramic Economies in the Inka Imperial Heartland
 2:30 Sonia Alconini—Inka Provincialism and the Empire: Commensalism and Social Agency
 2:45 Mauricio Uribe—Circulación de Cerámica en Tiempos del Inca: Aportes del Norte de Chile
 3:00 Francisco Garrido—Reconsidering the Imperial Subjects of the Southern Collasuyu: Commensality and Agency in Northern Chile
 3:15 Veronica Williams and Calogero Santoro—Did Skilled Local Potters Emulate Inka Polychrome Ceramic Style and Pottery Paste? Code Declassification Through Instrumental Neutron Activation Analysis (INAA)
 3:30 Matthew Warren—Aryballos, Bowls, and Bolas: Examining the Distribution of Provincial Inka-Style Pottery in the Threatened Borderland Region of the Valles

3:45 Cruceños
 Questions and Answers

[356] SYMPOSIUM ■ WARI AND THE FAR PERUVIAN SOUTH COAST: FINAL RESULTS OF EXCAVATIONS IN QUILCAPAMPA

Room: 28 Santo Domingo

Time: 1:00 PM–4:00 PM

Chair: Justin Jennings

Participants:

1:00 Stefanie Bautista—The History of Archaeological Investigations at Quilcapampa, Siguan Valley, Peru
 1:15 Willy Yopez Alvarez—Caminos del Horizonte Medio en Arequipa: Paisaje como un espacio socialmente constituido
 1:30 Giles Spence-Morrow and Stephen Berquist—The Petroglyphs of Quilcapampa la Antigua
 1:45 Luis Manuel Gonzalez La Rosa—Architectural Contexts in Quilcapampa
 2:00 Oscar Huamán López—Estilo Cerámicos del Horizonte Medio en Quilcapampa
 2:15 Aleksa Alaica—Quilcapampa and Points of Convergence in Middle Horizon Arequipa: Faunal Evidence for Extensive Interregional Interaction
 2:30 Matthew Biber—An Analysis of Botanical Remains from the Site of Quilcapampa
 2:45 Mallory Melton and Matthew Biber—New Starch Grain Results and a Synthetic Approach to Foodways at Quilcapampa La Antigua
 3:00 Patricia Quiñonez—Estudios de las especies de moluscos en Quilcapampa La Antigua
 3:15 Justin Jennings—Understanding Quilcapampa
 3:30 David Reid—Discussant
 3:45 Questions and Answers

[357] SYMPOSIUM ■ BYWAYS TO THE PAST: AN AMERICAN HIGHWAY ARCHAEOLOGY SYMPOSIUM

Room: 230 Pecos

Time: 1:00 PM–4:15 PM

Chair: Joe Baker

Participants:

1:00 C. Scott Speal, Jean Howson and Leonard Bianchi—Re-discovery of the Jackson Street "Dog's Nest" in Waterbury, Connecticut: The First-Generation European Immigrant Experience in New England's Brass City
 1:15 Rebecca Wells, Matthew Leister, Sandra Brantley and Kenneth Brown—Spiders and Mud Daubers at LA112420, an Early Developmental Pithouse in Sandoval County, NM
 1:30 Nina Versaggi and Brian Grills—The Stratton Mill Creek Site: Deciphering a Landscape Feature in the Upper Susquehanna River Valley
 1:45 Stephanie Stoermer, Jeani Borchert and Ben Rhodd—NDDOT's Collaborative Approach to Tribal Involvement during Project Development and Delivery
 2:00 Rebecca Schwendler—Metamorphosis of the Unique Pueblo III–IV Hokona Site in the El Morro Valley of New Mexico
 2:15 Glenn Gmoser and Adie Whitaker—Transcending Transects: Research Contexts for a Landscape View of Highway Corridor Archaeology in California.
 2:30 Jennifer Wilson, Sean Stcherbinine and Roger Kiers—Building Bridges: Federal, State, and Tribal Collaboration on the US 101 Elwha River Bridge Replacement Project, Washington State
 2:45 Deil Lundin and John Langan—Digging the Tucson–Ajo Highway: Eight Years of

Saturday Afternoon, April 13, 2019

- Transportation-Funded Archaeology along Arizona State Route 86 and New Perspectives on Eastern Papaguerian Prehistory
- 3:00 Jonathan Burns—Archaeology Field School Meets Transportation Data Recovery: An Alternative Mitigation at the James W. Hatch Site (36CE544), Centre County, Pennsylvania
- 3:15 Alleen Betzenhauser, Thomas Emerson, Brad H. Koldehoff and Tamira K. Brennan—Discovering Buried Pasts: Illinois Transportation Archaeology and the Rediscovery of America's First Native City
- 3:30 Erina Gruner—Recent Work at the Pueblo del Alamo: Ceramic Production and Exchange in the Lower Salt River Valley
- 3:45 Laura Kate Schnitzer and Susan Olin—Refining Archaeological Probability Models: Case Studies from Georgia DOT Systematic Wetland Surveys
- 4:00 Owen Lindauer—Discussant

[358] SYMPOSIUM ■ SUPERNATURAL GAMEKEEPERS AND ANIMAL MASTERS: A CROSS-CULTURAL PERSPECTIVE

Room: 21 Jemez

Time: 1:00 PM–4:15 PM

Chair: Richard Chacon

Participants:

- 1:00 Bettina Schulz Paulsson—Sperm Whales and Neolithic Whaling Societies along the Coasts of Atlantic Europe
- 1:15 Diana Stein—Signs of Animal Masters and Associated Rituals in the ancient Near East
- 1:30 Hitoshi Yamada—Supernatural Gamekeepers among the Ainu and Their Possible Parallels
- 1:45 Shelly Tiley—Prestige and Predation: Dugong Hunters of the Torres Strait, Australia
- 2:00 Silvia Tomaskova—Siberian Indigenous Traditions of Game Keeping and the Supernatural: Historical Continuities and Discontinuities
- 2:15 John Johnson—"Shadow of the Whale:" West Coast Rituals Associated with Luring Whales
- 2:30 Questions and Answers
- 2:45 David Dye—Animal Masters, Guardian Animals, and Masters of Animals in Eastern North America
- 3:00 Alexandre Tokovinine—Mountain Lords: Divine Game Keepers of the Ancient Maya and their Mesoamerican Context
- 3:15 Linda Brown and Kitty Emery—Negotiating with the Lord of Wild Animals: Maya Ritual Practices and the Distinctive Life-Histories of Animal Bones
- 3:30 Richard Chacon—Tukano, Embera, and Achuar (Shiwiar) Supernatural Gamekeepers/Animal Masters: Environmental Impacts of Native Beliefs in a Changing World
- 3:45 Álvaro Fernández-Llamazares and Victoria Reyes-García—Supernatural Gamekeepers among the Tsimane' Hunter-Gatherers of Bolivian Amazonia
- 4:00 Benjamin Smith—Discussant

[359] SYMPOSIUM ■ THE SOUTH CAUCASUS REGION: CROSSROADS OF SOCIETIES & POLITICS. AN ASSESSMENT OF RESEARCH PERSPECTIVES IN POST-SOVIET TIMES
(Sponsored by IAC, University of Georgia (Tbilisi) & ARISC, American Research Inst. of the South Caucasus)

Room: 17 Apache

Time: 1:00 PM–4:15 PM

Chairs: Alvaro Higuera, David Berikashvili and Isabelle Coupal

Participants:

- 1:00 Alvaro Higuera—Research and Heritage Management in the Southern Caucasus: Future Perspectives in Post-Soviet Scenarios
- 1:15 Ian Lindsay and Alan F. Greene—New Solutions to Old Challenges: Methods and Results from Project ArAGATS' Kasakh Valley Archaeological Survey (KVAS) Project, Northwestern Armenia (2015-17)
- 1:30 Vakhtang Licheli—10th Century BC Novelties in the Central Part of Southern Caucasus
- 1:45 Nathaniel Erb-Satullo—Elite Stronghold or Communal Defense? Investigating a Late Bronze-Early Iron Age Cyclopean Fortress in Kvemo Kartli, Southern Georgia
- 2:00 Elizabeth Fagan—Everything Old Is New Again: Considerations for Re-examining the Previously Excavated Material of Hellenistic- and Roman-Period Armenia
- 2:15 Lauren Ristvet—Negotiating Empires: Village Dynamics in Naxcivan, Azerbaijan
- 2:30 David Berikashvili—Samshilde and the Medieval Kingdoms of Kartli
- 2:45 Maureen Marshall—Building Bronze Age Populations of the South Caucasus: Preliminary Bioarchaeological Results from the Kasakh Valley Archaeological Survey
- 3:00 Aram Yardumian—Archaeology and Genetics in the South Caucasus
- 3:15 Isabelle Coupal—Modelling the Skeleton of Future Bioarchaeological Research in Georgia
- 3:30 Benjamin Irvine—Howdy Neighbour – Transgressing Borders and Peering over the Fence to Examine the Application of Isotopic Analyses to Bioarchaeology in Anatolia
- 3:45 Lori Khatchadourian—Discussant
- 4:00 Questions and Answers

[360] SYMPOSIUM ■ STUDIES IN MESOAMERICAN SUBTERRANEAN ARCHAEOLOGY

Room: 215 San Miguel

Time: 1:00 PM–4:30 PM

Chair: James Brady

Participants:

- 1:00 Cinthia Marlene Campos, James Brady and José Luis Punzo Díaz—Caves beyond the Dripline: Reconceptualizing the Subterranean-Surface Dichotomy
- 1:15 Allan Cobb—Breathless in the Underworld: The Effects of Low Oxygen, High Carbon Dioxide, and High Carbon Monoxide on Cave Ritual
- 1:30 Cristina Verdugo, James Brady and Lars Fehren-Schmitz—Exploring Dental Modification Practices at Midnight Terror Cave, Belize
- 1:45 Ann Scott—Turning a Critical Eye on the History of Maya Cave Archaeology
- 2:00 Heriberto Marquez—A Closer Look at the Use of Cueva de Sangre through Skeletal Remains
- 2:15 Dominique Rissolo—A Reexamination of Postclassic Maya Cave Altars along the Central Coast of Quintana Roo
- 2:30 Melanie Saldana and James Brady—Recent Radiocarbon Dates from the Shaft and Cave under the Osario at Chichén Itzá: Rethinking the High Priest's Grave

Saturday Afternoon, April 13, 2019

- 2:45 Wendy Layco—The Investigation of a Sascabera Near the Las Monjas Complex in Chichen Itza
- 3:00 James Brady and Brenna Perteet—The Planned Conversion of a Sascabera into a Man-made Cave: Evidence from Chichen Itza
- 3:15 Christina Iglesias and Michael Prout—Reinterpreting a Sacrificial Ossuary at Chichen Itza
- 3:30 Brian Waldo—An Assessment of Water Resources at Chichen Itza
- 3:45 Kimberly Zhu and Guillermo de Anda—What's in That Incense Burner? A Study of Residues at Balamku
- 4:00 Neil Kohanski and Jeffery Rosa Figueroa—The Ritual Requirements for Opening a Maya Cave
- 4:15 Guillermo Gerardo De Alaniz and Karla Ortega—The Reemergence of Balamku as a First Order Sacred Landmark at Chichen Itza

[361] SYMPOSIUM ■ NEW THOUGHTS ON CURRENT RESEARCH IN EAST ASIAN**ARCHAEOLOGY****Room:** 31 Santa Ana**Time:** 1:00 PM–4:30 PM**Chairs:** Rowan Flad and Chengrui Zhang**Participants:**

- 1:00 Yinghua Li, Yuduan Zhou, Side Hao, Wanbo Huang and Hubert Forestier—Rethinking the Variability of Cobble-Tool Industry in South China and Southeast Asia during Late Pleistocene-Holocene Transition
- 1:15 Chao Zhao, Qingchuan Bao and Xiaonong Hu—A Study of Transition to Agriculture in the Ulanqab Region of the Southern Mongolian Steppe Zone of China
- 1:30 Yifan Wang, Yu Dong, Fen Wang and Fengshi Luan—Animal Resources Utilization and Management at the Late Neolithic Dinggong Site, China: Evidences from Stable Isotope Analysis
- 1:45 Peng Lyu, Xiaobing Jia and Yingxi Jin—Human Behavior or Environmental Change: Zooarchaeological Research on Shell Midden Sites at Guanglu Island, China
- 2:00 Liye Xie, Chun Fu Liu and Casey Lun—Settlement Relocation and the Emergence of Early Urban Centers in the Heartland of Chinese Civilization, 2500-1600 BCE
- 2:15 Yue Li, Yaopeng Qian, Honghai Chen, Zhen Wang and Haifeng Dou—The Zooarchaeological Analysis of Pre-Zhou Animal Remains from the Zaoshugou Site and the Zaolinhetan Site in Central Shaanxi, China
- 2:30 Questions and Answers
- 2:45 Yadi Wen—Chaîne Opératoire in Jade Study
- 3:00 Xin Su—Preliminary Exploration of Provenance of Stones and Strategy of Using Stones in Panlongcheng Site during Shang Period
- 3:15 Yun Ge—The Origin of Metallurgy in China: Retrospect and Prospect
- 3:30 Dongdong Li and Camilla Sturm—Settlement Patterns in the Taojiahu-Xiaocheng Region of Jiangnan Plain China
- 3:45 Youngbae Ji—The Study of Early Neolithic Tombs in Korea
- 4:00 Jiyoung Park—The Three Settlement Patterns of the Southern Korean Peninsula in the Proto-Three Kingdoms Period
- 4:15 Eun Gyeng Yang—The Northern Wei Temple Layout at the Yungang Grottoes in China and East-West Cultural Exchange

[362] SYMPOSIUM ■ "RE-EXCAVATING" LEGACY COLLECTIONS

Room: 240 La Cienega

Time: 1:00 PM–4:30 PM

Chairs: Lindsay Bloch, Amanda Hall and Donna Ruhl

Participants:

- 1:00 Lindsay Bloch—Rose Red—Filmed by Any Other Name: Pottery Typology and Genealogy in the Southeastern US
- 1:15 Elise LeCompte—The Paper Chase: Legacy Collections' Records
- 1:30 Elizabeth Bollwerk, Jillian Galle, Lynsey Bates, Leslie Cooper and Fraser Neiman—Creating Context: Analyzing Legacy Documentary Data to Understand the Emergence of Enslaved Societies at Flowerdew Hundred Plantation
- 1:45 Sarah Platt—Artifact Boxes and Cans of Worms; Navigating the 87 Church Street Legacy Collections
- 2:00 Deanna De Boer and Samantha Wade—Who Tells Your Story? Utilizing Legacy Collections to Serve a Living Culture
- 2:15 Margo Schwadron—Lost and Found and the Peculiar Lives of Collections: Examples of Bridging Ethical Stewardship and Research with Florida National Park Legacy Collections
- 2:30 Jenna Battillo, R.G. Matson and William Lipe—Tale of a Test Pit: The Research History of a Midden Column from the Turkey Pen Site, Utah
- 2:45 Amanda Hall—Rewriting Narratives by Challenging Old Ideas: The Potential in Applying Recent Innovations in Archaeology to Legacy Collections.
- 3:00 Jeffrey Alvey, Evan Peacock and Joseph Mitchell—The Value of Legacy Collections for Recognizing and Reducing Error in Artifact Analysis
- 3:15 Nathan Lawres—Relatedness, Circularity, and Place-Centeredness in Belle Glade Artifacts: Reevaluating South Florida Collections from an Ontological Framework
- 3:30 Laura Van Voorhis, Ellen Lofaro, Neill Wallis and Donna Ruhl—Bioarchaeology Legacy Collections: Varying Perspectives, Perceptions, and Challenges
- 3:45 Donna Ruhl—The Hidden Voice of Forests: Revisiting Archaeobotanical Legacy Collections from Southeastern U.S. Shell Rings
- 4:00 Dru McGill—Discussant
- 4:15 Questions and Answers

[363] SYMPOSIUM ■ THE MOVEMENT OF TECHNICAL KNOWLEDGE: CROSS-CRAFT PERSPECTIVES ON MOBILITY AND KNOWLEDGE IN PRODUCTION TECHNOLOGIES

Room: 235 Mesilla

Time: 1:00 PM–4:30 PM

Chairs: Louise Iles and Carmen Ting

Participants:

- 1:00 Carmen Ting, Athanasios Vionis, Vasiliki Kassianidou and Thilo Rehren—Did the Student Become the Master? The Development of the Glaze Technology in Cyprus during the 13th to 17th Centuries AD
- 1:15 Catarina Guzzo Falci, Marlieke Ernst, Thomas Breukel and Corinne L. Hofman—Transferable Skills: Crafts and Knowledge Transmission in the Ancient Caribbean
- 1:30 Carmen Sarjeant—Trade Networks and Selective Cultural Transmission of Ceramic Technologies in Neolithic Southern Vietnam
- 1:45 Alicia Boswell and Joanne Pillsbury—Technical Knowledge, Metal Artisans, and Moche Visual Culture: A View from Piura, Peru
- 2:00 Bartłomiej Lis, Evangelia Kiriati and Noémi Müller—From Local to Regional Technological Landscapes – The Mobility of Aeginetan Potters
- 2:15 David Killick—Discussant

Saturday Afternoon, April 13, 2019

- 2:30 Patrick Degryse, Sarah Dillis, Alicia Van Ham-Meert and Andrew Shortland—The Origin and Spread of Antimony as a Raw Material in Metal and Vitreous Materials Making: From the Bronze Age to the Roman Period
- 2:45 Brady Liss, Thomas E. Levy and James Day—Accidental Innovation? Using Isotopic Analysis to Test Possible Iron Production as a By-Product of Advanced Copper Smelting
- 3:00 David Larreina-Garcia and Juan Antonio Quirós-Castillo—The Medieval Basque Iron Industry, Cultural Traits in Technological Traditions
- 3:15 Miljana Radivojevic, Marko Porcic and Jelena Grujic—Complexity Science and Archaeological Cultures: Evaluating Archaeological Phenomena Using Networks Analysis of Copper Supply in the Balkans, c. 6200 – 3200 BCE
- 3:30 Cathy Costin—Post-Fire Incising as a Means of Controlling Esoteric Knowledge in the Andean Formative
- 3:45 Kathryn Arthur—Transferring Technological Knowledge: Becoming Craft Specialists and Craft Items through Ritual Reproduction
- 4:00 Michael Charlton—Niche Construction and Iron Smelting Technology: Some Thoughts on the Development of Regional Metallurgical Economies
- 4:15 Evangelia Kiriati—Discussant

[364] SYMPOSIUM ■ PATAGONIAN EVOLUTIONARY ARCHAEOLOGY AND HUMAN PALEOECOLOGY: COMMENDING THE LEGACY (STILL IN THE MAKING) OF LUIS ALBERTO BORRERO IN THE INTERPRETATION OF HUNTER-GATHERER STUDIES OF THE SOUTHERN CONE

Room: 10 Anasazi

Time: 1:00 PM–4:45 PM

Chairs: César Méndez and Juan Belardi

Participants:

- 1:00 Gustavo Neme, Adolfo Gil, Laura Salgan, Miguel Giardina and Clara Otaola—A Biogeographic Approach to Hunter-Gatherer Dispersion Constraints in Northern Patagonia
- 1:15 Ramiro Barberena, Valeria Cortegoso, Alejandra Gasco, Erik J. Marsh and Augusto Tessone—Human Biogeography, Life Histories and Bioavailable Strontium in the Southern Andes (Argentina and Chile)
- 1:30 Gustavo Martinez, Florencia Santos Valero, Erika Borges Vaz, Luciana Stoessel and Gustavo Flensburg—Distributional Archaeology in the Steppes on North Patagonia (Río Negro Province, Argentina)
- 1:45 Omar Reyes and César Méndez—Biogeographic Barriers, Marginality and Explicit Analytical Scales in the Northern Archipelago of Western Patagonia, Chile
- 2:00 Vivian Scheinsohn, Florencia Rizzo and Sabrina Leonardt—"In pursuit of the past": Borrero Influences in Our Regional Research in the NW of Patagonia (Chubut, Argentina)
- 2:15 Amalia Nuevo Delaunay, César Méndez and Omar Reyes—Living in/Visiting Andean Dead Ends: Measuring the Intensity of Human Land Use at the Fringes of the Northern Ice Field
- 2:30 Nora Franco—Luis Borrero's Model of Peopling of Patagonia: Some Examples of his Application in Lithic and Mobility Studies
- 2:45 Juan Belardi, Flavia Carballo Marina and Patricia Campan—Big Pictures, Broad Questions, and Archaeological Knowledge along the Steppe and the Forest in the Southern Argentinean Patagonia
- 3:00 Fabiana Martín—Re-evaluation of the Archaeology of the Pali Aike Lava Field
- 3:15 Flavia Morello Repetto, Mauricio Massone, Fabiana Martín, Robert McCulloch and Manuel J. San Román—Luis Alberto Borrero South-North Drift, Multiple

Saturday Afternoon, April 13, 2019

- Markers for the Archaeology of Tierra del Fuego and the Fuegian Archipelago (52°-56° S)
- 3:30 Atilio Zangrando and Angélica Tivoli—Colonization of the Southern Tip of the World
- 3:45 Questions and Answers
- 4:00 Diane Gifford-Gonzalez—Discussant
- 4:15 Robert Drennan—Discussant
- 4:30 Luis Borrero—Discussant

[365] SYMPOSIUM ■ DEFINING AND MEASURING DIVERSITY IN ARCHAEOLOGY**Room:** 27 Picuris**Time:** 1:00 PM–4:45 PM**Chairs:** Metin Eren and Briggs Buchanan**Participants:**

- 1:00 Briggs Buchanan and Metin Eren—Introduction to Session with a Discussion of Measuring Stone Tool Diversity
- 1:15 Matthew Boulanger, Ryan Breslawski and Ian Jorgeson—A Systematic Approach to Quantifying Diversity in the Morphology and Spatial Distribution of Eastern Paleoindian Projectile Points
- 1:30 W. James Stemp and Danielle A. Macdonald—Diversity and Lithic Microwear: Quantification, Classification, and Standardization
- 1:45 Tyler Faith and Andrew Du—Coverage-Based Rarefaction in Zooarchaeology: Potential and Pitfalls
- 2:00 Suzanne Pilaar Birch—Spatial and Temporal Diversity in Stable Isotope Studies of Archaeological Material
- 2:15 Erik Otarola-Castillo, Melissa Torquato, Angel Nihells, John Rapes and Matthew Hill—Managing the Effects of Climate Change and Foraging Risk through Dietary Portfolio Diversity, an Example from 13,000 years of Human-Environment Interactions on the Great Plains of North America
- 2:30 Richard Meindl and Michelle Bebbler—The Diversity of Old Copper Culture Projectile Points
- 2:45 Alan Farahani and R. J. Sinensky—Challenges and Prospects of Richness and Diversity Measures in Paleoethnobotany
- 3:00 Brian Andrews, Danielle Macdonald and Brooke Morgan—Diversity in Hunter-Gatherer Architecture
- 3:15 Carl Lipo, Mark Madsen, Robert J. DiNapoli and Terry Hunt—Solutions to Drift on Small and Isolated Populations
- 3:30 Marieka Brouwer Burg and Meghan Howey—Unbinding Diversity Measures in Archaeology Using GIS
- 3:45 Steven Kuhn—Thinking about Spatial Scale and Diversity in Archaeology
- 4:00 Robert Colwell—Discussant
- 4:15 David Thomas—Discussant
- 4:30 Questions and Answers

[366] SYMPOSIUM ■ PUSHING THE ENVELOPE, CHASING STONE AGE SAILORS AND EARLY AGRICULTURE: PAPERS IN HONOR OF THE CAREER OF ALAN H. SIMMONS**Room:** 275 Ballroom B**Time:** 1:00 PM–5:00 PM**Chairs:** Levi Keach and Katelyn DiBenedetto**Participants:**

- 1:00 Sharon Debowski and David Doyel—The World as His Oyster: Our Journey with Alan Simmons

Saturday Afternoon, April 13, 2019

- 1:15 Barbara Roth—Maize Pollen but No Hippos: Alan Simmons' Contributions to Our Understanding of the Adoption of Agriculture in the U.S. Southwest
- 1:30 David Rhode—Simmons at DRI: Years of Famine and Triumph
- 1:45 Geoffrey Clark—The Old Stone Age in the Shammakh-to-Ayl Archaeological Survey Area, West-central Jordan
- 2:00 Gary Rollefson—The Road More Traveled: 'Ain Ghazal and the Peopling of the Black Desert
- 2:15 Nigel Goring-Morris and Anna Belfer-Cohen—Neolithic Group Sizes – Further Thoughts
- 2:30 Ian Kuijt—Stop the Press!!!: Settlement Hierarchies in the Early Pre-Pottery Neolithic? Not...
- 2:45 Jason Cooper—Neolithic Tales from the Eastern Mediterranean Basin: A Graduate Student's Experience under Dr. Alan H. Simmons at the University of Nevada Las Vegas in the 1990s
- 3:00 Thomas Davis—Hippos, Cows and CAARI: Alan Simmons' impact on Cypriot Archaeology
- 3:15 Andrew McCarthy—Signs of Shared Identity: Neolithic Incised Stones in Cyprus and Beyond
- 3:30 Leilani Lucas—Filling the Envelope: a History of Archaeobotanical Research in Cyprus
- 3:45 Katelyn DiBenedetto and Levi Keach—Landscape and Super-Regional Scale Interaction within the Aceramic Neolithic of Cyprus
- 4:00 Anna Osterholtz—Becoming Cypriot: Identity Formation, Negotiation and Renegotiation on Bronze Age Cyprus
- 4:15 Renee Kolvet—Characteristics of an Upland Cypro-PPNB Ground Stone Assemblage
- 4:30 Deborah Olszewski—Discussant
- 4:45 Rolfe Mandel—Discussant

[367] SYMPOSIUM ■ THE ARCHAEOLOGIES OF CONTACT, COLONY, AND RESISTANCE**Room:** 115 Brazos**Time:** 1:00 PM–5:00 PM**Chair:** Matthew Schmader**Participants:**

- 1:00 Jami Lockhart and Timothy Mulvihill—Crossing the Mississippi: A Landscape of First Encounters
- 1:15 Angélica María Medrano—The Weapons of the Mixton War (1541-1542)
- 1:30 John Worth—From Accommodation to Massacre: Evolving Native Responses to Spanish Military Expeditions in the Interior Southeast, 1540-1568
- 1:45 Matthew Schmader—The Persistence of Resistance: Resiliency and Survival in the Pueblo World, 1539-1696
- 2:00 Christina Bolte and John Worth—A “Snapshot” of the Mid-Sixteenth-Century Colonial Culture of New Spain: the 1559-1561 Tristán de Luna y Arellano Settlement on Pensacola Bay
- 2:15 Christopher Rodning, Robin Beck and David Moore—What Happened at Joara, Cuenca, and Fort San Juan: Archaeological Finds from the Berry Site in Western North Carolina
- 2:30 Matt Liebmann—A Slow Burning Fuse: Spanish Colonialism, Franciscan Missions, and Pueblo Population Changes in Northern New Mexico
- 2:45 Gifford Waters—The Spanish Missions of La Florida: Archaeologies and Histories of Contact, Colonization, and Resistance
- 3:00 Matthew Barbour, Audree Espada and Ethan Ortega—Life under the Franciscans: Giusewa Pueblo after 1621

Saturday Afternoon, April 13, 2019

- 3:15 Heather Trigg and Cordelia Snow—Spanish-Pueblo Interactions in New Mexico's Early Colonial Spanish Households: Negotiations of Knowledge and Power in Practice
- 3:30 Stephen Post—Reappraisal of Evidence for the Pueblo Revolt Village Located in the Villa of Santa Fe, 1680 to 1697
- 3:45 Adam Kaeding—Colonial and Caste War Continuities in the Beneficios Altos Province of Yucatán
- 4:00 Christine Beaulieu—Blue Tunics and Royal Lions: Colonial Period Changes in Clothing and Changing Conceptions of Indigeneity in the Spanish Colonial Americas
- 4:15 Francisco Montoya Mar and Maby Medrano Enríquez—Santiago Apostol in the Conquest of Nueva Galicia and the Fiesta de los Tastoanes
- 4:30 Questions and Answers
- 4:45 Richard Flint—Discussant

[368] SYMPOSIUM ■ HUMAN INTERACTIONS WITH EXTINCT FAUNA**Room:** 140 Aztec**Time:** 1:00 PM–4:30 PM**Chair:** Angela Perri**Participants:**

- 1:00 Michael Petraglia—Interactions between Hominins and Mammalian Faunas in Southern Asia
- 1:15 Curtis Marean, Richard Cowling and Janet Franklin—A Model of the Extinct Palaeo-Agulhas Plain Ecosystem in Southernmost Africa
- 1:30 Christopher Brooke, Curtis Marean, Jacob Harris and Jan A. Venter—Using the Present to Uncover the Past: Reconstructing the Ecology and Behaviour of Extinct Large Mammals on the Palaeo-Agulhas Plain (South Coast, South Africa)
- 1:45 Angela Perri, Jeffrey Saunders, Greger Larson, Laurent Frantz and Alice Mouton—Stark Variation: New Insights into Dire Wolves and Their Interactions with Humans
- 2:00 Gary Haynes, Janis Klimowicz and Piotr Wojtal—Can Mammoth Killing Be Distinguished from Mammoth Scavenging by Humans and Carnivores?
- 2:15 Jack Broughton and Elic Weitzel—Population Reconstructions for Humans and Megafauna Suggest Mixed Causes for North American Pleistocene Extinctions
- 2:30 Madeline Mackie, Todd Surovell, Matthew O'Brien and Robert L. Kelly—The La Prele Mammoth Site: A Clovis Mammoth Site with an Associated Campsite, Converse County, Wyoming
- 2:45 Eileen Johnson—Prey and Predators on the Late Pleistocene Llano Estacado
- 3:00 Vance Holliday, Jeffrey Saunders, Jesse Ballenger, David Bustos and Aimee Weber—Late Pleistocene Megafauna in the Archaeological Record of the Greater Southwest
- 3:15 Matthew G. Hill—Clovis and the Chronology of Megafaunal Extinctions in the Southern Great Lakes
- 3:30 Courtney Hofman, Torben Rick and Jesus Maldonado—California Channel Islands Micromammals: A Story of Invasion and Extinction.
- 3:45 Todd Braje, Hannah Haas, Matthew Edwards, Jon Erlandson and Steven Whitaker—Trans-Holocene Human Impacts on Endangered California Black Abalone (*Haliotis cracherodii*) Population Structures: Historical Ecological Management Implications from the Northern Channel Islands
- 4:00 T. Cregg Madrigal and Suzanne Pilaar Birch—Archaeology and Stable Isotope Ecology of the Passenger Pigeon: Tracing the Prehistory of an Extinct Bird

Saturday Afternoon, April 13, 2019

- 4:15 Virginia L. Butler, Jessica Miller, Alexander Stevenson, Dongya Yang and Camilla Speller—Where Did the Fish Go? Use of Archaeological Salmonid Remains to Guide Recovery Efforts in the American West

[369] SYMPOSIUM ■ THE ART AND ARCHAEOLOGY OF THE WEST: PAPERS IN HONOR OF LAWRENCE L. LOENDORF

Room: 280 Ballroom A

Time: 1:00 PM–5:00 PM

Chair: David Whitley

Participants:

- 1:00 Chris Loendorf—One Tough Act to Follow: A Retrospective of the Archaeological Career of Lawrence L. Loendorf
- 1:15 Jon Harman—DStretch Contributions to Sacred Sites Projects in Montana and Wyoming
- 1:30 Mairead Poulin—Making the Walls Talk: Rock Art and Memory in the American Southwest
- 1:45 Jeani Borchert—Instructor, Boss, Mentor and Friend: The Multi-talented Dr. Loendorf
- 2:00 Margaret Berrier—Ceremonial Depictions of Bighorn Sheep Anthropomorphs in the Jornada Mogollon Region
- 2:15 Michael Bies—A Keelboat Petroglyph in the Northern Bighorn Basin of Wyoming
- 2:30 Evelyn Billo, Robert Mark and Kelley Hays-Gilpin—With Beauty Around: The Canyon del Muerto Rock Art Documentation Project
- 2:45 Kevin O'Briant—Reimagining Non-representational Rock Art through Proto-Historical Indigenous Cartographic Traditions
- 3:00 Julie Francis—The Lasting Legacy of Larry Loendorf at Legend Rock
- 3:15 Mark Willis and Myles Miller—What Lies Beneath: The Application of 3D Image Enhancements to Explore Relationships between Rock Art and Rock Surfaces
- 3:30 Carolyn McClellan and Lawrence Loendorf—Legend Rock Remembered
- 3:45 Marvin Rowe—In Search of Hot (or Cool) Dates with Larry
- 4:00 James Keyser and Linea Sundstrom—Ambrose Bierce's Indian Inscriptions: Biographic Art Along the Bozeman Trail
- 4:15 Margarita Diaz-Andreu, María de la Luz Gutiérrez Martínez, Tommaso Mattioli, César Villalobos and Zubieta Leslie—The Soundscapes of Baja California Sur: Preliminary Results of the Arroyo de San Pablo Rock Art Canyon
- 4:30 David Whitley—Ritual Space and Ritual Place in California Rock Art
- 4:45 Lawrence Loendorf—Discussant

[370] POSTER SESSION ■ WHAT'S FOR DINNER? MESOAMERICAN DIETS AND FOODWAYS

Room: La Sala

Time: 2:00 PM–4:00 PM

Participants:

- 370-a Scott Fedick—When Do We Eat? The Life Cycle of Indigenous Maya Food-Plants and Temporal Implications for Residential Stability
- 370-b Rebecca Friedel, Bernadette Cap and Jason Yaeger—Paleoethnobotanical Remains from an Early Classic Maya Tomb at Buenavista del Cayo, Belize
- 370-c Emily McKenzie, Taylor Puckett, Lawford Hatcher and Katherine Chiou—What's in a Seed?: Identifying Archaeological Chili Pepper Remains from Mesoamerica
- 370-d Lori Phillips, Erin Thornton and Eleanor Harrison-Buck—Testing the Efficacy of Sulfur Isotopes from the Maya Site of Chulub
- 370-e Caroline Parris—Nuancing the Maya Feast: A Reexamination of the Function of Ceramic Feasting Assemblages

- 370-f Michelle Carpenter, Robert Hard and Raymond Mauldin—Stable Isotope Analysis of the San Pedro and Cienega Phases at the La Playa Site (SON: F: 10: 3), Sonora, Mexico
- 370-g Morgan McKenna, Gabriel Wrobel, Amy Michael, Amy S. Commendador and Patricia McAnany—Understanding the Diet of Late to Terminal Classic Period Maya Groups in the Sibun River Valley, Belize, through Food Web Reconstruction

[371] POSTER SESSION ■ CENTERS, PERIPHERIES, BORDERS, AND BOUNDARIES: NEW UNDERSTANDINGS OF CLASSIC MAYA SETTLEMENT

Room: La Sala

Time: 2:00 PM–4:00 PM

Participants:

- 371-a Daniel Conley and Rissa Trachman —Investigating Market Activity at the Ancient Maya Site of Dos Hombres, Belize
- 371-b Thomas Ruhl—Symbolism and Ritual Associated to Ancient Maya Water Management
- 371-c David Mixter—Building a Frontier? Preliminary Investigations into a Late Preclassic Maya Triadic Temple Group
- 371-d Hannah Bauer and Olivia Navarro-Farr —A Cross-Comparative Study of Problematic Deposits from M13-1 at El Perú Waka' and the North Acropolis at Tikal
- 371-e Aimee Alvarado—Analyzing the Relationship between Peri-abandonment Deposits and the Eastern Shrine of Xunantunich, Group B
- 371-f Phoebe Fairbairn, Zachary Stanyard, David M. Hyde and Annie Riegert—Excavations of a Secondary Burial at Group L of the Medicinal Trail Hinterland Community, Northwestern Belize
- 371-g Heather Richards-Rissetto and Ellis Codd—Community Organization and Urban Dynamics at Copan, Honduras
- 371-h Griffin Larson, Zachary Stanyard, David M. Hyde and Michael Stowe—Excavations at Group I: A Small Residential Household in the Medicinal Trail Hinterlands Community, Northwest Belize
- 371-i Abel Nachamie, John Walden, Michael Biggie, Kyle Shaw-Müller and Rafael Guerra—Reconstructing Shifting Patterns of Ritual Practices and Ceremonial Authority at the Emergent Late Classic Maya Polity of Lower Dover, Belize
- 371-j Amy Gillaspie, Julie Hoggarth and Jaime Awe—Understanding the Ritual of Peri-abandonment Deposit Behavior Evidenced by Late Classic Maya Figurines at the Site of Baking Pot, Cayo District, Belize
- 371-k Annie Riegert, Caroline L. Znachko, Lauren Koutlias and David M. Hyde—Excavation of a Maya Cist Burial at Group A of the Medicinal Trail Community, Northwestern Belize
- 371-l Cady Rutherford, Marisol Cortes-Rincon, Jonathan Roldan and Spencer Mitchell—Household Variation in the Maya Hinterlands
- 371-m Gertrude Kilgore—Examining Early Maya Public Architecture at Gallon Jug, Belize
- 371-n Stephanie Miller—Connecting Communities: Materiality of Everyday Life along the Sacbe

[372] POSTER SESSION ■ LITHIC ECONOMIES OF THE ANCIENT MAYA

Room: La Sala

Time: 2:00 PM–4:00 PM

Participants:

- 372-a Christopher Carr, Jeffrey Brewer, Nicholas Dunning, Kathryn Reese-Taylor and Armando Anaya Hernández—Ancient Maya Quarries: Limestone, Chert and Lidar
- 372-b Nicholas Dunning, Christopher Carr and Timothy Beach—Sakwitz'ob: There's Gypsum in Them Thar Hills
- 372-c E. Cory Sills and Heather McKillop—Chemical Analyses of Obsidian from Classic Maya Paynes Creek Salt Works, Belize
- 372-d Anais Levin, John Walden, Lauren Garcia, Julie Hoggarth and Jaime Awe—The Impact of an Emergent Maya Polity on the Domestic Lithic Economy: A Perspective from the Hinterlands of Lower Dover, Belize
- 372-e Nathan Brownstein, Betsy Kohut and George J. Bey III—Obsidian Geochemical Sourcing at Huntichmul, Kiuic and Escalera Al Cielo in the Puuc Region, Mexico

[373] POSTER SESSION ■ MESOAMERICAN LANDSCAPES AND COMMUNITIES**Room:** La Sala**Time:** 2:00 PM–4:00 PM**Participants:**

- 373-a Brian McKee—The Archaeology of Indigo Production in Morazán, El Salvador
- 373-b Daniela Hernandez Sarinana and David Carballo—Building Community Ties Using Archaeology in Tlajinga, Teotihuacan
- 373-c Nadia Johnson—Erosion and Agricultural Resilience in the Formative Teotihuacan Valley
- 373-d John Walden, Claire Ebert, Julie Hoggarth, Shane Montgomery and Jaime Awe—Assessing Classic Maya Intermediate Elite Political Strategies through Multivariate Statistical Manipulation of Settlement Pattern Data
- 373-e Gina Buckley and Spencer Seman—For Richer or Poorer: A Comparison of Residential Mobility Patterns between Socioeconomic Groups at the La Ventilla District of Teotihuacan
- 373-f Kobi Weaver and Heather McKillop—Analysis of Marine Sediment by Chemical Signatures to Discover Evidence of Ancient Maya Activities at Site 74, Paynes Creek Salt Works, Belize
- 373-g Kea Warren—Ceramic Evidence for Immigration among Households at Calixtlahuaca in the Toluca Valley
- 373-h Axel Andrade Pérez—La Casa del Sur: una unidad palaciega perteneciente al Conjunto Monumental de Atzompa, Oaxaca
- 373-i Renee Collins, Sasha Collins and Rafael Guerra—What Once Was Lost, Now Is Found: Investigating the Relationships of Lower Dover in the Belize River Valley
- 373-j Gabriela Montero—Postclassic Communities and Colonial Reconfigurations in the Eastern Lower Papaloapan Basin, Veracruz, Mexico
- 373-k Melissa Dods, Olivia Navarro-Farr and Karen Alley—Staying Afloat: A Comparative Case Study of Angkor Wat and Tikal's Management of Water
- 373-l Eunice Villasenor Iribe, Christopher Morehart and Andrés Mejía Ramón—The Distribution and Characterization of Agricultural Terraces on Cerro de la Mesa Ahumada, Mexico
- 373-m Bridget M. Zavala and Gerardo Aldair Garcia Ortega—Landscape Archaeology and Plant Use in Northern Durango, Mexico
- 373-n Cinthya Vidal Aldana, Emmanuel Gómez, Hugo Sánchez, Alfonso Grave and Jorge Blancas—Archaeology of Culiacán Valley: An Integral Approach
- 373-o Juan Sereno-Uribe—Survey and Architecture of Piedra Labrada, Guerrero, Mexico
- 373-p Kirk French, Elijah Hermit and Neal Hutcheson—The Land and Water Revisited Project

[374] POSTER SESSION ■ MESOAMERICAN ARTIFACTS AND ARCHITECTURE

Room: La Sala

Time: 2:00 PM–4:00 PM

Participants:

- 374-a Jesús De La Rosa-Díaz and Ciprian Ardelean—Valle de Bonanza (Zacatecas, Mexico): Desert Varnish and Technology in a Surface Lithic Assemblage
- 374-b Gavin Wisner—A Zooarchaeological Analysis of Caves Branch Rockshelter and Sapodilla Rockshelter
- 374-c Angela Huster and Christopher Morehart—The Burial Artifacts of Epiclassic Los Mogotes, Basin of Mexico
- 374-d Katie K. Tappan, Ian N. Roa, Gavin Wisner and Chrissina Burke—What the Shell? Taphonomic and Cultural Modifications of Freshwater and Marine Shell from the Upper Belize River Valley
- 374-e Edgar Alarcón Tinajero, Christopher Morehart and Angela Huster—Approaching the Iconography of Epiclassic Censer Ornaments, a Typology from Los Mogotes, Estado de México
- 374-f Katrina Kosyk—Sonic Places: Preliminary Acoustic Analysis in Early Colonial Tepeticpac, Tlaxcala
- 374-g Dominique Sparks-Stokes and Kenneth Tankersley—Mineralogical and Chemical Properties of Preclassic Maya Ceramics from Colha, Belize
- 374-h Bianca Gentil—Mapping Obsidian Exchange Networks in Central Mexico from the Late Postclassic Periods (900-1519CE)

[375] POSTER SESSION ■ ARCHAEOLOGY IN SOUTH CENTRAL MICHOACÁN MÉXICO, ONGOING STUDIES

Room: La Sala

Time: 2:00 PM–4:00 PM

Chair: José Luis Punzo Díaz

Participants:

- 375-a Patricio Gutierrez, Alfonso Gastelum, José Luis Punzo Díaz, Lissandra González and Dante Martínez—A Possible Sculptural Tradition in Eastern Michoacán and Western State of México
- 375-b Dante Martínez Vázquez, José Luis Punzo Díaz, Cinthia Marlene Campos, Alfonso Gastelum and Max Ayala—Evidence of Early Human Occupation at “Cueva de los Hacheros”, Michoacán
- 375-c David Rangel, Ariana Juárez, Alejandro Valdes and José Luis Punzo Díaz—Continuity and Change in Prehispanic and Colonial Pottery Production at Tzintzuntzan
- 375-d Humberto Méndez, Carlos Flores, Fernanda Navarro, Lissandra González and José Luis Punzo Díaz—Tarascan Experimental Metallurgical Technology
- 375-e Andres Francisco Sanchez Guerrero, José Luis Punzo Díaz, Lissandra González and Juan Julio Morales Contreras—Archaeological Analysis of a Colonial Copper Smelting Furnace from Santa Clara del Cobre, Michoacan, Mexico

Saturday Afternoon, April 13, 2019

[376] FORUM ■ SOCIAL MEDIA AS PUBLIC ARCHAEOLOGY: UNDERSTANDING STRATEGIES, SKILLS, AND BEST PRACTICES FOR EFFECTIVE ENGAGEMENT
(Sponsored by SAA Public Education Committee)

Room: 65 Hopi**Time:** 3:00 PM–5:00 PM**Moderator:** Elizabeth Reetz**Participants:**

Sara Head—Discussant
Stephanie Halmhofer—Discussant
Katie Biittner—Discussant
Sara L. Gonzalez—Discussant
Giovanna Peebles—Discussant
Katherine Seeber—Discussant
Hanna Marie Pageau—Discussant

[377] FORUM ■ CULTURAL HERITAGE IN CONTEMPORARY SOCIETY
(Sponsored by SAA Heritage Values Interest Group)

Room: 70 Tewa**Time:** 3:00 PM–5:00 PM**Moderators:** Phyllis Messenger and Chen Shen**Participants:**

Carol Ellick—Discussant
Pei-Lin Yu—Discussant
Jeffrey Altschul—Discussant
Elizabeth Chilton—Discussant
Anne Pyburn—Discussant
Hilary Soderland—Discussant
Peter Gould—Discussant
Arlene Fleming—Discussant
Marion Werkheiser—Discussant
Diane Douglas—Discussant
Ira Matt—Discussant

[378] SYMPOSIUM ■ MODELING MOBILITY ACROSS WATERBODIES

Room: 32 Tesuque**Time:** 3:15 PM–5:00 PM**Chair:** Emma Slayton**Participants:**

3:15 Alvaro Montenegro—Adding Navigating Capabilities to a Deterministic Computer Model of Ocean Voyaging
3:30 Benjamin Davies—The Highways and Byways of the Winds: Exploring Sailing Capability and Climate Variability in Pacific Interaction
3:45 Robert Gustas—Comparison of Circuit and Least Cost Path Modeling for Maritime Peopling of the Americas
4:00 Crystal El Safadi and Fraser Sturt—Navigating the Neolithic of the North Western Approaches
4:15 Adam Benfer—Modeling Mobility in Inland Waters
4:30 Benoit Berard—Putting a Man in the Machine: Experimental Archaeology and Computational Modeling
4:45 Emma Slayton—There and Back: An Evaluation of Modeling Pre-sail Seafaring Exchange Routes

- [379] SYMPOSIUM ■ THE HEALTH AND WELFARE OF CHILDREN IN THE PAST**
(Sponsored by The Society for the Study of Childhood in the Past)
Room: 220 Ruidoso
Time: 3:30 PM–5:00 PM
Chairs: Esme Hookway and Kirsty Squires

Participants:

- 3:30 Alisha Adams, Sian Halcrow, Kate Domett and Marc Oxenham—From the Mouths of Babes: Weaning, Diet, and Stress in Neolithic Northern Vietnam
- 3:45 Melanie Miller, Yu Dong, Kate Pechenkina, Wenquan Fan and Sian Halcrow—Early Childhood Diet during the Bronze Age Eastern Zhou Dynasty (China): Evidence from Stable Isotope Analysis
- 4:00 Dawn Hadley and Elizabeth Craig-Atkins—The 'Bitter' Death of Children: Health, Welfare and the Funerary Treatment of Infants and Young Children in Christian Anglo-Saxon Cemeteries
- 4:15 Patricia Olga Hernandez Espinoza—Children of Privilege: Infant Mortuary Practices at Late Postclassical Tamtoc Society
- 4:30 Esme Hookway—An Exploration of the Demographics of Non-adults in Medieval Hospital Cemeteries in England (AD 1050-1600)
- 4:45 Kirsty Squires—All in a Day's Work: The Health and Welfare of Children Living in 19th Century Staffordshire, UK

- [380] GENERAL SESSION ■ ANCESTRAL PUEBLO ARCHAEOLOGY: MATERIAL CULTURE AND TECHNOLOGY**
Room: 110 Galisteo
Time: 3:30 PM–5:00 PM
Chair: William Marquardt

Participants:

- 3:30 Brittany Bankston—How Chaco Got the Point: Exploring the Technological Transition from Atlatl to Bow and Arrow at Chaco Canyon
- 3:45 William Marquardt—Toys or Totems? Exploring Ritual and Play in the Middle Rio Grande
- 4:00 Genevieve Woodhead—You Spin Me Right Round: Reading Southwest Indented Corrugated Pottery for Movement and Directionality
- 4:15 Katharine Williams, Angelyn Bass and Douglas Porter—Mineralogical and Micromorphological Analysis of Gypsum Washes at Casa Grande National Monument
- 4:30 Douglas Porter, Angelyn Bass, Michael Spilde, Katharine Williams and Noreen Fritz—Cedar Mesa Architecture: Analysis of Earthen Mortars, Decorated Plasters, and an Intact Wood Roof at Bare Ladder Ruin, Natural Bridges National Monument, Utah
- 4:45 Alexandra Edwards, Doug Dvoracek, Anna Semon, David Hurst Thomas and Robert Speakman—Lead Isotopes and XRF Analyses of Spanish Colonial Bronze Bells from Galisteo Basin, New Mexico

- [381] GENERAL SESSION ■ LANDSCAPE STUDIES IN ANCESTRAL PUEBLO ARCHAEOLOGY**
Room: 25 Navajo
Time: 4:00 PM–5:00 PM
Chair: Jennifer McCrackan

Participants:

- 4:00 Chandler Fitzsimons and Danny Sosa Aguilar—"How far is that in Bernie Miles?" Landscape and Identity in Abiquiu, New Mexico
- 4:15 S. Joey LaValley, Abraham Arnett and Thomas W. Swetnam—Movin' on Up:

- 4:30 Insights into Habitations on the Slopes of Cañon de San Diego, New Mexico
Jennifer McCrackan, Nick Poister, Charles P. Jackson and Eric Weaver—Nature
and Culture, Fire and Ice: The Caves of El Malpais National Monument
- 4:45 Michael D. Lewis and Joan Coltrain—Refining Stable-Isotope Diet Models at
Cedar Mesa, Utah: A Graphical Approach to Handling Too Many Sources

**[382] GENERAL SESSION ■ BIOARCHAEOLOGY: CROSS-CULTURAL COMPARATIVE
PERSPECTIVES**

Room: 120 Dona Ana
Time: 4:00 PM–5:00 PM
Chair: Rachael Byrd

Participants:

- 4:00 Jayne-Leigh Thomas and Krystiana Krupa —Bioarchaeological Ethics and
Considerations for the Deceased
- 4:15 Rachael Byrd—Going the Distance: Tracking Migration through Population
Structure in the Southwest US (2100 BC–AD 1680)
- 4:30 Wesley Vanosdall, Ryann Seifers and Rick Weathermon—The Body at the
Washtub: A Bioarchaeological Reconstruction of Identity from a Purported
1849ers Oregon Trails Burial at Camp Guernsey, WY
- 4:45 Ryann Seifers—Intersections of Identity, Health, and Diet in the Wyoming
Territory

[383] SYMPOSIUM ■ ARCHAEOLOGY AS AN ENGINE OR A CAMERA?

Room: 130 Cimarron
Time: 4:15 PM–5:00 PM
Chair: Gerardo Aldana

Participants:

- 4:15 Gerardo Aldana—Notions of Value and Ahegemonic Archaeological
Interpretation
- 4:30 Toni Gonzalez—Alternative Interpretive Lenses for Landscape at Mulch'en Witz,
La Milpa, Belize
- 4:45 Samantha Lorenz, Toni Gonzalez, Alanna Abel and Jessica Strayer—
Interpreting Identities: An Ahegemonic Archaeological Approach

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[384] ELECTRONIC SYMPOSIUM ■ AT THE INTERFACE: THE USE OF ARCHAEOLOGY AND TEXTS IN RESEARCH**Room:** 18 Cochiti/30 Taos**Time:** 8:00 AM–10:00 AM**Chair:** David Small**Participants:**

Yonatan Adler—Between Archaeology and Texts: Early Jewish Ritual Law as a Test Case

Lisa Nevett—'Least Talked About Among Men?': The Verbal and Spatial Rhetoric of Women's Roles in Classical Athens (ca.450-350BCE)

Nicholas Carter and Lauren Santini—Epigraphy and the Archaeology of Settlement in the Dolores Region, Peten, Guatemala

Alexander Safronov, Dmitri Beliaev and Milan Kováč—Rises and Falls of Uaxactun Dynasty: Combining Epigraphic and Archaeological Evidence

Dmitri Beliaev, Monica De Leon Antillon, Sergey Vepretskiy and Camilo Luin—At the Periphery II: Reconsidering Early Monuments in the Environs of Tikal

[385] ELECTRONIC SYMPOSIUM ■ OPENNESS & SENSITIVITY: PRACTICAL CONCERNS IN TAKING ARCHAEOLOGICAL DATA ONLINE*(Sponsored by SAA Digital Data Interest Group)***Room:** 110 Galisteo**Time:** 8:00 AM–10:00 AM**Chair:** Jolene Smith**Participants:**

Nicole Mathwich—Reinterpreting State Shifts Using Legacy Data: Colonialism and Zooarchaeological Assemblages in Southern Arizona

Anne Vawser—Why We Should Reassess How We Define Sensitive Archaeological Data and How We Share It

Kelsey Noack Myers—Respecting the Past and Protecting the Future: Strategies for Implementing Digital Best Practices in Historical Archaeology Research on Military Installations

Kisha Supernant—Open Data, Indigenous Knowledge, and Archaeology: The Need for Community-Driven Open Data Projects

William White—How Do We Keep “bro-ing” Away from Open Access Archaeology?: Open Access, Cultural Appropriation, and Archaeology

David Gadsby—Negotiating Complexity in the Management of Sensitive Digital Data

Worthy Martin and Carolyn Heitman—Chacoan Complexities

[386] POSTER SESSION ■ NEW HORIZONS IN EUROPEAN ARCHAEOLOGY**Room:** La Sala**Time:** 8:00 AM–10:00 AM**Participants:**

386-a Matthew Walsh, Samantha Reiter, Pernille Ladegaard-Pedersen, Marie-Louise Schjellerup Jørkov and Karin M. Frei—Tales of Bronze Age People: A Transdisciplinary Look at the Mobility of Persons, Materials and Ideas in Nordic Bronze Age Denmark

386-b Joana Belmiro, Joao Cascalheira and Célia Gonçalves —A Geometric Morphometrics Approach to Test Microlith Variability at Cabeço da Amoreira Shellmidden (Muge, Portugal)

386-c Nicolas Caretta, Finn Ole Nielsen, Michael Thorsen and Poul Otto Nielsen—Vasagård Archaeological Project: A Causewayed Enclosure and Timber Circles

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- in the Island of Bornholm, Denmark
- 386-d Anna Woodworth, Kenneth Nystrom and Natalija Condic—Reconstruction of the Diet at the Iron Age Site of Cvijina Gradina, Croatia
- 386-e Jana Velemínska, Jan Dupej, Jaroslav Bružek, Lumir Polacek and Petr Velemínský—Asymmetry of Cranial Surface in Relation to Social Stratification in Great Moravia (Early Medieval Period, Mikulčice, Czech Republic, 9th–10th Century)
- 386-f Elizabeth De Marigny—Applications of Behavioral Economics: Understanding the Effects of Roman Conquest on Late Iron Age Castro Culture Ceramic Production
- 386-g Katie Zejdlik, Jonathan Bethard, Nyárádi Zsolt and Andre Gonciar—Medieval Transylvanian Church Burial Patterns and Demographics
- 386-h Lynn Fisher, Susan Harris, Corina Knipper and Rainer Schreg—Space and Activity on an Upland Neolithic Landscape
- 386-i Anežka Koterová, Rebeka Rmoutilová, Vlastimil Králík, Pavel Ružicka and Jaroslav Bružek—Evaluation of an Impact of Different 3D Surface Scanning Protocols on Sex and Age-at-Death Assessment from Os Coxae in Bioarchaeology
- 386-j Eleanor Howell and Paul Nick Kardulias—Stylistic Inconsistency and Artistic Intent in Viking Age Oval Brooches
- 386-k Sarah Ranlett—Economies of Symbolism: Procurement and Production with ‘Precious’ Materials in the French Upper Paleolithic
- 386-l Lauren Reinman, Katie Zejdlik, Nyárádi Zsolt and Andre Gonciar—Biocultural Analysis of Atypical Mortuary Pattern Symbolism in Three Medieval Transylvanian Millstone Burials
- 386-m Gwen Bakke—Viking Age Port of Trade in Gotland, Sweden: Understanding Inter- and Intra-site Logistics through Faunal Analysis
- 386-n Jordan Bowers—Exploring Settlement Connectivity in the Lower Ave River Valley (Northwest Iberia) during the Iron Age Using Least-Cost Path Analysis

[387] POSTER SESSION ■ NEW RESEARCH ON THE ANCIENT MEDITERRANEAN WORLD**Room:** La Sala**Time:** 8:00 AM–10:00 AM**Participants:**

- 387-a Linda Gosner, Alexander Smith, Jessica Nowlin, Daniel Plekhov and Seth Price—Sinis Archaeological Project: Preliminary Results of the First Season of Landscape Survey in West-Central Sardinia
- 387-b Dana Drake Rosenstein and Konstantina-Eleni Michelaki—Petrographic Analysis of Ceramics from Umbro Greek, Southern Calabria, Italy
- 387-c Paula Kay Lazrus—Managing Forests in the 19th and Early 20th Century Boveve
- 387-d Julianne Paige, Kara Larson, Anna Osterholtz and Lujana Paraman—Feasting with the Dead: Preliminary Analysis of Faunal Remains at the Put Dragulina Roman Cemetery
- 387-e Mason Shrader and George J. Bey III —In the Hands of the God or in the Depths of a Well? Examining the Evolution of Disability in the Ancient Mediterranean Basin
- 387-f Nicholas Herrmann, Christopher Wolfe, Krysten Cruz, Despo Pilides and Yiannis Violaris—Demography, Health, and Diet of the Hellenistic to Early Christian Burial Samples from Ayioi Omoloyites Neighborhood in Lefkosia, Cyprus
- 387-g James Torpy—The Environmental Setting of Cypriot Rural Sanctuaries
- 387-h Jessica Bernstetter, Kate Trusler and Amie Green—Urban Planning and Access to Water in Pompeii

[388] POSTER SESSION ■ ARCHAEOLOGY IN ANATOLIA AND THE LEVANT

Room: La Sala

Time: 8:00 AM–10:00 AM

Participants:

- 388-a Andrew Creekmore—High-Density Urban Living at Middle Bronze Age Kurd Qaburstan, Iraq
- 388-b Jayson Gill, Daniel Adler, Keith Wilkinson, Ana Barun and Boris Gasparyan—Rocks through the Ages: A 360° Geometric Morphometric Approach to Middle Pleistocene Bifacial Technological Variability in Central Armenia
- 388-c Hanna Erftenbeck—The Production and Use of Chipped Stone Tools during the Metal Ages in the Southern Levant – Evidence from Abu Snesleh
- 388-d Katheryn Twiss, James Taylor, Justine Issavi, Scott Haddow and Camilla Mazzucato—Assessing Inequality at Neolithic Çatalhöyük, Anatolia
- 388-e Jirye Kang—Understanding Stylistic and Technical Variation in Middle Chalcolithic Painted Pottery Decoration—A Test from Tel Tsaf
- 388-f Jane Skinner, Darcy Calabria, Monica Genuardi, Mark Van Horn and Ann E. Killebrew—Phoenician Iron Smithing and Cult at Tel Akko, Israel

[389] POSTER SESSION ■ EAST ASIAN ARCHAEOLOGY

Room: La Sala

Time: 8:00 AM–10:00 AM

Participants:

- 389-a Takashi Sakaguchi—Evolution of Feasting among Jomon Societies Focused on Prestige Wooden Food-Serving Technologies
- 389-b Yu-chao Zhao and Li Feng—Mobility, Land Use, and Technological Organization at the Site of Yangshang, Gansu, China
- 389-c Gayoung Park and Ben Marwick —Change in Mobility and Site Occupation during the Late Pleistocene in Korea
- 389-d Kuei-chen Lin and Chengyi Lee—The External Connections of the Yingpanshan Site Cluster in Western Sichuan, China
- 389-e Shiyu Yang, Xingyu Man, Xuezhu Liao, Xiaofan Sun and Jiixin Li—Diet Reconstruction of Ancient Population from Banlashan Cemetery, a Neolithic Hongshan Archaeological Culture Site in China—Based on Stable Isotopic and Dental Microwear Analysis
- 389-f Liang Chen, Yaqin Jing, Xiaoya Zhan, Xiaodong Cui and Hui-Yuan Yeh—Probable Pathological Evidence of Adult Scurvy, Dating Back to about 200 B.C. in Yuci, Shanxi, China
- 389-g Catherine Klesner, Brandi MacDonald and Pamela Vandiver—Regional Production and Trade of Glazed Ceramics in Medieval Central Asia along the Silk Road
- 389-h Jiaqi Wang, Chunxue Wang, Shaowu Lv, Lixin Wang and Quanchao Zhang—Identification of Adhesive on Bone-Handled Microblades from the Houtaomuga Site in Northeast China

[390] POSTER SESSION ■ RECENT ADVANCES IN PALEOLITHIC RESEARCH IN AFRICA

Room: La Sala

Time: 8:00 AM–10:00 AM

Participants:

- 390-a Charles P. Egeland, Kyle Pontieri, Ryan Byerly, Cynthia Fadem and Andrew

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- Fishback—Neotaphonomy of a “Common Amenity” on the Grasslands of the Ngorongoro Conservation Area, Tanzania
- 390-b Amanda Stricklan, Sarah Hlubik, Rahab Kinyanjui, David Braun and Georgia Oppenheim—Phytolith Analysis of Site FxJj 20 AB
- 390-c Elena Skosey-LaLonde, Jonathan Reeves, Matthew Douglass, David Braun and Emmanuel Ndiema—A Characterization of Site Formation Processes at FxJj34, Northern Kenya
- 390-d Chloe Holden, Lana Ruck and Shelby S. J. Putt—Stone Tool Debitage Fails to Reliably Identify a Toolmaker’s Handedness
- 390-e Joshua Porter, Maryse Biernat, W. Andrew Barr, David Patterson and David Braun—Carbon Enamel Isotopes as Proxy for Dietary Changes in the Omo-Turkana Basin between 2 and 1.4 Ma
- 390-f George Biddle, Umazi Munga, David Braun and Olivia Weibe—Social Mechanism of Information Transfer in the Paleolithic: The Influence of Raw Material Quality
- 390-g Clancey Butts, John Murray, Jayde Hirniak, Hannah Keller and Naomi Cleghorn—An Undisturbed Earlier Stone Age Locality on the Southern Coast of South Africa, Exposed by Fire
- 390-h Sydney James, Jonathan Reeves, Matthew Douglass and David Braun—The Influence of Raw Material Availability on Lithic Assemblage Variability in the Koobi Fora Fm. (Kenya)
- 390-i Joshua Frye, Jonathan Reeves, Matthew Douglass and David Braun—Post-depositional Processes and Their Impact of Inferences of Behavior at FxJj 34 (Koobi Fora Formation, Northern Kenya)

[391] POSTER SESSION ■ THE ARCHAEOLOGY OF PASTORALISM**Room:** La Sala**Time:** 8:00 AM–10:00 AM**Participants:**

- 391-a William Taylor, Cassidee A. Thornhill, Gregory Hodgins, Emily Jones and Sandra Olsen—New Archaeofaunal Evidence for Early Horse Pastoralism in the Northern Plains
- 391-b Christopher Turnbow—Casa Crecida: A Buried Eighteenth Century Spanish Colonial Site in Bernalillo, New Mexico
- 391-c Emily Edwards and Megan Perry—Cultural Factors of Metabolic Disease in Infants and Young Children from Late Ottoman-Era Jordan
- 391-d Madeleine Bassett, Bruce J. Larson, Hayden Bassett, Christopher P. Chilton and Neil Norman—Analysis of Pastoralist Settlement Patterns in Eastern Djibouti (ca. 1200–500 BP)

[392] SYMPOSIUM ■ ADVANCES IN OBSIDIAN STUDIES OF THE OLD AND NEW WORLDS*(Sponsored by International Association for Obsidian Studies)***Room:** 23 Nambe**Time:** 8:00 AM–10:00 AM**Chairs:** Yuichi Nakazawa and Phyllis Johnson**Participants:**

- 8:00 Alexander Rogers and Christopher Stevenson—Paleotemperature Adjustments for Obsidian Hydration Dating
- 8:15 Yuichi Nakazawa and Kyohei Sano—An Assessment of the Intrinsic Water Content to Understanding Obsidian Hydration: A Case Study of Paleolithic Obsidian from the Shirataki Region in Hokkaido, Japan
- 8:30 Max Seidita, Whittaker Schroder, Alejandra Roche Recinos, Charles Golden and

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- Andrew Scherer—Variation in Obsidian Source Consumption within the Kingdom of Piedras Negras
- 8:45 Jeffrey R. Ferguson—Assessing the Potential for ED-XRF in Archaeometric Studies: A Focus on Data Sharing and Bulk Chemical Analysis
- 9:00 Phyllis Johnson—Potential Applications for Agent-Based Models in Obsidian Studies
- 9:15 Masami Izuho and Jeffrey R. Ferguson—Temporal Changes in Obsidian Procurement Strategy during the Upper Paleolithic on Hokkaido
- 9:30 Clive Bonsall and Maria Gurova—Pitchstone in Prehistory: New Insights into the Mesolithic and Neolithic use of Pitchstone in Scotland
- 9:45 Robert H. Tykot—Discussant

[393] GENERAL SESSION ■ LANDSCAPES AND TERRITORIES: COMPARATIVE APPROACHES**Room:** 21 Jemez**Time:** 8:00 AM–10:00 AM**Chair:** Philip Mink**Participants:**

- 8:00 Elizabeth Scharf—Reducing Large Data Sets Using Granger Causality: A Paleoeological Example from the Columbia Plateau
- 8:15 Colin Ferriman—Surface Sites and Surface Pipes Results of the Dead Horse Lateral Pipeline Data Recovery Grand County, Utah
- 8:30 James Brown and Galen Miller-Atkins —Building Nearest Neighbor Models of Hunter-Gatherer Settlement Systems Using Four Case Studies for the Northwest Coast of North America
- 8:45 Philip Mink—Cooperation, Competition, or Taphonomy: Exploring Variegated Assemblages on Grand Canyon Formative Period Sites
- 9:00 Grace Ellis—Anthropogenic Landscapes of Amazonia: A Spatial Analysis of Landscape Modification and Settlement Organization at Macurany, Brazil
- 9:15 José López Mazz and Rocio López Cabral—The Presence of Groups of Amazonian Cultural Matrix in the La Plata River
- 9:30 Anna Browne Ribeiro—Amazonia as a Perpetual Elsewhere: The Possible and the Permissible in “Natural” Landscapes
- 9:45 Lucas Bond Reis and Lucas Bueno—Building Histories of Territory Formation: The Case of Southern Jê Expansion, Santa Catarina, Brazil

[394] GENERAL SESSION ■ RECENT ARCHAEOLOGICAL RESEARCH IN OAXACA**Room:** 29 Sandia**Time:** 8:00 AM–10:00 AM**Chair:** Jeffrey Brzezinski**Participants:**

- 8:00 Karleen Ronsairo, Jeffrey Blomster and Sarah Breault—Early Mixtec Urbanization at Etlatongo, Oaxaca, Mexico
- 8:15 Jeffrey Brzezinski, Vanessa Monson, Arthur Joyce and Sarah Barber—The Offerings of Cerro de la Virgen, Oaxaca, Mexico: Ontological Perspectives on a Unique Assemblage of Ritual Deposits
- 8:30 Julian Acuna—Exchange, Crafting, and Subsistence at Early Formative Period La Consentida
- 8:45 Cuauhtémoc Vidal-Guzmán, Victor Salazar Chavez and Jeffrey Blomster—Building Social Complexity: Differences in Bedrock Use at Early Formative Etlatongo in the Mixteca Alta of Oaxaca
- 9:00 Leslie Zubieta Calvert—Narratives in Clay and Pigment: Cultural Knowledge and Social Practices in the Sierra Mixe, Oaxaca

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- 9:15 Stephen Whittington—Spatial Analysis of an Ancient Mixtec Capital in Oaxaca
 9:30 Pascale Meehan, Arthur Joyce, Sarah Barber and Marc Levine—Early Postclassic Copper Objects from the Lower Rio Verde Valley, Oaxaca, Mexico
 9:45 Adam Sellen—La Sorpresa Hotel in Mitla, Oaxaca: Gateway to 150 Years of Mexican Archaeology

[395] GENERAL SESSION ■ GLOBAL PERSPECTIVES ON PUBLIC ARCHAEOLOGY: EDUCATION, OUTREACH, AND ENGAGEMENT

Room: 28 Santo Domingo

Time: 8:00 AM–10:00 AM

Chair: Brian Clark

Participants:

- 8:00 Vitória Estrela and Rosicler Silva—The Potential of Games, Gamefication, and Virtual Reality in Public Archaeology
 8:15 Vanessa Muros—Preservation, Education and Outreach: Conservation at the Corral Redondo Project
 8:30 Kathryn Maurer, Niall Brady, Samuel Connell, Daniel Cearley and Ana Lucia Gonzalez—The Castles in Communities Model: An Integrative Approach to a Field School, Research Project and Community Collaborative in Ireland
 8:45 Marcel Bartczak—Public Archeology in Poland on the Example of the Leading Archaeological Reserves
 9:00 Richard Perry—Public Archaeology as a Gateway towards a Revisionist History
 9:15 Teresa Raczek—Why Are You Here? What Did You Learn? Assessing Archaeology Outreach and Education in Fair and Museum Settings
 9:30 Lauren Bussiere—Answering Pseudoarchaeology from the Repository
 9:45 Brian Clark—Archaeology for the Incarcerated

[396] GENERAL SESSION ■ MORTUARY ANALYSIS IN THE AMERICAS

Room: 17 Apache

Time: 8:00 AM–10:00 AM

Chair: Michael Merrill

Participants:

- 8:00 Megan Harris—Bury Me with Beads
 8:15 Michael Merrill and Dwight Read—A Methodology for Comparing and Evaluating Seriation Algorithms Applied to Archaeological Data
 8:30 Robert Mallouf and Erika Blecha—Black Rock Mortuary Cairn: A Case Study of Archaeologist–Collector Collaboration
 8:45 Kerry Gonzalez, Joseph Blondino, Joanna Wilson-Green, Jazriel Cruz and Martin Levin—Primitive Dentistry from a Native American Burial in the Southern Chesapeake Region, Virginia
 9:00 Mirko De Tomassi—Maya Funerary Practices and Their Significance in Reproducing and Maintaining Social Status and Identity: Evidence from Copan, Honduras, and Palenque, Mexico
 9:15 Bradley Russell, Stanley Serafin, Eunice Uc Gonzalez and Carlos Peraza Lope—Underwater Investigations of Mass Burials in Two Cenotes at Mayapán, Yucatán, Mexico
 9:30 Jose Ochatoma Paravicino, Martha Cabrera Romero and Jose Antonio Ochatoma Cabrera—Memory and Resilience after the Collapse of the Wari Empire: Analysis from the Remains of Home and Funerary Contexts
 9:45 Bebel Ibarra Asencios—Ancestor Veneration or Funeral Practices? An Examination of Recuay Mortuary Variability in the Basin of Puccha (Ancash) between AD 200-900

[397] GENERAL SESSION ■ ARCHAEOOMETRY: CASE STUDIES FROM NORTH AMERICA

Room: 19 Isleta
Time: 8:00 AM–10:15 AM
Chair: Ian Scharlotta

Participants:

- 8:00 Melanie Beasley, Julie Lesnik and Angela Perri—Identifying Consumption of Putrefied Meat in the Archaeological Record from $\delta^{15}\text{N}$ Values
- 8:15 Michael Stites, Price Heiner and Bridget Roth—The Search for the Primary Source of Kings Canyon/La Poudre Pass Obsidian in Colorado
- 8:30 A. Dudley Gardner and William Gardner —Variability in the Cultural Assemblage During the Formative Period in the Upper Colorado River Drainage Basin
- 8:45 Linda Scott Cummings, R. A. Varney, Thomas W. Stafford Jr. and Robert Speakman—Dating Charred Food Crust: Offsets, Pretreatment, and Organic Compounds
- 9:00 Stephanie Abo—Chemical and Standardization Analysis Results on Fremont Snake Valley Black-on-gray Pottery
- 9:15 Laura Short—Deciphering Raman Analysis of Fire Cracked Rock
- 9:30 Ian Scharlotta, Christopher Ryan and Jack Meyer—Habitat-Specific Marine Reservoir Corrections along the Central California Coast: The Effects of Differential Upwelling
- 9:45 Kaitlin Brown and Linda Scott Cummings—Food Residue Analysis on Soapstone Cooking Vessels in the Chumash Homeland: Implications for Changing Foodway Patterns during the Mission Period across the Colonial Landscape
- 10:00 Laurie Burgess, William Billeck and Torben Rick—Mission Period Glass Beads from the Northern Channel Islands of California

[398] GENERAL SESSION ■ ANCIENT CUISINE: FOOD AND DIET IN THE ARCHAEOLOGICAL RECORD

Room: 60 Chaco
Time: 8:00 AM–10:15 AM
Chair: Thomas Wake

Participants:

- 8:00 Samantha Fulgham, Colin Grier and Audrey Rainey—What's It Alder About? Paleobotanical and Zooarchaeological Analysis of Feasting Remains from the DgRv-006 Village, Galiano Island, SW British Columbia
- 8:15 Sarah Sportman and Katharine Reinhart—Forest and Farm, River and Sea: Food and Diet at Three 17th-Century Sites in Connecticut
- 8:30 David Dove—Feasting and Shrine Formation at Mitchell Springs and Champagne Spring
- 8:45 Sarah Breault and Jeffrey Blomster—Feasting and Performativity at Late Formative Etlatongo
- 9:00 Harper Dine—Classic Maya Food Systems and the Sociality of Diet in the Usumacinta Region
- 9:15 Jessica Leonard, Hannah Plumer-Moodie, Thomas Guderjan and Colleen Hanratty—Dental Pathology and Paleodiet: Exploring Spatial and Temporal Variability of Ancient Maya Subsistence Practices in Northwestern Belize
- 9:30 Thomas Wake, Lana Martin and Tomas Mendizabal—Mortuary Feasting at Sitio Drago, Panama and Elsewhere in Lower Central America
- 9:45 Jennifer Chen, Randy Haas, Jelmer Eerkens and Bryna Hull—Meat and Potatoes: A Mixed 7,000-Year-Old-Diet

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- 10:00 Ellen Lofaro, Jorge Luis Soto Maguino, Jason Curtis and John Krigbaum—Diet, Identity and Status in Colonial Huamanga (Ayacucho), Peru

[399] GENERAL SESSION ■ ARCHAEOLOGY IN SOUTH ASIA AND THE LEVANT**Room:** 210 Tijeras**Time:** 8:00 AM–10:15 AM**Chair:** Mudit Trivedi**Participants:**

- 8:00 Mudit Trivedi—The Hazards of High Resolution? Social Change, Site Structure and New Chronometric Concerns from Indor, North India
- 8:15 Namita Sugandhi—Small-Scale Complexities: Tekkalakota and the Archaeology of the Southern Deccan
- 8:30 Mannat Johal—Timely Attributes: Rethinking Medieval Ceramics from South India
- 8:45 Mitchell Allen and William B. Trousdale — Timurid Period Rural Settlement in the Sar-o-Tar Desert, Afghanistan
- 9:00 Michael Bisson—Tool Fragments from the Late Lower Paleolithic of Tabun Cave, Israel
- 9:15 Edward Banning, Kevin Gibbs and Philip Hitchings—Wadi Quseiba and the Shellfish-Eaters? Searching for Late Neolithic Sites in Northern Jordan and Finding an Enigmatic Yarmoukian Site
- 9:30 Steven Rosen—The Tabular Scraper Trade: Complexities of a Prehistoric Pastoral Trade System
- 9:45 Andrea Creel—Ritual and Community on the Edge of Empire: Roadside Traditions in the Sinai
- 10:00 Fatemeh Ghaheri—Long-Term Climate Change: A Case Study on Climate Records from the Middle East in Relation to the Neo-Assyrian Empire Agriculture

[400] GENERAL SESSION ■ NEW TOOLS AND STRATEGIES FOR ADVANCING HERITAGE PRESERVATION**Room:** 20 Laguna**Time:** 8:00 AM–10:15 AM**Chair:** Sandra Gaskell**Participants:**

- 8:00 Kelli Barnes—Preservation or Perseveration: The Cost of Trying to Save Everything
- 8:15 Sandra Gaskell, Gaylen D. Lee, John Pryor and William Leonard—Indigenous Archaeological Involvement in Front of Suppression Reduces Mitigation
- 8:30 Bryon Schroeder—Context-Free Archaeology: Private Collections, Data Quality Assessment, and Achieving Meaningful Research at Heavily Looted Sheltered Sites—A Case Study from West Texas
- 8:45 Larry Baker—Site Stewards in Northwest New Mexico: Protecting Our Cultural Heritage via a Community-Supported Program
- 9:00 Autumn Cool and Rebecca Schwendler—Civilian Conservation Corps Archaeology and Preservation Near Castle Rock, Colorado
- 9:15 Stance Hurst, Eileen Johnson and Doug Cunningham—Constructing Heritage along the Eastern Escarpment of the Southern High Plains Northwest Texas
- 9:30 Ashley Huntley—Assessing Our Impact: An Examination of the Role of Historic Preservation in the Gentrification of Urban Centers in the Midwestern United States
- 9:45 W. Kevin Pape—Electrical Generation and Cultural Heritage Stewardship on the

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- 10:00 Banks of the Ohio River: An NHPA Success Story!
Gemma-Jayne Hudgell, Ellen Cowie and Robert Bartone—A Well-Travelled Route: 7,500 Years of Occupation along the Missisquoi River, Northwestern Vermont—The Vermont Agency of Transportation Route 78 Project

[401] GENERAL SESSION ■ ARCHAEOLOGY IN PARTNERSHIP: COMMUNITIES AND COLLABORATION

Room: 31 Santa Ana

Time: 8:00 AM–10:15 AM

Chair: Hollis Miller

Participants:

- 8:00 Hollis Miller—Sugpiaq/Alutiiq History and Community Archaeology in Old Harbor, Kodiak Island, Alaska
- 8:15 Jessica Curteman, Cheryl Pouley, Daniel Snyder, Chris Bailey and Briece Edwards—When Good Projects Go Well: A Partnered Project in Southern Oregon between the Confederated Tribes of Grand Ronde, a Private Land Owner, and Associated Federal Agencies
- 8:30 Nikki Mills—Archaeologist-Collector Collaborations in the San Luis Valley: A Case Study
- 8:45 Eva Larson—Native American Indian Women Working in California Archaeology
- 9:00 Michael Newland, Alex DeGeorgey, Lynne Englebert and Adela Morris—Finding Solace: Recovering Human Cremations from the Ashes of a Firestorm
- 9:15 Danny Sosa Aguilar and Chandler Fitzsimons—Collaboration, Accountability, and Performativity: Defining Collaboration in Northern New Mexico Archaeology
- 9:30 Elizabeth Minor—Digital Engagement Strategies Using Location-Based Gaming in Community-Based Participatory Archaeology
- 9:45 Emily Mierswa and Meghan Howey —Community Archaeology in Practice: Great Bay Archaeological Survey
- 10:00 Sarah Kurnick—Community Archaeology and the Production of Space at Punta Laguna, Yucatan, Mexico

[402] GENERAL SESSION ■ ZOOARCHAEOLOGY: CASE STUDIES FROM AROUND THE WORLD

Room: 15 Zuni

Time: 8:00 AM–10:15 AM

Chair: Stephen Merritt

Participants:

- 8:00 William Belcher—Comparison of Fish Habit and Exploitation—A Comparison of Two Third-Millennium BCE Sites in the Arabian Gulf Region
- 8:15 Hannah Keller and Jamie Hodgkins —A Tale of Three Substrates: Effects of Trampling on Ostrich Eggshell and Applicability to the Archaeological Record
- 8:30 Kathryn Crater Gershtein, Reuven Yeshurun and Yossi Zaidner—Zooarchaeology and Taphonomy of Unit III in the Middle Paleolithic Site of Neshar Ramla
- 8:45 Miriam Belmaker and Ron Hull —The First Paleoecological Analysis Derived from a Small Vertebrate Assemblage from the Byzantine Galilee and the Implications for Settlement Patterns
- 9:00 Lisa Matisoo-Smith, Anna Gosling and David Burley—A Tale of Tongan Chickens
- 9:15 Jerome Reynard, Liezl Van Pletzen-Vos and Sarah Wurz—Large Mammal Fauna from Klasies River Main Site: Changing Environmental Conditions during the Late Pleistocene of South Africa

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- 9:30 Stephen Merritt—Cut Mark Size Does Not Change during Butchery: Implications for Reconstructing Tool Use and Carcass Processing
- 9:45 Mason Seymore, Reuven Yeshurun, Ruth Shahack-Gross and Dani Nadel—Shacks and Scraps: Understanding Middle Epipaleolithic Site Structure in the Southern Levant through Taphonomic Analysis of Faunal Refuse
- 10:00 Jennifer Everhart—Hunted Deer and Buried Foxes: Fauna from the Middle Epipaleolithic Site of 'Uyun al-Hammam

[403] GENERAL SESSION ■ THE PALEOLITHIC IN WESTERN EUROPE**Room:** 25 Navajo**Time:** 8:00 AM–10:30 AM**Chair:** Paul Thacker**Participants:**

- 8:00 Rachel Hopkins and Tom Higham—Testing the Danube-Corridor-Hypothesis—New Results from Chronometric Modelling of the Middle-Upper Palaeolithic Biocultural Shift
- 8:15 Paul Thacker—Discerning Paleolithic Places Rather Than Pleistocene Palimpsests: Olival Grande and the Early Upper Paleolithic in Central Portugal
- 8:30 Jayde Hirniak, Eugene Smith, Racheal Johnsen, Shelby Fitch and Minghua Ren—Using Cryptotephra in Archaeology: Precise Correlations and Improved Age Estimates
- 8:45 Nicolas Naudinot, Michel Le Goffic, Elena Man-Estier and Patrick Paillet—The Magdalenian-Azilian Transition: Contributions from the Rocher de l'Impératrice Rock-shelter (Brittany, France)
- 9:00 Lauren Christensen, Frédéric Surmely, Jay Franklin, Sandrine Costamagno and Maureen Hays—New Research at Enval: A Middle Magdalenian Site in the Massif Central of France
- 9:15 Jay Franklin, Jean-Philippe Rigaud, and Lauren Christensen—A Techno-morphological Analysis of Gravettian Stone Tools from Four Sites, Dordogne, France
- 9:30 Sheila Koons—The Middle to Upper Paleolithic Site of Abri des Merveilles in Southwestern France: An Assessment of the Integrity and Research Potential of an Historically-Excavated Museum Collection
- 9:45 Brandon Zinsious, Jonathan Haws, Michael Benedetti and Telmo Pereira—Site and Assemblage Integrity for Middle and Upper Paleolithic Levels at Lapa do Picareiro, Portugal
- 10:00 Lawrence Straus and Manuel Gonzalez-Morales—From the Mousterian to the Bronze Age: The El Miron Cave Project (Cantabria, Spain), 1996-2018
- 10:15 Peter Kakos—Explaining the “Venus Figurines” of the Upper Paleolithic: Macronutrients and the Effects of Endocrine Responses

[404] GENERAL SESSION ■ PALEOETHNOBOTANY: METHOD, THEORY, AND CASE STUDIES**Room:** 70 Tewa**Time:** 8:00 AM–10:30 AM**Chair:** C. Margaret Scarry**Participants:**

- 8:00 Corey Hoover and Kylie Quave—Paleoethnobotanical Remains from Yunkaray (Cusco, Peru)
- 8:15 Danielle Young—Starch and Phytolith Analyses from Ceramic Residues in the Llanos de Mojos
- 8:30 Myrtle Shock, Mariana Franco Cassino, Laura Pereira Furquim, Francini Medeiros da Silva and Manoel Fabiano Silva Santos—From the Early Holocene

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- to Amazonian Forest Groves
- 8:45 Jose Garay-Vazquez, Dorian Fuller and Jose Oliver—The History of Archaeobotanical Research on the Island of Puerto Rico and Its Relationship with Notions of Poor Preservation of Macro-botanical Remains on Archaeological Contexts
- 9:00 C. Margaret Scarry, Margaret Mook and Donald Haggis—Agricultural Wealth, Food Storage, and Commensal Politics at Azoria an Archaic City on Crete
- 9:15 Ann Eberwein—Bread, Apples, and Cereal Grains: Analyzing a Collection of Carbonized Food from Robenhausen, Switzerland
- 9:30 Susan Allen and Martha Wendel—Landscape and Plant Use in High Albania: New Results from the Late Neolithic to Iron Age at Gajtan and Zagorës
- 9:45 Ryan Szymanski—Paleoecological and Archaeological Evidence for Iron Age Economic and Ecological Transformation in the Highlands of Western Kenya
- 10:00 Madelynn Von Baeyer—Seeds of Complexity: An Archaeobotanical Study of Incipient Social Complexity at Late Chalcolithic Çadır Höyük, Turkey
- 10:15 Lucas Proctor, Alexia Smith and Gil Stein—Fanning the Flames of Complexity: Archaeobotanical Approaches to the Study of Fuel Economies at Late Chalcolithic Sites in Northern Mesopotamia

[405] GENERAL SESSION ■ MESOAMERICAN GULF COAST ARCHAEOLOGY**Room:** 22 San Juan**Time:** 8:00 AM–10:30 AM**Chair:** Arturo Pascual Soto**Participants:**

- 8:00 María Andrea Celis Ng Teajan and José Ignacio Hernández Juan —Tiempo y espacio a través de la cerámica: la ocupación Olmeca de Antonio Plaza, Veracruz
- 8:15 Virginia Arieta Baizabal—"El arroyo suena raro": Las otras esculturas Olmecas de Antonio Plaza, Veracruz
- 8:30 Hirokazu Kotegawa—Un centro secundario Olmeca: Estero Rabón
- 8:45 Alfredo Saucedo and Carl Wendt —Some Temporal Markers in Olmec Pottery from Los Soldados
- 9:00 Brendan Stanley and Tara D. Smith—Jaguar Serpents, Smoke, and Ropes: Iconographic Analysis of Olmec Thrones incl. La Venta Altar IV and Oxtotitlan Mural I
- 9:15 Alberto Ortiz Brito—Reutilization of Olmec Monuments during the Classic Period in the Gulf Coast of México
- 9:30 Cherra Wyllie—Classic Veracruz Tuxtla Polychrome Ceramics
- 9:45 Bradley Ensor—The Late Classic Islas de los Cerros Landscape: A Tapestry of Kinship, Identities, Histories, and Ancestries
- 10:00 Arturo Pascual Soto—El universo de los guerreros: Tumbas y gobernantes en El Tajín del período Epiclásico
- 10:15 Sam Holley-Kline—The Beginnings of Archaeological Administration and Labor at El Tajín, Veracruz, 1900-1938

[406] GENERAL SESSION ■ RECENT RESEARCH IN HIGHLAND CENTRAL MEXICO**Room:** 230 Pecos**Time:** 8:00 AM–10:30 AM**Chair:** Tatsuya Murakami**Participants:**

- 8:00 Alexander Jurado and Tatsuya Murakami—Social Status and Ritual Practice at a Middle Formative Residential Complex at Tlalancaleca, Puebla

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- 8:15 Tatsuya Murakami, Diego Matadamas Gomora, Shigeru Kabata and Julieta Lopez—Early Urbanism and Intermediate-Scale Social Interaction in Formative Central Mexico: Ritual Practice and Socio-spatial Organization at Tlalancaleca, Puebla
- 8:30 Stephanie Lozano—New Insights into Teotihuacan's Year Sign Headdress and Its Olmec Origins
- 8:45 Meghan Cartier—The Sighing, Bleeding, Feasting Soul: Speech Scrolls in Mesoamerica
- 9:00 Tom Froese—From Collective Government to Communal Inebriation in Ancient Teotihuacan, Central Mexico
- 9:15 Dean Blumenfeld—The Flaked Stone Economy of Los Mogotes: Access and Exploitation during the Epiclassic Period
- 9:30 Tanya Carino Anaya, Juan Carlos Campos-Varela, Irán Rivera, Cuauhtémoc Domínguez Pérez and Javier Martínez González—Not Only an Archaeological Rescue: Canal de Ohtenco, Case Study of Iztacalco's Agricultural System
- 9:45 Katherine McCarthy—An Empire of Water and Stone: Aztec Kingship and Sacred Landscapes
- 10:00 Aaron Ott—Aztec Twin-Temple Pyramids as Evidence for State Religion through Shared Architecture and Symbolology
- 10:15 Maria Martinez and Michael Brand—Reflecting on the History and Use of Rectangular Obsidian "Mirrors" from Central Mexico: Reinterpreting Old Museum Collections

[407] GENERAL SESSION ■ ADVANCES IN MESOAMERICAN ARCHAEOLOGY**Room:** 32 Tesuque**Time:** 8:00 AM–10:30 AM**Chair:** Nadya Prociuk**Participants:**

- 8:00 Nadya Prociuk—By the Sea Shore: Examining the Prehistoric Shell Industry of the Rio Grande Delta
- 8:15 Kaitlin Ahern—Recipe and Quality of Lime Plaster Samples from Plaza One, Teotihuacan
- 8:30 Alejandra Alonso and Gregory Smith —A Preliminary Investigation into the Political Economy of Santa Cruz, an Associated Community with Ichmul de Morley, Yucatan, Mexico
- 8:45 Carly Pope—A Ceramic Analysis of Coconut Walk Unslipped and Its Implications for Late Classic Maya Salt Production in Coastal Belize
- 9:00 Daniel Pierce—An Empirical Analysis of Highland-Lowland Interaction in the Aztatlán Tradition
- 9:15 Jeff Bryant—Tribute from the Underworld: The Historical Ecology of the Maya Postclassic Fish Trade with Otoliths from Mayapán and Caye Coco
- 9:30 Jennifer Meanwell, Linda Seymour, Elizabeth Paris and Carlos Peraza Lope—Links between Maya Green and Maya Blue at Mayapán, Yucatan, Mexico
- 9:45 Carmen Sanchez Fortoul—Characterizing Pottery Fabrics Using Digital Image Analysis: An Investigation of the Socio-economy of the Late Postclassic Maya of Northern Yucatan
- 10:00 Eos López, Mauricio Obregón, Flavio Silva and Luis Barba—Residuos químicos en el patio de una unidad habitacional del Clásico Tardío en Chinikihá, Chiapas
- 10:15 Karime Castillo—Colonial Glass Production in Mexico City: A Study on Technology Transfer and Adaptation

[408] SYMPOSIUM ■ GEOSPATIAL STUDIES IN THE ARCHAEOLOGY OF OCEANIA

Room: 120 Dona Ana
Time: 8:00 AM–10:45 AM
Chair: Michael W. Graves

Participants:

- 8:00 Julie Field, John Dudgeon, Christopher Roos, Amy S. Commendador and Rebecca Hazard—Push and Pull, Part II: Modeling the Inland Exploration and Settlement of Fiji
- 8:15 Kyle Riordan and Julie Field—Ancestral Pathways of Fiji: Using GIS to Analyze Landscapes of Movement and Lineages within the Sigatoka River Valley
- 8:30 Stephen West, Michael W. Graves and Katherine Peck—Surveyed with LiDAR: Identifying Lo'i Pondfields in Windward Kohala, Hawai'i Island
- 8:45 Jared Koller and Stephen Acabado—Expansion Modeling and Dating the Ifugao Agricultural Terrace Systems Through Volumetric Analysis and Energetic Modeling
- 9:00 Katherine Peck and Michael W. Graves—Soil and Water Management in the South Kohala Field System, Hawai'i Island
- 9:15 Matthew Prebble, Seth Quintus and Ethan Cochrane—Applications of Geospatial Technologies in Known Archaeological Landscapes: Re-examining the Archaeological Settlement Pattern of Falefa Valley
- 9:30 Craig Shapiro—Navigating Public LiDAR in Samoa
- 9:45 Britton Shepardson—Making Geospatial Data FREELY Accessible: Potential for Crowd-sourcing, Site-monitoring, and Multimedia Data Archiving
- 10:00 Adam Johnson, Mark McCoy, Jesse Casana, Austin Hill and Thegn Ladefoged—Expanding Our Remote Sensing Toolkit: The First Application of UAV Aerial Thermography in the Hawaiian Islands
- 10:15 John Dudgeon, Rebecca Hazard, Julie Field, Christopher Roos and Amy S. Commendador—Three-Dimensional Spatial Evidence of the Development of Agriculture in the Sigatoka River System, Viti Levu, Fiji
- 10:30 Questions and Answers

[409] GENERAL SESSION ■ ARCHAEOLOGICAL APPLICATIONS OF REMOTE SENSING

Room: 16 Acoma
Time: 8:00 AM–10:45 AM
Chair: Kenichiro Tsukamoto

Participants:

- 8:00 Timothy Canaday, Bryan Hanks, Marc Bermann and Rosemary Capo—Spatial Identification and Characterization of Native American Pithouse Villages along the Salmon River and Its Tributaries Utilizing Multi-Method Geophysical and Geochemical Survey
- 8:15 Samuel Levin, May Yuan and Michael Adler—Archaeological Prospection Using Aerial Thermography and Quantitative Image Processing Methods
- 8:30 Douglas Bamforth and Kristen Carlson —Documenting the Archaeology of Ethnogenesis at the Lynch Site (25BD1), Nebraska
- 8:45 Kyle Urquhart and Wesley Stoner—Automated Detection of Gridded Canal Networks in Veracruz, Mexico
- 9:00 Andrés Mejía Ramón—A Demography of Materials: High Resolution Multispectral Photogrammetry in Theory and Practice
- 9:15 Richard Paine and Richard Hansen —Hidden Structures, Ground Penetrating RADAR, and the Demography of El Mirador
- 9:30 Terance Winemiller, J.J. Ortiz-Aguilú, María Isabel Silva-Iturralde and Jaime Andrés Velázquez-Mora—Using LiDAR and Environmental Suitability Models to Predict Probable Locations of Ancient Settlements in Manabí, Ecuador

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- 9:45 Jeremy McFarland and Marisol Cortes-Rincon—Mapping the Maya Hinterlands: A LiDAR-Derived Approach to Identify Small-Scale Features in Northwestern Belize
- 10:00 Kenichiro Tsukamoto, Javier López Camacho, Luz Evelia Campaña Valenzuela and Xanti Ceballos Pesina—Archaeological Applications of Airborne LiDAR at the Maya Archaeological Site of El Palmar, Mexico
- 10:15 Randy Haas, Luis Flores, Bryna Hull, Nathaniel Kitchel and Patricia McNeill—Preliminary Investigations of Archaeological Vicuña Drives on the Andean Altiplano
- 10:30 Jon Carroll—A Multispectral Survey of the Historical Landscape of Chateau de Balleroy, Normandy, France

[410] GENERAL SESSION ■ NEW DISCOVERIES IN THE ANCIENT MAYA LOWLANDS: PEOPLE AND PLACES**Room:** 27 Picuris**Time:** 8:00 AM–10:45 AM**Chair:** Tatiana Zelenetskaya Young**Participants:**

- 8:00 Kathryn Reese-Taylor, Debra S. Walker, Verónica Vázquez López, F. C. Atasta Flores Esquivel and Armando Anaya Hernández —Evidence for Early Sedentary Occupation in the Yaxnohcah Region, Campeche, Mexico
- 8:15 Damien Marken, Keith Eppich, Olivia Navarro-Farr and Juan Carlos Pérez — City of the Centipede, Part 1: Context, Boundaries, Community Organization, and Land-Use at El Perú-Waka', Petén, Guatemala
- 8:30 Keith Eppich, Damien Marken, Olivia Navarro-Farr and Juan Carlos Pérez—City of the Centipede, Part 2: Urban Development and Construction Chronologies at El Perú-Waka', Petén, Guatemala
- 8:45 Arianna Campiani, Rodrigo Liendo and Nicola Lercari—The Temple of the Inscriptions at Palenque: Improving Architectural Analysis, Conservation Assessment, and Public Dissemination via Terrestrial LiDAR and 3-D Mapping
- 9:00 Tatiana Zelenetskaya Young—Where Does One Site Begin and Another End: Defining Site Boundaries in the Coahuah Region, Q. Roo
- 9:15 Eric Fries—Distributed Site Cores and Low-Density Urban Settlement at the Site of Zibal, Belize
- 9:30 Rhonda Quinn, Volney Friedrich, Francisco Estrada-Belli, Alexandre Tokovinine and Linda Godfrey—Lead Isotopic Evidence for Foreign-Born Burials in the Classic Maya City of Holmul, Petén, Guatemala
- 9:45 L. Renee Hendricks—Bundles and Bloodletting: An Analysis of Women's Ceremonial Roles in Classic Maya Art
- 10:00 Kaylee Spencer and Maline Werness-Rude—Head on a Platter: A Reexamination of a Cache Vessel Lid
- 10:15 Johann Begel and Julien Hiquet—Skull Offerings: The Koxol Offertory Assemblage in the Maya Area
- 10:30 Annabeth Headrick—A Royal Portrait at Chichen Itza? Central Mexican Emblems of Authority in the Northern Maya Region

[411] GENERAL SESSION ■ ADVANCES IN CONSERVATION AND CURATION**Room:** 65 Hopi**Time:** 8:00 AM –10:45 AM**Chair:** Marieka Arksey**Participants:**

- 8:00 Marieka Arksey, Greg Pierce and Paddington Hodza—WyoARCH: An Update

- on Digital Developments to Improve Professional and Public Interaction with Federal Repositories
- 8:15 Scott Nicolay—Cold Cases and Forgotten Caves: Reconstructing the Provenience of Unique Artifacts from the Greater Southwest
- 8:30 Kristine Clark and Tia Alquist—From Storage Boxes to Research Options: Cataloging Collections at ASU's Research Lab in Teotihuacan, Mexico
- 8:45 Angelyn Bass and Heather Hurst—The Afterlife of the Discovery of a Lifetime: Preservation of the Maya Murals of San Bartolo, Guatemala
- 9:00 Lisa DeLance—Multi-Sited Field Curation Methods: The Belize Valley Archaeological Reconnaissance Digital Archive Project
- 9:15 Alanna Radlo-Dzur—Greater Nicoya Metates and the Art Market: A Case Study
- 9:30 Roberto Lunagómez Reyes—Jomon y Olmeca: Colaboración museográfica entre Japón y México
- 9:45 Rebekah Mills—Conserving a Castle: The Connection between Archeology and Preservation in Making History Accessible
- 10:00 Justin Reamer and Kyle Olson—Combating the Curation Crisis Through Dissertation Research: An Argument for Disciplinary Valorization and Financial Support of Legacy Collection Rehabilitation
- 10:15 Jennifer Rogerson Jennings—The Ontological Approach: Applying Social Theory to Physically Manifested Culture
- 10:30 Glenn Farris—Transforming Orphan Archaeological Collections to Student Theses

[412] SYMPOSIUM ■ RECONSTRUCTING THE POLITICAL ORGANIZATION OF PRE-COLUMBIAN NICARAGUA

Room: 220 Ruidoso

Time: 8:00 AM–11:00 AM

Chair: Jason Paling

Participants:

- 8:00 William Harvey, Sandra Nogué, Nathan Stansell and Kathy Willis—The Apparent Resilience of the Dry Tropical Forests of the Nicaraguan Region of the Central American Dry Corridor to Extreme Variations in Climate over the Last c.1200 Years
- 8:15 Irene Torreggiani, Benjamin Acevedo Peralta, Juan Aguilar, Deyvis Oporta Fonseca and Bastiaan van Dalen—Pre-Columbian Adaptation to Fluvial Environments, Chontales, Central Nicaragua: 2018 PRISMA Results
- 8:30 Lucy Gill and Kaz van Dijk—Preliminary Results of Archaeological Survey in the Zapatera Archipelago, Granada, Nicaragua
- 8:45 Natalia Donner and Alexander Geurds—Just a Matter of Time: Preliminary Ceramic Chronology Building in Central Nicaragua
- 9:00 Shaelyn Rice, Geoffrey McCafferty and Sharisse McCafferty—Structurally Speaking: Architecture of El Rayo and the Greater Nicoya Region
- 9:15 Sharisse McCafferty and Geoffrey McCafferty—Religious Practices of Pre-Columbian Pacific Nicaragua
- 9:30 Justin Lowry, Skelly Skolnick and Adam Benfer—Mapping of Ancient Managua, Nicaragua using GIS
- 9:45 Paul Amaroli—New Views on the Ancient City of Cihuatán
- 10:00 Marie Kolbenstetter—Politics along the Rivers: An Example from the Gulf of Fonseca, Honduras
- 10:15 Geoffrey McCafferty—Discussant
- 10:30 Alexander Geurds—Discussant
- 10:45 Questions and Answers

Sunday Morning, April 14, 2019

[413] SYMPOSIUM ■ RECENT RESEARCH AT JORNADA MOGOLLON SITES IN SOUTH-CENTRAL NEW MEXICO**Room:** 240 La Cienega**Time:** 8:00 AM–11:00 AM**Chair:** Alexander Kurota**Participants:**

- 8:00 Alexander Kurota, Evan Sternberg and Robert Dello-Russo—Recent Research at El Paso Phase Jornada Mogollon Pueblos in Southern Tularosa Basin, New Mexico
- 8:15 Lora Jackson Legare and David Greenwald—Implications of Socio-economic Organization Based on Architectural Associations and Modified Sherds from Ricochet Village, White Sands Missile Range, New Mexico
- 8:30 Thatcher Rogers and Alexander Kurota—Possible Evidence for Mimbres Integration into Jornada Mogollon Villages: Introducing the Eastern Mimbres San Andres Aspect in South-Central New Mexico
- 8:45 Mary Brown and Alexander Kurota—Limonite as Evidence for Pottery Manufacture at Jornada Mogollon Sites
- 9:00 Evan Sternberg, Alexander Kurota and Virgil Lueth—Utilization of Quartz Crystal Lithics During the El Paso Phase Jornada Mogollon
- 9:15 Questions and Answers
- 9:30 Alyson Thibodeau, Amanda Kale, Alexander Kurota, Timothy Maxwell and Rafael Cruz Antillón—The Distribution and Provenance of Turquoise from Southern New Mexico, USA and Northern Chihuahua, Mexico
- 9:45 Christopher Adams—Prehistoric Copper Artifacts Found in the White Sands Missile Range
- 10:00 Stanley Berryman, Judy Berryman and William Walker—The Landscapes of the Cottonwood Springs Pueblo, Southern New Mexico
- 10:15 Evan Kay and Alexander Kurota—Favorite Things: An Overview of Ornaments Used by the Jornada Mogollon in the Tularosa Basin, New Mexico
- 10:30 Kristin Corl—Community Identity in the Jornada: Untangling Patterns of Aggregation and Abandonment at Cottonwood Spring Pueblo (LA 175), an El Paso Phase Village
- 10:45 Karl Laumbach—Discussant

[414] GENERAL SESSION ■ ARCHAEOLOGICAL PERSPECTIVES ON COLONIALISM AND COLONIZATION: NORTH AMERICA**Room:** 280 Ballroom A**Time:** 8:00 AM–11:00 AM**Chair:** Adam Brinkman**Participants:**

- 8:00 Katherine Brewer and Michelle Pigott—A Comparative Analysis of the Reactions of Native Groups to Spanish Colonization
- 8:15 Amélie Allard—"The South Traders Carry All Before them": Colonialism, Waterways and Relationships in Ontario's Fur Trade
- 8:30 Klinton Burgio-Ericson—Unpacking the Dishes: The Agency of (mis)Translation in the Hybrid Ceramics of Seventeenth-Century New Mexico
- 8:45 Edward Fleming—Saint Croix Oneota and 14th Century Migration into the Saint Croix Valley of Minnesota and Wisconsin
- 9:00 Anya Gruber—Palynological Investigations of 17th Century Spanish Colonialism and Ecological Change at LA 20,000, New Mexico
- 9:15 Adam Brinkman—Served on a Pueblo Soup Plate: Food Preparation, Serving, and Identity in Early Colonial New Mexico
- 9:30 Kat Slocum—The Forest through the Trees: Using Vivifacts to Analyze How

- Native American Landscapes Shaped Colonial Encounter
- 9:45 Joseph Bomberger—Seneca Pigeon Hunting on the Allegheny National Forest
- 10:00 Kathleen Bragdon—The Materiality of Authority: 17th Century Native Leadership in Colonial New England through the Lens of Value Theory
- 10:15 Siobhan Hart—The Invisible Whiteness at New England's Native Heritage Sites
- 10:30 Edmond Boudreaux, Brad Lieb and Stephen Harris—Native Communities after Contact in the Blackland Prairie of Northeast Mississippi
- 10:45 Mary Ibarrola—Purposeful Unpatterning: Investigating Maroon Site Distribution In Colonial Florida

[415] SYMPOSIUM ■ DO GOOD THINGS COME IN SMALL PACKAGES? HUMAN BEHAVIORAL ECOLOGY AND SMALL GAME EXPLOITATION

Room: 140 Aztec

Time: 8:00 AM–11:15 AM

Chairs: Tiina Manne and Britt Starkovich

Participants:

- 8:00 Jamie Clark—Can HBE Help Explain Variation in the Presence of Blue Duiker (*Philantomba monticola*) throughout the Middle Stone Age at Sibudu Cave (South Africa)?
- 8:15 Aaron Armstrong—Deviant or Normal? Assessing Anomalies in Middle Stone Age Small Prey Exploitation
- 8:30 Lisa Janz—Why Choose Small Packages When There Are So Many Big Packages Around?
- 8:45 Tiina Manne—Risky Business? Prey Choice in Pleistocene and Holocene Northern Australia
- 9:00 Jonathan Dombrosky—Why Pursue Fish in Small Quantities? The Case of Ancestral Puebloan Fishing in the PIV Middle Rio Grande
- 9:15 Tanya Peres and Aaron Deter-Wolf—Making Archaic Snaileries out of Shell Heaps: Human Behaviors and Ecological Niches
- 9:30 Questions and Answers
- 9:45 Reuven Yeshurun and Catherine F. West—Foxes and Humans at the Late Holocene Uyak Site, Kodiak, Alaska
- 10:00 Britt Starkovich—Small Carnivore Use in the Upper Paleolithic and Mesolithic of Kephalaria Cave (Peloponnese, Greece): Opportunistic or Optimal?
- 10:15 Eugene Morin, Jacqueline Meier, Khalid El Guennouni, Anne-Marie Moigne and Loic Lebreton—Dietary Change during the Middle and Late Pleistocene in the Northwestern Mediterranean: New Insights from the Analysis of Rabbit Assemblages
- 10:30 Matthew Rowe, Kassi Bailey and E. Charles Adams—The Curious Case of Bunnies: Human Behavioral Ecology Perspectives on Fauna from Homol'ovi I, Room 733
- 10:45 Karen Lupo and Dave Schmitt—The Edible and Incredible Hare
- 11:00 Emily Lena Jones—Discussant

[416] GENERAL SESSION ■ ARCHAEOLOGY IN EAST ASIA

Room: 10 Anasazi

Time: 8:00 AM–11:15 AM

Chair: J. Christopher Gillam

Participants:

- 8:00 Shijia Zhan—Marxism in Chinese Archaeology
- 8:15 Kaoru Akoshima—Foreseeable Tools: Lithic Use-Wear and Technological Organizations in Evolutionary Perspectives

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- 8:30 Zhe Dong—Assemblages of Stone Artifacts in the Region of Shuiyang River, South China: LCTs and Model 2
- 8:45 J. Christopher Gillam, Nicolas Zwyns, Masami Izuhō, Biambaa Gunchinsuren and Guunii Lkhundev—Upper Paleolithic Cultural Landscapes of the Selenge Tributaries, Northern Mongolia
- 9:00 Brittany Bingham, Loukas Barton and Brian M. Kemp—Genetic Species Identification of Large Birds from the Dadiwan Neolithic Site in Northern China
- 9:15 Yan Liu and Xingcan Chen—The Sense of Order: Contextual Analysis of the Habitus and Social Spaces in Baiyinchanghan Neolithic Site, Northeast China
- 9:30 Weiyu Ran—Households in Middle Neolithic Northeastern China: A Study on Shangchaoyanggou Site Applying An Intensive Collection Method
- 9:45 Weiya Li, Wanli Lan, Yuzhang Yang, Christina Tsoraki and Annelou Van Gijn—Dry-Grinding or Wet-Grinding? Use-Wear Reveals the Grinding Technique Used for Cereal Processing in Early Neolithic Central China
- 10:00 Huifa Yan—Funerary Transitions in the Chu State during the Warring States Period (480-221 BC)
- 10:15 Fumie Iizuka, Pamela Vandiver, Kazuki Morisaki, Masami Izuhō and Mark Aldenderfer—Ceramic, Lithic, and Settlement Variability of the Incipient Jomon Sites on Tanegashima Island, Japan
- 10:30 Marcella Festa—Understanding Early Societies and Investigating Early Interactions: Origin, Significance and Transmission of the Bronze Plaques from the Tianshan Beilu Cemetery, Eastern Xinjiang
- 10:45 Joseph Ryan—How Was Iron Weaponry Obtained by Local Elite during Japan's Kofun Period?
- 11:00 Jing Wu—New Discovery of a Special Site of Liao and Jin Dynasties (907-1234 A.D.) in Jilin Province at Northeast China

[417] SYMPOSIUM ■ CHARRED ORGANIC MATTER IN THE ARCHAEOLOGICAL SEDIMENTARY RECORD**Room:** 215 San Miguel**Time:** 8:00 AM–11:30 AM**Chair:** Carolina Mallol**Participants:**

- 8:00 Tammy Buonasera, Antonio V. Herrera-Herrera and Carolina Mallol—Sedimentary, Molecular, and Isotopic Characteristics of Bone-Fueled Hearths
- 8:15 Antonio V. Herrera-Herrera, Caterina R. de Vera and Carolina Mallol—Development of a Quick, Easy, Cheap, Effective, Rugged, and Safe (QuEChERS) Method for the Analysis of Lipid Biomarkers in Archaeological Sedimentary Deposits
- 8:30 Margarita Jambrina-Enríquez, Antonio V. Herrera-Herrera, Lucia Leierer, Gilbert Tostevin and Carolina Mallol—Molecular and Compound-Specific Stable Isotope Analysis of FAMES on Charred Plant Tissues: A Comparative Approach of Experimental and Archaeological Evidence
- 8:45 Tammy Buonasera—Discussant
- 9:00 Susan Mentzer, Bertrand Ligouis, Christoph Berthold, Christopher Miller and Sarah Wurz—Chemical Diagenesis of Charcoal and Charred Organic Material in South African Middle Stone Age Rockshelter Sites
- 9:15 Glenn Lambrecht, Inocencio Rafael Martín Benenzuela, Caterina R. de Vera and Carolina Mallol—Epifluorescence Microscopy of Experimentally Heated Animal Bones: Applications to Archaeological Micromorphology
- 9:30 Caterina R. de Vera, Antonio V. Herrera-Herrera, Carla Hernández-Gaspar, Acarelys M. Cabrera-Rodríguez and Carolina Mallol—Lipid Biomarkers Analysis in Cueva Pintada de Gáldar (Gran Canaria, Spain): A Study of Possibly Charred

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- Organic Sediments
- 9:45 Laura Hernández, Carolina Mallol, Matilde Aray, Margarita Jambrina-Enríquez and Antonio V. Herrera-Herrera—Roques de García Rockshelter: Preliminary Results from Micromorphological and Biomarker Analysis from a Combustion Structure
- 10:00 Natalia Egüez—Discussant
- 10:15 Mareike C. Stahlschmidt, Christopher Miller and Susan Mentzer—Charred Organic Matter in the Middle and Later Stone Record in South Africa: Exploring Multiple Anthropogenic Processes and Origins
- 10:30 Lucia Leierer, Antonio V. Herrera-Herrera, Margarita Jambrina-Enríquez, Tammy Buonasera and Carolina Mallol—Searching for Clues of Neanderthal Occupation and Mobility in Combustion Structure Residues: A Micromorphological and Biomarker Study of El Salt Unit Xb, Alcoy, Spain
- 10:45 Rory Connolly, Margarita Jambrina-Enríquez, Antonio V. Herrera-Herrera and Carolina Mallol—Molecular and Isotopic Analyses of Charred and Uncharred Sediments: Investigating Environmental Signatures at the Middle Palaeolithic Rock Shelter of Abric del Pastor (Alcoy, Spain)
- 11:00 Mareike C. Stahlschmidt—Discussant
- 11:15 Christopher Miller—Discussant

[418] SYMPOSIUM ■ PRIMARY SOURCES AND THE DESIGN OF RESEARCH PROJECTS**Room:** 130 Cimarron**Time:** 8:00 AM–11:30 AM**Chair:** Paola Schiappacasse**Participants:**

- 8:00 Julissa Collazo López—Material Culture Associated to Elite Females in 16th Century Puerto Rico
- 8:15 Nydia Ponton—The Use of Primary Sources in Plantation Archaeology: The Case Study of Hacienda La Esperanza
- 8:30 Isaac Torres Roldán, Gelenia Trinidad-Rivera, Coralisse Guadalupe De Jesús and Kelvin Blanco Peña—Foreigners Building a Future in Colonial San Juan, 1910
- 8:45 Virginia Rodríguez Domínguez—Trade, Professions and Education: Women in Puerta de Tierra, Puerto Rico, 1910
- 9:00 Coralisse Guadalupe De Jesús—Stitching Histories: Women in the Puerto Rican Clothing Industry between 1910-1930
- 9:15 Kelvin Blanco Peña—Commercializing for its People: "Pulperías" and "Ventorrillos" in the City of San Juan, 1910-1920
- 9:30 Laura Hernández—Commercial Activity, Trades and Professions in Barrio Ballajá, 1910 - 1940
- 9:45 Luis Quintana Ortiz—Analysis of Households in Calle de Isabel II, San Juan, Puerto Rico, 1910
- 10:00 Sofía Feliciano-Centeno—From Prison to Tourism: Historical Evolution and Population of Presidio de la Princesa
- 10:15 Zoè Vélez Álvarez—An Archaeological Approach to the Tobacco Industry in Puerto Rico
- 10:30 Karen Herrera Valencia—Narratives of the Recent Past: La Playa Slum as a Case Study
- 10:45 Paola Schiappacasse—Incorporating "Otherness" to Archaeological Research
- 11:00 L. Antonio Curet—Discussant
- 11:15 Questions and Answers

Sunday Morning, April 14, 2019

[419] SYMPOSIUM ■ CURRENT RESEARCH ON TURKEY (MELEAGRIS GALLOPAVO) DOMESTICATION, HUSBANDRY AND MANAGEMENT IN NORTH AMERICA AND BEYOND
Room: 235 Mesilla
Time: 8:00 AM–11:30 AM
Chair: Cyler Conrad

Participants:

- 8:00 Camilla Speller, Erin Thornton, Aurelie Manin and Kitty Emery—Exploring Turkey Exploitation and Management in the Maya Lowlands
- 8:15 Randee Fladeboe, Kitty Emery, Erin Thornton and Lori Phillips—Evaluating Turkey Wellness and Treatment in the Maya World
- 8:30 Caitlin Ainsworth—Paquimé in Perspective: A Meta-Analysis of Turkey Remains from the US Southwest and Northern Mexico
- 8:45 Brandon McIntosh and Andrew Duff—Investigating Turkey Husbandry on the Chacoan Frontier: Stable Isotope Results from Three Pueblo II Great House Communities in West Central New Mexico
- 9:00 Catherine Mendel, Deanna Grimstead, Joan Coltrain, Harlan McCaffery and Tiffany Rawlings—Persistence in Turkey Husbandry Practices in the Southwest and Four Corners Region: The Isotopic and Ethnohistorical Evidence
- 9:15 Cyler Conrad and Sandi Copeland—Ancestral Pueblo Turkey Management on the Pajarito Plateau (C.E. 1150-1600)
- 9:30 Rachel Burger, Ian Jorgeson and Michael Aiuvalasit—Raising a Rafter: Networks and Ancestral Pueblo Intensification of Turkey Husbandry in the Northern Rio Grande Region, New Mexico
- 9:45 William Lipe, Shannon Tushingam, Eric Blinman, Chuck LaRue and Laurie Webster—How Many Turkeys Did It Take to Make a Blanket?
- 10:00 Amanda Werlein, Joan Coltrain, Jeffrey R. Ferguson, Virginie Renson and Karen Schollmeyer—Determining Regional Hunting Patterns and Possible Domestication of Turkeys in the Mesa Verde area of the American Southwest
- 10:15 Daniel Peart, Deanna Grimstead and Catherine Mendel—There and Back Again: A Foragers-Farmers Model of Turkey Domestication (Part I)
- 10:30 Blythe Morrison—Examining Turkey Husbandry in the Northern Southwest Using Legacy Museum Collections
- 10:45 Mary Faith Flores, Brian M. Kemp and Marc Levine—Were Turkeys Domesticated by Prehistoric Farmers in Oklahoma?
- 11:00 Bruce Manzano, David Pollack, Gwynn Henderson, Andrea Erhardt and Jordon Munizzi—Fox Farm, a Large Fort Ancient Village in Mason County, Kentucky: Evidence of Turkey (*Meleagris gallopavo*) Management?
- 11:15 Aurelie Manin, Camilla Speller and Michelle Alexander—From North America to Europe: Preliminary Biomolecular Results Regarding the Transatlantic History of the Turkey

[420] SYMPOSIUM ■ ARCHAEOLOGICAL RESEARCH IN MONTEZUMA CANYON, SAN JUAN COUNTY, UTAH
Room: 275 Ballroom B
Time: 8:00 AM–11:45 AM
Chairs: Deanne Matheny and Glenna Nielsen-Grimm

Participants:

- 8:00 Ray Matheny, Winston Hurst and Joel Janetski—An Introduction to the Archaeology of Montezuma Canyon, San Juan County, Utah
- 8:15 Wayne Howell and Eric Force—The Late Holocene Geomorphic History of Montezuma Canyon and the Puebloan Agricultural Landscape
- 8:30 Glenna Nielsen-Grimm and Diana Christensen Hawks—The Basketmaker Component of Cave Canyon Village, Montezuma Canyon, San Juan County,

- Utah
- 8:45 Diana Christensen Hawks and Craig Harmon—Re-examination of the 1975 – 1977 Excavations of the Pueblo I-II Components of Cave Canyon Village, Montezuma Canyon, Utah
- 9:00 Donald Miller—Three Kiva Pueblo Revisited
- 9:15 Deanne Matheny, Winston Hurst, Ray Matheny and Glenna Nielsen-Grimm—Montezuma Village Revisited
- 9:30 Joel Janetski and Charmaine Thompson—Puebloan Patterns in Montezuma Canyon: Insights from the Nancy Patterson Ruin
- 9:45 David Yoder, James Allison, Scott Ure and Haylie Ferguson—Coal Bed Village: Test Excavations of a Major Ancestral Pueblo Site in Southeast Utah
- 10:00 Kenneth Wintch, Deanne Matheny and Ray Matheny—Surveying Montezuma Canyon
- 10:15 Charmaine Thompson—Ceramic from the Early Components at Nancy Patterson Village
- 10:30 Haylie Ferguson and Scott Ure—Low Altitude Aerial Photography in Montezuma Canyon
- 10:45 Scott Ure—Lasers and Pixels: Using Terrestrial LiDAR and Photogrammetry to Record Rock Art at the Polychrome Site in Montezuma Canyon
- 11:00 Richard E. Terry, Glenna Nielsen-Grimm, Deanne Matheny and Ray Matheny—Soil Chemical Traces of Ancient Human Activities at Montezuma Village, UT
- 11:15 Steven Di Naso, David Dove, Winston Hurst and William Lucius—San Juan Redware Economy: Tracking the Pottery of Montezuma Canyon to the Great Sage Plain
- 11:30 Fumi Arakawa—Discussant

[421] SYMPOSIUM ■ CONTESTED LANDSCAPES: THE ARCHAEOLOGY OF POLITICS, BORDERS, AND MOVEMENT
Room: 270 Ballroom C
Time: 8:00 AM–12:00 PM
Chairs: Lewis Borck, Eduardo Herrera-Malatesta and Corinne L. Hofman

Participants:

- 8:00 Kellam Throgmorton—Landscape Ontologies as Landscape Politics: Chacoan Interventions in Northwestern New Mexico
- 8:15 Vera Egbers—Lived Space of Displaced People: A Comparative Approach to Contested Spaces in Iron Age Northern Mesopotamia and Modern Europe
- 8:30 Eduardo Herrera-Malatesta, Lewis Borck and Corinne L. Hofman—Contested Landscapes in the Caribbean: Revisiting Colonial Representations of Indigenous Political Hierarchy, Borders and Movement
- 8:45 James Flexner—Artificial Lines in Saltwater and Sand: Boundaries, Borders, and Beaches in Oceania and Australia
- 9:00 Johana Caterina Mantilla Oliveros—Contesting Dispossession. Marronage's Mobility and the Emergence of a Landscape, 17th and 18th Century, Colombia
- 9:15 Beatriz Marin-Aguilera—Colonial Borderlands and Conflicting Landscapes in Colonial Chile
- 9:30 Chelsea Blackmore—Illicit Landscapes and Illegal Economies in 19th Century Southern Belize
- 9:45 Evan Giomi and Nicole Mathwich—Colonial Ideology and the Organization of Spanish Missions in Nuevo México and the Pimería Alta
- 10:00 Stephen Acabado and Marlon Martin—Indigeneity and Empowerment: The Politics of Ethnic Labeling in the Philippines
- 10:15 Lindsay Montgomery—Contested Cartographies: Landscapes of Power, Adaptation, and Persistence on the Rosebud Reservation

Sunday Morning, April 14, 2019

- 10:30 David Witt—"Once an Indian Village:" The Buffum Street Site, Dispossession, and Contested Municipal Landscapes in Buffalo, New York
- 10:45 Erin Whitson and Maxwell Forton—"For the Benefit and Enjoyment of the People": A Critical Examination of American Park-space
- 11:00 Emma Blake, Robert Schon and Rossella Giglio—Bottles, Blue Jeans, and a Boat: Material Traces of Contemporary Migration in Western Sicily
- 11:15 Magda Mankel—Walking the Migrant Trail: Mobilizing Landscape to Contest Border Enforcement Policies and Negotiate the Boundaries of Social Belonging
- 11:30 Manuel Fernandez-Gotz—Discussant
- 11:45 Oswaldo Benavides—Discussant

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-Mauché
2010	Timothy A. Kohler
2011	Steven Shackley
2012	James Skibo
2013	Gayle Fritz
2014	Harold Lewis Dibble
2015	Barbara J. Mills
2016	Barbara Voorhies
2017	Steven Kuhn
2018	Joseph W. Ball

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. Naleimaile
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
2017	Lawrence Shaffer
2018	Jay Rapoza

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 T.J. (Tony) Wilkinson
2005	Susan Toby Evans Kelley Hays-Gilpin
2006	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 | 2016 | Kayla Brown
Keighley Hastings
Kailey Martinez
Samantha Ascoli |
| 2013 | Elizabeth Arkush
Patrick Kirch | 2017 | Esmeralda Ferrales
Eden Franz
Carol Woodland |
| 2014 | Michael L. Galaty
Ols Lafe
Wayne E. Lee
Zamir Tafilica
Jerry D. Moore | 2018 | Heather Hendrickson
Miranda LaZar
Melissa Perez
Jamie Stevens |
| 2015 | Dimitra Papagianni &
Michael A. Morse
Steven A. Wernke | | |
| 2016 | Miranda Aldhouse-Green
Robert Bettinger
Guolong Lai | | |
| 2017 | Michael E. Smith
Carolyn E. Boyd
Enrique Rodriguez-Alegria | | |
| 2018 | Peter Bogucki (Popular)
Tom Dillehay (Scholarly) | | |

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. The Wase Scholarship offers continuing support to eligible students. Listed below are each year's new recipients.

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
(<i>posthumous</i>) & 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 |

2017 Daniel Wendt
2018 James Warnica

**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
2017 Jeffery Franz Burton
2018 Myles Miller

**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
2017 John P. Hart

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
2001 Briana Pobiner
2002 Elizabeth Espy
2003 Elizabeth Arnold
2004 Jamie Clark
2005 Michelle LeFebvre
2006 Sarah Elizabeth Mistak
2007 Jennifer L. Henecke
2008 Sarah G. Bergh
2009 Kayla L. Pettit
2010 Ashley Sharpe
2011 Carla Hadden
2012 Angela R. Perri
2013 Shoshana Rosenberg
2014 Sarah Raffae MacIntosh
2015 Allison L. Wolfe
2016 Arianne Boileau
2017 Kate Tardio
2018 Ashleigh Rogers

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 Higuera-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. Peeples
 (Arizona State Univ)
 2015 Alan Farahani
 (Univ of California, Berkeley)
 2016 Guy David Hepp
 (Univ of Colorado, Boulder)
 2017 Bernadette Cap
 (University of Wisconsin-
 Madison)
 2018 Katherine Chiou
 (University of Alabama)

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 Struever
 1996 Robert McCormick Adams
 1997 Dena Dincauze
 1998 Raymond H. Thompson
 1999 James A. Brown
 2000 William D. Lipe

**DOUGLAS C. KELLOGG FELLOWSHIP FOR
 GEARCHAEOLOGICAL 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 Katherine A. Adelsberger
 2008 Kurt Rademaker
 2009 Benjamin R. Vining
 2011 Teresa Wriston
 2012 Joe D. Collins, Jr.
 2013 Craig Fertelmes
 2014 Michael Aiuvalasit
 2015 Bryn Letham
 2016 Jennifer Kielhofer
 2017 Justin Nels Carlson
 2018 Rachel Cajigas

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	1978	C. Vance Haynes
2007	Brown University	1979	Peter J. Mehringer
2008	University of California–Berkeley	1980	James B. Griffin
2009	Texas A&M	1981	Karl W. Butzer
2010	Brown University	1982	David J. Baerreis
2011	University of California–Santa Barbara	1983	John E. Guilday (<i>posthumous</i>)
2012	Northern Arizona University	1985	Roger T. Saucier
2013	University of California–Berkeley	1986	Donald K. Grayson
2014	University of California–Berkeley	1987	Richard I. Ford
2015	Hiatus	1988	David M. Hopkins
2016	University of Georgia	1989	Joseph B. Lambert
2017	University of Puerto Rico/University California San Diego	1990	Patty Jo Watson
2018	Cornell University	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
		2017	Naomi Frances Miller
		2018	Vance Terrell Holliday

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 Peeples
2011	William Reitze
2012	Joshua Watts
2013	Katherine Dungan
2014	Christopher W. Merriman Kathryn J. Putsavage
2015	Saul L. Hedquist
2016	Jacob Lulewicz
2017	Katelyn Bishop
2018	Reuven J. Sinensky

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.

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>) | Scholarships Committee of the SAA. |
| 1997 | (no award) | |
| 1998 | Diedtra 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>) | |
| 2017 | Elizabeth Svoboda (<i>SAPIENS</i>) | |
| 2018 | Nicholas St. Fleur (<i>New York Times</i>) | |
| 2015 | Gabriel Sanchez | |
| | Dania Jordan | |
| | Sameen Mansoor | |
| 2016 | Milena Carvalho | |
| | Danielle Huerta | |
| | Raghda El-Behaedi | |
| | Lisa Small | |
| 2017 | Lorraine Hu | |
| | Kristina Lee | |
| | Jasmine Lee | |
| | Hope Loiselle | |
| | Erik Marinkovich | |
| | Deja Santiago | |
| 2018 | Luisa Donoso | |
| | Jose Marrero-Rosado | |
| | Angelica Sanchez | |

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 Borrero |
| 2015 | Jeffrey Parsons |
| 2016 | Robert D. Drennan |
| 2018 | Maria Victoria Castro Rojas |

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. (Succeeded in 2017 by the Paul Goldberg Award.)

- | | |
|------|--------------------|
| 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

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
 2017 David Hurst Thomas
 2018 Martin McAllister

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 (*posthumous*)
 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
 Gordon C. Moore
 Carley Kaleo Veary
 Scott T. Kikilo
 2005 Lizatine A. Tsosie
 Laurie Shead
 Denny Gayton
 2006 Vera Asp
 Ashley Layne Atkins
 Joey Condit
 Elizabeth Lein'Ala Kahave
 Roberta Lynn Thomas

2007 Tracey Pierre
 2008 Na'Lilma Ahuna
 Simon Solomon
 2009 Shianne Sebastian
 Ira K. Matt
 Wesley D. Miles
 2010 Wesley D. Miles
 Simon Arthur Solomon
 Elijah Sanderson
 Robert James David
 Kevin J. Brown
 Liana Staci Hesler
 2012 Joshua Castleman
 Joel Nicholas
 Autumn Whiteway
 2013 Alyssa Christine Bader
 Dylan Ray Jennings
 Susan Marylouise Peone
 2014 Alicia Mary Olea
 2015 Alicia Gooden
 Kristen Green
 Anita Johnson-Henke
 Regina Mad Plume
 Peter Nelson
 2016 Regina Hilo
 Kristyn Hara
 2017 Patrick Burt
 Michele Brownlee
 Erin Renn
 2018 Ashlyn Weaver

**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
 2017 Regina K. Hilo
 2018 Raquel Romero

**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
 2017 Jamie Stevens
 2018 Uguku Usdi

Paul Goldberg Award

(FORMERLY THE GEOARCHAEOLOGY INTEREST
 GROUP MA/MS RESEARCH AWARD)

The Paul Goldberg Award provides support for thesis research, with emphasis on the field and/or laboratory aspects, for graduate students in the earth sciences and archaeology.

2017 Heidi Van Etten
 2018 Zaakiyah Cua

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 (*Student*)
 Virginia Butler & James Chatters (*Professional*)
 1994 Alanah J. Woody (*Student*)
 George R. Miller & James S. Oliver (*Professional*)
 Dennis E. Lewarch & Laura S. Phillips (*organizers, Outstanding Poster Symposium*)
 1995 Tim Hunt, Mark Madsen & Carl Lipo (*Student*)
 Brenda J. Baker & Maria A. Liston (*Professional*)
 1996 Clinton C. Hoffman (*Student*)
 Adam King (*Student*)
 Stephen H. Lekson (*Professional*)
 1997 Anastasia Steffen, Rita Moots Skinner & Ann F. Ramenofsky (*Student*)
 Judith A. Habicht-Mauche, A Russell Flegal, Stephen Glenn & Horner Milford (*Professional*)
 1998 Lisa Nagaoka (*Student*)
 Shannon P. McPherron & Harold L. Dibble (*Professional*)
 1999 Diana Greenlee, Robert C. Dunnell, Terry Hunt & Michael Pfeffer (*Student*)
 Neal H. Lopinot & Jack H. Ray (*Professional*)
 2000 Diana M. Greenlee (*Student*)
 Fraser D. Neiman (*Professional*)
 2001 Jonathan Scholnick, Derek Wheeler & Fraser Neiman (*Student*)
 Jeffrey Homburg, Eric Brevic, Jeffrey Altschul, Anthony Orme & Steven Shelly (*Professional*)
 2002 Laura Smith, James Jordan, David Johnson, Casey Haskell & Herbert Maschner (*Student*)
 Manuel R. Palacios-Fest & Jeffrey A. Homburg (*Professional*)
 2003 Stacey Chambliss (*Student*)
 Diana M. Greenlee (*Professional*)
 2004 Andrew Isaac, Mark Muldoon, Keri Brown & Terry Brown (*Overall*)
 Sara Bon-Harper, Jennifer Aultman, Nick Bon-Harper & Derek Wheeler (*Professional*)
 Stacy Lengyel (*Student*)
 2005 Ethan Cochrane, Julie Field & Diana Greenlee (*Student*)
 James Feathers, Jack Johnson & Silvia Kembel (*Professional*)
 2006 Ruth Dickau (*Student*)
 Robert Hard, Cynthis Muñoz & Anne Katzenberg (*Professional*)
 2007 Jeffrey Ferguson, Jelmer E. Eerkens & Michael Glascock (*Professional*)
 Bridget Zavala & Jose Luis Punzo Diaz (*Student*)
 2008 Brandi Lee MacDonald, R.G.V. Hancock, Alison Pidruczny & Aubrey Cannon (*Student*)
 2009 Susan M. Mentzer (*Student*)
 2010 Metin I. Eren, Adam Durant & Christina Neudorf (*Student*)
 2011 Alexander Smith & Danielle Raad (*Student*)
 2013 G. Logan Miller (*Student*)
 2015 Jenna Kay Carlson (*Student*)
 2016 Amy N. Fox (*Student*)
 2017 Elic Weitzel and Daniel Plekhov (*Students*)
 2018 Mark Agostini (*Student*)

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.

- | | | | |
|------|--|------|--|
| 1990 | Jerome A. Miller
Nathalie F. S. Woodbury | | Donna Seifert
Joe Watkins |
| 1991 | Lynne Goldstein
Rachael Hamilton
Keith Kintigh
Earl Lubensky
Loretta Neumann
Kathleen Reinburg
David Hurst Thomas | 1998 | Stephen Dyson for <i>Archaeology Magazine</i>
Ed Friedman
Janet Levy
William Lovis |
| 1992 | Mark Leone
Jeremy A. Sabloff | 1999 | Caryn Berg
Susan J. Bender
Judith A. Bense
Jon S. Czaplicki
Gary Feinman
Linda Manzanilla
Tristine Lee Smart
George S. Smith
Joe Watkins |
| 1993 | Jerald Milanich
Daniel G. Roberts
Bruce D. Smith
Vincas P. Steponaitis | 2000 | Lynne Goldstein
James A. Goold
Kurt E. Dongoske |
| 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
Paul Takac | 2001 | Mark Aldenderfer
Patricia Gilman
The Law Department of the
National Trust for Historic
Preservation
Francis P. McManamon
Ian W. Brown |
| 1995 | Mark Aldenderfer
Roger Anyon
Robert Drennan
Diane Gifford-Gonzalez
Lynne Goldstein
Keith Kintigh
Mark J. Lynott
Phyllis Messenger, KC Smith &
Cathy MacDonald
Paul Minnis
Bruce E. Rippeteau
Alison Wylie
Melinda A. Zeder | 2002 | Michael J. Fanelli
Donald Forsyth Craib
Johna Hutira |
| 1996 | Brian Fagan
Paul Fish & Suzanne K. Fish
Jonathan Lizee
Toni Moore
Carol Shull
George Stuart | 2003 | John Chamblee
Fred Wendorf, Stuart Struever, &
Doug Schwartz |
| 1997 | Mark Aldenderfer
David Anderson
Roger Anyon & T. J. Ferguson
Keith Kintigh
Florence Lister | 2004 | Garth Bawden
Julie Hollowell-Zimmer & Chip
Colwell-Chanthaphonh
Erin Kuns
William Longacre |
| | | 2005 | MATRIX Project |
| | | 2006 | SAA National Historic Landmarks
Committee |
| | | 2007 | PEC Web Pages Working Group
John Kantner |
| | | 2008 | Alex Barker
Nelly Robles Garcia
Daniel H. Sandweiss |
| | | 2009 | Phillip L. Walker |
| | | 2010 | 75th Anniversary Task Force:
Jeremy Sabloff
James Snead
Wendy Ashmore
David Browman
Don Fowler
Lisa Lecount
Linda Manzanilla
Bruce Smith
Fundraising Committee:
William Doelle
Susan Bender |

	Cathy Cameron	1998	Jan Coleman-Knight
	John E. Kelly	1999	Crow Canyon Archaeological Ctr
	Paul Minnis	2000	George Stuart
	Linda Pierce	2001	George Brauer
	Bruce Rippeteau	2002	AnthroNotes
	Martha Rolingson	2003	Jeanne Moe
	Ken Sassaman	2004	Patricia Wheat-Stranahan
2011	Susan B. Bruning	2005	Office of Archaeological Studies at the Museum of New Mexico
	Paul Minnis		
	Jonathan Muller	2006	Richard M. Pettigrew
2012	Barbara M. Arroyo	2007	The 5th St. Cemetery Necrogeographical Study
	Tomas Enrique-Mendizabal		
	Archibold	2008	Texas Beyond History Website
	Christopher D. Dore	2009	Center for American Archaeology
	Daniel H. Sandweiss	2010	Project Archaeology
2013	Susan Kane	2012	Education Outreach Program of the Office of Archaeological Studies
	Cori Wegener		
	Tim Melancon		
	Serena Bellew	2014	Abby the ArchaeoBus: Society for Georgia Archaeology New South Associates Georgia Transmission Corporation Georgia State University
2014	Deborah L. Nichols		
	Christopher A. Pool		
	Gabriela Uruñuela y Ladrón de Guevara		
2015	Willem Willems	2015	Kansas Archeology Training Program
	Frederich (Fritz) Luëth		
	Jane Eva Baxter	2017	Kristina Killgrove
	Brian I. Daniels	2018	Kentucky Archaeological Survey
	Salam al-Kuntar		
	Anibal Rodriguez		
2017	Jeffrey Altschul		
	Barbara Arroyo		
	Task Force on Gender Disparities in Archaeological Grant Submissions		
	Amity Pueblo Task Force Task Force		
	Task Force on Archaeological Survey Data Quality, Durability, and Use		
	Task Force on Regional Planning		
	Task Force on Valuing Archaeological Resources		
	Task Force on Professional Archaeologists, Avocational Archaeologists, and Responsible Artifact Collectors Relationships		
	Task Force on Guidelines for Promotion and Tenure for Archaeologists in Diverse Academic Roles		

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. Matasanaga 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

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.

1997	Brian Fagan
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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		
2017	Abdel Kader Haidara Fatou Bensouda		
2018	Supervisory Special Agent Timothy Carpenter and the FBI Art Crime Team		
		PRESIDENTS OF SAA	
		A. C. Parker	1935–1936
		Diamond Jeness	1936–1937
		A. V. Kidder	1937–1938
		Edgar B. Howard	1938–1939
		Neil Judd	1939–1940
		W. C. McKern	1940–1941
		Glenn Black	1941–1942
		Nels C. Nelson	1942–1943
		Emil W. Haury	1943–1944
		J. Alden Mason	1944–1945
		Carl E. Guthe	1945–1946
		Frederick Johnson	1946–1947
		Douglas S. Byers	1947–1948
		Waldo R. Wedel	1948–1949
		J. O. Brew	1949–1950
		Frank Roberts Jr.	1950–1951
		James B. Griffin	1951–1952
		Irving Rouse	1952–1953
		Gordon F. Ekholm	1953–1954
		Robert Wauchope	1954–1955
		W. Duncan Strong	1955–1956
		William A. Ritchie	1956–1957
		George I. Quimby Jr.	1957–1958
		Richard B. Woodbury	1958–1959
		Jesse D. Jennings	1959–1960
		Erik K. Reed	1960–1961
		Junius Bird	1961–1962
		David A. Baerreis	1962–1963
		James A. Ford	1963–1964
		Albert C. Spaulding	1964–1965
		Paul S. Martin	1965–1966
		Joe B. Wheat	1966–1967
		Gordon R. Willey	1967–1968
		H. Marie Wormington	1968–1969
		Ignacio Bernal	1969–1970
		Robert Lister	1970–1971
		Richard S. MacNeish	1971–1972
		Charles C. Di Peso	1972–1973
		Douglas W. Schwartz	1973–1974
		Charles R. McGimsey III	1974–1975
		Stuart Struever	1975–1976
		Raymond H. Thompson	1976–1977
		Cynthia Irwin-Williams	1977–1979
		Fred Wendorf	1979–1981
		Richard E. W. Adams	1981–1983
		George C. Frison	1983–1985
		Don Fowler	1985–1987
		Dena Dincauze	1987–1989
		Jeremy A. Sabloff	1989–1991
		Prudence Rice	1991–1993
		Bruce D. Smith	1993–1995
		William D. Lipe	1995–1997
		Vincas P. Steponaitis	1997–1999
		Keith W. Kintigh	1999–2001
		Robert L. Kelly	2001–2003
		Lynne Sebastian	2003–2005
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		
2017	Jacob Lulewicz		
2018	Michelle Bebbber and Mike Wilson		

Kenneth M. Ames	2005–2007	34th	Milwaukee, WI May 1969
Dean R. Snow	2007–2009	35th	Mexico City, Mexico May 1970
Margaret W. Conkey	2009–2011	36th	Norman, OK May 1971
W. Frederick Limp	2011–2013	37th	Bal Harbour, FL May 1972
Jeffrey H. Altschul	2013–2015	38th	San Francisco, CA May 1973
Diane Gifford-Gonzalez	2015–2017	39th	Washington, D.C. May 1974
Susan M. Chandler	2017–2019	40th	Dallas, TX May 1975
Joe E. Watkins	2019–2021	41st	St. Louis, MO May 1976
		42nd	New Orleans, LA April 1977
		43rd	Tucson, AZ May 1978
		44th	Vancouver, Canada April 1979
		45th	Philadelphia, PA May 1980
		46th	San Diego, CA April-May 1981
		47th	Minneapolis, MN April 1982
		48th	Pittsburgh, PA April 1983
		49th	Portland, OR April 1984
		50th	Denver, CO May 1985
		51st	New Orleans, LA April 1986
		52nd	Toronto, ON May 1987
		53rd	Phoenix, AZ April 1988
		54th	Atlanta, GA April 1989
		55th	Las Vegas, NV April 1990
		56th	New Orleans, LA April 1991
		57th	Pittsburgh, PA April 1992
		58th	St. Louis, MO April 1993
		59th	Anaheim, CA April 1994
		60th	Minneapolis, MN May 1995
		61st	New Orleans, LA April 1996
		62nd	Nashville, TN April 1997
		63rd	Seattle, WA March 1998
		64th	Chicago, IL March 1999
		65th	Philadelphia, PA April 2000
		66th	New Orleans, LA April 2001
		67th	Denver, CO March 2002
		68th	Milwaukee, WI April 2003
		69th	Montreal, QC Mar-Apr 2004
		70th	Salt Lake City, UT Mar-Apr 2005
		71st	San Juan, PR April 2006
		72nd	Austin, TX April 2007
		73rd	Vancouver, BC March 2008
		74th	Atlanta, GA April 2009
		75th	St. Louis, MO April 2010
		76th	Sacramento, CA Mar-Apr 2011
		77th	Memphis, TN April 2012
		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
		83rd	Washington, DC April 2018
ANNUAL MEETING SITES			
1st	Andover, MA December 1935		
2nd	Washington, D.C. December 1936		
3rd	Milwaukee, WI May 1938		
4th	Ann Arbor, MI May 1939		
5th	Indianapolis, IN April 1940		
6th	Minneapolis, MN May 1941		
7th	Cincinnati, OH May 1942		
8th	<i>(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.)</i>		
9th	Washington, D.C. May 1944		
10th	Washington, D.C. May 1945		
11th	Indianapolis, IN May 1946		
12th	Ann Arbor, MI May 1947		
13th	Milwaukee, WI May 1948		
14th	Bloomington, IN May 1949		
15th	Norman, OK May 1950		
16th	Evanston, IL May 1951		
17th	Columbus, OH May 1952		
18th	Urbana, IL May 1953		
19th	Albany, NY May 1954		
20th	Bloomington, IN May 1955		
21st	Lincoln, NE May 1956		
22nd	Madison, WI May 1957		
23rd	Norman, OK May 1958		
24th	Salt Lake City, UT May 1959		
25th	New Haven, CT May 1960		
26th	Columbus, OH May 1961		
27th	Tucson, AZ May 1962		
28th	Boulder, CO May 1963		
29th	Chapel Hill, NC May 1964		
30th	Urbana, IL May 1965		
31st	Reno, NV May 1966		
32nd	Ann Arbor, MI May 1967		
33rd	Santa Fe, NM May 1968		

		CRM Expo				Archaeology Week Poster Contest						
122	123	222								623	722	723
120	121	220									720	721
	119	218	219	318	319	418	419	518	519	618		719
116	117	216	217	316	317	416		516	517	616	716	717
114	115	214	215		315	414	415	514	515	614	615	715
	113	212	213	312	313	412	413	512	513	612	613	713
	111	210	211	310	311	410	411	510	511	610	611	711
108	109	208	209	308	309	408	409	508	509		609	709
106												707
104	105	204	205	304				504	505	604		705
	103	202	203	302			403	502	503	602	603	703
	101		201	300	301		401	500	501		601	701

Exhibitor Directory

**9th World Archaeological
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Save the date: July 5-10, 2020.

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Association****2300 Clarendon Blvd****Suite 1301****Arlington VA 22201****United States****#715**<http://www.americananthro.org>Stop by the AAA booth to learn
about membership in our
Archaeology Division and
participate in activities related to
our public education initiatives
RACE: Are We So Different? and
World on the Move: 100,000
Years of Human Migration.**American Cultural Resources
Association****2101 L Street NW, Suite 800****Washington DC 20037****United States****#319**<http://www.acra-crm.org>ACRA is the national trade
association representing the CRM
industry.

American Rock Art Research Association**201 West Soloman Lane
Midland TX 79705-3032****United States****#212**<https://arara.wildapricot.org/>

American Rock Art Research Association is a non-profit organization dedicated to encourage and to advance research in the field of rock art.

Antiquity**Department of Archaeology
Durham University****Durham DH1 3LE****United Kingdom****#316**<http://www.antiquity.ac.uk/>

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Archaeological and Forensic Sciences, University of Bradford**School of Archaeological and Forensic Science
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North America's oldest and largest archaeological organization. The AIA works to create an informed public interest in the cultures and civilizations of the past, supports archaeological research and publication, promotes community based outreach, and advocates for the preservation of archaeological heritage.

Archaeological Legacy Institute**4147 East Amazon Drive****Eugene OR 97405****United States****#723**<http://www.archaeologychannel.org>

Archaeological Legacy Institute (ALI) is a public-outreach organization telling the human story through The Archaeology Channel website, audio podcasting, cable TV programming, filmmaking, annual film festivals, guided tours, and other activities. We will have flyers, signup sheets, and other visual aids promoting ourselves.

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7 Tulovo St

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Bulgaria

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analyzers used for archaeological studies to provide elemental identification and quantification. The ELIO portable XRF analyzer integrates with a programmable X-Y scanner for dramatic visualization of the distribution of elements.

Bureau of Land Management
20 M Street SE
Room 2134LM
Washington DC 20003
United States
#106

<https://www.blm.gov/>

Bureau of Land Management, the largest federal land manager, will provide information about opportunities on public lands. Handouts, flyers, brochures, and displays will be available for viewing and distribution that include, but are not limited to, information about archaeological research, careers, projects, and collections.

California State University, San Bernardino
5500 University Pkwy
San Bernardino CA 92407
United States
#119

<http://www.csusb.edu/ati>

A student-produced virtual reality archeological simulation that

teaches how to walk a transect, discover sites, examine artifacts, and make inferences about their origin and cultural meaning.

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Center for Applied Isotope Studies
120 Riverbend Rd
Athens GA 30602
United States
#409

<http://www.cais.uga.edu/>
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Center for Digital Antiquity
P.O. Box 872402
Tempe AZ 85287-2402
United States
#505

<http://www.tdar.org>
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Colorado Cultural Research Associates
1650 S Perry St.
Denver CO 80219
United States
#723

<http://www.ccraweb.com>
Colorado Cultural Research Associates (CCRA) provides quality cultural resource management services for government and private sector clients. Owner and principal Thomas Carr will have handouts and visual information about our services.

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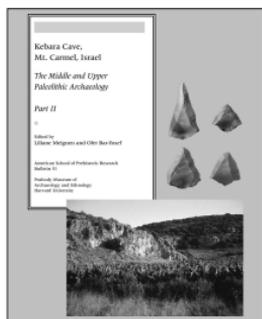
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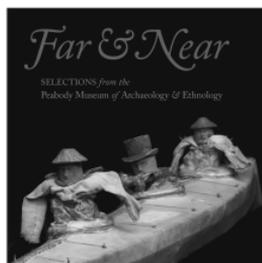


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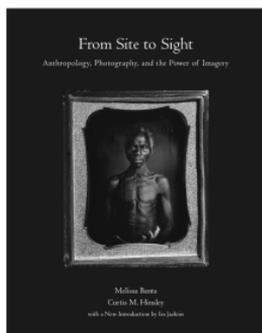


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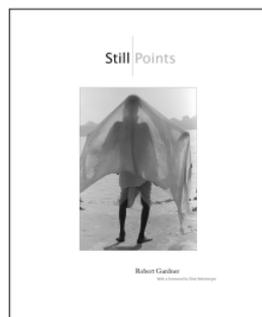
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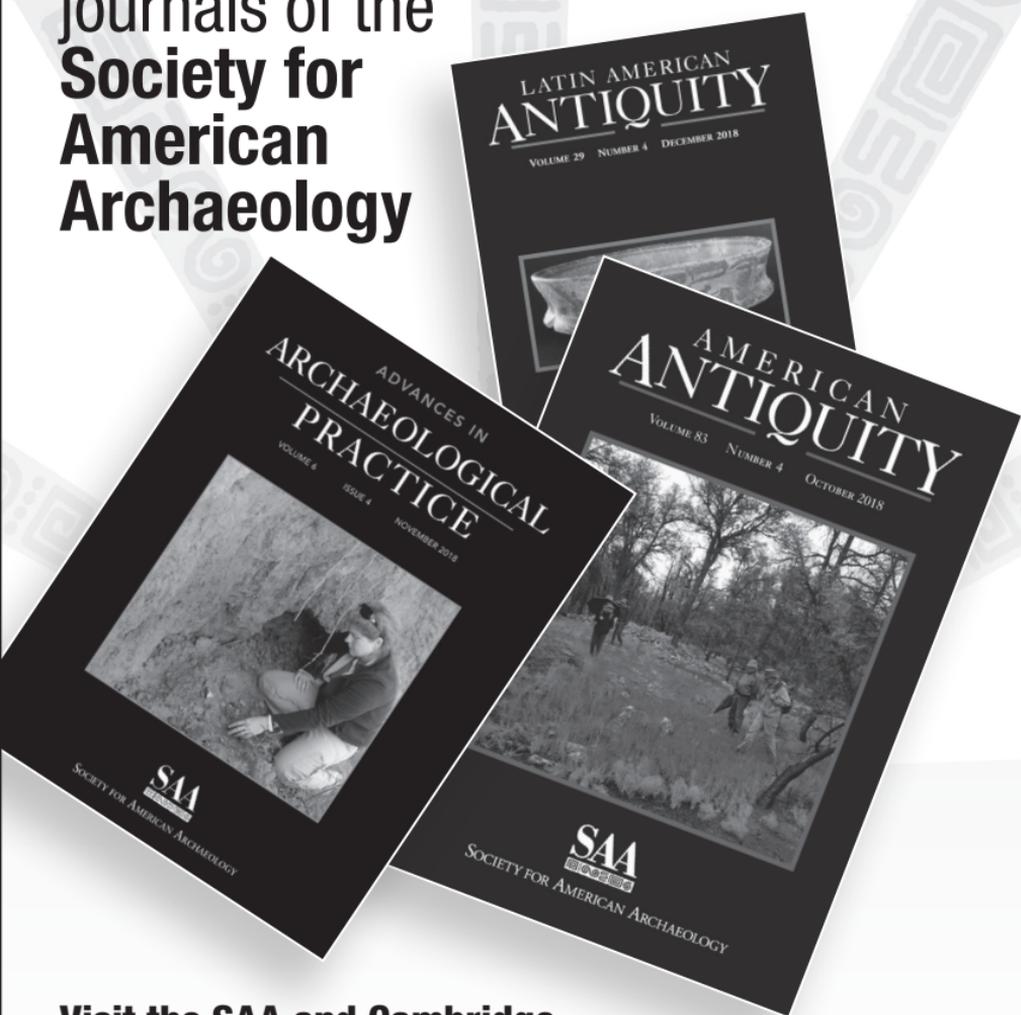


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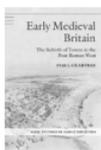
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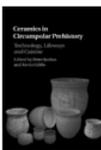
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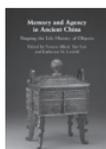
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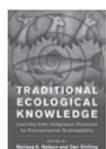
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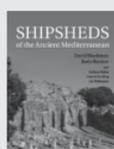
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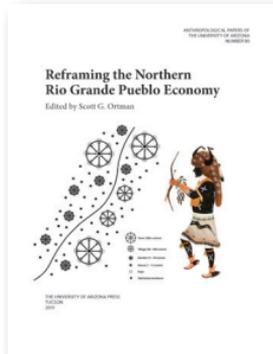
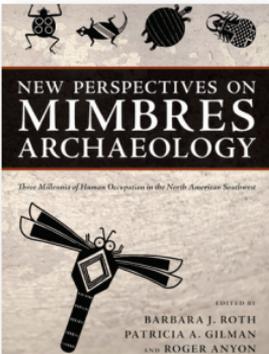
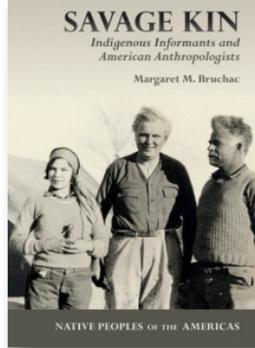
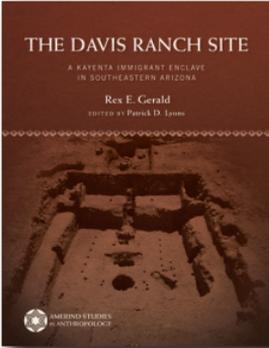
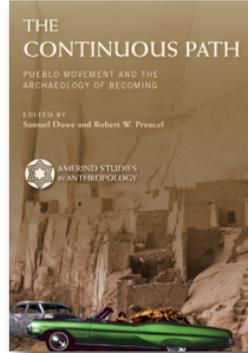
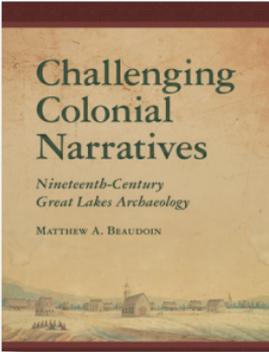
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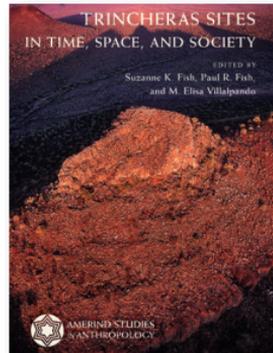
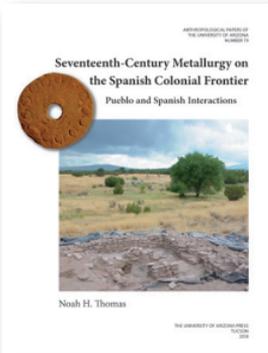
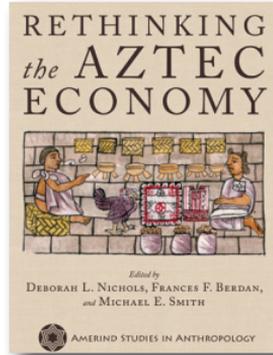
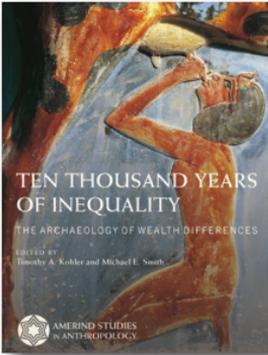
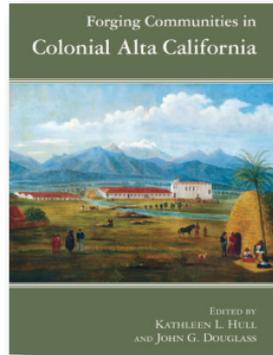
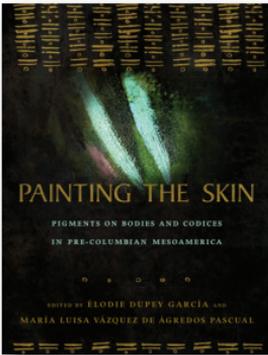
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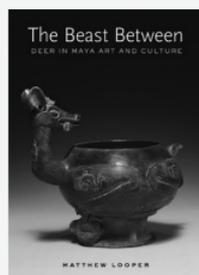
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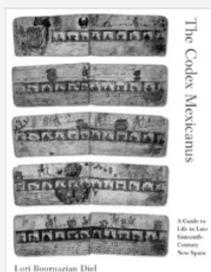
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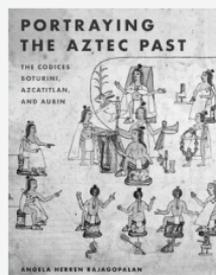
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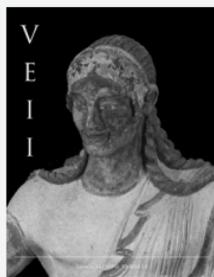
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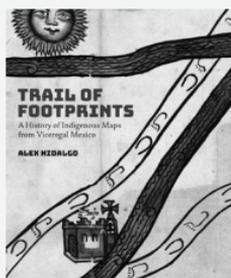
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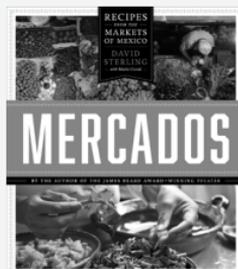
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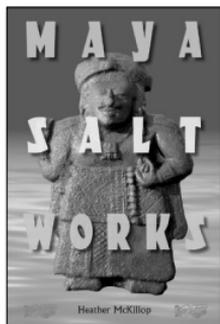


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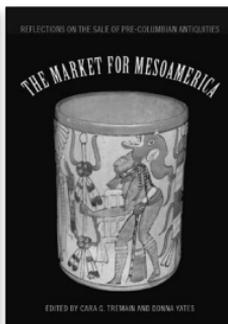
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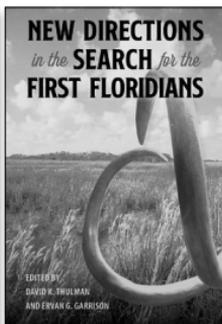
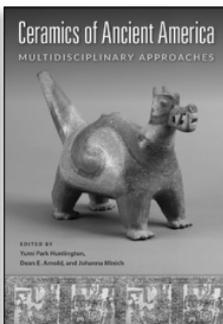
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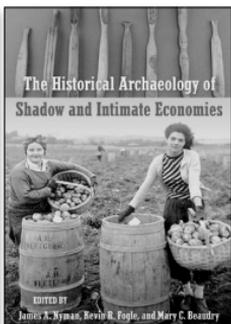
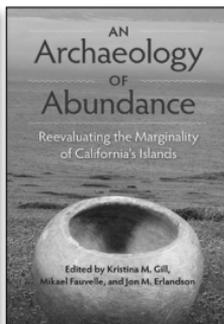
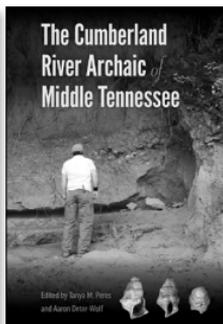
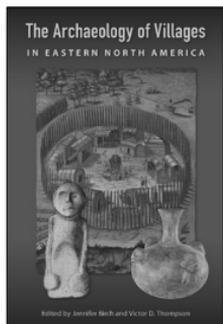
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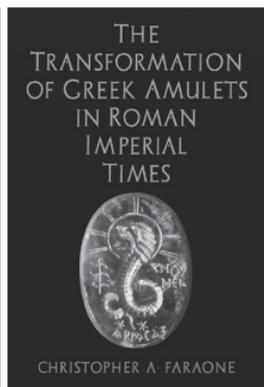
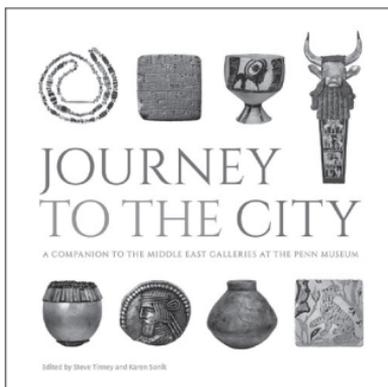
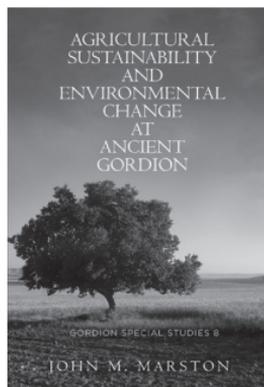
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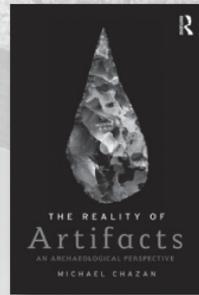
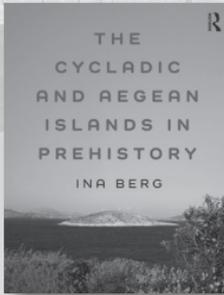
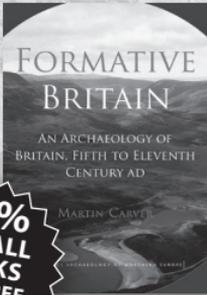
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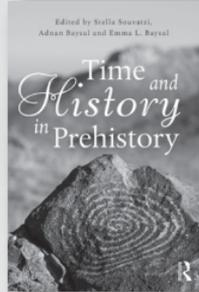
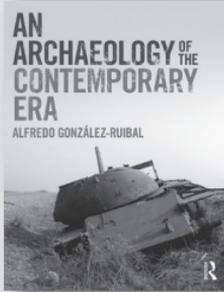
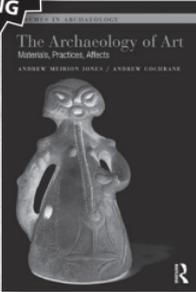
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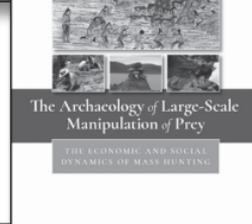
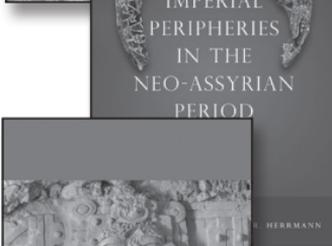
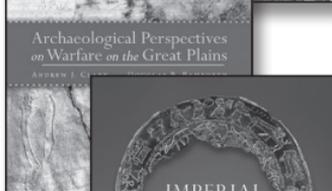
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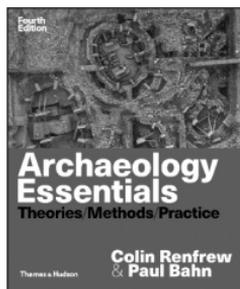
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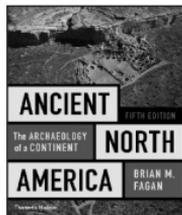
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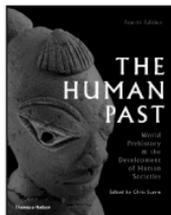
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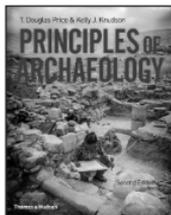
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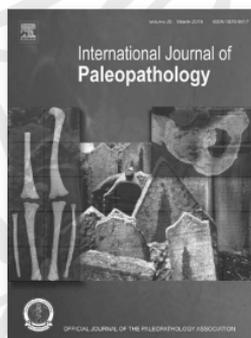
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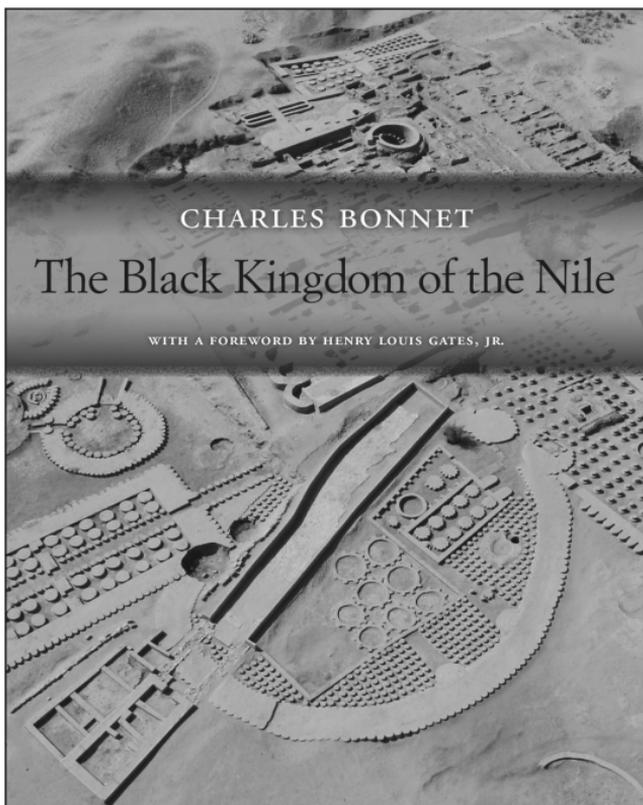
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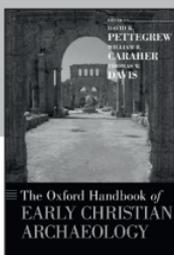
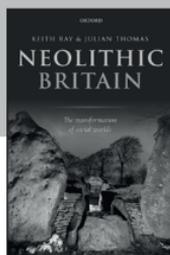
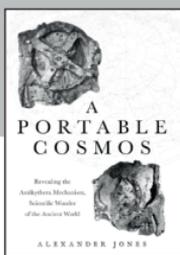
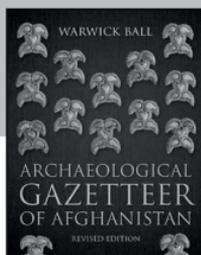
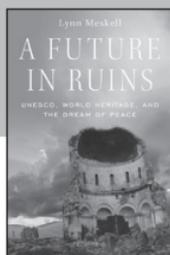
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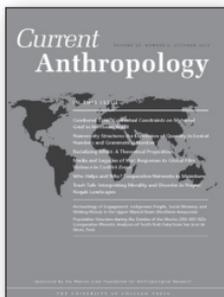
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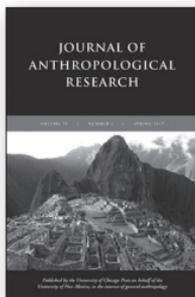
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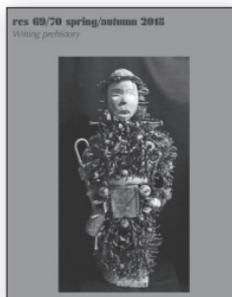
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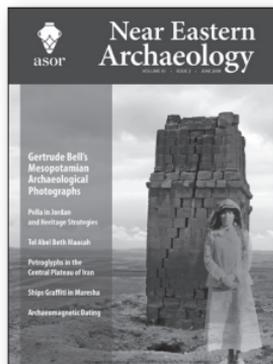
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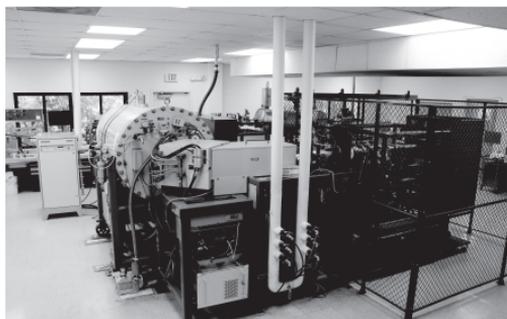
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