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Program of the
86th Annual Meeting*

April 15–April 17, 2021
Online

*Society for American Archaeology

* Due to COVID-19 outbreak, the SAA was forced to host this meeting virtually. The event was originally scheduled to be held in San Francisco, CA.
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.
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Meeting Safety Policy and Code of Conduct at SAA Events

I. Principles

Background
This policy ("Policy") defines a code of conduct for attendees of the SAA Annual Meeting and other SAA events and mandates response to incidents of misconduct in activities sponsored by the SAA. This Policy will be reviewed and updated, as needed, every three years unless events and situations necessitate earlier action.

Everyone is entitled to a safe and harassment-free experience when participating in SAA activities. The SAA understands that participation at its events is an important part of career development and affirms the values of respect, equity, multicultural pluralism, and nondiscrimination at these gatherings. Harassment harms the individual. Harassment also damages the SAA community by discouraging participation in SAA events and compromising the exchange of ideas that is at the center of the SAA’s mission to promote and stimulate interest and research in the archaeology of the Americas and beyond.

Because of the importance of the meeting to career development and concerns at the Society about inclusion of marginalized groups in the Society’s events, the SAA has elected in this Policy to give priority to survivors of harassment and assault and to ensure their ability to participate freely in SAA events.

Scope
This policy applies to all meeting attendees at the SAA Annual Meeting and any SAA events, which includes the conference rooms and organized sessions of the SAA, workshops, excursions, receptions, webinars, and SAA committee, task force, and interest group meetings.* Although reportable incidents are not limited to those occurring at the Annual Meeting and SAA events, any expulsions or restrictions are limited to areas under SAA control. For example, the SAA can bar or exclude an individual from conference sessions, exposition halls, SAA meetings, or social events; however, the SAA’s ability to restrict individuals from spaces accessible to the general public is limited.

Attendee Health and Safety
When any event participant discloses or reports an incident of misconduct,

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* SAA committee, task force, and interest group meetings take place in various venues; the Policy will apply, regardless of venue, for all committee, task force, and interest group meetings that are formally convened. The Policy will not apply to SAA events that are open to the public.
the SAA’s first immediate priority will be the health, safety, and well-being of the attendee. Except in emergency situations, where the venue policy and procedure take precedence, the SAA Executive Director and SAA President, in consultation with legal counsel and hotel/convention center security, will determine whether the involvement of local law enforcement is necessary or prudent.

II. Code of Conduct

SAA meeting participants involved in SAA activities and events are expected to conform to the principles and provisions of this policy and to the SAA Principles of Archaeological Ethics.

The following behaviors are prohibited at the SAA Annual Meeting and SAA events:

- Harassment of any kind, including sexual harassment, sexual assault, and coercion
- Physical or verbal abuse, including bullying
- Unwelcome comments and/or exclusionary behaviors related to an individual’s age, sex, gender identity and expression, perceived sexual identity, appearance or body size, military status, ethnicity, individual lifestyle, marital status, sexual orientation, physical or cognitive abilities, political affiliation, race, religion, or nationality
- Intimidation, stalking, or following

Any attendee who is required by their employer or by a legal process to refrain from certain behaviors or from contact with certain individuals is expected to adhere to those restrictions while participating in all SAA activities. Violation of employer requirements and/or legal restrictions will constitute a violation of this Code of Conduct if disclosed or reported.

Prohibition against Retaliation

Retaliation is when someone penalizes another person for

- Reporting, or expressing an intent to report, what the person believes in good faith to be assault, harassment, or any conduct prohibited by the SAA as stated herein
- Assisting another in reporting assault or harassment, or any conduct prohibited by the SAA
- Participating in any SAA inquiry, review, or investigation pertaining to misconduct
- Having previously reported assault, harassment, or misconduct, and/or
having participated in an inquiry, review, or investigation, whether the potential violation occurred at SAA or elsewhere

SAA strictly prohibits retaliation to ensure that SAA event participants feel comfortable coming forward with their concerns without fear of reprisal. Any person who engages in retaliation in violation of this Policy will be subject to barring or expulsion from SAA events, possible termination of membership, or other disciplinary action.

**III. Ombuds at the SAA Annual Meeting**

Section III on the selection and role of the Ombuds is available online at the complete policy: [https://www.saa.org/annual-meeting/meeting-policies/meeting-safety-policy](https://www.saa.org/annual-meeting/meeting-policies/meeting-safety-policy)

To read about and meet the 2021 Ombuds, please go to page 10.

**IV. Disclosure and Reporting at the SAA Annual Meeting**

SAA encourages reporting of any conduct in violation of the Code of Conduct in Section II above, regardless of the identity of the offender. While SAA encourages individuals to firmly and promptly notify the offender that the behavior is unwelcome, SAA also recognizes that power and status disparities between the offender and the recipient of the offensive conduct may make such a confrontation problematic. Consequently, such direct communication is not a requirement or prerequisite for filing a complaint.

**Ombuds Visit**

Any meeting attendee may reach out to the SAA Meeting Ombuds. This is an independent, informal, and confidential process that enables attendees to discuss any matter of discomfort or distress. The topic of concern may have occurred at an SAA event or elsewhere, or at any point in the past. Connecting with the Ombuds does not require identifying the individual against whom the report is being made ("Subject Individual") nor naming the Attendee to the Subject Individual(s) or to the SAA.

Ombuds visits are intended to explore creatively the range of legal, institutional, policy, and personal options and to discuss with the visitor benefits and disadvantages in order to help the individual identify solution(s) that best support them.

* For the purposes of this Policy, “Subject Individual” refers to anyone against whom a report is being made, regardless of SAA membership status.
While high-level data about the overall categories and types of issues will be shared with the Board by the Ombuds (in the interest of improving the meeting in the future), the Ombuds will adhere to their obligation of confidentiality (unless the individual consents to disclosure), and no specific or identifying information will be shared with the SAA.

Visiting an Ombuds is not mutually exclusive with other processes (e.g., disclosure or report.)

**Disclosure and Report**

Any SAA member or participant at the SAA Annual Meeting ("Attendee") may submit a disclosure or a report (as defined below) to the SAA President or Executive Director. Reports and disclosures can be made orally or in writing. There may be circumstances, particularly with Reports, where an oral report may need some written documentation. The SAA President and Executive Director will be the primary point of contact for the Attendee. Attendees may report incidents with or without identifying the Subject Individual. For purposes of this Policy, the following definitions shall apply:

**Disclosure** (hereinafter “Disclosure” or “Disclosures”) occurs when an Attendee notifies the SAA of a violation of the Code of Conduct or other misconduct and requests assistance from the SAA to enable the Attendee’s continued safe participation in SAA activities. The violation may have occurred at an SAA event or elsewhere, or at any point in the past. Disclosure does not require further investigation or identifying the Subject Individual(s). Disclosure does not require naming the Attendee to the Subject Individual(s). A Disclosure may be made to the SAA President or Executive Director.

The Attendee’s identity shall remain anonymous, unless the Attendee elects to be identified.

In cases where a Disclosure is made without identification of the Subject Individual, actions that may be taken will be limited to making accommodations for the Attendee, such as arranging for escorts to, from, and during SAA events at the Annual Meeting.

**Reporting** (hereinafter “Report” or “Reports”) occurs when an Attendee notifies the SAA of a violation of the Code of Conduct, and requests that the SAA review the matter and take action against the Subject Individual to enable the Attendee’s continued safe participation in SAA activities. A Report may be made to the SAA President or Executive Director.
Reporting requires that an Attendee identify the Subject Individual. A Report will require a description of the alleged incident of misconduct from the Attendee and may be strengthened by statements from any witnesses to the incident.

The SAA President and Executive Director may provide the Subject Individual with a description of the incident and request a timely response. The SAA President and Executive Director will reiterate the non-retaliation provision of the Code of Conduct to the Subject Individual.

Disclosures and Reports under this Policy may be made orally or in writing. To assist Attendees, a form for submission of a written Disclosure or Report is attached to this Policy as Appendix A, and all Attendees are encouraged to use this form. The Attendee may designate a third party to represent them when submitting a Disclosure or Report, provided the third party can present written proof or confirmation of such designation to ensure such third party is authorized to speak on the Attendee’s behalf (e.g., signed letter/affidavit). Individuals who are submitting Reports on behalf of other SAA members or individuals should use the form and note that it is on another person’s behalf.

Role of the Ombuds
Attendees who submit a Disclosure or Report will be encouraged to speak with the SAA Ombuds at the Annual Meeting as well. The Ombuds will explore with the Attendee ways to stay safe and ways to participate as fully as possible in the meeting. If a formal report has not been submitted by the Attendee (in cases where a Disclosure has been made), the Ombuds may discuss the option of filing a Report with the SAA as outlined in this Policy; a complaint with the Subject Individuals’ employing institution or local law enforcement; or a grievance with the Register of Professional Archaeologists or another adjudicating body; along with exploring local, institutional, legal, and interpersonal options.

The Ombuds may, if appropriate, mediate or otherwise assist the Attendee and Subject Individual in reaching a resolution, particularly in cases of misunderstandings, if the parties agree to that process.

Actions
THE SAA PRESIDENT AND EXECUTIVE DIRECTOR, IN CONSULTATION WITH SAA LEGAL COUNSEL, SHALL BE EMPOWERED WITH THE DISCRETION TO TAKE ACTION AT THE SAA ANNUAL MEETING.
Actions may include, but are not restricted to, the following:

- Providing access to escorts to, from, and during events for the Attendee
- Removing the Subject Individual from the Annual Meeting
- Requiring the Subject Individual to modify and/or restrict his or her behavior and activity at the SAA Annual Meeting
- Other reasonable steps, consistent with the nature of the alleged misconduct

The SAA President and Executive Director will complete a written memo, summarizing the facts obtained and the resolution. The Attendee and Subject Individual will receive a copy. **There may be circumstances in which identities shall be left out or redacted from the memo.**

The SAA President and Executive Director shall be responsible for prompt updating to the Attendee about the actions taken. The SAA President and Executive Director will be responsible for notifying the Subject Individual about actions the SAA is taking.

The SAA President and Executive Director’s memo shall be sent to the Findings Verification Committee referenced in Section V below for further review and determination of whether or not the Subject Individual should be barred from future SAA Annual Meetings or events.

**Sections disclosing and reporting prior to the meeting, privacy and education and communication are all available online at [https://www.saa.org/annual-meeting/meeting-policies/meeting-safety-policy](https://www.saa.org/annual-meeting/meeting-policies/meeting-safety-policy).**
Information on Ombuds

For the 2021 Annual Meeting, the SAA has chosen two ombuds to serve as informal, independent, neutral, and confidential resources for meeting attendees. The ombuds can assist meeting attendees with determining options to address issues such as harassment, free speech, academic integrity, conflicts of interest, safety, diversity, or any other concern related to the SAA Annual Meeting. The ombuds will listen to understand issues from the perspective of individuals and provide support, coaching, strategies, options, and useful resources. All issues, including sexual harassment, can be discussed confidentially and independently of the Society. Appropriate administrative channels will be offered to individuals who desire to register formal complaints. In addition, the SAA ombuds may, with the permission of the individuals who come to them, make recommendations to the SAA President and Executive Director about specific actions that might enhance the safety and well-being of the individuals attending the Annual Meeting.

How to Contact the Ombuds

ombuds e-mail: saaombuds@gmail.com
ombuds phone: 805-330-1035

The ombuds will be accessible during the Annual Meeting hours, starting at 8:00 a.m. Eastern Daylight Time until 6:00 p.m. Eastern Daylight Time on Thursday April 15, Friday April 16, and Saturday April 17. In addition, ombuds can be available as arranged with David and Elaine.
Meet the 2021 Annual Meeting Ombuds

David, University of California, Santa Barbara
David Rasch is an associate ombuds at the University of California, Santa Barbara. David received his BA in philosophy from Colgate University and a PhD in counseling psychology from the California Institute of Integral Studies. He recently retired from Stanford University, where he served as university ombuds for 14 years. Prior to his work as an ombuds, he was director of Stanford’s Faculty/Staff Counseling Center. David served for six years on the board of directors for CO-OP®, which oversees the testing and certification process for the organizational ombuds profession. In addition to his ombuds work, David also teaches workshops and consults with academic authors on improving writing productivity and overcoming procrastination. He served as the conference ombuds at the 2017 and 2019 American Political Science Association Annual Meetings and at the 2020 APSA Teaching and Learning Conference. He lives in California.

Elaine, Retired Corporate Ombuds
Elaine Shaw works now as a contract ombuds and general civil mediator after a long career with several large U.S. corporations. She recently retired from Pfizer Inc., where she spent six years as a global ombuds and 12 years in human resources (HR). Elaine held a variety of roles in specialist and generalist roles in HR, including five years as an HR investigator. She holds a master’s certificate in conflict resolution from Kansas State University, an MA in labor relations from the University of Illinois, a BA in psychology from Illinois Wesleyan University, and she studied law at Michigan State University College of Law. Elaine served on the board of directors for the International Ombudsman Association as well as the board of directors for the Certified Organizational Ombudsman Practitioner (CO-OP®) credentialing program. In addition to her ombuds work, Elaine coordinates small claims mediation for several district courts in Michigan and volunteers as a registered yoga teacher. She lives in Ann Arbor, Michigan.
Annual Business Meeting
April 16, 2021

4:00 p.m.  **Call to Order**

Call for Approval of Minutes of the 2020 Annual Business Meeting

**Introduction of the ombuds**

**Remarks**
*President Joe E. Watkins, RPA*

**Reports**
*Treasurer Stephen E. Nash, RPA*
*Secretary Teresita Majewski, RPA*
*Executive Director Oona Schmid*

**New Business**
**Ceremonial Resolutions**
**Transfer of Presidential Office**

**Remarks**
*President Deborah L. Nichols, RPA*

5:00 p.m.  **Adjournment**
2021 Award Recipients

Presidential Recognition Award
Recipient: Donn Grenda
For his leadership as Chair of the Government Affairs Committee through six years of two different administrations and times of consensus and conflict.

Presidential Recognition Award
Recipient: David Witt
For the great deal of work he has done to provide analyses of impacts of proposed regulatory changes and drafts of actions and responses for the SAA’s Government Affairs Committee.

Presidential Recognition Award
Recipients: Kayeleigh Sharp and Paul Welch
As co-chairs of the Annual Meeting Virtual Components Task Force, for their work in leading their Task Force and the labyrinth of platforms, providers, and options available to the SAA in crafting a Virtual Online meeting.

Presidential Recognition Award
Recipient: Sarah E. Miller
For her role in leading the Task Force on the Revision of the SAA Principles of Archaeological Ethics: Stage 2 in its outreach to the SAA membership, its analysis of the membership survey data, and the crafting and submission of its final report.

Presidential Recognition Award
Recipients: Karen Brunso and Lauren Sieg
For leading the action to revise the SAA Statement Concerning the Treatment of Human Remains.

Gene S. Stuart Award
Recipient: Megan I. Gannon
Megan I. Gannon has been awarded the SAA’s Gene S. Stuart award in recognition of her outstanding efforts to enhance public understanding of archaeology. Her Sapiens article “Unearthing the True Toll of the Tulsa Race Massacre” is a timely and compelling piece about a little-remembered but horrific episode of racial violence. It is also a highly original rethinking of how to write about archaeology for the public, exploring the development of a community-based archaeological project rather than its outcome. This is not a report on excavation results or artifacts but instead a consideration of how the research has developed out of community needs, interests, and
knowledge. Gannon’s writing provides the public with an alternative way of thinking about archaeology, demonstrating how ethical community-based research can play a role in uncovering suppressed histories and pursuing restorative justice and reconciliation.

**Dienje Kenyon Memorial Fellowship**  
**Recipient:** Jemima Georges  
Jemima Georges has earned the Dienje Kenyon Memorial Fellowship through her proposed dissertation on faunal remains from the Middle Preclassic Maya site of Nixtun-Ch’ich’. Her work focuses on the emergence of social inequality, the relationship between diet and status, and how these aspects of society manifest in the distribution of faunal remains. Her exploration of city life at the household level follows in the tradition of excellence for women zooarchaeologists that was exemplified by Ms. Kenyon.

**Fred Plog Memorial Fellowship**  
**Recipient:** Mark Agostini  
Mark Agostini has earned the Fred Plog Memorial Fellowship for his archaeological dissertation research that is a collaborative partnership with the Pueblo of San Ildefonso in the Tewa region of northern New Mexico. Agostini’s research variously engages historical processes of ethnogenesis, Indigenous ontologies, population dynamics and cultural hybridity, ceramic technologies and communities of practice, archaeological and ethnohistorical practices in medicine and healing, and collaborative archaeological partnerships with descendant communities, among other themes. His dissertation research builds on past research on population histories, settlement patterns, ceramic analysis, historical linguistics, and oral histories that have provided broader understandings of Tewa origins. His proposed work will integrate architectural and ceramic data, cultural landscape features, and oral traditions to discern historical continuities between San Ildefonso and two ancestral villages on the Pajarito Plateau. Public outreach efforts for Tribal and non-Tribal members will contribute to community training and education initiatives, site management, and conservation efforts.

**Paul Goldberg Award**  
**Recipient:** Rachael Smith  
For her project using portable X-ray fluorescence to distinguish individuals in a commingled assemblage of human remains, we proudly present the 2020 Paul Goldberg Award for master’s research in Earth science and archaeology to Rachael Smith (Indiana University of Pennsylvania).
Douglas C. Kellogg Award for Geoarchaeological Research

Recipient: Helen Thompson
For her project using ceramic technology and provenance to investigate colonial impacts in South America during the fifteenth to seventeenth centuries, we proudly present the 2020 Douglas Kellogg Fellowship for doctoral research in Earth science and archaeology to Helen Thompson (University of Sheffield).

Student Paper Award

Recipient: Maria Codlin
Maria Codlin’s paper “Hunting and Husbandry at the Ancient Mexican City of Teotihuacan” applies a variety of sophisticated zooarchaeological techniques, including faunal identification, ZooMS, and stable isotope analyses, to reconstruct the role of animal foods in subsistence patterns of the Tlajinga neighborhood of Teotihuacan. The clearly articulated research questions, integrative approach, innovative methods, and high-quality data, combined with attractive and straightforward data presentation and a clear, concise text, renders this study a worthy recipient of the 2021 SAA Student Paper Award.

Student Poster Award

Recipient: Laura Benedict
Laura’s zooarchaeological research at the Lake Roberts Vista Mimbres Pueblo site examines an impressive sample of faunal remains to explore foodways in the community. The research is presented in an intuitively designed poster that incorporates informative data tables, high-resolution images, and maps of the region and site layout. In her work, she identified species from a sample of over 1,500 bone fragments. Patterns show highly fragmented Artiodatyla remains, including smaller long bones, which often are not part of the grease or marrow extraction process. She generates four possible explanations from these patterns that show the continuing potential of her line of inquiry.

Matthew Tobin Cappetta Archaeological Scholarship

Recipients: Mark Agostini and Brian Holguin

Historically Underrepresented Groups Scholarship Graduate Awards

Recipients: Kevin Cabrera, Zindy Cruz, and Tiffany Santiago

Historically Underrepresented Groups Scholarship Undergraduate Awards

Recipients: Raena Gamble, Isabella Garcia, and Karla Saracay
Dissertation Award

Recipient: Ian Kretzler
The winner of the 2020 Dissertation Award is Dr. Ian Kretzler for his University of Washington dissertation, “An Archaeology of Survivance on the Grand Ronde Reservation: Telling Stories of Enduring Native Presence.” The committee all agreed that Dr. Kretzler’s work was a well-written and innovative approach to Indigenous archaeology. We were particularly impressed with how he wove together a complex theoretical perspective and effective methodology into a what one of our committee members called a “how-to guide” for a truly collaborative research project that involved the members of the Grand Ronde Nation from inception to conclusion. We were also very impressed with Dr. Kretzler's emphasis on “survivance” and its broader implications with other aspects of archaeology and anthropology that include underrepresented communities and who have histories of colonialism. Overall, the Indigenous-led approach, the integration of archaeological and historical data with community knowledge, and the excellent presentation of all this into a document that was a pleasure to read created a caliber of work that elevated it over the other nominees and made Dr. Kretzler our awardee (University of Washington).

Charles Stanish SAA Annual Meeting Travel Award (El Premio Anual Charles Stanish Para Asistir a la Reunión Anual de la SAA)

Recipient: Kodiak Aracena Delgadillo

H. and T. King Grant for Precolumbian Archaeology

Recipients: Jessica MacLelland, Celeste Samec, Amy Thompson, and Verónica Williams

Honorable Mentions: Gibránn Becerra and Dana Bardolph

Book Award (Scholarly)

Recipients: D. Rae Gould, Holly Herbster, Heather Law Pezzarossi, and Stephen A. Mrozowski

*Historical Archaeology and Indigenous Collaboration: Discovering Histories that Have Futures* (University Press of Florida) is an excellent example of collaborative work with Native communities. Multiple lines of evidence, which include documentary, oral history, and archaeological evidence, are used to demonstrate an outstanding example of what an inclusive archaeology can look like. The book describes a story of loss and resilience, especially when tracking down changes in land ownership through multiple generations, exploring structural inequities in society that contributed to loss of Nipmuc land. This volume guides readers through key concepts and importantly these concepts are related to problematic impacts in the past and today of colonialism. It illustrates the potential for archaeology to contribute to
dialogues and illustrate the importance of cultural heritage not only in the past but the present and the future.

**Book Award (Popular)**

**Recipient:** Mark D. McCoy

In *Maps for Time Travelers: How Archaeologists Use Technology to Bring Us Closer* (University of California Press), Mark McCoy shows how the newer technologies, such as GRS and GPR, are used today to study the landscape from an archaeological perspective. With this peculiar approach, McCoy explains to a wide audience how archaeologists know things—with a focus on the rather specific topic of spatial/landscape “mapping” technologies broadly used in archaeology today. The book is creative and original as it approaches geospatial technologies from the perspective of educating and engaging the public. It is a first of its kind as typically geospatial publications in archaeology are either quite technical or embedded deeply within specific research (which is appropriate for scholarly work and even popular articles). The book would engage a broader audience providing them a great overview with various examples of how archaeologists not only use geospatial technologies but also reflect how archaeologists also contribute to emerging technical fields.

**Award for Excellence in Archaeological Analysis**

**Recipient:** Michael B. Collins

Michael B. Collins has earned the SAA’s Award for Excellence in Archaeological Analysis for his scholarship over six decades. Throughout his long career, Collins has championed lithic analysis in all its forms including artifact replication, raw material identification, heat treatment, and use alteration. His major contributions include lithic analyses in North America, South America, and Europe as well as experimental work with significant implications for archaeological interpretation. He is perhaps best known for his pioneering work on lithic reduction sequences among Clovis and earlier peoples in the Americas. Collins’s commitment to research excellence, along with his noteworthy contributions to service and public engagement, makes him an outstanding recipient of this award.

**Award for Excellence in Curation and Collections Management**

**Recipient:** Maryland Archaeological Conservation Laboratory

The Maryland Archaeological Conservation (MAC) Laboratory is a model archaeological curation and conservation facility housing over 10 million archaeological artifacts and associated documentation. Going far beyond curation, the MAC Lab’s collections form the backbone of a vibrant, robust, and multipronged outreach and accessibility program that has reached over a million people in the past 20 years. One signature program is the growing
Diagnostic Artifacts of Maryland website that in 2019 alone had over 400,000 hits from 152 different countries. Another is their wildly popular Artifacts of Outlander traveling and virtual exhibit. During the pandemic the MAC lab not only created a wide variety of digital content (artifact videos and curator blogs) but also focused on data management backlog projects that could be tackled by employees doing telework. The MAC lab is recognized for their exemplary work with the SAA’s award.

**Award for Excellence in Collections-Based Research and Education**

**Recipient:** Printing the Past: SC in 3D

“Printing the Past: SC in 3D” represents innovative use of technology to engage members of the public with archaeological and historical collections. Produced by faculty and students of Coastal Carolina University, the exhibit contains 3D printed artifacts from a county museum presented in a sensory environment that serves to increase educational opportunities for audiences with visual disabilities, neurodivergence, and sensory processing differences. Through the project, undergraduate students learned 3D scanning and printing, exhibit production, and how to work with diverse stakeholders. This project breaks through barriers by offering inclusive ways to learn about the past in an environment that fits a range of needs. In addition to working with the community who experience physical learning differences, the project also incorporated consultation with indigenous descendant communities. A model for practices that increase diversity within our discipline and its public, this project is recognized for Excellence in Collections-based Research and Education.

**Award for Excellence in Latin American and Caribbean Archaeology**

**Recipient:** James B. Richardson III

It is with great pleasure that we announce that James Richardson has earned the SAA’s Award for Excellence in Latin American and Caribbean Archaeology. Dr. Richardson’s career has successfully spanned multiple worlds, both as a university professor at the University of Pittsburgh and as a curator at the Carnegie Museum of Natural History, in Latin America and beyond. His research into the paleoclimate of the Andean coast is foundational. In the end, however, his greatest legacy may be the co-creation of the Latin American Archeology Program at the University of Pittsburgh in 1988 and his management of the Heinz Scholarship that supported dozens of young Latin American archaeologists as they carried out doctoral studies at the University of Pittsburgh. With this award, we thank him for his lifetime of scholarship and service on behalf of the discipline.
Excellence in Public Archaeology Programming Award
Recipient: Manzanar Community Archaeology Program
The Manzanar Community Archaeology Program (MCAP) earned the SAA’s Award for Excellence in Public Archaeology Program for providing an extraordinary example of how to engage stakeholders in a public archaeology program that examines the social, economic, and moral costs of racism. MCAP demonstrates best practices in archaeology and community engagement through both their research design and volunteer engagement. Through public meetings, MCAP crafted research designs guided by input from former incarcerees of the Japanese American Relocation, their descendants, local residents, tribal groups, and other stakeholders. Since 2003, the program has invested in leadership development through its program for student interns and recruited over 250 diverse volunteers to a community archaeology program. Participants not only learn about the archaeological process but grapple with how to tell the stories of the many Japanese Americans whose lives were upended in U.S. incarceration sites and how to engage in conversations about racism and prejudice.

Outstanding Public Archaeology Initiative Award
Recipient: “Archaeology in the Time of Black Lives Matter” Virtual Panel
On June 25, 2020, amid a national reckoning with racism following the police killing of George Floyd, the Society of Black Archaeologists, Theoretical Archaeology Group (North America), and Columbia Center for Archaeology, as well as Maria Franklin, Justin Dunnavant, Alexandra Jones, Alicia Odewale, Tsione Wolde-Michael, and Ayana Flewellen, convened a virtual panel “Archaeology in the Time of Black Lives Matter.” The panel, coupled with resources compiled by participants in subsequent workshops, offered real, tangible steps toward building a new anti-racist archaeology. The transformational webinar encouraged participants to hold institutions accountable for racial justice; diversify course syllabi, publications, pedagogical approaches, and all products of archaeology; and facilitate ongoing conversations about fostering an anti-racist archaeology. This seminal initiative will feature prominently in archaeological history as a turning point in the quest for a more inclusive discipline.

Robert S. Peabody Institute of Archaeology Award for Archaeology And Education
Recipient: Diving With a Purpose
Diving With a Purpose (DWP) is awarded the SAA’s first Robert S. Peabody Institute of Archaeology Award for Archaeology and Education. DWP is an avocational archaeology program established through a partnership among members of the Underwater Adventure Seekers (UAS), National Association of Black SCUBA Divers (NABS), and Biscayne National Park
Since 2005, over 530 individuals have participated in DWP programs focused on research and public understanding of the maritime aspects of the African Diaspora. DWP has assisted resource managers with the documentation of underwater cultural heritage (UCH), including eighteenth- and nineteenth-century sailing vessels, steamships, slave ships, and World War II aircraft. DWP now offers Youth Diving With a Purpose, focused on those age 16 to 21 and has expanded partnerships to include several underwater managed areas. Diving With a Purpose is a highly impactful public education program reaching both adults and youths that contributes significantly to the preservation of UCH.

Crabtree Award
Recipient: Lonnie Ludeman
Lonnie Ludeman has demonstrated a deep commitment to archaeology through a long history of dedicated volunteerism to the archaeology of the Southwest U.S. He has made significant contributions to our understanding of Southwest archaeology, through 25 years of volunteer work on university field school and research excavations, conducting remote sensing tests, contributing digital mapping expertise, presenting papers at professional conferences, and organizing and publishing the proceedings for several Mogollon Conferences. Dr. Ludeman is most noted for his untiring devotion to training hundreds of students on archaeological field schools. His humility, generosity, and kindness are legendary in Southwest archaeology. Lonnie Ludeman is highly deserving of the Crabtree Award for his exemplary service to university field schools and conference organization in support of the Southwest’s archaeological past.

Fryxell Award
Recipient: Mary Clare Stiner
Stiner received the Society of American Archaeology’s first book prize in 1996 for her seminal work *Honor Among Thieves*, highlighting a career characterized by creative and significant interdisciplinary contributions in archaeological sciences, particularly in zooarchaeology. Her innovative methodological and theoretical research draws on complex anthropological, ecological, and zoological methods and theories to address some of the most significant debates in anthropology. Her influential papers cover topics such as demographic trends during the Paleolithic, forager economics and technology, decorative traditions, the forager-farmer transition, population ecology, behavioral ecology, zooarchaeology, taphonomy, and animal domestication. Stiner works with large datasets developed through collaborative interdisciplinary research in Turkey, Italy, Israel, Portugal, Greece, and the United States. Her methods and interpretations are applicable to many other times and places, however, and have influenced
zooarchaeological interpretations and data treatment well beyond the European Paleolithic. Her impact amply demonstrates the importance of interdisciplinary research in archaeology.

**Lifetime Achievement Award**

**Recipient:** Lynne Sebastian

Lynne Sebastian has received the SAA’s Lifetime Achievement Award for her significant and lasting contributions to the archaeological profession, the preservation of our nation’s cultural heritage, and research on American archaeology. She has served the profession as SAA Secretary and President, RPA President, an Advisory Council on Historic Preservation member, the New Mexico Deputy SHPO and SHPO, and an advisor on historic preservation to the National Academy of Sciences and the American Association of State Highway and Transportation Officials. Her contributions to cultural heritage preservation through public archaeology include development of the method, theory, and practice of cultural resource management; promotion of the use of federal and state laws and regulations protecting archaeological sites to professional archaeologists, agency managers, tribes, industry, and the public; and organizing and leading the Making Archaeology Public Project. She also has conducted important research on the archaeology of Chaco Canyon and its Ancestral Pueblo inhabitants.
Meeting Organizers, SAA Board of Directors, and SAA Staff

**Program Committee Chair**
Michele L. Koons, RPA  
Denver Museum of Nature & Science

**Program Assistant**
Amy M. Gillaspie  
Community College of Denver; History Colorado

**Committee Members**
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MEREA Consulting, LLC

Kimball M. Banks, RPA  
Metcalf Archaeological Consultants

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Vassar College

Danielle M. Benden, RPA  
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University of Illinois at Urbana-Champaign

Kyle Bocinsky, RPA  
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Archaeology Southwest

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Kelsey M. Reese  
University of Notre Dame

William Patrick Ridge  
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Danielle J. Riebe  
The Field Museum

Thatcher A. Rogers, RPA  
University of New Mexico

Miriam Rothenberg  
Brown University

Susan C. Ryan, RPA  
Crow Canyon Archaeological Center

Kathryn E. Sampeck  
Illinois State University

Matthew C. Sanger  
National Museum of American Indian

Jakob W. Sedig  
Harvard University

Jolene Smith  
Virginia Department of Historic Resources

Colleen Strawhacker  
National Science Foundation

Jennie O. Sturm  
University of New Mexico

Jillian A. Swift  
Max Planck Institute for the Science of Human History

Wendy Giddens Teeter, RPA  
Fowler Museum at UCLA

Lorann P. Thomas, RPA  
American Museum of Natural History

Alexandre Tokovinine  
University of Alabama

Jason L. Toohey  
University of Wyoming

Petra Vaiglova  
Washington University in St. Louis
Parker Van Valkenburgh  
Brown University

Patricia Wattenmaker  
University of Virginia

Andrew Womack  
Furman University

Joshua Wright  
University of Aberdeen

Maria Nieves Zedeño  
University of Arizona

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Sonoma State University

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Manager, Information Services
ABSTRACTS
The abstracts are available at https://www.saa.org/annual-meeting/programs/abstract and via the 86th Annual Meeting Online website.

ANNUAL BUSINESS MEETING
The Society’s Annual Business Meeting will be held at 4:00 p.m. on Friday. All meeting attendees are welcome.

ANNUAL MEETING FAQ
If you have questions about the 86th Annual Meeting Online or would like to view the presenter guides please visit https://www.saa.org/annual-meeting/meeting-policies/86th-annual-meeting-online-faq

ASSISTANCE
If you have questions about your registration, contact headquarters@saa.org.

If you have questions about your log-in credentials, contact webmaster@saa.org.

If you have a technical problem with the website for the 86th Annual Meeting Online, please contact buffalo.support@conventusvirtual.com.

AWARDS PRESENTATION
The SAA Awards Presentation will be released on the SAA’s YouTube channel in early May. Please join us in celebrating our prize, grant, and scholarship recipients.

CHAT FUNCTION
Attendees, exhibitors, and presenters can engage in discussion using the chat feature on the left side of the screen. The chat will be available in all sessions and exhibitor booths throughout the meeting. Each comment will be displayed with the person’s first and last name. The chat feature is visible to all attendees and cannot be edited.

CULTURAL RESOURCE MANAGEMENT CAREER (CRM) EXPO
Sponsored by the American Cultural Resources Association (ACRA) and the SAA, the CRM Expo will be held on Saturday, April 17 from 1:00 p.m. to 3:00 p.m. Representatives from 11 CRM firms and programs will answer questions, describe their organizations, career paths available, etc. A complete list of Expo exhibitors will be provided on page 168.

EXHIBITS
The SAA Annual Meeting Exhibit Hall provides an exciting array of products and services for you to review—you’ll find technology, field equipment, publications, archaeological services, and more. During the online annual meeting, you can check out the Exhibit Hall anytime that is convenient for you! However, exhibitors will be “online” and available to answer any questions
Thursday, April 15 and Friday, April 16 from 11:00 a.m. to 1:00 p.m. Join us for the FIRST SAA Exhibit Hall Scavenger Hunt! (See Scavenger Hunt below.)

LAND ACKNOWLEDGMENT

Some people may have or wish to write their own specific land acknowledgment statement they would like to share for their specific geographic area. We offer some resources below for developing a recognition of tribal land:

— Field Museum webinar, “We Are All on Native Land: A Conversation about Land Acknowledgements” (https://tinyurl.com/3xwybk5n)
— Native Land Digital map (please note map is a work in progress based on community contributions; https://native-land.ca)
— USFS Tribal Connections Viewer (please keep in mind that treaties only tell part of the story; https://tinyurl.com/3kwaz3e8)

Should any SAA meeting attendees like to use the language offered courtesy of the Smithsonian National Museum of the American Indian, we have their permission to share and use their land acknowledgment:

We gratefully acknowledge the Native peoples on whose ancestral homelands we gather, as well as the diverse and vibrant Native Communities who make their home here today.

NEW MEMBER AND FIRST-TIME ATTENDEE MEETING ORIENTATION

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

We will host live sessions on Friday, April 2, 10:00 a.m.–10:30 a.m. EDT and Monday, April 5, at 3:00 p.m.–3:30 p.m. EDT, so that you can choose the one that works best for your schedule. Our maximum capacity for each slot is 95 attendees, and it is first come, first serve. The first session will be recorded so that the video can be available for others.

OMBUDS

Ombuds e-mail: saaombuds@gmail.com
Ombuds phone: 805-330-1035

The ombuds will be accessible during the Annual Meeting hours, starting at 8:00 a.m. Eastern Daylight Time until 6:00 p.m. Eastern Daylight Time on Thursday, April 15; Friday, April 16; and Saturday, April 17. In addition, ombuds can be available as arranged with David and Elaine. Visit page 10 for more information on the ombuds.
ONLINE ARCHAEOLOGY WEEK
Online Archaeology Week will run from April 5 to April 9, 2021, the week before the SAA 86th Annual Meeting Online. All members of the public are invited to explore archaeology and history through downloadable resources, such as a digital activity booklet, and talks from archaeologists and other related experts. Though we won’t meet in person in San Francisco as planned this year, learn more about the past in California and elsewhere. All activities are free and do not require an annual meeting registration: www.saa.org/publicweek

PRESIDENTIAL SESSION
The Presidential Session, “What Is at Stake? The Impacts of Inequity and Harassment on the Practice of Archaeology,” will be held on Thursday 2:00 p.m.–4:45 p.m. EDT.

POSTERS
Posters are available 24/7 starting at 8:00 a.m. on Thursday April 15. Participants can be contacted by the presenter list or by asynchronous chat.

PRESENTER LIST
The SAA 86th Annual Meeting platform will have a list of presenters with a link to each of presentations. This feature will allow you find a presentation by a person’s name.

REGISTRATION
Regular registration rates will be available starting March 29, 2021, and registration will remain open until July 1, 2021, in case people would like to view the recorded sessions and posters. Go to https://www.saa.org/annual-meeting/registration-info to register.

If you have questions about registration, please contact headquarters@saa.org.

SOCIAL MEDIA
Continue the symposiums and lectures online using the hashtags #SAA86thOnline and #SAAStudents.

STUDENT WELCOME TO THE SAA
Each year at the beginning of the Annual Meeting, the SAA sponsors a Student Welcome Reception. It is a chance for students to meet the SAA Board and one another before the meeting. With the SAA 86th Annual Meeting Online, we’ll continue this event as a Student Welcome to the SAA. Please join us on Wednesday, April 14th from 5:00 p.m. to 6:00 p.m. EDT. This free, one-hour Zoom session will help introduce students to the Board and different Interest Groups that the SAA offers. Using small-group breakout rooms, this will allow students to virtually network before the Annual Meeting. Free. Please sign up before March 10

SCAVENGER HUNT
During the SAA 86th Annual Meeting Online, attendees will have the opportunity to participate in a Scav-
enger Hunt in the Exhibit Hall. While visiting booths, attendees can search for archaeological tools identified on the Scavenger Hunt form. Attendees will return the completed form by e-mail to meetings@saa.org; the form must be time-stamped by Sunday, April 18, 2021, at 11:59 p.m. Eastern Daylight Time. Entry forms can be found on the SAA website. The SAA will have a drawing for two winners! Each winner will get a check for $250.00.

STATE ARCHAEOLOGY CELEBRATION POSTER CONTEST
The annual State Archaeology Celebration Poster Contest is a great way to highlight and celebrate unique local heritage across the discipline through artwork and design. Online voting will open at 9:00 a.m. Eastern Daylight Time on Friday, April 2 and close at 5:00 p.m. Eastern Daylight Time on Thursday, April 8 on the SAA website: www.saa.org/postercontest. All SAA members and 2021 annual meeting registrants are eligible to vote. The first-, second-, and third-place winning posters will be announced in a virtual awards ceremony after the SAA 86th Annual Meeting Online. The contest is sponsored by the Public Education Committee and the Council of Allied Societies. It is made possible through the support of members and the Public Education Endowment Fund.

TIME ZONE
All times listed in the Final Program are in Eastern Daylight Time (EDT). On the SAA 86th Annual Meeting Online site (such as on the agenda page), times are based on the time zone of the computer setting. Therefore, if your computer is set for a local time zone, the meeting website will display local times.

SAA’S 87TH ANNUAL MEETING IN 2022!
Plan now to attend the SAA 87th Annual Meeting in Chicago, Illinois, on March 30–April 3, 2022. Submissions guidelines for those who wish to submit papers, posters, or sessions for consideration can be found at

www.saa.org/annual-meeting/submissions

The submissions system the SAA 87th Annual Meeting in Chicago will open on May 3, 2021.
Featured Sessions

Presidential Session
What Is at Stake? The Impacts of Inequity and Harassment on the Practice of Archaeology

Organizers: Amber VanDerwarker and Maureen Meyers
Date: Thursday, April 15
Time: 2:00 p.m.–4:45 p.m.

Abstract: Research and reporting on equity and harassment in the academy and across various fields in both public and private sectors reveals the extent of chronic inequalities and significant problematic behaviors in various workplace settings. Groups most negatively affected by these inequities and often illegal behaviors are women, the LGBTQ+ community, and underrepresented racial and ethnic groups. For archaeologists, workplace settings include many locales (offices, labs, classrooms, field sites, conferences) and thus many potential sites for inequity, harassment, and assault to occur. To be clear, this is broad disciplinary issue affecting the very performance of archaeology. In addressing this looming and serious problem, this session brings together a wide range of practicing students and professionals to consider: (1) equity (e.g., gender pay gap, publication/citation practices) and (2) sexual harassment and assault (e.g., as experienced and perpetrated by different subgroups, effects on professional outcomes, effective training/reporting, resources for survivors). Wherever possible, presenters discuss recommendations at several scales (e.g., individuals, workplaces, field settings, conferences). We hope that highlighting these issues at the forefront of our annual meeting will make evident that inequity and harassment affects all practitioners and open a dialogue on these issues that continues throughout and beyond the conference itself.

Ethics Bowl
Date: Thursday, April 15
Time: 1:00 p.m.–3:00 p.m.

The Ethics Bowl is a space where students and audience members can critically and creatively engage with the diverse ethical issues that face the practice of archaeology today. Each year, student teams come up with innovative arguments, considerations, and solutions that move the discipline forward. Although being held virtually for the first time, the SAA Committee on Ethics, Registrar of Professional Archaeologists, and the Archaeological Institute of America invite you to attend the 16th Annual Ethics Bowl and help support student-led conversation in archaeological ethics during the annual meeting.
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<thead>
<tr>
<th>Day</th>
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<tbody>
<tr>
<td>Friday, April 2</td>
<td></td>
<td>10:00 a.m.–10:30 a.m. EDT</td>
<td>First-Time Attendee and New Member Meeting Orientation</td>
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<td>Monday, April 5</td>
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<td>3:00 p.m.–3:30 p.m. EDT</td>
<td>First-Time Attendee and New Member Meeting Orientation</td>
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<td>Monday, April 12</td>
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<td>3:00 p.m.–5:00 p.m. EDT</td>
<td>Workshop: Teaching Integrity in Empirical Archaeology</td>
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<td>Tuesday, April 13</td>
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<td>3:00 p.m.–5:00 p.m. EDT</td>
<td>Workshop: Power, Responsibility &amp; Accountability</td>
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<td>Wednesday, April 14</td>
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<td>11:00 a.m.–1:00 p.m. EDT</td>
<td>Open Forum: Changes to Statement on Human Remains</td>
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<td>5:00 p.m.–6:00 p.m. EDT</td>
<td>Student Welcome to the SAA</td>
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<td>Thursday, April 15</td>
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<td>8:00 a.m.–5:00 p.m. EDT</td>
<td>Symposia</td>
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<td>11:00 a.m.–1:30 p.m. EDT</td>
<td>Chat with Exhibitors</td>
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<tr>
<td>Friday, April 16</td>
<td></td>
<td>8:00 a.m.–5:00 p.m. EDT</td>
<td>Symposia</td>
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Celebrate Archaeology by Using Your Ballot

The annual State Archaeology Celebration Poster Contest is a great way to highlight and celebrate unique local heritage across the discipline through artwork and design. Online voting will open at 9:00 a.m. EDT on Friday, April 2 and close at 5:00 p.m. EDT on Thursday, April 8 on the SAA website: www.saa.org/postercontest. All SAA members and 2021 annual meeting registrants are eligible to vote. The first-, second-, and third-place winning posters will be announced in a virtual awards ceremony after the SAA 86th Annual Meeting Online. The contest is sponsored by the Public Education Committee and the Council of Allied Societies. It is made possible through the support of members and the Public Education Endowment Fund.
About the Annual Meeting Website

The SAA 86th Annual Meeting was originally scheduled to take place in San Francisco, California. Due to the COVID-19 pandemic, the board was forced to take the meeting online. The meeting will begin on Thursday, April 15 and go through Saturday, April 17, 2021, but recordings of all the sessions and the posters will be accessible through Saturday, July 17, 2021. All presenters and participants will need to be registered to access the meeting, and registration will be open through July 10, 2021. The meeting is accessible at www.saa2021.conferencecontent.net. The SAA 86th Annual Meeting Online will feature over 250 posters, 180 sessions, and 40 exhibitors.

Notes about the Online Meeting Site

When you are logged on to the annual meeting online website, you will be able to search for individual presentations and posters by the lead author’s name in the Presenters tab or by finding the list of presentations in each session by searching for the Session Title that corresponds to the session number (e.g., [19]) as it appears in the Final Program and the Symposium Abstracts from the Agenda tab.

Session Titles are only searchable by the day of the event, which you can discern from the Final Program. From the Agenda tab, you will see the three days in boxes across the top of the screen (Thursday, Apr 15, etc.). The one that is highlighted in orange is the day that you are currently searching. Click on “Friday, Apr 16” to search for sessions on Friday, and so on.

From the Posters tab, you can view the entire list of poster presenters alphabetically by last name, and you can also search for posters by Poster Session Title or individual author name (lead author or coauthor) or poster title.

Presentations and posters that were officially withdrawn by March 31, 2021, but after the online meeting site was launched, have been marked as [WITHDRAWN] in the Final Program and Abstracts available on the SAA website; however, these presentation/poster placeholders will still appear on the meeting website.
Poster Sessions

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

[1] **Poster Session: Lithic Analyses and Research**

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

[2] **Poster Session: Ceramic Analyses from North and Central America**

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


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

**[4] POSTER SESSION • SOCIAL ASPECTS OF IDENTITIES AND LANDSCAPES**

Participants:

4-a Erica Ivins, Colin Quinn, Horia Ciugudean, Gabriel Balan and Lacey Carpenter—Active Forgetting: Cemetery Abandonment and Mortuary Politics in Bronze Age Transylvania

4-b Sam Duwe—Nuute’owingeh: Complicating Our Understanding of Historic Period Pueblo Settlement in the Northern Rio Grande

4-c Erika Blecha—The Boulder Glyphs: An Analysis of Prehistoric Conflict and Historic Ranching Lifeways along the Big Bend of the Rio Grande

**[5] POSTER SESSION • APPLICATIONS FOR ADVANCED COMPUTATIONAL ANALYSES**

Participants:

5-a Lawford Hatcher, Katherine Chiou, Emily McKenzie, Caleb Ranum and Juan Monzon—Introducing Paleoethnobotany to Machine Learning: A Case Study in the Genus *Capsicum*

5-b Julia Furlong, Jerry Galm and Stan Gough—Bayesian Analysis of Radiocarbon Assays from the Late Paleoindian Sentinel Gap Site

**[6] POSTER SESSION • CURRENT RESEARCH IN GEOARCHAEOLOGY**

Participants:

6-a Heather Landazuri and Daniel Sandweiss—New Kid on the Block: El Niño-Modoki in Peru—Past, Present, and Future

6-b Michael Lewis, Molly Casperson and Amy Tadlock—Environmental Effects of Cyclical Reservoir Drawdown on Archaeological Resources: A Preliminary Case Study from Fall Creek Reservoir, Lane County, Oregon

6-c Juan Belardi, Silvana Laura Espinosa, Flavia Carballo Marina and Luis Horta—The Quarry in the Forest: The Case of the Upper Guanaco River (Southern Patagonia, Argentina)

6-d Denay Grund, D. Craig Young and Douglas Boyle—Developing a Geomorphic and Archaeological History of Painters Flat

6-e Richard Niquette, Bryon Schroeder and Rolfe Mandel—Preliminary Results of Geoarchaeological Investigations at the San Esteban Rockshelter (41PS20), Southwest Texas

6-f Samuel Arnold and Marcus Key—Lead Test of the Corotoman Reuse Hypothesis for the Stone Floor of Colonial Christ Church (Irvington, VA)

6-g Elizabeth Leclerc—Giving Form to Flow: Modeling Paleohydrology in North-Central Coastal Peru

6-h Isaac Ullah—A Sediment Granulometry Approach to Anthropogenic Landscape Impacts
[7] **Poster Session: Archaeology of California and The Great Basin**

**Participants:**

7-a John Pryor and Shelby Jones-Cervantes—Burning Down the House: A Project that Is an Intersection of Tribal and Academic Interests


7-c Taryn Johnson and Anna Linderholm—The Prehistoric Diet: Genomic Analysis of Bonneville Estates Paleofeces, Nevada

7-d Megan McGuinness—Where to Inhabit First? Interpreting Western Stemmed Tradition Land-Use with the Ideal Free Distribution Model in Lake County, Oregon

7-e Bryna Hull, Jelmer Eerkens and Reba Fuller—Exploring Hunter-Gatherer Mobility Using Sulfur, Carbon, and Nitrogen

7-f Kaley Tucker, Lisbeth Louderback and Erick Robinson—Evidence for Geophyte Exploitation in the Green River Basin of Wyoming

[8] **Poster Session: Present and Significant Matters in Archaeology**

**Participants:**

8-a Abigail Musch and Anna Semon—Unprecedented Times Lead to New Internship Strategies

8-b Sarah Giffin, Vanessa Armenta and Leah Grant—Veterans Curation Program in the Time of Corona

8-c Rosemary Lieske Vides—Entanglement and Colonial Power: A Geophysical Case Study of Settlement Patterns at Ciudad Vieja, El Salvador

8-d Eve Dewan, Brandon Gilliland, Lindon Hylton and Angelina Howell—Conscious Conservation in an Era of Catastrophe

8-e Matthew Gush—Visual Storytelling for a Modern Age

[9] **Poster Session: Advances in Bioarchaeology and Skeletal Analyses**

**Participants:**

9-a Marta Alfonso-Durruty, Nicole Misarti and Andres Troncoso—Stable Isotope Evidence of Dietary Trends among Prehistoric Populations from the Semiarid Region, Chile

9-b Elizabeth Johnston and Michael Buckley—Use of Proteomic Methods for Biological Age Estimation at Death

9-c Leslie Fitzpatrick—Stable Isotopic Examination (δ¹⁸O, δ¹⁵N, δ¹³C) of Human Remains from the Santa María de Zamartze, Uharte-Arakil Municipality, Navarre Region, Spain
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Poster Sessions

9-d Jennifer Dewey—Osteobiographical Investigations: The Case of Anomalies in the Spine

9-e Kaelyn Olson—A Statistical Exploration of Differences in Skeletal Element Prevalence Between Primary and Secondary Burials

[10] Poster Session: Topics in Digital Archaeology
Participants:
10-a Grant Snitker, Sean Bergin and Pete Cadena—R-Based Solutions for Synthesizing Cultural Resource Survey Data to Assess Changing Land-Use Patterns in the Okanagan-Wenatchee National Forest, WA

10-b William Whitehead—Recent UAV Data Collection and Integration with Traditional Archaeological Methodologies


10-d Justin Soares and Rui Mataloto—Metallic Motivations? Using GIS to Determine the Role of Metal and Mineral Resources in Changing Settlement Location Preferences between the Bronze and Iron Ages in Evora, Portugal (2200 BCE–400 CE)

10-e Keri Porter, Kaelyn Olson and Andrea Lopez—Free Photogrammetry: The Accuracy and Application of Open-Source SfM Software

10-f Andrea Carvey—Augmented Reality and Virtual Reality Applications in Archaeology

10-g Ted Parsons—Recent Developments in Small and Low-Cost 3D Scanning Systems [Withdrawn]

10-h Gabriela De la Puente-León, Sarah Coon, Francesca Fernandini and Erik Otárola-Castillo—Modeling Early Human Migration Patterns in South America: A Preliminary Spatial Analysis on the Peruvian Coastline Using Machine Learning and Bayesian Statistics

10-i Paula Hertfelder, Alejandra Abrego and Cinthia Campos—Integrating UAV-Based Photogrammetry, Digital Data Collection, and GIS during the Trincheras Tradition Project Excavations

Participants:
11-a Anna Semon—Surveying New York City Collections at the American Museum of Natural History

11-b Michael Smith and Aundria Arneson—The Growth Trajectories of Mesoamerican Cities [Withdrawn]

11-c Brian McKee, Fernando Zuleta, Katherine Cera and Christopher Taylor—Cerro Coroban: A Contact Period Lenca Site in Eastern El Salvador
Poster Sessions

[12] **POSTER SESSION ■ NORTH AMERICAN MIDWESTERN ARCHAEOLOGY**

Participants:
12-a Devin Henson and Olivia Navarro-Farr—Reconsidering the Late Woodland: A Critical Reassessment through Decolonizing Approaches
12-b Melissa Torquato and Erik Otárola-Castillo—The Effects of Regional Climate Change on the Foraging-Farming Transition in Eastern North America
12-c Alecia Schrenk—Chronic Care in the Archaic Midwest: A Bioarchaeological Analysis of Healthcare Provisioning and Chronic Illness at Carrier Mills, IL (6000–3000 BC)

[13] **POSTER SESSION ■ ZOOARCHAEOLOGICAL ANALYSES FROM EUROPE AND NORTH AND SOUTH AMERICA**

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

[14] **POSTER SESSION ■ CURRENT RESEARCH IN MORTUARY ARCHAEOLOGY**

Participants:
14-a Alexandra Ritter, Paloma Cuello del Pozo and José Peña—Preliminary Study of Dental Health among Coastal Population at the Site of the Santo Domingo Cemetery in Huarmey, Peru
14-b Hannah Haynes and J. Marla Toyne—Surrounded by the Dead: A Spatial Analysis of Kuelap’s Mortuary Practices, Chachapoyas, Peru
14-c Sara Jungst, Sarah Rowe and Guy Duke—A Manteño Burial from Buen Suceso, Ecuador
14-d Sarah Jolly—The Bones of a Community: Mortuary Contexts over Time at Waywaka (Andahuaylas, Peru)
Poster Sessions

15  POSTER SESSION: ANDEAN ARCHAEOLOGY. THE FORMATIVE PERIOD

Participants:
15-a  Rachel Johnson and Jason Nesbitt—A Comparison of Ceramic Compositions from Canchas Uckro (Ancash) and the Cave of the Owls (Huánuco), Peru: Implications for an Upper Amazon Interaction Sphere
15-b  Stefanie Wai—Mapping Pottery: Tracking Technological Style on the Taraco Peninsula, Bolivia
15-c  Caleb Ranum—Plant Use in the Platform-Chamber Complex: A Paleoenvironental Study of Structure 1 at Alto Pukara, Taraco Peninsula, Lake Titicaca, Bolivia
15-d  Amanda Brock—Exploratory Mapping of Relationships between Late Preceramic Monuments and their Dynamic Environment in the Callejón de Huaylas, Peru

16  POSTER SESSION: ANDEAN ARCHAEOLOGY. MIDDLE HORIZON THROUGH LATE HORIZON

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

17  POSTER SESSION: CONTRIBUTIONS TO ARCHAEOLOGY IN SOUTHEASTERN UNITED STATES

Participants:
17-a  Kyle Freund, Silvia Amicone, Beatrice Boese, J. M. Adovasio and Allen Quinn—Petrographic Analyses of Prehistoric Ceramics from the Sexton Site (8IR01822), Indian River County, Florida
17-b  Charles Rainville and Asa Randall—Geospatial Investigations into a Woodland Period Post Mold Alignment at the Silver Glen Springs Archaeological Complex, Florida
17-c  Victoria Pavlovics, Courtney Sprain, Lindsay Bloch and Neill Wallis—Rock Magnetic Characterization of Florida Pottery
[18] **Poster Session: Contributions to Pacific Islands Archaeology**

**Participants:**
18-a Joseph Effingham and Samantha Blatt—Dental Morphology of the Prehistoric Chamorro, Guam
18-b Amy Brown—Community Training and Traditions: Accessing Archaeological Methodology in Creating a Baseline for Trail Stewardship

[19] **Poster Session: Ethnography and Ethnohistory in Archaeology**

**Participants:**
19-a Emma Abell—Spaces of Control: Medical Practices within the US Army (1890–1950)
19-b Camille Johnson, Rachel Kaufman, Cecelia Turkewitz and Rohan Walawalkar—Exposing Our Roots: Trinity University’s Legacy of Slavery
19-c Megan Binkley—Late Mesolithic Foodways in Arctic and Subarctic Zones: An Ethnoarchaeological Approach
19-d Michael Adler—A Cache of Colonial Period Religious Medallions from Picuris Pueblo, New Mexico
19-e Gerard Smith—Household Archaeology of Shaw Creek, Alaska
19-f Ben Ford and William Chadwick—Preliminary Results from Newport Site (36IN188)
19-g Joanne Gallagher, Michael Padian, Abby Barrios and Brianna King—Green Rush Archaeology: An Overview of Cultural Confirmation and Economic Opportunities

[20] **Poster Session: Historic Archaeology Throughout North America**

**Participants:**
20-a Christine Halling and Ryan Seidemann—Unidentified Oddity of the Petrous Portion of the Temporal Bone: A Case Study from a Historic Cemetery in Louisiana
20-b Alex Garcia-Putnam, Christine Halling and Ryan Seidemann—From Person to Specimen: Exploring the Necroviolence of Medical “Progress” from Charity Hospital Cemetery #2, New Orleans, LA (1847–1929)
20-c Troy Lovata—Contemporary Wickiups in the Mountains of Northern New Mexico
20-d Linda Scott Cummings—What’s in a Microscopic Signature? Can We See Social Acceptance and Resistance?
20-e Corinne Taylor, Megan Perry and Robert Tykot—Reconstructing the Childhood Diet of an Eighteenth- to Nineteenth-Century North Carolina Land-Owning Family
20-f Lauren Hosek and Katelyn Bajorek—Worn Down: Dental Attrition and Dietary Differences at an Early Medieval Settlement in Central Europe
Posters Sessions

20-g Ruth Troccoli, Christine Ames and Delande Justinvil—Pandemic2: Archaeology of the 1832 Cholera Epidemic in Washington, DC

[21] Poster Session Perspectives in Lithic Analysis

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

[22] Poster Session Classic Maya Archaeology, Part I

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

[23] **Poster Session | Classic Maya Archaeology, Part 2**

*Participants:*

23-a Scott Fedick and Louis Santiago— Evaluating the Food Values of Alternative Crops and Implications for Drought Effects on the Ancient Maya [Withdrawn]

23-b Luke Stroth, Mario Borrero and Geoffrey Braswell— Plant Use in Elite Domestic Context at Nim li Punit (AD 150–830), Belize

23-c Jeffrey DeMario— A Petrographic Analysis of Ceramics from the Prehistoric Maya Site of Hun Tun in Northwestern Belize

23-d Sherman Horn and Anabel Ford— Terraces, Quarries, and Berms, Oh My! Evaluating Land Use and Landscape Modification at the Ancient Maya City El Pilar

23-e Cady Rutherford and Marisol Cortes-Rincon— Craft Production and Economic Integration in Hinterland Households [Withdrawn]

23-f Olivia Ellis, John Walden, Victoria Izzo, Kirsten Green Mink and Jaime Awe— A Diachronic Analysis of Gender Based Mortuary Practices in the Belize River Valley

23-g Gabriela Saldaña, Tia Watkins, Rosamund Fitzmaurice, Adam Jurský and Julie Hoggarth— Analysis of the Built Environment of the Group B Acropolis at Baking Pot: Results of the 2019 Field Season

23-h Ian Roa, John Walden, Michael Biggie, Gavin Wisner and Rafael Guerra— Reconstructing Diachronic Changes in Subsistence, Wealth, and Economic and Ritual Practices through Animal Use at the Classic Maya Polity of Lower Dover, Belize

[24] **Poster Session | Contributions to African Archaeology**

*Participants:*

24-a Frederick Coolidge— A Neurobiological Explanation for Spheroids as Embodied Cognition

24-b Angela Feak, Brian Stewart, Genevieve Dewar and John Kingston— Tracking Paleoaridity through Multi-isotope Analyses of Ostrich Eggshells at Spitzkloof Rockshelter A, South Africa [Withdrawn]

24-c Albert Waters, John Vandergugten and Gavin Donathan— A 3D Interactive Model of Spitzkloof D Rockshelter, Namaqualand, South Africa

24-d Brady Kelsey, Steven Brandt, Elisabeth Hildebrand and Gary Stinchcomb— Diachronic Changes in Late Pleistocene Ochre Technology at Mochena Borago Rockshelter, SW Ethiopia
Poster Sessions

[25]  **Poster Session: Important Topics in Cultural Resources and Heritage Management**

Participants:
25-a Jim Railey—Stone Rings, Stone Piles, and Native Americans in Far Southeastern New Mexico
25-b Dorothy Lippert, Desireé Martinez and Michael Wilcox—Assessing Knowledge of Native American Tribes and Their Heritage: An Interactive Poster
25-c Claire Ebert, Antonio Beardall, Tia Watkins, Julie Hoggarth and Jaime Awe—Community Building and Engagement through Maya Archaeology: Challenges, Successes, and Future Goals for the Belize Valley Archaeological Reconnaissance (BVAR) Project
25-d Katherine Seikel, Mindy Bonine and Timothy Griffith—The Headwaters Site: Preliminary Site Analysis and Featured Finds
25-e Courtney Birkett—Site Monitoring and Erosion at Fort Eustis, Virginia
25-g Ellen Lofaro and Anne Amati—Let’s Talk about a NAGPRA Community of Practice

[26]  **Poster Session: Methods and Practice in Ancestral Puebloan Archaeology**

Participants:
26-a Vincent MacMillan, Mark Varien, Grant Coffey, Steve McCormack and Daryl Crites—UAV Lidar Mapping Sand Canyon Pueblo: Technical Collaboration for Site Visualization and Reassessment
26-b David Witt—Remote Sensing of Chacoan Roads in the Middle San Juan Region
26-c Emily Edmonds and Debra Martin—Life in the Cliffs: Analysis of Health and Trauma in Ancestral Puebloan Populations from Mesa Verde
26-d Kari Schleher, Michelle Turner, Benjamin Bellorado, Mariana Lujan Sanders and Genevieve Woodhead—Lumping and Splitting: Design Variation on Mancos Black-on-white Pottery in the Central Mesa Verde Region
26-e Megan Laurich and Chrissina Burke—Prehistoric Pets: An Examination of the Human-Dog Relationship in the American Southwest
26-f Sean Field, Donna Glowacki and Timothy Hovezak—The Far View Archaeological Project: An Introduction
26-g Eric Gilmore, Maxwell Benning, Mitchell Cleveland, Chrissina Burke and Megan Laurich—Let’s Cut to the Chase: An Analysis of Experimental and Archaeological Data in the Process of Butchery
26-h Maxwell Benning, Eric Gilmore, Mitchell Cleveland, Chrissina Burke and Kelsey Gruntorad—Opportunity in the Garden: An Analysis of Zooarchaeological Materials from Southwest Agricultural Sites
Poster Sessions

26-i Alexandra Covert—From Water to Land: Analysis of Prehistoric Shell at Wupatki Pueblo

26-j Dylan Schwindt, Kari Schleher, Michelle Turner, Grant Coffey and Benjamin Bellorado—Using Computer Vision and Deep Learning Algorithms to Predict Pottery Types: An Example Using Ancestral Pueblo Pottery from the Central Mesa Verde Region

26-k Katherine Portman and Kelsey Reese—A Geospatial Assessment of Reservoirs and Nearby Communities on the Mesa Verde North Escarpment


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

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

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

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

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

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

[28] Poster Session: Experimental Archaeology: Current Findings

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

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

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

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

28-e Maria Gutierrez, Nahuel Scheifler, Cristian Kaufmann, Daniel Rafuse and Agustina Massigoge—Bone Modification Pattern Produced by the South American Carnivore Lesser Grison (*Galictis cuja*)
28-f  Catherine Brun, Julien Riel-Salvatore, Claudine Gravel-Miguel, Fabio Negrino and Jamie Hodgkins—Experimental Archaeology as a Method to Replicate the Ornaments of the Arma Veirana Burial: Overview of the Ongoing Experiments

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

Participants:
29-a  Brady Liss, Matthew Howland, Anthony Tamberino, Scott McAvoy and Thomas Levy—Archival Photogrammetry: Repurposing Excavation Photographs to 3D Model Previous Excavations in Faynan, Jordan
29-b  Sophia Barrett, Samantha Mackertich and Kathryn Baustian—Reassessing Demography of the Bronze Age Tomb at Tell Abraq (UAE): Using Multiple Bone Elements from a Commingled Context
29-c  Melanie Miller, Yu Dong, Kate Pechenkina, Wenquan Fan and Sian Halcrow—Dietary Histories in Early China: Gender and Food in Urban and Rural Eastern Zhou Communities (771–221 BCE, Ancient Zhenghan City, China)
29-d  Manasij Pal Chowdhury, Stuart Campbell and Michael Buckley—What's Cooking? A Proteomic Approach to Analyze Ceramic Residues from Tell Khaiber I
29-e  Angelo Robledo, Alan Farahani and Bruce Routledge—Change and Adaptation in Stone Tool Technology in Jordan ca. 1000 BCE [Withdrawn]
29-f  Kelley Esh, Allison Campo, Kimberly Maeyama and Anthony Hewitt—A Bird’s-Eye View: Utilizing Wartime Aerial Imagery to Recover the Remains of a US Service Member from the Vietnam War
29-g  Marie LeRoux and Alison Carter—Spindle Whorls from Angkor Borei, Cambodia
29-h  Blair Heidkamp, Anya Gruber, Manda Adams, Mercedes Wong and Arlene Rosen—Holocene Perspectives from the Gobi Desert: New Paleoethnobotanical and Geoarchaeological Analyses at Delger Khan Uul, Mongolia

[30]  **POSTER SESSION** MESOAMERICAN ARCHAEOLOGY: CURRENT WORK IN CENTRAL MEXICO

Participants:
30-a  Rudolf Cesaretti, Carlos Cordova and Charles Frederick—Analysis and Implications of Postdepositional Bias in the Basin of Mexico (BOM) Surveys: A Preliminary Case Study of the Texcoco Survey Region
30-b  Blaine Burgess, Jeffrey Ferguson and Shannon Fie—Obsidian Technologies at the La Magdalena Site in the Eastern Bajio of Guanajuato, Mexico
30-c  Destiny Crider, Daniel Pierce, J. Heath Anderson and Michael Glascock—Revisiting Tula, Hidalgo Epiclassic Ceramics: Progress and Recent NAA Results
**Poster Sessions**

30-d Thomas Lobato—Burials and Society at Teotihuacan: Examining Inequality through Burial Offerings in Residential Contexts

30-e Trinity Crawford, Anne Sherfield and Michael Smith—Standardization of Apartment Compounds at Teotihuacan, Mexico

30-f Susan Evans—Pathways to Power: The Aztec Empire in Six Emperors and Seven Maps

30-g Robin Singleton, Karissa Hughes, Ron Van Den Bussche, Nawa Sugiyama and Courtney Hofman—Captive Management and Sacrificial Power: Using Ancient Genomics to Study Animal Sacrifice in Teotihuacan

30-h Alicia Torres Porras, Patricia Plunket and Gabriela Uruñuela—Explorando la transición del Posclásico a la Colonia en Cholula, Puebla: 1519–1540

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**[31]** Poster Session: Formal Models and Experimental Archaeology of Ground Stone Milling Technology

*Chair: Tammy Buonasera*

**Participants:**


31-b Meredith Carlson, Christopher Beckham, Caleb Chen and Peiqi Zhang—Modeling Time Investment Trade-Offs for Stone and Wooden Mortars

31-c Caleb Chen, Meredith Carlson, Peiqi Zhang, Daniel Goring and Tammy Buonasera—Comparing Energy Expenditures of Mortar and Pestle and Grinding Slab Technologies

31-d Kyle Palazzolo—When Mortars Speak Volumes: Assessing the Influence of Mortar Cavity Size on Processing Efficiency

31-e Funda Ugras, Tamer Mertan, Müge Ergun, Tammy Buonasera and Mihriban Özbasaran—Comparing Technological Choices for Grain Processing at Aşıklı Höyük, an Early Neolithic Village in Turkey: Experimental Removal of Chaff from Barley (*Hordeum vulgare*)

31-f Peiqi Zhang, Caleb Chen, Christopher Beckham, Daniel Goring and Meredith Carlson—Manufacturing Costs of Long Pestles in Late Period Central California: Results from Replicative Experiments
[32]  **POSTER SESSION**  
**NSF REU SITE: EXPLORING GLOBALIZATION THROUGH ARCHAEOLOGY 2019–2020 SESSION, ST. EUSTATIUS, DUTCH CARIBBEAN**  
**Chair:** Todd Ahlman

**Participants:**

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

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

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

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

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

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

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

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

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

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

32-k  Mara Fields, Todd Ahlman, Grace Tolan, Jon Russ and Stephen Carmody—Residue Analysis of Clay Tobacco Pipes from an Eighteenth-Century St. Eustatius Plantation
[33] **Poster Session: CURRENT ZOOARCHAEOLOGY: NEW AND ONGOING APPROACHES**  
(Sponsored by Zooarchaeology Interest Group)  
**Chair:** Justin Cramb

**Participants:**

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

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

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

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

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

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

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

33-h Haley O’Brien—Human vs. Nonhuman Bone: A Nondestructive Histological Instrument

33-i Susan Lagle, Laura Niven and Teresa Steele—Updating and Reevaluating Faunal Datasets from Quina Mousterian Levels at Jonzac and Pech de l’Azé IV by Incorporating Screened Materials

[34] **Poster Session: McDonald Creek and Blair Lakes: Late Pleistocene-Holocene Human Activity in the Tanana Flats of Central Alaska**  
**Chairs:** Kelly Graf and Julie Esdale

**Participants:**

34-a Aureade Henry, Julie Esdale and Kelly Graf—New Archaeobotanical Data from the Late Pleistocene Occupations of McDonald Creek

34-b Laurence Forgeth Brisson, Michel Lamothe, François Hardy and Kelly Graf—Contributions of IRSL to the Issue of Initial Settlement in the New World: The Case of the McDonald Creek Archaeological Site

34-c Julie Esdale and Kelly Graf—Spatial Arrangement of the Northern Archaic Component at the McDonald Creek Site, Central Alaska
Poster Sessions

34-d Lyndsay DiPietro and Kelly Graf—Micromorphological Analysis of Deposition, Pedogenesis, and Stratigraphic Integrity at the McDonald Creek Site, Central Alaska

34-e Joshua Lynch—Holocene Occupations of the Blair Lakes Archaeological District

34-f Kelly Graf, Julie Esdale, Ted Goebel, Nathan Shelley and Thomas Urban—Stratigraphy and Radiocarbon Chronology at McDonald Creek: A Multicomponent Pleistocene-Holocene Site in Central Alaska

34-g Bryan Hockett—Preliminary Analysis of the Fauna from the McDonald Creek Site

34-h Angela Gore—Geochemical Characterization and Raw Material Procurement at McDonald Creek, Alaska

34-i Nathan Shelley and Kelly Graf—A Preliminary Spatial Analysis of the Late Pleistocene Components at the McDonald Creek Site, Interior Alaska

34-j Ted Goebel—Interpreting Technological Activities and Organization at McDonald Creek, Central Alaska, ca. 13,900 Calendar Years Ago

[35] Poster Session: Beyond Triage: Prioritizing Responses to Climate Change Impacts on Archaeological Resources

(Sponsored by CCSAR)

Chairs: Carole Nash and Heather Wholey

Participants:

35-a Carole Nash—Prioritizing What We Don’t Know: Climate Change as a Catalyst for Upland Survey

35-b Anne Jensen—Vulnerability and Values: Things to Consider for Site Prioritization

35-c Scott Seibel—The Water and the Land: How the Private Sector and Government Work Together to Plan for Climate Change Impacts to Cultural Resources

35-d Alice Kelley, Bonnie Newsom, Jacquelynn Miller and Kristin Schild—So Many Sites, So Little Time: Shell Heaps on the Maine Coast

35-e Heather Wholey, Daria Nikitina and Katherine Dowling—Prioritizing Site Loss in the Delaware Bay, USA, Using Probabilistic Modeling

35-f Chris McDaid, Patrick Barry and Courtney Birkett—Monitoring, Planning, and Treating Archaeological Sites for Climate Change

35-g Stephanie Bergman, Kelsey Reese, Anastasia Steffen and Nicholas Jarman—First Came the Fires: Valles Caldera Landscape Futures in a Changing Climate
[36] **POSTER SESSION GEOARCHAEOLOGY RESEARCH**  
*(Sponsored by Geoarchaeology Interest Group)*  
**Chair:** Edward Herrmann  
**Participants:**  
36-a Miriam Rothenberg, Laurel Bestock and Christian Knoblauch—Micromorphological Approaches to Daily Life and Cultural Interaction at Uronarti Fortress, Sudan  
36-b Jasmine Kidwell—Unpacking the Geoarchaeologist's Geospatial Tool Bag: A Case Study Using Predictive Modeling on the Central Coast, Pismo Beach, California

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

[38] **POSTER SESSION APPLYING THE POWER OF PARTNERSHIPS TO THE SEARCH FOR AMERICA'S MISSING IN ACTION**  
**Chairs:** Jesse Stephen and Joshua Toney  
**Participants:**  
38-a Jesse Stephen and Joshua Toney—Applying the Power of Partnerships to the Search for America's Missing in Action  
38-b Jarrod Burks and Albert Pecora—The Last Great Escape: Recovery of 1st Lt. Ewart Sconiers, an American World War II Bombardier Imprisoned at the Stalag Luft III POW Camp
### Poster Sessions

#### 38-c
Alex DeGeorgey, Kevin Dalton and Carly Whelan—Shared Heritage: World War II American Military Loss Sites in Europe

#### 38-d
Alison Elgart and Heather Walsh-Haney—In Search of MIA from One Fateful Day in 1943: Florida Gulf Coast University Partners with the Defense POW/MIA Accounting Agency (DPAA) to Bring Servicemen Home

#### 38-e
Stephen Humphreys, William Griswold and Steve Roskams—An Aircraft Search and Recovery Mission in Southern England: A Case Study in Rehabilitation Archaeology

#### 38-f

#### 38-g
Katharine Kolpan and Nicholas Passalacqua—Forensic Archaeology Fieldwork as a High-Impact Practice

#### 38-h

#### 38-i
Marilyn London and Adam Fracchia—University of Maryland Forensic Aviation Archaeology Field School

#### 38-j
John Monaghan, Caleb Kestle, James Meierhoff, David Reid and Richard Elliot—Enquête for a Geographic Approach to the Recovery of MIAs in the Philippines

### [39] Poster Session: People, Climate, and Proxies in Holocene Western North America

**Chairs:** Steven Hackenberger and Mark Hall

**Participants:**

#### 39-a
Paul Allgaier, D. Craig Young, David Zeanah, Robert Elston and Brian Codding—Paleoindian Settlement of the Central Great Basin: Testing Environmental, Radiocarbon, and Lithic Proxies with Data from Grass Valley, Nevada

#### 39-b
David Thomas and Erick Robinson—Impacts of Abrupt Climate Change Events on Human Paleodemography in the Great Basin

#### 39-c

#### 39-d
Kurt Wilson, Daniel Contreras, Joan Coltrain, D. Craig Young and Brian Codding—Evaluating the Impacts of Past Climate Change on Demographic and Subsistence Patterns in the Basin-Plateau Region of Western North America

#### 39-e
Daniel Contreras, Brian Codding, D. Craig Young, Paul Allgaier and Roxanne Lois Fajardo Lamson—Addressing Taphonomic Complications in the Use of Archaeological Radiocarbon Assemblages as Population Proxies: A Case Study in the Bonneville Basin
Poster Sessions

39-f Steven Hackenberger, Tom Marceau, John Davis and David Babchanik—Radiocarbon Datasets, Population Proxies, and Climate Proxies: The Hanford Reach and the Yakima Fold Belt, Columbia Plateau

39-g James W. Brown, James Chatters, Anna Prentiss and Steven Hackenberger—Impact of Paleoclimate Variation on the Settlement History of the Columbia-Fraser Plateau through the Use of Summed Radiocarbon Probability Distributions

39-h Adam Rorabaugh and Amanda Taylor—Assessing Settlement Dynamics in the San Juan Islands and Northwestern Washington, a Bayesian Approach


39-j Brandon McIntosh and Kristin Corl—What Late Formative Period and Modern Jackrabbits (Lepus californicus) Tell Us about Climate Change in the Southeastern Southwest

[40] Human Origins Migration and Evolution Research Consortium Poster Symposium

Chairs: Jayde Hirniak and Hannah Keller

Participants:

40-a Kelsey Radican, Alejandra May, Jennifer Miller, Jessica Thompson and Elizabeth Gomani-Chindebu—Bead Production of the Later Stone Age in Northern Malawi

40-b Annalys Hanson, Jessica Thompson, Jessica Cerezo-Román, Jay Stock and Potiphar Kaliba—Mortuary Practices of Later Stone Age Hunter-Gatherers in Northern Malawi

40-c Hannah Keller, Fabio Negrino, Claudine Gravel-Miguel, Naomi Cleghorn and Jamie Hodgkins—A Taphonomic Comparison of Two Late Pleistocene Zooarchaeological Assemblages in Northwest Italy and South Africa

40-d Brian Fahey, Kelsi Stroebel, Olivia Boss and Curtis Marean—Systematic Differences in Sieved and Point-Provenienced Fauna Ecofacts from PP5–6, South Africa

40-e John Murray, Scott Keohane and Andrew Zipkin—Experimental Identification of Heat-Treated Silcrete Using Colorimetry and Reflectance Spectrophotometry

40-f Nicolas Hansen, John Murray, Alexa Ferrer, Hanah Edington and Kathryn Ranhorn—Variation in Response to Heat-Treatment in Jasper from the Perkinsville Valley, Arizona
Poster Sessions

[41] Poster Session: Experimental Archaeology in Range Creek Canyon, Utah

Chair: Shannon Boomgarden

Participants:

41-a Shannon Boomgarden, Brendan Ermish, Jordin Muller, Corinne Springer and Stefania Wilks—Actualistic Experiments in Archaeology: Farming and Storing Maize in Range Creek Canyon, Utah

41-b Corinne Springer and Shannon Boomgarden—Experimental Archaeology Applied to Archaeological Investigations in Range Creek Canyon: Emery and Carbon Counties, Utah

41-c Stefania Wilks, Lisbeth Louderback and Shannon Boomgarden—Starch Granule Size and Morphology as a Proxy for Water Influence on Zea mays

41-d Brendan Ermish and Shannon Boomgarden—Maize: Phenotypic Response to Variable Depth Water Input

41-e Jordin Muller, Shannon Boomgarden and Brendan Ermish—2019 Range Creek Excavation
Thursday Morning • April 15, 2021

[42] **Symposium: Celebrating 20 Years of Support: Current Work by Recipients of the Dienje Kenyon Memorial Fellowship for Zooarchaeologists**

*Time:* 8:00 a.m.–9:00 a.m.

*Chair:* Todd Koetje

**Participants:**

8:00 Briana Pobiner, Laurence Dumouchel and Jennifer Parkinson—A New Semi-quantitative Method for Identifying Carnivore-Specific Chewing Damage Patterns

8:15 Arianne Boileau—The Inside/Outside Connection: A Spatial Analysis of Faunal Remains from Contact Period Maya Elite Structures at Lamanai, Belize

8:30 Weronika Tomczyk and Nathan Acebo—In a Shade of Colonial Expansion: The Subsistence Strategies and Consumption Practices in Black Star Canyon, Southern California

8:45 Allison Wolfe—Avifauna of the Bonneville Basin: Past Variation and Future Conservation

[43] **General Session: Gender in Archaeology: Contemporary Discussions**

*Time:* 8:00 a.m.–9:00 a.m.

*Chair:* Nathan Klembara

**Participants:**

8:00 Andrea Lopez—Where We Are Five Years Later: A Reexamination of Gender Disparities in Publication Trends in North American Archaeological Journals

8:15 Samantha Lagos—Where My Ladies At? The Fight to Erase the Gender Gap in Publication

8:30 Julie Hoggarth, Tia Watkins, Claire Ebert and Sylvia Batty—The Impacts of the Coronavirus Pandemic on Women in Archaeology

8:45 Nathan Klembara—The Foundations of a Queer Philosophy of Science: Is Archaeology the Answer?

[44] **Symposium: Identity, Interpretation, and Innovation: The Worlds of Islamic Archaeology**

*Time:* 8:00 a.m.–9:30 a.m.

*Chair:* Ann Merkle

**Participants:**

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

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

**Time:** 8:00 a.m.–10:45 a.m.

**Chairs:** Stephen Berquist and Andrew Roddick

**Participants:**
8:00 Stephen Berquist—Discussant
8:15 Edward Swenson—Cosmopolitics and Community Reformation in Middle Horizon Jequetepeque
8:30 Veronique Belisle—Beyond Wari Empire and Inka Analogy: Refining Reconstructions of Wari Power in Middle Horizon Cusco
8:45 Beth Scaf, Aleksa Alaica, Luis Gonzalez La Rosa and Kelly Knudson—Local People and the Circulation of Nonlocal Animals and Objects: Rethinking Interregional Mobility in the Arequipa Yunga during the Circum-Wari Era
9:00 Justin Jennings, Matthew Biwer and Christina Conlee—Wari and the Southern Peruvian Coast: A Reevaluation
9:15 Stanislava Chavez—Political Organization of the Tiwanaku Polity: A View from Copacabana
9:30 Andrew Roddick and Erik Marsh—What Was Tiwanaku, Really?
9:45 Sara Becker—Anarchy, Heterarchy, and the Bioarchaeological Evidence of Labor in the Tiwanaku “State” (AD 500–1100) of Bolivia and Peru
10:00 Alexei Vranich—The End of Tiwanaku
10:15 Jason Yaeger—Discussant
10:30 Rod Campbell—Discussant

[46] **GENERAL SESSION: CONTEMPORARY CONCEPTS IN ANCESTRAL PUEBLOAN ARCHAEOLOGY**

**Time:** 8:00 a.m.–1:15 p.m.

**Chair:** Sachiko Sakai

**Participants:**
8:00 Kaitlyn Eldredge and Mary Striegel—Orange Skies Bring Red Rain: Understanding the Effects of Wildland Fire Chemicals to Cultural Resources
8:15  Jaye Smith and Jeffery Clark—Citizen Science in Action: Preserving the Ray Robinson Collection from the Safford Basin, Arizona
8:30  Erik Simpson—Rethinking the Pueblo II Period in the Upper San Juan Region of the American Southwest
8:45  Haley Dougherty—Is This a Sand Temper?
9:00  Andrew Munro and F. Joan Mathien—Bonito Phase Architectural Syntax and Social Change
9:15  Carol Patterson—Katsina Runners in Basketmaker II through Pueblo III Petroglyphs in the Northern San Juan Basin
9:30  Danny Sosa Aguilar—People, Piedras, and Pictographs: Collaborative Archaeology in Abiquiu, New Mexico
9:45  Jean Pike and Deborah Leishman—Deconstructing Hybrid Architectures: A Bayesian Methodology for the Analysis of Precontact Southwest Architecture
10:00 Benjamin Van Alstyne, Karen Harry and Daniel Perez—Archaeological Investigations at a Multicomponent Site on the Shiviwts Plateau
10:15 Sachiko Sakai—Reconstruction of the Site History of the “Zip Code Site,” a Large Puebloan Site at Mt. Trumbull Area in the Arizona Strip
10:30 Benjamin Bellorado—Dating Changes in the Fashion of Fancy Footwear in the Ancient Southwest: New AMS and Relative Dating of Twined Sandals in the Chaco and Post-Chaco Eras
10:45 Laura Brumbaugh—Community Structure in Times of Stress and Change: Communal Dining in the Northern Southwest
11:00 Matthew Schmader—First Contact, Pueblo Resistance, and Multiethnic Conflict on the Vázquez de Coronado Expedition of 1540–1542

GENERAL SESSION: USES OF SURVEY IN WORLDWIDE CONTEMPORARY ARCHAEOLOGY
Time: 8:00 a.m.—11:15 a.m.
Chair: Wolfgang Alders

Participants:
8:00  India Kotis—Writing on the Wall: Patterns of Discourse in Undergraduate Graffiti
8:15  Wolfgang Alders—Long-Term Settlement in Plantation Regions of Unguja, Zanzibar
8:30  Nobuyuki Ito—Un fragmento de estela con la fecha de Bak’tun 7 en Chalchuapa, El Salvador
8:45  Joel Klenck, Mohammed Sahib and Epifanie Suafo’a Tau’a’i—Archaeology of Luatele Crater: Ritual and Prestige of the Tuimanu’a, Ta’u Island, American Samoa
9:00  Ashuni Emmanuel Romero Butrón—From the Coast to the Jungle: Inventory and Record of Archaeological Sites in Puerto Morelos, Quintana Roo, Mexico
9:15  Stephen Janes—Results from Ground Surveys in the Southern San Juan Basin and the Identification of Additional Chacoan Regional Roads

9:30  Christophe Delaere and José Capriles—Lake Titicaca Underwater Offerings and the Ritualization of Bodies of Water during the Inca Period

9:45  Patricio López Mendoza, Rodrigo Loyola, Carlos Carrasco, Valentina Flores-Aqueveque and Antonio Maldonado—Early Occupations of the Late Pleistocene–Early Holocene in the Northern Highlands of the Semi-arid North of Chile

10:00 Lucas Kellett—The Settlement Ecology of Chanka Pastoralists in the Andahuaylas Region of Southern Highland Peru

10:15 Kaitlyn Davis—Pueblo Agricultural Adaptations to Socioeconomic Changes in New Mexico

10:30 Christopher Donta—The Narrow Point Tradition and Long-Term Continuity in the Northeast

10:45 Julia Earle and Lina Macedo Molina—Traditions of Tomb Construction during the Late Intermediate and Inka Periods (ca. 900–1532 CE) in the Vilcanota Valley, Peru

11:00 Dennis Nicolas Lorenzo—Interacción y cambio social en los medios de circulación del período Formativo Medio y Tardío en la zona altoandina de Lambayeque, Norte del Perú

[48]  **SYMPOSIUM Recent Multidisciplinary Investigations in the Mirador Basin, Guatemala**

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

**Time:** 8:00 a.m.–11:45 a.m.

**Chair:** Richard Hansen

**Participants:**

8:00  Ross Ensley, Richard Hansen, Carlos Morales-Aguilar and Josephine Thompson—Landscape of the Mirador-Calakmul Karst Basin


8:45  Richard Terry and Daniel Bair—Soil Chemical Analysis of the Floors of Walled Enclosures within the Mirador Basin

9:00  Sara Dalton—At the Gates of Xibalba: The Chultunob of El Mirador, Guatemala

9:15  Edgar Suyuc—La arquitectura preclásica de El Mirador: Vista desde la Acrópolis La Pava

9:30  AnaBeatriz Balcarcel, Richard Hansen, Carlos Morales-Aguilar and Juan Luis Velésquez—Games or Prehispanic Rituals? The Ball Courts of the Mirador Basin
9:45 Edgar Ortega and Gustavo Martinez—Aspectos constructivos del Grupo Cascabel
10:00 Dana Kollmann—Bioarchaeological Analysis of Preclassic Human Remains Recovered from a Lime Kiln, El Mirador, Guatemala
10:15 Josephine Thompson, Carlos Morales-Aguilar, Richard Hansen and Ross Ensley—Preclassic Settlement Patterns and Natural Topography in the Mirador Karst Basin of Northern Guatemala
10:30 Carlos Morales-Aguilar and Christophe Helmke—In the Land of the Codex-Style Ceramics: New Insights on Classic Maya Settlement Organization in Northern Petén, Guatemala
10:45 Maríca Chacon de Hernandez—Investigaciones en el Grupo Sereque, Complejo La Danta, El Mirador, Petén: Resultados 2015–2018
11:00 Thomas Schreiner—Production and Use of Lime for Preclassic Architecture and Causeway Construction in the Mirador Karstic Basin
11:15 Lorena González—Excavaciones en el Grupo Saraguate, Complejo La Danta, El Mirador
11:30 Richard Hansen—Discussant

[49] [SYMPOSIUM] Refining Archaeological Data Collection and Management to Achieve Greater Scientific, Traditional, and Educational Values (Sponsored by Arizona Army National Guard)

Time: 8:00 a.m.–11:45 a.m.

Chairs: Michael Heilen and Shelby Manney

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

[50] Symposium: The Palace of Xalla in Teotihuacan: A Possible Seat of Power in the Ancient Metropolis
Time: 8:30 a.m.—11:15 a.m.
Chair: Linda Manzanilla

Participants:
8:30 Linda Manzanilla—The Palace of Xalla at Teotihuacan: An Overview of a Multifunctional Palace
8:45 Alejandro Rosado-Fuentes, Linda Manzanilla, Alejandra Arciniega-Ceballos, Ana Soler-Arechalde and Claudia Arango-Galván—Geophysical Prospection in Xalla, Teotihuacan, Mexico
9:00 Laura Beramendi-Orosco, Linda Manzanilla, Ana Soler-Arechalde and Galia González-Hernández—A High-Resolution Chronology for the Palatial Complex of Xalla Combining a Bayesian Radiocarbon Model with Archaeomagnetic Ages
9:30 Adrian Velazquez, Norma Valentín and Belem Zúñiga—Archaeological Mollusks from Xalla
9:45 Gilberto Pérez-Roldán—La industria del hueso trabajado en un barrio y en un palacio de Teotihuacan: Teopancazco y Xalla
10:00 Emiliano Melgar and Reyna Solís—Archaeometry of the Lapidary of Xalla and the Identification of Teotihuacan Relics in Tenochtitlan
10:15 Edgar Rosales—Mica in Xalla: A Glittering Archaeological Indicator of Power and Specialized Production
10:30 Carlos López-Puértolas, Linda Manzanilla and María Vázquez-de Ágredos-Pascual—La tecnología del color en Xalla: Instrumentos, materias primas y procesos de manufactura
Program of the 86th Annual Meeting

Thursday Morning, April 15

All times are listed in Eastern Daylight Time

10:45  Rocío Jiménez González—Las figurillas cerámicas de Xalla, Teotihuacan
11:00  Takeshi Inomata—Discussant

[51]  SYMPOSIUM: DANCING THROUGH ICONOGRAPHIC CORPORA: A SYMPOSIUM IN HONOR OF F. KENT REILLY III
Time: 8:30 a.m.–11:30 a.m.
Chairs: Shawn Lambert, Bretton Giles and John Stauffer

Participants:
8:30  Annabeth Headrick—Sacrifice and the Sun: The Aztec Calendar Stone and Its Origins
8:45  Daniel Aquino and Juan Melendez—Of Snakes and Masks: A Contextual and Iconographic Study of Ancient Maya Greenstone Mosaic Masks
9:00  Michelle Rich, Matthew Robb and David Freidel—Jade Faces: Heirlooms and Emulations in Olmec and Maya Art
9:15  Madelaine Azar—Modeling the Cosmos: Making Sense of “Rim Rider” Effigy Bowl Iconography in the Central Mississippi River Valley
9:30  David Dye—Mississippian and Oneota Entanglements: Iconography and Ritual in the Lower Mississippi Valley
9:45  Bretton Giles, Brian Rowe and Ryan Parish—Symbolic and Iconographic Perspectives on the Burials from Mound 2 at the Hopewell Site
10:00 Jesse Nowak—Living Symbols from a Mythic Landscape: An Exegesis of the Apalachee Ballgame Story and Place-Making in Northwest Florida
10:15 Steve Boles—Cahokia’s Wandering Supernaturals: What Does It Mean When the Earth Mother Leaves Town
10:30 Joy Mersmann and John Stauffer—Center Posts, Thunder Symbolism, and Community Organization at Cahokia Mounds, Illinois
10:45 Shawn Lambert, Timothy Perttula and Nilesh Gaikwad—Production Matters: Organic Residue and Iconographic Evidence for Late Precolombian Datura Making in the Central Arkansas River Valley
11:00 Melinda Martin—Whirlwind of Power: Mississippian Tornado Iconography and Mythology
11:15 Frank Reilly—Discussant

[52]  GENERAL SESSION: NORTH AMERICAN ARCHAEOLOGY
Time: 8:45 a.m.–10:30 a.m.
Chair: David Massey

Participants:
8:45  Dawn Rutecki—Avian Iconography at Spiro Mounds
9:00  Christina Friberg, Elizabeth Watts Malouchos and Edward Herrmann—Assessing Complexity through Architectural Analysis at Angel Mounds
9:15  David Massey, Christina Friberg, Quinn Lewis and Edward Herrmann—Measures of Influence: Volumetric Assessment of Earthworks at Angel Mounds Using Drone-Based Lidar
9:30 Justin Reamer—"A River Runs through It": Reinterpreting Late Woodland Settlement Patterns in the Upper Delaware Valley

9:45 Robert Reynolds, Thomas Palazzolo, Ashley Lemke, John O'Shea and Sarah Saad—Deepdive: Using AI and Virtual Reality to Explore Ancient Submerged Civilizations

10:00 Adam Wiewel—Twenty-First-Century Archaeological Geophysics in the National Park Service


[53] SYMPOSIUM FROM THE PLAINS TO THE PLATEAU: PAPERS IN HONOR OF JAMES D. KEYSER
Time: 8:45 a.m.–11:30 a.m.
Chair: David Whitley

Participants:
8:45 James Keyser and David Kaiser—Decoding a Crow War Party Tally at 24ST560
9:00 Lawrence Loendorf—The Atlatl Motif in Rock Art
9:15 John Greer and Mavis Greer—Horses in East-Central Montana Rock Art: A Test for Crow, Blackfoot, or Other Ethnic Affiliation
9:30 Michael Bies and Linea Sundstrom—Recording and Interpreting Rock Art as a Volunteer
9:45 David Whitley—Ethnography of Salinan Rock Art
10:00 Ramón Fábregas Valcarce, Arturo de Lombera-Hermida, Marcos García-Diez, Xosé Pedro Rodríguez-Álvarez and Ramon Viñas—On the Margin, Marginal Too? A Western Outpost of Paleolithic Cantabrian Cave Art (NW Iberia)
10:15 Julie Francis and Mark Willis—The Black Rock Site: It's Not Just Paleolithic Rock Art
10:30 Radoslaw Palonka, Katarzyna Ciomek, Vincent MacMillan, Ross Gralia and Maiya Gralia—Archaeoastronomy, Beliefs, and Violence: Documentation, Methodology, and Visualization of Rock Art Panels from CANM, Colorado (USA)
10:45 Reinaldo Morales—Baumgarten's Aesthetica and the Rock Art of Northeast Brazil
11:00 Don Hann—Searching for Tobacco Man: Jim Keyser and the Ethnographic Analysis of Columbia Plateau Rock Art
11:15 James Keyser—Discussant
[54] General Session | Archaeologies of California and the Great Basin  
**Time:** 9:00 a.m.–11:15 a.m.  
**Chair:** Alexis Francois  
**Participants:**  
9:00 Nick Angeloff—The Archaeology of Cannabis in Humboldt County  
9:15 Kirsten Lopez—Fiber-Perishables Sourcing in the Northern Great Basin  
9:30 Michael Lenzi, William Bloomer and Zygmunt Osiecki—Late Pleistocene/Early Holocene Occupations on the Sierra Army Depot in Honey Lake Valley, California  
9:45 L. Brock James, Kaley Joyce, Kate Magargal and Brian Coddington—A Stone in the Hand Is Worth How Many in the Bush? Applying the Marginal Value Theorem to Understand Optimal Toolstone Transportation, Processing, and Discard Decisions  
10:00 Jacob Jepsen—Testing Multiple Geophysical Methods at Fremont Archaeological Sites  
10:15 Alaina Wibberly—Modeling the Mojave: Old Data, New Futures, and the Semiotics of Empty Space  
10:30 Leah Grant—Deep Creek Site (CA-SBR-176): Rehabilitating Legacy Collections with the Veterans Curation Program  
10:45 Sarah Noe—Change, Continuity and Foodways: Indigenous Diet at Mission Santa Clara (1777–1836)  
11:00 Alexis Francois—Health and Healthcare Management in a California Black Town

[55] Symposium | Increasing the Accessibility of Ancient DNA within Archaeology  
**Time:** 9:00 a.m.–11:30 a.m.  
**Chairs:** Jakob Sedig and Kendra Sirak  
**Participants:**  
9:00 Kendra Sirak and Jakob Sedig—Exploring Male Sex-Bias in Ancient DNA Research  
9:15 Meradeth Snow and Michael Searcy—Migrating Genes, or How to Avoid the Free-Ranging Genome  
9:30 Miguel Contreras-Sieck, Paola Everardo-Martinez, Paloma Constanza Huerta-Chavez, Alejandro Alvarado-Gonzalez and Victor Acuña-Alonzo—A Call for Contextualized Ancient DNA Research in Mexico: The Importance of Developing Ancient DNA Collaborations that Further Education and Technology Transfer and Infrastructure in Developing Countries: Perspectives from Mexico’s Experiences [Withdrawn]  
9:45 John Johnson—Linking the Past to the Present: Collaborative DNA Research with Native Californians
Thursday Morning, April 15

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All times are listed in Eastern Daylight Time

10:00  Douglas Owsley, Karin Bruwelheide, Éadaoin Harney, William Kelso and David Reich—Identifying Seventeenth-Century Africans and High-Status Englishmen at Jamestown, Virginia

10:15  Rodrigo Noreis, Nathan Nakatsuka, Pierre Luisi, Josefina Motti and David Reich—Genetic Change in South Patagonia over Seven Millennia

10:30  José Luis Punzo Díaz, Jakob Sedig, Alejandro Valdes Herrera and David Reich—First Results of the “Proyecto de investigación de poblaciones antiguas en el norte y occidente de México”

10:45  Nathan Nakatsuka, Vera Tiesler, Jakob Sedig and David Reich—Ancient DNA from Campeche, Mexico, Reveals a Socially Segregated Population in the First Two Centuries after Hispanic Contact

11:00  Nathan Wales—Integrating Grapevine Paleogenomics with Archaeobotanical Methods to Explore the History of Winemaking

11:15  Michael Frachetti—Discussant

[56]    LIGHTNING ROUND  MULTISCALAR APPROACHES TO EXTRAPOLATING SOCIOPOLITICAL BOUNDARIES IN THE MAYA LOWLANDS

Time: 9:15 a.m.—11:15 a.m.

Moderators: Amy Thompson and John Walden

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

[57]    FORUM  WOMEN IN THE SAA: ISSUES FOR THE NEW MAJORITY

Time: 9:30 a.m.—11:30 a.m.

Moderator: Alice Kehoe

Participants:
Anabel Ford—Discussant
Elizabeth Chilton—Discussant
Sara Gonzalez—Discussant
[58] SYMPOSIUM INFERENCE IN PALEOARCHAEOLOGY
Time: 10:00 a.m.–11:45 a.m.
Chairs: Zeljko Rezek and Sam Lin
Participants:
10:00 Philip Carr—An Organization of Technology Model and Archaeological Inference
10:15 Jessica Thompson—Is Analogical Reference Possible for the Earliest Paleoarchaeological Assemblages?
10:30 Sam Lin and Alex Mackay—The Role of Parsimony in Archaeological Inference Building
10:45 Ross Pain and Anton Killin—Cognitive Archaeology and the Minimum Necessary Competence Problem
11:00 Shannon McPherron—Fracture Mechanics, Virtual Knapper, and Controlled Experiments: Toward a Better Model of Flake Formation
11:15 David Braun—Early Pleistocene Behavior and Archaeological Inference: Insights from Experiments
11:30 Benjamin Davies and Matthew Douglass—Resilience and the Record: Suggestions for Application of Resilience Concepts to Archaeological Cases

[59] ELECTRONIC SYMPOSIUM PLACE-MAKING IN INDIGENOUS MESOAMERICAN COMMUNITIES PAST AND PRESENT
Time: 10:00 a.m.–12:00 p.m.
Chairs: Gabrielle Vail and Ronald Faulseit
Participants:
Ronald Faulseit—Making the Landscape Divine at Dainzú, Oaxaca, Mexico
Franco Rossi and Heather Hurst—Place-Making at the Los Arboles Complex of Xultun, Guatemala
Jacob Welch—Place-Making and Elite Maya Identity at Ucanha, Yucatán, Mexico
Dylan Clark—The Construction and Activation of Place at the Maya Port of Isla Cerritos
Josuhé Lozada, Joel Palka and Fabiola Sanchez—Mirador Mountain, Ritual Landscapes, and the Protohistoric Maya Community at Mensabak, Chiapas, Mexico
Maia Dedrick—Feast Days as Place-Making in Colonial Yucatán, Mexico
Rani Alexander—Landscapes of Inequality in Ebtun, Yucatán, 1800–1890
Christine Hernandez—The Role of History, Ancestry, and Alliance in the Place of Noxtepec, Guerrero, Mexico
Allen Christenson—Places of Emergence: Water and Cave Ceremonialism in the Tz’utujil Region
Judith Maxwell—Home Is Where the Rajawala’ Are: Making Habitable Space among the Kaqchikel and Other Maya
[60]  **Forum** Increasing Transparency in the SAA

**Time:** 10:00 a.m.—12:00 p.m.

**Moderator:** Michael Nassaney

**Participants:**
Sarah Herr—Discussant
Deborah Nichols—Discussant
Patricia Gilman—Discussant
Kelley Hays-Gilpin—Discussant
Elizabeth Pruitt—Discussant
Lynn Gamble—Discussant
Bonnie Pitblado—Discussant
Joe Watkins—Discussant
Karen Brunso—Discussant
Lee Clauss—Discussant
Chelsea Blackmore—Discussant
Terrance Weik—Discussant

[61]  **Symposium** The Preclassic Landscape in the Mopan Valley, Belize

**Time:** 10:00 a.m.—12:00 p.m.

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

**Participants:**
10:00  Zoe Rawski—Situating Early Xunantunich, Belize, in the Preclassic Landscape: A Synthetic Perspective from Structure F1
10:15  Victoria Ingalls—Ritual and Movement in the Preclassic Hinterlands of the Mopan River Valley
10:30  Borislava Simova—Tracing the Relationship between E Groups and Emerging Social Integration at the Site of Actuncan, Belize
10:45  M. Kathryn Brown and Rachel Horowitz—Investigations of a Preclassic E Group at Las Ruinas de Arenal, Belize
11:00  Alessandra Villarreal—Middle Preclassic Ceramic Distribution in Western Belize: A Comparative Study from Early Xunantunich
11:15  Tia Watkins, Jaime Awe and Claire Ebert—Monumentality, Politics, and Power: Implications of Recent Investigations of Late Preclassic Public Architecture at Xunantunich, Belize
11:30  Whitney Lytle—The Ancestors You Choose: The Role of Predecessors at Xunantunich, Belize Group D
11:45  George Bey—Discussant
[62] **Symposium: Raise Your Glass to the Past: An Exploration of the Archaeology of Beer**  
**Time:** 10:15 a.m.—11:45 a.m.  
**Chair:** Marie Hopwood  
**Participants:**  
10:15 Marie Hopwood—Teaching with Beer: An Archaeology of Beer in and outside of the Classroom  
10:30 John Arthur—Beer and Feasts in the Highlands of Southern Ethiopia: Ethnoarchaeological and Archaeological Perspectives  
10:45 Jason Kennedy—Work Is the Curse of the Drinking Class: Beer, Labor, and Class in the Ancient Near East  
11:00 Melissa Ayling—Pouring the Past: A Discussion of Authenticity in Re-created Ancient Ales  
11:15 Michael Homan—Discussant  
11:30 Justin Jennings—Discussant

[63] **Symposium: Aproximaciones arqueológicas y paleontológicas en Santa Lucía, México**  
**Time:** 10:30 a.m.—12:00 p.m.  
**Chair:** Ruben Manzanilla Lopez  
**Participants:**  
10:30 Jesus Cantoral Herrera and Ruben Manzanilla Lopez—Avances del proyecto de salvamento arqueológico en el nuevo Aeropuerto Internacional Felipe Ángeles  
10:45 Alberto Frutos and María Vasquez—Trabajos de recorrido de superficie y excavación en el sitio Santa Lucía 1, resultados preliminares de un hueco regional en la arqueología del noroeste de la cuenca de México  
11:00 Elihud Castillo Leal—Xaltocan, resultados preliminares del salvamento en la interconexión aeroportuaria  
11:15 Edgar Leal Hernandez and Jocelyn Salgado—Hallazgos paleontológicos dentro de la construcción del nuevo Aeropuerto Internacional Felipe Ángeles  
11:30 Marco Antonio Espinoza Sánchez and Aracely Yañez Nieto—Levantamiento de nube de puntos aplicado a contextos paleontológicos  
11:45 Samantha Espinosa and Blanca Iveth Castañeda Espinoza—Aproximaciones a la estratigrafía y la fauna marina durante el pleistoceno en el sur de la base aérea de Santa Lucía
Thursday Afternoon ■ April 15, 2021

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

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

[65] **SYMPOSIUM ■ THE BIG BEND COMPLEX: LANDSCAPES OF HISTORY**
**Time:** 1:00 p.m.–3:00 p.m.
**Chairs:** Emiliano Gallaga and Mark Howe

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

[66] **SYMPOSIUM ■ ARCHAEOLOGY IN THE XINGU RIVER BASIN: LONG-TERM HISTORIES, CURRENT THREATS, AND FUTURE PERSPECTIVES**
**Time:** 1:00 p.m.–3:15 p.m.
**Chairs:** Helena Pinto Lima and Michael Heckenberger

**Participants:**
1:00 Michael Heckenberger—An Archaeology of Hope: How the Past Informs Indigenous Futures in the Southern Amazon’s “Arc of Deforestation”
1:15  Wetherbee Dorshow—Finding Sites in the Amazon Forest: AI-Based Deep Learning Analysis of Satellite Imagery from the Upper Xingu Basin, Brazil

1:30  Jennifer Watling and Morgan Schmidt—Identifying Past Vegetation Dynamics in Xingu Indigenous Territory Using Soil Phytolith Analysis

1:45  Fabiola Silva and Lorena Garcia—Landscapes of the Mid-Low Xingu: Archaeology, Temporality, and Longue Durée Indigenous Stories

2:00  Renato Kipnis, Solange Caldarelli, Letícia Muller, Andrey Castro and Aguinaldo Castro—A Historical Perspective on the Nature of Precolonial Settlements in the Middle Xingu River Basin

2:15  Bruna Rocha, Vinicius Honorato, Márcio Amaral and William Balée—The Pristine Myth and Its Consequences for Amazonian Forest Peoples: An Example From the Upper Iriri

2:30  Helena Pinto Lima—OCA—Culture, Origins, and Environment: Archaeological Collaborative Research in the Lower Xingu

2:45  Andrew Wyatt and Laura Furquim—Archaeological Plant Remains from the Lower Xingu

3:00  Morgan Schmidt, Jennifer Watling, Sam Goldberg, Taylor Perron and Afukaka Kuikuro—Formation Processes, Fertility, Spatial Extent, and Carbon Content of Anthropogenic Soils in the Upper Xingu, Southern Amazon

[67]  General Session ContemporarY Bioarchaeology and Skeletal Analyses

Time: 1:00 p.m.—3:30 p.m.
Chair: Elise Alonzi

Participants:

1:00  Heidi Miller and Christopher DeCorse—A Bioarchaeological Analysis of a Skeletal Population from Elmina, Ghana during the Period of the Transatlantic Trade: 1482–1873

1:15  Bradley Ensor—The Not Very Patrilocal European Neolithic

1:30  Elise Alonzi and Barra O’Donnabhain—Vows and Violence: Identities Enacted through Diet and Trauma at the Late Medieval Tintern Abbey, Ireland

1:45  Horvey Palacios, J. Marla Toyne, Michael Callaghan and Brigitte Kovacevich—The Bioarchaeological and Mortuary Patterns at Holtun, Guatemala: an Analysis of Residential and Plaza Burials

2:00  Victoria Izzo, John Walden, Olivia Ellis, Kirsten Green Mink and Jaime Awe—Identifying Patterned Variability in Preclassic–Postclassic Maya Mortuary Practices in the Belize River Valley [Withdrawn]

2:15  Ryan Seidemann and Christine Halling—Assessing the Taphonomic Alterations of 29 Human Anatomical Specimens Confiscated in Louisiana
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2:30 Bridget Bey and Jane Buikstra — Puberty in Precontact Illinois: An Evaluation of Pubertal Timing in Middle and Late Woodland Native American Adolescents [Withdrawn]

2:45 Erica Ausel — Multilevel Migration and Interpersonal Violence at the Angel Site: Bioarchaeological Investigations of Trauma at a Large Mississippian Period Community in Southwestern Indian

3:00 Lila Jones and Eileen Johnson — Interpreting a Mid-Eighteenth-Century Vertebrate Assemblage from a Probable Comanche Site on the Southern High Plains of Texas


[68] GENERAL SESSION: PAST AND PRESENT IMPLICATIONS OF ENVIRONMENT AND CLIMATE

Time: 1:00 p.m.—3:45 p.m.
Chair: Isabel Rivera-Collazo

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

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

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

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

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

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

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

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

3:00 Nora Franco — Bifacial Technology in Central-South Patagonia: A Preliminary Insight into Hunter-Gatherer Behavior during the Pleistocene-Holocene Transition and Early Holocene in the Deseado Massif and Nearby Spaces
3:15 Pablo Bianchi—Complementary Use of Spaces in Central-South Argentinian Patagonia during the Late Holocene

3:30 Emily Blackwood—The Ostra Collecting Station Site: A Virtual Reconstruction

[69] Symposia Them and Us: Transmission and Cultural Dynamism in the North of Peru between AD 250 and 950: A Vision since the Recent Northern Investigations
Time: 1:00 p.m.–4:00 p.m.
Chairs: Solsiré Cusicanqui and Edgar Bracamonte Lévano

Participants:
1:00 Catherine Lara—Los Tallanes y su entorno regional entre 500 y 950 dC: Algunas reflexiones desde la tecnología de la cerámica paleteada y sus contextos
1:15 Solsiré Cusicanqui, Bryan Velazco and Ricardo Alburqueque—Identity through Movement: Domestic Political Units and Pan-Andean Relations in Early and Middle Cajamarca Periods (50 BC–AD 750)
1:30 Shinya Watanabe—Cultural Diversity and Its Implications: A Case Study from Middle Horizon Cajamarca, Northern Highlands of Peru
1:45 Sadie Weber and Percy García—Wealth on the Hoof: Cajamarca Culture Camelid Pastoralism
2:00 Stephen Berquist—Assembling an Architecture of the Ayllu: Political Sequence, Historical Process, and Emergent Institutions at the Middle Horizon Site of Tecapa, Jequetepeque Valley, Peru
2:15 Luis Muro—From Discrete Frontiers to Cross-Cutting Religious Networks: Religious Monuments and Cultural Syncretism in the Peruvian North Coast and Highland, Ninth to Eleventh Centuries AD
2:30 Aleksa Alaica—Coastal-Highland Interactions at the End of Moche: Investigating Vertical and Horizontal Archipelagos as Reflected in Pastoral Strategies in the Cañoncillo Region, Peru
2:45 Edgar Bracamonte Lévano—Ritual Areas in Santa Rosa de Pucalá and Its Implications in Territorial and Sociopolitical Dynamism in Lambayeque Valley, AD 650–950
3:00 Jason Toohey and Patricia Chirinos Ogata—A Cajamarca Basin Perspective on Northern Highland Interaction during the Middle Horizon and Late Intermediate Periods
3:15 Go Matsumoto—The Mochicas under the Lambayeque Rule
3:30 Jeffrey Quilter—Discussant
3:45 George Lau—Discussant
[70] Symposium: Etruscan Centralization to Medieval Marginalization: Shifts in Settlement and Mortuary Traditions at San Giuliano, Italy
Time: 1:00 p.m.—4:15 p.m.
Chair: Colleen Zori

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

[71] Symposium: Landscapes: Archaeological, Historic, and Ethnographic Perspectives from the New World / Paisajes: Perspectivas arqueológicas, históricas y etnográficas desde el Nuevo Mundo
Time: 1:00 p.m.—4:30 p.m.
Chair: Lane Fargher

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

[72] General Session: Worldwide Zooarchaeological Research
Time: 1:00 p.m.–5:00 p.m.
Chair: Andrew Somerville

Participants:
1:00 Takao Sato, Ryohei Sawaura, Junmei Sawada, Takehiko Watanabe and Takashi Nara—Hunting Activities of Upper Paleolithic Humans in the Japanese Archipelago
1:15 Gillian Wong, Dorothée Drucker, Britt Starkovich and Nicholas Conard—Heterogeneity in Late Glacial Environments of Southwest Germany and Implications for Magdalenian Settlement
1:30 Sean Hixon, Kristina Douglass, Brooke Crowley and Lucien Rakotozafy—Late Holocene Spread of Pastoralism Coincides with Endemic Megafaunal Extinction on Madagascar
1:45 Celeste Samec, Hugo Yacobaccio and Patrick Roberts—Late Holocene Pastoralism and Environmental Change in the Puna Highlands of South America: Stable Isotope Analysis of Camelids Bones and Teeth
2:00  Estelle Praet, Kitty Emery, Elizabeth Graham, Norbert Stanchly and Michael Buckley—ZooMing through the Maya: An Approach to Assess Mammal Diversity in Lamanai and Marco Gonzalez (Belize)

2:15  Madonna Moss and Amy Shannon—Alutiiq Use of Birds during the Ocean Bay Period at Rice Ridge (49-KOD-363), Kodiak Island

2:30  Cheryl Claassen—Helmets and Wind Jewels

2:45  Céline Erauw, Fabienne Pigière and Peter Eeckhout—The Multiple Uses of Animals in the Ritual Site of Pachacamac, Peru: Results from a Recent Archaeozoological Analysis

3:00  Amanda Semanko—Prehistoric Dogs of the Southwest

3:15  Arkadiusz Marciniak—The Human-Mediated Evolution of Cattle and Its Impact on Cattle-Based Agriculture in the Neolithic of the Polish Lowlands

3:30  Kristen Rayfield, Lushuang Huang, Hayley Lanier, Si Wu and Courtney Hofman—A Proteomic Approach to Determine Sex in Zooarchaeology

3:45  Dominica Stricklin—Terminal Classic Practices Reflected in Diet and Geolocation: The B-4 Peri-abandonment Deposit at Xunantunich, Belize

4:00  Andrew Somerville, Isabel Casar Aldrete, Daniel Dalmas and Pedro Morales—Investigating the Pleistocene-Holocene Transition in the Tehuacan Valley of Mexico: New Dates and Isotopic Data

4:15  Mariela Declet Perez—Effects of Atmospheric Events over Marine Ecosystems and Precolumbian Societies in Borikén

4:30  Monica Fenton—What the Shell: The Zooarchaeology of Cerro San Isidro, Peru

4:45  Kailey Martinez—Balance on South Diamond: Using Faunal Analysis to Understand Biodiversity and Resource Use Trends in the Northern Mimbres Region

[73]  **FORUM, TROWELS, BLOGS, AND PODCASTS: THE EXCITEMENT AND CHALLENGE OF MEDIA USE IN THE INFORMATION AND MISINFORMATION AGE**

**Time:** 1:15 p.m.–3:15 p.m.

**Moderator:** Nezahualcoyotl Xiuhtecutli

**Participants:**
Andrea Vianello—Discussant
Elic Weitzel—Discussant
Aaron Deter-Wolf—Discussant
Chris Webster—Discussant
Farrell Monaco—Discussant
Tanya Peres—Discussant
Andrew Lawler—Discussant
David Howe—Discussant
Symposium: Geometric Morphometrics in Archaeology

Time: 1:15 p.m.–3:45 p.m.
Chair: Robert Bischoff

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

Forum: Triumphs, Challenges, and Possibilities in Heritage Education
(Sponsored by The Heritage Education Network [THEN])
Time: 1:30 p.m.–3:30 p.m.
Moderators: Allison Douglas and Eleanor King

Participants:
Tiffany Fryer—Discussant
Shawn Lambert—Discussant
Michele Koons—Discussant
Bonnie Pitblado—Discussant
Rebecca Simon—Discussant
A. Gwynn Henderson—Discussant
Ayana Flewellen—Discussant
Rebecca Hawkins—Discussant
[76] SYMPOSIUM NEW LIGHT ON DZIBANCÉ AND ON THE RISE OF THE SNAKE KINGDOM’S HEGEMONY IN THE MAYA LOWLANDS

Time: 1:30 p.m.—4:15 p.m.
Chair: Francisco Estrada-Belli

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

[77] SYMPOSIUM CASE STUDIES IN TOOLSTONE PROVENANCE: RELIABLE ASCRIPTION FROM THE GROUND UP

Time: 1:30 p.m.—4:15 p.m.
Chairs: Adam Burke and Nathaniel Kitchel

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

[78]  General Session  Current Research in Bronze Age Africa, Asia, and Europe
Time: 1:45 p.m.—4:30 p.m.
Chair: Michael Tritsch

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

Agne Civilyte—Archaeology of Materials: An Overview of Amber Use in Prehistory

[79] FORUM QUINTESSENTIAL SCHOLAR AND ROLE MODEL: DR. CATHERINE CAMERON AND A LIFE IN SOUTHWEST ARCHAEOLOGY
Time: 2:00 p.m.—4:00 p.m.
Moderator: Erin Baxter

Participants:
Debra Martin—Discussant
Miriam Stark—Discussant
Barbara Roth—Discussant
Jakob Sedig—Discussant
Kellam Throgmorton—Discussant
Christine Szuter—Discussant
Jenny Adams—Discussant
James Brooks—Discussant
Carrie Heitman—Discussant
William Gillespie—Discussant
Barbara Mills—Discussant
Catherine Cameron—Discussant

[80] SYMPOSIUM ARCHAEOLOGY AND THE HISTORY OF HUMAN-ENVIRONMENT INTERACTION IN THE LOWER BELIZE RIVER WATERSHED
Time: 2:00 p.m.—4:15 p.m.
Chair: Eleanor Harrison-Buck

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

4:00  Adam Kaeding and Eleanor Harrison-Buck—The Maya at Spanish Contact in the Lower Belize River Watershed

[81]  **Symposium: Presidential Session: What Is at Stake? The Impacts of Inequity and Harassment on the Practice of Archaeology**
  **Time:** 2:00 p.m.–4:15 p.m.
  **Chairs:** Amber VanDerwarker, Joe Watkins and Maureen Meyers

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

[82]  **Symposium: Avances en los estudios de la arquitectura de Monte Albán**
  **Time:** 2:15 p.m.–4:15 p.m.
  **Chairs:** Dante García and Nelly Robles García

**Participants:**
  2:15  Nelly Robles García—Análisis arquitectónico del conjunto Patio Hundido y sus estructuras compuestas: Edificios A y B de Monte Albán
  2:30  José Huchim—La documentación 3D como herramienta para el diagnóstico y la conservación en Monte Albán
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2:45 Xóchitl Martínez Martínez, Dante García and Eduardo García Wigueras—Reconstrucción arquitectónica del Edificio P de Monte Albán, una visualización del pasado desde las herramientas digitales

3:00 Luis García Lalo, Nelly Robles and Dante García—Análisis de la arquitectura de tierra en el Edificio “P” de la Zona Arqueológica de Monte Albán

3:15 Miguel Ángel Galván Benítez—El sistema de desagües del Juego de Pelota de Monte Albán

3:30 Dante García and Nelly Robles—Iconografía Zapoteca en los tableros doble escapulario de la Casa Sur del Conjunto Monumental de Atzompa

3:45 Soren Frykholm, Nelly Robles García, Rebeca Aguilar, Dante García and Damian Martínez Torres—Hallazgos de la excavación de una habitación residencial de la época IIIIB/IV en Atzompa, Oaxaca, México

4:00 Gary Feinman—Discussant

[83] SYMPOSIUM ■ WHEN THE WILD WINDS BLOW: MICRONESIA COLONIZATION IN PACIFIC CONTEXT
Time: 2:30 p.m.–5:00 p.m.
Chair: Matthew Napolitano

Participants:
2:30 Boyd Dixon and Mike Dega—Placing the Early Pre-Latte Period Site of San Roque on Saipan in Its Broader Context

2:45 Laura Weyrich, Raphael Eisenhofer, Bastien Llamas, Keith Dobney and Scott Fitzpatrick—Utilizing Ancient Oral Microbes to Track Human Migrations across the Pacific Islands: Insights from Palau and Beyond

3:00 Maureen Levin, Aimee Miles and Katherine Seikel—Eating Pingelap: Archaeobotanical and Zooarchaeological Perspectives on the Settlement of a Micronesian Atoll

3:15 Marshall Weisler, Quan Hua, Jian-xin Zhao, Hiroya Yamano and Ai Du Nguyen—Determining the Chronology of Reef Island Development for Constraining Initial Human Colonization of Pacific Atolls

3:30 John Swogger—A Different Way to View the World: Comics, Outreach, and Cultural Heritage in the Islands of Yap and Palau, Micronesia

4:00 Jessica Stone, Caroline Kisielinski, Justin Tackney, Scott Fitzpatrick and Dennis O’Rourke—Tracking Human Dispersals to Palau Using Ancient DNA: Results from the Chelechol ra Orrak Site

4:15 Matthew Napolitano, Scott Fitzpatrick, Geoffrey Clark, Amy Gusick and Esther Mietes—Chronological Modeling of Early Settlement on Yap, Western Micronesia

4:30 Rintaro Ono, Jason Lebehn, Osamu Kataoka, Takuya Nagooka and Scott Fitzpatrick—When Did Early Migrants Reach Pohnpei? Human Migration, Interisland Networks, and Resource Use in Eastern Micronesia

4:45 Scott Fitzpatrick—Discussant
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[84] **Electronic Symposium: Music Archaeology’s Paradox: Contextual Dependency and Contextual Expressivity**

Time: 2:45 p.m.–4:45 p.m.

Chair: Miriam Kolar

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

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

Time: 3:45 p.m.–4:45 p.m.

Chair: Christopher Witmore

Participants:
3:45  Christopher Witmore—Sværholt, World War II History, and Archaeology
4:00  Maxwell Forton—The Crash at Basset Peak: Documenting a World War II-Era Bomber Crash for a Fuels Management Project on Coronado National Forest
4:15  Dominic Bush, Jennifer McKinnon and Erin Field—Microbiologically Influenced Corrosion of World War II Aircraft Wrecks in the Pacific
4:30  Agamemnon Pantel and Chester Walker—Methodological Approaches to Search and Recovery of World War II MIAs [Withdrawn]
[86] Symposium: The Conceptual and Ethical Limits of Heritage in Archaeology  
Time: 4:00 p.m.–5:00 p.m.  
Chair: Fernando Armstrong-Fumero  
Participants:  
4:00 Fernando Armstrong-Fumero—What Happens When Objects Become Artifacts?  
4:15 Tiffany Fryer—From Critical to Substantive Heritage Practice  
4:30 Kasey Diserens Morgan—Politicizing Heritage: How Government Protections Use Heritage Assets to Control the Maya Past  
4:45 Stacey Camp, Dante Angelo, Kelly Britt and Margaret Brown—Healing Trauma through Heritage Making: Perspectives from COVID-19

[87] General Session: New World Ceramic Production and Analysis  
Time: 4:00 p.m.–5:00 p.m.  
Chair: Francisco Pugliese  
Participants:  
4:00 Linda Morgan, John Hoffman, Kyle Woodson, Chris Loendorf and Brian Medchill—Hohokam Pottery Manufacturing Specialization at Lower Santan Village Along the Middle Gila River, Southern Arizona  
4:15 Francisco Pugliese, Roberto Ventura Santos, Carlos Zimpel and Eduardo Neves—An Independent Center of Early Ceramic Production in SW Amazonia  
4:30 Rebecca Harkness—Fired Fingerprints: A Point of Pines Pueblo Corrugated Ceramic Analysis  
4:45 Carly Pope—New Evidence for Ceramic Systems in Precolumbian Bocas del Toro, Panama

[88] General Session: Curation, Repatriation, and Accessibility: Vital Ethical Conversations  
Time: 4:15 p.m.–5:00 p.m.  
Participants:  
4:15 Allyson Blanck—A Service Dog in the Field: Accommodating Disabled Archaeologists and Nontraditional Medical Equipment  
4:30 April Beisaw, Jayne-Leigh Thomas and Krystiana Krupa—Ethics of Repatriation > Culture of Academic Freedom  
4:45 Elizabeth Weiss and James Springer—Has Creationism Crept Back into Archaeology?
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[89] General Session ■ Approaches to Architecture in Mesoamerica and the Andes
Time: 8:00 a.m.—9:00 a.m.
Chair: Akira Ichikawa

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

[90] Symposium ■ Current Dynamics of Heritage Values in the Americas
(Sponsored by Heritage Values Interest Group)
Time: 8:00 a.m.—10:00 a.m.
Chair: Jessica Christie

Participants:
8:00 Jessica Christie—Discussant
8:15 Alexia Moretti—The Modern Recontextualization of Recuay Stone Sculptures: Process and Consequences
8:30 Michelle Young—Local Politics, Money, and Power: Navigating Archaeological Heritage in the Peruvian Highlands
8:45 Juan Pablo Vargas and Felipe Manosalvas—Cuenca, patrimonio y arqueología: Hacia un plan de gestión
9:00 Luis Manuel May Ku—Rediscovering Ancient Maya Blue Pigments / Redescubriendo los antiguos pigmentos maya [Withdrawn]
9:15 Grace Alexandrino Ocaña—Civic Society Groups, Cultural Rights, and Rights to a “Heritage” City during COVID-19
9:30 Matthew Sayre—Heritage, Museums, and Place Making at Chavín de Huántar
9:45 David Whitley—Discussant
[91] **SYMPOSIUM - BIRDS IN ARCHAEOLOGY: NEW APPROACHES TO UNDERSTANDING THE DIVERSE ROLES OF BIRDS IN THE PAST**  
**Time:** 8:00 a.m.–10:00 a.m.  
**Chairs:** Christopher Schwartz and Katelyn Bishop  
**Participants:**  
8:00 David Pollack, Bruce Manzano, A. Gwynn Henderson, Thomas Royster and Moriah Raleigh—Fort Ancient Wild Turkey (*Meleagris gallopavo*)  
Harvesting Strategies  
8:15 Sean Dolan—Turkeys in the Mimbres Valley, New Mexico: Pottery Iconography, Genetics, and Diet  
8:30 Robin Cordero—Winter Garden Hunting along the Rio Grande Flyway: A Case Study in the Procurement of Migratory Birds by Puebloans along the Rio Grande  
8:45 Katelyn Bishop—A Zooarchaeological Reassessment of the Parrots of Chaco Canyon  
9:00 Patricia Crown and Patrick Lyons—Macaws and Parrots of the Arizona Mountains  
9:15 Christopher Schwartz, Kelley Taylor and Michelle Hegmon—The Human Experience of Transporting and Raising Scarlet Macaws at Paquimé in Chihuahua, Mexico  
9:30 Hannah Wellman, Megan Spitzer and Torben Rick—Archaeology and Ethnobiology of Late Holocene Bird Remains from the Northern Oregon Coast  
9:45 Miranda LaZar and Jonathan Dombrosky—Tracking Individual Raptors in the Archaeological Record Using Stable Isotopes: Limitations, Possibilities, and Causes of Intraskeletal $\delta$-Value Variation

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

[93] Symposium: New Directions in Mongolian Archaeology
Time: 8:00 a.m.—10:45 a.m.
Chair: Joshua Wright

Participants:
8:00 Lisa Janz—Tamsagbulag: New Center of Cattle Domestication in East Asia?
8:15 Angela Evoy—Neolithic Resource Use and Adaptation in the Eastern Gobi Desert: A Functional Analysis of Axes and Adzes
8:30 Jennifer Farquhar and Arlene Rosen—Adaptive Strategies of Foragers and Early Herders in Mongolia’s Desert-Steppe: Implications for Understanding Social-ecological Dynamics, the Development of Food Production, and the Study of Long-Term Social Change
8:45 Natalia Égüez, Jean-Luc Houle, Oula Seitsonen and Jamsranjav Bayarsaikhan—Herbivore Dung Biomarkers: A Reference Collection for the Archaeology of Pastoral Domestic Spaces in Western and Central Mongolia
9:00 Cheryl Makarewicz and Iain Kendall—Pastoralist Intensification and Dietary Dynamics in the Mongolian Steppe: Multi-isotope Analyses of Human and Faunal Collagen
9:15 William Taylor, Jamsranjav Bayarsaikhan and Isaac Hart—High-Altitude Hunting and the Emergence of Mobile Pastoralism in Eastern Eurasia
9:30 Bukhchuluun Dashzeveg, Lisa Janz, Odsuren Davaakhuu and Asa Cameron—Use and Reuse of Burial Space during the Late Bronze Age and Early Iron Age in Mongolia: A Case Study from Zaraa Uul
9:45 Melandri Vlok, Erdene Myagmar and Hallie Buckley—Nutritional and Infectious Diseases in the Bronze and Iron Ages of Mongolia: The Archaeological Significance
10:00 Asa Cameron, Bukhchuluun Dashzeveg and Jonathan Mark Kenoyer—Making the Exotic from the Familiar: The Source and Production of Carnelian Beads during the Late Bronze Age and Early Iron Age in Mongolia
10:30 Kristen Pearson—Ethnoarchaeology, Human-Animal Relationships, and Participatory Research in Mongolia
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[94] **Symposium: Cultivating Cities: Perspectives from the New and Old Worlds on Wild Foods, Agriculture, and Urban Subsistence Economies**

*Time: 8:00 a.m.–11:15 a.m.*

*Chairs: Maria Codlin and Kathleen Forste*

**Participants:**

8:00  Kathleen Forste and Deirdre Fulton—A Specialized City: Fatimid-Era Agriculture at Ashkelon

8:15  Max Price—Swine, Kine, and Caprine: Divergent Political Economic and Ideological Trajectories of Mesopotamian Livestock

8:30  Laurel Poolman—Animals at the Periphery: Investigating Urban Subsistence at Iron Age Sam'al (Zincirli Höyük, Turkey)

8:45  Chantel White, Michael Wallace, Angela Lamb and Meredith Chesson—Early Bronze Age Economies along the Dead Sea, Jordan: Reconstructing Agricultural Practices through Integrated Stable Isotope Analysis and Macrobotanical Study

9:00  Helina Woldekiros, Michael Harrower and Catherine D'Andrea—Feeding the Pre-Aksumite and Aksumite Society: Subsistence Strategies of Cities, Towns, and Urban Centers in the Horn of Africa (800 BCE–900 CE)

9:15  Sarah Walshaw and Eréndira Quintana Morales—Swahili Urban Foodways and Feasts: From Village to Town

9:30  Xinyi Liu—Cooking, Cuisine, and Class: The Ritualistic Aspect of Eurasian Foodways

9:45  Yahui He—Agriculture, Alcohol, and Urban Economies in Late Neolithic North China: A Case Study from the Shimao Site

10:00  Steven Ammerman—Wild Animals in Cities: A View from South Asia's Early Historic Period Using a Zooarchaeological and Textual Approach

10:15  Teresa Hsu and Nawa Sugiyama—Playing with Your Food to Feed the Masses: A Zooarchaeological Perspective at Teotihuacan, Mexico

10:30  Maria Codlin—Hunting and Husbandry at the Ancient Mexican City, Teotihuacan

10:45  Carlos Varela—Casting the Net: Evidence of Fishing and Fish Farming in Palenque, Chiapas, Mexico

11:00  Monica Smith—Discussant

[95] **Symposium: Far West Paleoindian Archaeology: Papers from the Next Generation**

*Time: 8:00 a.m.–11:15 a.m.*

*Chairs: Katelyn McDonough, Derek Reaux and Richard Rosencrance*

**Participants:**

8:00  Richard Rosencrance—A Western Stemmed Younger Dryas-Aged Sewing Camp at the Connely Caves, Oregon

8:30 Katelyn McDonough and Jaime Kennedy—Paleoethnobotany of the Connelly Caves, Oregon: Investigating Pleistocene Plant Food Economies

8:45 Elizabeth Kallenbach—Fiber Identifications of Paisley Caves Textiles: Exploring Plant Selection for Technology in the Northern Great Basin

9:00 Jordan Pratt—Hasketts and Crescents: An Analysis of the Lithic Tools from Weed Lake Ditch, Oregon

9:15 Derek Reaux—Western Stemmed Tradition Lithic Procurement Strategies at the Catnip Creek Delta, Locality, Guano Valley, Oregon: A Gravity Model Approach

9:30 Sara Sturtz and Geoffrey Smith—Renewed Investigations at Leonard Rockshelter

9:45 Samuel Burns—A Late Pleistocene Snapshot: Feature 134 at Cooper’s Ferry (Nipehe), Idaho

10:00 Loren White—Geoarchaeological Insights from a Late Pleistocene–Terminal Holocene Site on Isla Cedros, Baja California

10:15 David Hunt—Using Landscape Learning to Explore Diachronic Change within the Western Stemmed Tradition

10:30 Caitlin Doherty—New Perspectives from Smith Creek Cave: A Lithic Technological and Geochemical Analysis of the Paleoindian Assemblage

10:45 Kenneth Vernon, David Zeanah, D. Craig Young, Robert Elston and Brian Codding—Explaining Paleoindian Settlement in the Intermountain West: A Regression Adjustment Approach

11:00 Geoffrey Smith—Discussant

[96] General Session: Archaeometry, Material Analysis, and Mitogenome Analysis: Results from Around the Globe

Time: 8:00 a.m.–11:15 a.m.

Chair: Daniel Perez

Participants:

8:00 Jay Silverstein, Robert Littman and Abdelrahman Medhat—Uncommon Scents: The Greco-Roman Fragrance Industry at Thmuis, Tell Timai, Egypt

8:15 Mikael Fauvelle—Obsidian Exchange and Political Change: Shifting Patterns of Obsidian Use Across the Late Classic and Postclassic at Fracción Mujular

8:30 Caitlin Davis—Formative Ceramic and Obsidian Transitions at Salinas La Blanca

8:45 Maria Mercedes Martínez Milanchi, Alice Samson, Jago Cooper, Michael Charlton and Carlos Pérez—A Material Science Consideration of New World Encounters: Multi-method Approaches to the Archaeology of the Caribbean
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9:00 Daniel Perez and Karen Harry—Virgin Branch Puebloan Adaptations on the Colorado Plateau: Recent Excavations at Granary House (AZ A:14:46)

9:15 Corinne Watts—Determining the Biographies of the Indonesian Standing Stones at Harvest Preserve, Iowa City, Iowa

9:30 Carlton Gover, Douglas Bamforth and Kristen Carlson—Bayesian Analysis of the Chronology of the Lynch Site (25BD1) and Comparisons to the Central Plains Tradition and Central Plains Oneota

9:45 John Samuelsen—An Isotopic Assessment of Late Prehistoric Interregional Warfare in the Southcentral United States

10:00 Jennifer Green and Anneke Janzen—Collagen Peptide Fingerprinting (ZooMS) of Archaeological Worked Bone from Southern Florida

10:15 Gustavo Neme, Lissa Nagaoka, Adolfo Gil and Eva Peralta—Spatial Pattern of $\delta^{18}O$ Water Isotope in the Argentinean Central West: Their Potential to Model Human Mobility at Archaeological Scale

10:30 Robert Lassen, Brittany McClain and Timothy Griffith—Excavations at the Crane Dune Site (41CR61), a Prehistoric Habitation, Burial, and Lithic Cache Site in Crane County, Texas

10:45 Kaitlin Ahern—An Analysis of Lime Plaster Floor Samples from the Holmul Region, Guatemala

11:00 Stanley Ambrose and Andrew Zipkin—Implications of Ostrich Eggshell Diagenesis Experiments and Observations for Isoscape Analyses

[97] **Symposium** **Constructing Chronologies I: Stratification and Correlation**

*Time: 8:00 a.m.—11:30 a.m.*

*Chairs: Thomas Dye, Caitlin Buck and Keith May*

*Participants:*

8:00 Keith May—Space-Time in the Matrix and the Uses of Allen Temporal Operators for Stratigraphic Analysis

8:15 Adam Rabinowitz—Temporal Reasoning and Visualization across Periodized Archaeological Datasets: The Potential of the PeriodO Gazetteer

8:30 Bryony Moody, Caitlin Buck, Thomas Dye, Keith May and Gianna Ayala—Automation of Bayesian Chronology Construction Using a Graph Theoretic Approach

8:45 Seren Griffiths, Ben Edwards, Tom Higham and Julian Thomas—Events, Narrative, and Data: Why New Chronologies, Big Data, and New Materiality Should Change How We Write Archaeology

9:00 Thomas Dye, Caitlin Buck and Robert DiNapoli—Reasoning between the Lines: The Chronology of Phyletic Seriation

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<th>Time</th>
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<tr>
<td>9:30</td>
<td>William Banks and Philippe Lanos—An Application of Hierarchical</td>
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<td>Bayesian Modeling to Upper Paleolithic Archaeological Cultures in</td>
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<td>France between 32 and 21 cal ka BP</td>
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<td>9:45</td>
<td>Dusan Boric and Paul Duffy—Chronological Perspectives on the Spread</td>
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<td>of Agriculture in Southeastern Europe</td>
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<td>10:00</td>
<td>Takeshi Inomata—Poor Preservation in Complex Urban Settings:</td>
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<td>Chronology-Building in the Maya Area</td>
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<td>10:15</td>
<td>James Vint—Stratigraphy and Chronology at Las Capas, an Early</td>
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<td>Agricultural Period Site in the Tucson Basin</td>
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<td>10:30</td>
<td>Nicholas Kessler, Greg Hodgins, Matthew Guebard and Lucas Hoedl—Wiggle-</td>
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<td>Match Dating at the Montezuma Castle Cliff Dwelling</td>
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<td>10:45</td>
<td>Anthony Krus, Edward Herrmann, Christina Friberg, Dru McGill and</td>
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<td>Jeremy Wilson—The Timing of the Angel Polity: A Regional History</td>
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<td>11:00</td>
<td>Robert DiNapoli, Carl Lipo, Timothy de Smet and Diana Greenlee—Refining</td>
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<td>the Chronology of Earthwork Construction in the Lower Mississippi Valley</td>
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<td>Archaic Period</td>
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<td>11:15</td>
<td>Barry Rolett—From Dune Stratigraphy to a Model-Based Cultural Sequence</td>
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<td>for the Marquesas Islands of East Polynesia</td>
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**Symposium: Advances in Global Submerged Paleolandscape Research**

*Supported by Island and Coastal Archaeology*

**Time:** 8:15 a.m.—11:30 a.m.

**Chairs:** Amy Gusick and Amanda Evans

**Participants:**

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<tr>
<th>Time</th>
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<tr>
<td>8:15</td>
<td>John O’Shea—Necessity, Not Novelty: Archaeology on Submerged Landscapes</td>
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<td>8:30</td>
<td>Jessi Halligan—Where Is the Waterline? Integrating Terrestrial and Underwater</td>
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<td>Investigations in the Aucilla River, Florida</td>
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<td>8:45</td>
<td>Ashley Lemke—Submerged Prehistoric Archaeology on the Atlantic Continental</td>
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<td>9:00</td>
<td>Martin Segschneider, Hauke Jöns, Moritz Mennenga and Jonas Enzmann—The</td>
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<td>SPLASHCOS Viewer: The First Online Atlas of Submerged Prehistoric Sites in</td>
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<td>Maritime Europe and the Mesolithic Site of Strande, Kiel Bay</td>
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<td>9:15</td>
<td>Dominique Rissolo—An Overview and Synthesis of Paleocoastal Research on the</td>
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<td>Yucatán Peninsula</td>
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<td>9:30</td>
<td>Neil Puckett—The Walker Lake Landscape: Combining Geophysical Studies to</td>
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<td>Clarify Regional Change and the Archaeological Record</td>
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<td>9:45</td>
<td>Isabel Cartajena, Diego Carabias, Renato Simonetti, Valentina Flores-</td>
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<td>Aqueveque and Cristina Ortega—New Insights into a Late Pleistocene Submerged</td>
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<td>Landscape on the Pacific Coast of South America</td>
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</table>
10:00 Rob Rondeau and Chris Carleton—Beringia Underwater: The Search for New Archaeological Sites on the Pacific Northwest Coast
10:15 Amanda Evans, Louise Tizzard, Megan Metcalfe and Alexandra Herrera-Schneider—White Caps and Laptops: Results from the 2019 and 2020 Surveys of Submerged Precontact Landscapes in the Northwestern Gulf of Mexico
10:30 Jessica Cook Hale—A Tale Told . . . Signifying Nothing
10:45 E. James Dixon and Loren Davis—The Rose Room Workshop
11:00 Louise Tizzard and Claire Mellett—Across and beyond Site Boundaries: Maximizing the Legacy of Submerged Landscape Assessments
11:15 Michael Faught—Discussant

[99] SYMPOSIUM • CABINETS OF CURIOSITIES: COLLECTIONS AND CONSERVATION IN ARCHAEOLOGICAL RESEARCH
Time: 8:30 a.m.–9:15 a.m.
Chair: Mariana Lujan Sanders
Participants:
8:30 Abigail Judkins—On the Edge of the Colonial Sphere: The Effects of Indirect Interaction on Subsistence Strategies in Northern Alaska
8:45 Lenore Thompson—Museums Are Repositories of Knowledge: Using Museum Collections to Recontextualize Culture Contact and Colonial Entanglements in the Pacific Northwest
9:00 Joshua Vallejos—Degrees of Change: The Transition from Paleoindian to Archaic

[100] GENERAL SESSION • GIS, REMOTE SENSING, AND COMPUTER MODELING IN ARCHAEOLOGY
Time: 8:30 a.m.–10:15 a.m.
Chair: Lori Stephens Reed
Participants:
8:30 Ariel Texis Muñoz, Tanya Catignani, Nawa Sugiyama and Saburo Sugiyama—Mapping Teotihuacan’s Inception: Patlachique Phase Ceramics Distribution on the Lidar Map
8:45 Lori Stephens Reed, Aron Adams and Jeffery Wharton—A Closer Look at the Big Picture: Great House Community Dynamics at Aztec Ruins National Monument, Northwest New Mexico
9:00 Hsi-Wen Chen—Land Use in Neolithic Northeast China
9:15 Emily Coco and Radu Iovita—Time-Dependent Taphonomic Site Loss Leads to Spatial Averaging: Implications for Archaeological Cultures
9:30 Matthew Bandy and David Reinhart—Automated Identification of Archaeological Features in a Regional Lidar Dataset from Southeastern New Mexico

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

[101] **Symposium: Teotihuacan: Multidisciplinary Research on Mesoamerica’s Classic Metropolis**

*Time: 8:30 a.m.–11:45 a.m.*

*Chairs: Katherine McCarthy and Catherine Nuckols-Wilde*

**Participants:**

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

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

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

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

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

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

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

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

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

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


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

11:30 Matthew Robb—Discussant
[102] Symposium Cholula to Chachapán: Celebrating the Career of Michael Lind

Time: 9:00 a.m.–11:15 a.m.
Chair: Jeffrey Blomster

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

[103] Symposium Hearth and Home in the Indigenous Northeast

Time: 9:00 a.m.–11:30 a.m.
Chairs: Donald Holly and Gabriel Hrynick

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

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

[105]  **Symposium: Interactions across the North American Midcontinent**
Time: 9:15 a.m.—11:00 a.m.
Chairs: Richard Edwards and Heather Walder
Participants:
9:15  Heather Walder, Marvin DeFoe and John Creese—Contextualizing Mid–Late Archaic Period Copper Complex Sites of the Western Great Lakes
9:30 Susan Kooiman and Aaron Comstock—Environmental, Social, and Culinary Relationships in the Northern Great Lakes
9:45 Edward Fleming—Woodland and Late Precontact Interaction along the Saint Croix River Corridor in Minnesota and Wisconsin
10:00 Ronald Schirmer—Beyond the Big Valley: Expanding the Temporal, Spatial, and Cultural Context of Red Wing’s Silversnale Phase
10:15 Richard Edwards and Robert Jeske—Social Relationships and Connections from the Mississippi Valley to the Great Lakes during the Eleventh to Fifteenth Centuries
10:30 Alison Hadley—Shifting Contexts on the Economy of Pipestone
10:45 Autumn Painter, Jeffrey Painter, Jodie O’Gorman and Terrance Martin—Surviving or Thriving? Reassessing Social Interaction and Warfare Related Food Insecurity at Morton Village

[106] **Symposium: Communities of Practice in the Ancient Andes: Thinking Through Knowledge Transmission and Community Making in and Beyond Craft Production**

**Time:** 9:30 a.m.–11:30 a.m.

**Chairs:** Sarah Baitzel and Alicia Boswell

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

[107] **Symposium: Sculpture of the Ancient Mexican Gulf Coast, Part I**

**Time:** 9:30 a.m.–11:45 a.m.

**Chair:** Cherra Wyllie

**Participants:**
9:30 Hirokazu Kotegawa—Esculturas monumentales como herramientas políticas en la sociedad olmeca: Una perspectiva desde el sitio Estero Rabón
9:45  Henri Bernard and Sara Ladrón de Guevara—Stone Figurines of the Middle Formative in Mesoamerica

10:00 Katie McElfresh Buford and Billie Follensbee—Finding the Right Niche: Altar, Throne, Stela, Sarcophagus? Overlap and Ambiguity in Olmec Large Stone Sculpture


10:30 Jillian Mollenhauer—Out of Olmec: Continuity and Disjunction in Veracruz Stone Sculpture

10:45 Kim Richter—The "Tamtoc Venus": An Early Huastec Sculpture and Its Connections to Gulf Coast Sculptural Traditions

11:00 Alberto Ortiz Brito—The Meanings and Uses of the Past in the Present: A Case Study of the San Martin Pajapan Monument

11:15 Julia Guernsey—Discussant

11:30 Richard Diehl—Discussant

[108]  **Electronic Symposium, The Iron Age of Northwest Portugal: Leftovers of Behavior**  
**Time:** 9:45 a.m.–11:45 a.m.  
**Chair:** Mariah Wade

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

[109]  **Symposium, Collaborative and Community Archaeology**  
**Time:** 10:00 a.m.–11:45 a.m.  
**Chair:** Kevin Nolan

**Participants:**
- 10:00 Kevin Nolan and Charles Bello—Collaborative and Community Archaeology: Introduction and Some Case Studies
- 10:15 Jeffrey White—Digging for Community Engagement
- 10:30 Katherine Seeber—Development and Praxis of Community-Based Archaeology at Historic Mitchelville Freedom Park
- 10:45 Brice Obermeyer and Susan Bachor—Collaborative Survey of Delaware Cultural Sites in Northeastern Oklahoma
11:00 Kelsey Hanson, Steve Baumann, Todd Scissons, Octavius Seowtewa and T. J. Ferguson—Reinvigorating the National Register: Toward Multivocality in the Production of National Histories

11:15 Christine Thompson, Nancy Knapke, Brice Obermeyer, Diane Hunter and Nekole Alligood—Engaging Communities through Conflict: A Case Study in the Development of Truly Engaged Scholarship in Two Communities

11:30 Matthew Sanger—Discussant

[110] **FORUM: THE FUTURE OF ARCHAEOLOGICAL REPOSITORIES?**
(Sponsored by The Curation Interest Group)
**Time:** 10:00 a.m.–12:00 p.m.
**Moderators:** S. Terry Childs and Danielle Benden

**Participants:**
S. Terry Childs—Discussant
Danielle Benden—Discussant
Angela Neller—Discussant
Tamira Brennan—Discussant
Gwenn Gallenstein—Discussant
Amanda Thompson—Discussant
Tim Riley—Discussant
Julia King—Discussant

[111] **SYMPOSIUM: NAVIGATING IMPERIALISM: NEGOTIATED COMMUNITIES AND LANDSCAPES OF THE INKA PROVINCES**
**Time:** 10:15 a.m.–11:45 a.m.
**Chair:** Lynn Kim

**Participants:**
10:15 Adam Birge—Movement, the Sacred, and Appropriations: Inka-Carangas Interactions in Sajama, Bolivia
10:30 Lynn Kim—The Negotiated Yunga-Inka Landscape of the Camata-Carijana Valley
10:45 Kodiak Aracena—Merqueitalaque: Un ejemplo de resistencia e interdependencia local a la llegada Inka
11:00 Jessica Christie—Walled Rock Wak’as on Inka Royal Estates in the Heartland
11:15 Matthew Warren—Provisioning an Embattled Frontier: The Role of the Inka Settlement of Pulquina Arriba within an Imperial Defensive Network in the Southeastern Bolivian Andes
11:30 Sonia Alconini—Discussant
[112] **FORUM COMMUNITY-ENGAGED METHODS IN BIOARCHAEOLOGICAL RESEARCH: RECENT ADVANCES AND NEW DIRECTIONS**
*Time: 10:30 a.m.–12:30 p.m.*

**Moderator:** Claire Maass

**Participants:**
Alexis Boutin—Discussant
Dorothy Lippert—Discussant
Ann Kakaliouras—Discussant
Ventura Pérez—Discussant
Daniela Balanzategui—Discussant
Michael Blakey—Discussant

[113] **FORUM “THE OLD THAT’S WORTH SAVING”: HOW CAN WE PRIORITIZE WHEN WE CAN’T SAVE THEM ALL?**
*(Sponsored by Committee on Climate Change Strategies and Archaeological Resources)*
*Time: 10:30 a.m.–12:30 p.m.*

**Moderator:** Anne Jensen

**Participants:**
Heather Wholey—Discussant
Carole Nash—Discussant
Michael Aiuvalasit—Discussant
Sara Ayers-Rigsby—Discussant
Alice Kelley—Discussant
Marcy Rockman—Discussant

[114] **SYMPOSIUM HISTORIES OF HUMAN-NATURE INTERACTIONS: USE, MANAGEMENT, AND CONSUMPTION OF PLANTS IN EXTREME ENVIRONMENTS**
*Time: 11:00 a.m.–12:00 p.m.*

**Chairs:** Paula Ugalde and Virginia McRostie

**Participants:**
11:00 Paula Ugalde, Virginia McRostie, Eugenia Gayo, Claudio Latorre and Calogero Santoro—Sociocultural Trends and Innovations along 13,000 Years of Plant Use in the Atacama Desert, Chile
11:15 Carolina Belmar—Plants and Steppe Hunter-Gatherers in Central Patagonia: A Case Study from the Aisén region (45° S, Chile)
11:30 Camila Alday—Bast Fiber Technology in the West Coast of South America: A Study of the Early Coastal Hunter-Gatherer’s Fiber Production
11:45 Jennifer Haas—Woodland Tradition Plant Use and Foodways in the Western Great Lakes: A View from Southeastern Wisconsin
[115] **SYMPOSIUM: APPROACHES TO THE ARCHAEOLOGY OF HEALTH: SEWERS, SNAKEBITES, AND SKELETONS**

**Time:** 11:00 a.m.–12:00 p.m.

**Chair:** Taylor Zaneri

**Participants:**

11:00 Brendan Weaver, Lizette Muñoz and Karen Durand—From Slavery to Servitude: Approaching Hacienda Worker Health through Transformations in Labor and Foodways in Nineteenth-Century South Coastal Peru

11:15 Joshua Schnell—Ancient Maya Dentistry: New Evidence for Therapeutic Dental Interventions and Dental Care Practices

11:30 Taylor Zaneri—Enacting Health in the Medieval City: A Geospatial Analysis of Waste and Water in Bologna

11:45 Rita Wright—Discussant

[116] **GENERAL SESSION: DEATH AND SOCIAL PRACTICE IN THE NEW WORLD**

**Time:** 11:15 a.m.–12:00 p.m.

**Chair:** Santiago Juarez

**Participants:**

11:15 L. Antonio Curet—Death, Remembrance, and Cultural Change at the Ceremonial Center of Tibes, Puerto Rico

11:30 Sheldon Skaggs, Adam King, Christina Luke, George Micheletti and Terry Powis—Place-Making, Erasure, and the Death of Kingship at the Ancient Maya Site of Pacbitun, Belize

11:45 Santiago Juarez—Cosmology at Home: Ritual Caching within the Residences of Late Preclassic Noh K’uh, Chiapas Mexico
Program of the 86th Annual Meeting  
Friday Afternoon, April 16 2021

All times are listed in Eastern Daylight Time

Friday Afternoon ■ April 16, 2021

[117] Symposium ■ The Archaeology of Trade and Exchange

**Time:** 1:00 p.m.–2:30 p.m.

**Chair:** Jessica Yann

**Participants:**

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

[118] General Session ■ Topics in Andean Archaeology

**Time:** 1:00 p.m.–2:30 p.m.

**Chair:** Brendon Murray

**Participants:**

1:00 Brendon Murray and Terence D’Altroy—A View from the Virú: Place and Sight in the Virú Valley Project Reconsidered
1:15 Kayeleigh Sharp—Northern Gallinazo: A Transformational View from the Lambayeque Region, Peru
1:30 Augusto Bazán Pérez, Jose Alva, Erick Acero, Mary Avila and Carlos Zapata—Nuevos datos sobre Moche Temprano y Tardío en Huaca Cao Viejo, Complejo Arqueológico El Brujo, valle de Chicama, Perú
1:45 Jessica Smeeks and Rebecca Spring—Enemies and Allies: GIS Analyses of Late Intermediate Period Defensibility and Settlement Patterns in the Huamanga Province of Peru
2:00 Manuel Calongos Curotto—The Inca Administration of the Middle Cañete Valley, Peru
2:15 Sylvie Littledale and Zach Chase—The Landscapes of Huarochirí (Peru) in Written Historical and Oral Traditions
[119] **GENERAL SESSION**  **EMERGING RESEARCH ON BUILT ENVIRONMENTS AND SOCIAL DYNAMICS IN MESOAMERICA**  
**Time:** 1:00 p.m.–2:30 p.m.  
**Chair:** Terry Powis  
**Participants:**  
1:00 Terry Powis, George Micheletti, Matthew Tarleton, Gary Owenby and Nicaela Cartagena—Identifying the First Public and Domestic Constructions at Pacbitun, Belize  
1:15 Timothy Beach, Leila Donn, Cody Shank, Takeshi Inomata and Thomas Garrison—Machine Learning Applications with Lidar to Predict Locations of Natural and Cultural Features in the Maya Lowlands  
1:30 Justine Shaw and Thania Ibarra Narvaez—Everyday Life during the Late Terminal Classic in the Cochuah Region  
1:45 Virginia Arieta Baizabal and José Ignacio Hernández Juan—Entre tres ríos y dos capitales: La región de Capoacan y el sitio olmeca de Antonio Plaza, Veracruz  
2:00 Ana Luisa Izquierdo and Virginia Arieta Baizabal—Nueva hipótesis en torno a la organización política olmeca de San Lorenzo  
2:15 Julio Amador and Ofelia Márquez Huitzil—The Chalcatzingo Reliefs Seen from a Critical Perspective

[120]  **SYMPOSIUM**  **ART STYLE AS A COMMUNICATIVE TOOL IN ARCHAEOLOGICAL RESEARCH**  
**Time:** 1:00 p.m.–2:45 p.m.  
**Chairs:** Jesse Nowak, Frank Reilly and Adam King  
**Participants:**  
1:00 John Stauffer—The Disintegration of Style and Memory: Mound 3 Assemblages at Lake Jackson  
1:15 Bobi Deere and Jesse Nowak—Heavens on Earth: Cave Imagery and the Legacies of Mississippian Ceremonialism  
1:30 Frank Reilly—From Cave Mouth To Temple Door  
1:45 Julie Zimmermann—Storytelling in the Creation of Cahokia, a Native American Theater State  
2:00 James A. Brown—A Brief History of Mississippian Period Art Styles in the American Southeast  
2:15 Adam King—Pipes, Pots, and Portals: The Imagery of Middle Mississippian Pipes from Etowah  
2:30 James Brown—Discussant
[121] **FORUM WE, THE VOYAGERS: OUR VAKA AND OUR MOANA, CONSIDERING A FILM SERIES BY TAUMAKO VOYAGERS**  
*Sponsored by Pacific Traditions Society*  
**Time:** 1:00 p.m.–5:00 p.m.  
**Moderators:** Marianne George and Heuionalani Wyeth  
**Participants:**  
Marianne George—Discussant  
Heuionalani Wyeth—Discussant  
Jaime Bach—Discussant  
Darienne Dey—Discussant  
M. Elena Clariza—Discussant  
Tyler Warwick—Discussant  
Simon Penny—Discussant

[122] **SYMPOSIUM SCULPTURE OF THE ANCIENT MEXICAN GULF COAST, PART 2**  
**Time:** 1:00 p.m.–3:00 p.m.  
**Chair:** Kim Richter  
**Participants:**  
1:00 Yamile Lira-Lopez—La Piedra del Gigante de Orizaba y el Monolito de Maltrata: Estudios iconográficos y su protección como patrimonio arqueológico  
1:15 Cherra Wyllie—Cerro de las Mesas Monument 2  
1:30 Rex Koontz—Classic Veracruz Sculptures and Bodies in Fragments  
1:45 Marcie Venter and Lacy Risner—Situating a Cached Ballgame Yoke from Matacanela, Veracruz  
2:00 Arturo Pascual Soto—El Tajín en tiempos de 13 Conejo: Expresiones de un nuevo estatuto simbólico (ca. 800–1100 dC)  
2:15 Annick Daneels—Flayer and Flayed Figures in Central Veracruz, Mexico: Is It Xipe?  
2:30 Yuko Shiratori and Angel González López—The Female Terracotta Sculpture at the North Carolina Museum of Art: Pastiche or Fake?  
2:45 Barbara Stark—Discussant

[123] **SYMPOSIUM MATERIALIZING POLITICAL ECOLOGY: LANDSCAPE, POWER, AND INEQUALITY**  
**Time:** 1:00 p.m.–3:00 p.m.  
**Chairs:** Kacey Grauer and Sarah Breiter  
**Participants:**  
1:00 Melissa Baltus—Mediating Powers, Negotiating Inequalities: Ecological Politics at Cahokia  
1:15 Sarah Breiter—The Landscape Materialized in Late Medieval Houses  
1:30 Jennifer Bates, Adam Green, Cameron Petrie, Ravindra Nath Singh and Francesc Conesa—Many Communities, Many Foods: The Economic and
Political Implications of Diversified Cropping Strategies before, during, and after Urbanism in Northwest India ca. 3200–1500 BC

1:45  Kathryn Catlin—Political Ecology Materialized in a Medieval Icelandic Landscape

2:00  Dilpreet Basanti—Materializing Aksumite: Power Plays through Natural Landscape in the Northern Stelae Field (AD 100–400)

2:15  Ryan Lash—Cult and Cultivation: Vulnerability and Resilience on Inishark Island, Co. Galway, Ireland in the Nineteenth Century

2:30  Kacey Grauer—Politicizing Post-Humanism: Elite and Commoner Household Excavations at the Ancient Maya City of Aventura, Belize

2:45  Steve Kosiba—Discussant

SYMPOSIUM: ARCHAEOLOGY IN MOZAMBIQUE: CURRENT ISSUES AND TOPICS IN ARCHAEOLOGY AND HERITAGE MANAGEMENT

Time: 1:00 p.m.—3:30 p.m.

Chairs: Diogo Oliveira and Décio Muianga

Participants:

1:00  Décio Muianga, Enio Tembe and Sheila Machava—One Hundred Years of Mozambican Archaeology: Past, Present, Future, and Challenges

1:15  Nuno Bicho, Jonathan Haws, João Cascalheira, Célia Gonçalves and Mussa Raja—Stone Age Archaeology in the Elephant River Valley, Southwestern Mozambique

1:30  Sabrina Stempfle, Jörg Linstädter, Décio Muianga, Martina Seifert and Nikola Babucic—Bantu Arrival in Southern Mozambique: Ceramic Analysis as a Source of Information for Dating, Diversity, Technology Transfer, and Nutrition

1:45  Anneli Ekblom and Michel Notelid—Archaeology, Local History, and Heritage in Limpopo National Park

2:00  Jörg Linstädter, Nikola Babucic, Sabrina Stempfle and Martina Seifert—Tracing Early Farming Communities in Southern Mozambique by Geophysical Prospection: Current State of Activities, Part 1


2:30  Diogo Oliveira—Cabaceira Pequena Archaeological Site: Initial Data and Interpretations

2:45  Sofia Fonseca, Jörg Linstädter, Décio Muianga and João Cascalheira—Online Education on African Archaeology and Heritage: The ONLAAH Platform

3:00  Martina Seifert—Discussant

3:15  Stephanie Wynne-Jones—Discussant
[125] **Symposium: Scaling Potting Networks: Recent Contributions from Ceramic Petrography**  
**Time:** 1:00 p.m.–3:45 p.m.  
**Chair:** C. Trevor Duke

**Participants:**
- **1:00** Andrew Womack—Ceramic Production at the Stone-Walled Citadel of Shimao: Initial Results of Petrographic Analysis
- **1:15** Alicia Espinosa and Isabelle Druc—Retracing the Relations between Virú-Gallinazo Communities, Early Intermediate Period, Northern Coast of Peru: Recent Contributions from Ceramic Technology and Petrography
- **1:30** José Peña and Robert Tykot—Understanding Pottery Production at El Campanario (Huarmey-Peru) through Ceramic Paste Analysis and pXRF
- **1:45** Mauricio Uribe, Camila Riera-Soto and Petrus le Roux—Pottery Traditions in the Hyperarid Core of the Atacama Desert: Petrography and Geochemistry of Illuga Túmulos Ceramics (Tarapacá, Northern Chile)
- **2:00** Andrea Torvinen and Matt Peeples—A Monte Carlo Approach to Estimating Plausible Ceramic Similarity Values from Fabric Characterizations
- **2:15** Anthony Farace—Establishing Mississippian Potting Communities at the Wickliffe Mounds Site, Kentucky
- **2:30** Domenique Sorresso—Establishing Provenance and Population Movements of the Vacant Quarter Phenomenon through Ceramic Traditions
- **2:45** C. Trevor Duke, Neill Wallis and Ann Cordell—Networks of Embodied Practice: Personhood, the Body, and Potting Skill in the North American Southeast
- **3:00** Suzanne Eckert and Deborah Huntley—Petrographic Analysis of Ancestral Pueblo Glaze-Painted Pottery from the Southern Rio Grande Region (Rio Abajo) in New Mexico, USA
- **3:15** Guillermo De La Fuente and Sergio Vera—Pottery-Making Practices and Technological Choices during the Early Period (ca. 200 BC–AD 600) at the Southern Sector of Abaucán Valley (Dept. Tinogasta, Province of Catamarca, Argentina): A View from Ceramic Petrography
- **3:30** Judith Habicht-Mauche—Discussant

[126] **Symposium: Paleo Lithics to Legacy Management: Ruthann Knudson—Inawa’soetskitsipak**  
**Time:** 1:00 p.m.–4:00 p.m.  
**Chairs:** Marcel Kornfeld and Mary Lou Larson

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

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

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

3:30 Catherine Cameron—Hidden People in the Past: Honoring the Scholarship of Debra Martin

3:45 Debra Martin—Discussant

[128] Symposium: Developments through Time on the South Coast of Peru: In Memory of Patrick Carmichael

Time: 1:00 p.m.—4:45 p.m.

Chairs: Alicia Gorman and Jo Osborn

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

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

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

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

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

2:15 Adrián González Gómez de Agüero, Francesca Fernandini, Luis Ortega-San-Martín and Patricia Gonzales Gil—Green Epidote: Painting the Past in Cerro de Oro, a Chemical and Mineralogical Analysis of the Green-Yellowish Ceramic Pigment

2:45 Christina Conlee, Corina Kellner, Chester Walker and Aldo Noriega—Huaca del Loro: A Wari Colony in Coastal Nasca

3:00 Sarah Kerchusky—Symbolic Behavior in Household Archaeology: A Study of Late Nasca Period and Loro Period Figurines from Zorropata, Nasca, Peru

3:15 Sara Morrisset, George Chauca and David Beresford-Jones—New Perspectives on the Ica Society: Tracing Changes in Material Culture in the Ica Valley on the Peruvian South Coast from the Middle Horizon to Early Colonial Period (ca. 1000–1600 CE)

3:30 Richard Espino Huaman, Jo Osborn, Camille Weinberg and Brittany Hundman—Caminos entre los valles de Chincha y Cañete: Un acercamiento hacia las conexiones de nuestros antepasados prehispánicos en el Perú

3:45 Jennifer Larios, Jacob Bongers, Jordan Dalton, Jo Osborn and Camille Weinberg—The Pottery of Chincha Revisited
All times are listed in Eastern Daylight Time

4:00 Rodrigo Areche—Reconstructing the Political Dynamic of the Inka State in the Cañete Valley: A Perspective from the Site of Huacones–Vilcahuasi


4:30 Kevin Vaughn—Discussant

[129] **SYMPOSIUM: ANIMAL BONES TO HUMAN BEHAVIOR**  
(Sponsored by Zooarchaeology Interest Group)  
**Time:** 1:00 p.m.–5:00 p.m.  
**Chairs:** Richard Redding and Abigail Fisher

**Participants:**

1:00 Amanda Burtt—Taboo to Chew: Cultural Influences on Dog-Feeding

1:15 Abigail Fisher and Lewanne French—Canine Dental Damage and Dental Pathology as Indicators of Changing Haulage Roles during the Transition to Agriculture

1:30 Pam Crabtree and Taylor Zaneri—Using Zooarchaeology to Explore the Origins of Medieval Urbanism: Evidence from Badia Pozzeveri near Lucca, Antwerp, and Ipswich

1:45 Victoria Moses—Sacrifice, Meat Consumption, and Bone Working at the Curiae Veteres: Zooarchaeological Findings from the Sixth- and Fifth-Century BCE Levels of the Palatine-Pendici Nord-Est Excavations in Rome, Italy

2:00 Erin Crowley-Champoux—Reconstructing Animal Economies of Early Ireland in Transition

2:15 Amy Nicodemus—Animal Economies and Emergent Complexity in the European Bronze Age

2:30 John Gorczyk—Caprines in the Cattle Zone: Reconciling Faunal Data at Two Scales during the Early Neolithic in the Sofia Basin, Bulgaria

2:45 Kara Larson—Meat on the Hoof: Isotopic Evidence of Administrative Herd Management at Khirbet Summeily, Israel

3:00 Richard Redding—The Animal Subsistence System of Old Kingdom of Egypt

3:15 Nicolas Delsol—Mesoamerican Cowboys: Exploring the History of Cattle Ranching in Colonial Mexico and Guatemala through Zooarchaeology

3:30 Alejandro Figueroa—The Archaeofaunal Dimension of Preceramic Human-Environment Dynamics in the Highlands of Southwestern Honduras

3:45 Jacob Warner and Aleksa Alaica—Contextualizing the Influence of Climate and Culture on Mollusk Collection: Donax obesus Malacology from the Jequetepeque and Nepeña Valleys, Peru

4:00 Jonathan Dombrosky—Fish Body Size and Ancestral Pueblo Foraging Decisions in New Mexico, ca. AD 1350–1600
4:15 Martin Welker and Eréndira Quintana Morales—Meta-analysis of the North Atlantic Cod Fisheries: The Zooarchaeology of the Sixteenth- to Nineteenth-Century Transatlantic Cod Trade

4:30 Christine Mikeska—Understanding Patterns of Indigenous White-tailed Deer (Odocoileus virginianus) Exploitation in the North Carolina Piedmont Using Strontium ($^{87}$Sr/$^{86}$Sr) Isotope Analysis

4:45 Theo Kassebaum—Bones to Herds, and Back Again: An Investigation into Age-at-Death Models Used in the Analysis of Sheep (Ovis aries) and Goat (Capra hircus) Remains

[130] **Symposium Constructing Chronologies II: The Big Picture with Bayes and Beyond**

*(Sponsored by The Society for Archaeological Sciences)*

*Time:* 1:00 p.m.–5:00 p.m.

*Chairs:* Lori Barkwill Love and Anthony Krus

**Participants:**

1:00 Lorena Becerra-Valdivia and Tom Higham—A Chronometric Study of the Peopling of the Americas

1:15 Jennifer Birch and Sturt Manning—Radiocarbon Chronology-Building and Relational Histories in Iroquoian Archaeology

1:30 Brandon Ritchison and Matthew Davidson—Modeling Fort Ancient: Legacy Data and Pathways to Improving Chronology in Late Precolonial Kentucky

1:45 Carla Hadden and Margo Schwadron—Shell Works of the Ten Thousand Islands, Florida: A Preliminary Settlement Model

2:00 Erick Robinson and Judson Finley—Developing High-Precision Chronologies for Fremont Foraging-Farming Transitions in Western North America

2:15 Lori Barkwill Love—Modeling the Early History of Maize in the North American Southwest

2:30 Myles Miller—Examining Multiple Groups of Chronometric Data Using Multiple Methods: An Example from the Prehispanic US Southwest

2:45 Caitlin Buck and James Zeidler—Tephrostratigraphic Correlation and Ceramic Seriation in Bayesian Calibration: A Case Study from Coastal Ecuador

3:00 Jonathan Hanna, Matthew Napolitano, Robert DiNapoli, Jessica Stone and Scott Fitzpatrick—Modeling Demographic Change in the Precolumbian Caribbean [Withdrawn]

3:15 Magdalena Schmid and Fiona Petchey—Will Summing of Radiocarbon Dates Unlock Scales of Socio-environmental Transformations?

3:30 Timothy Rieth, Robert DiNapoli, Anthony Krus and Derek Hamilton—Multiscalar Island Colonization Estimates through Bayesian Calibration Models [Withdrawn]
106  Friday Afternoon, April 16  Program of the 86th Annual Meeting  
All times are listed in Eastern Daylight Time

3:45  Derek Hamilton—Is La Tène (Still) Relevant in British Iron Age Chronology?
4:00  Annapaola Passerini—Radiocarbon Challenges: Tightening the Chronology of the Kura-Araxes Culture in the South Caucasus
4:15  Sturt Manning—With Precision Comes Variability: Complications in High-Resolution \(^{14}\)C Chronology in the East Mediterranean-Middle East
4:30  Michael Price—End-to-End Bayesian Inference for Summarizing Sets of Radiocarbon Dates
4:45  Victor Thompson—Discussant

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

[132]  SYMPOSIUM POSTCLASSIC MESOAMERICA: THE VIEW FROM THE SOUTHERN FRONTIER  
Time: 1:15 p.m.—4:15 p.m.
Chair: Geoffrey McCafferty
Participants:
1:15  Karen Bruhns—The Maya, the Nahua, and Lower Central America
1:30  Paul Amaroli—Classic through Postclassic in El Salvador
1:45  Kathryn Sampeck—Nahua Diaspora and Cacao
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All times are listed in Eastern Daylight Time

2:00 Virginia Ochoa-Winemiller—Crafting and Trading along the Banks of the Telica: Artisan Communities and Regional Interaction in Eastern Honduras and Beyond

2:15 Julien Sion, Jennifer Arguijo, Divina Perla-Barrera, Ricardo Rodas and Antolín Velásquez—Reorganización socio-política entre lago y montañas: El sitio de Los Naranjos y la cuenca de Yoojoa durante el Postclásico Temprano

2:30 Marie Kolbenstetter—Situating Mobility: Local and Regional Connectivities in and beyond the Gulf of Fonseca (AD 800–1520)

2:45 Larry Steinbrenner—The Mixteca-Puebla International Style as a Mesoamerican Marker in Postclassic Greater Nicoya: A Reevaluation

3:00 Alexander Geurds and Natalia Donner—Long-Distance Interaction in Central Nicaragua: An Archaeological View on Local Practices and Globalizing Postclassic Trends

3:15 Sharisse McCafferty and Geoffrey McCafferty—The Mexican Pantheon in Postclassic Pacific Nicaragua

3:30 Francisco Corrales-Ulloa and Yajaira Núñez Cortés—It Was Not Always the Frontier: Multicultural Interaction between Isthmo-Colombian and Mesoamerican Peoples in Central Costa Rica

3:45 John Hoopes, Geoffrey McCafferty and Sharisse McCafferty—Out of Mexico: An Archaeological Evaluation of the Migration Legends of Greater Nicoya

4:00 William Ringle—Discussant

[133] SYMPOSIUM  PLANT EXUDATES AND OTHER BINDERS, ADHESIVES, AND COATINGS IN THE AMERICAS

Time: 1:30 p.m.–4:30 p.m.

Chairs: Christina Bisulca and Emily Kaplan

Participants:


1:45 Taylor Burnell and Mark Sutton—New Methods for the Identification of Prehistoric Resins in the Southwest and Great Basin, USA: Proof of Concept

2:00 Tim Riley and Katy Corneli—Animal, Vegetable, Mineral? The Characterization of “Resins” Binding Composite Artifacts from the Northern Colorado Plateau

2:15 Rocio Velasco Fuentes, Marisol Reyes Lezama, Mayra León Santiago and Everardo Tapia Mendoza—Uso de resinas en el Centro de Veracruz: El caso de los braseros y sahumadores de los sitios arqueológicos de Nopiloa y El Zapotal

2:30 Yuko Kita, Annick Daneels and Alfonso Romo de Vivar—Bitumen as Stabilizer in Earthen Architecture of the Mesoamerican Gulf Coast
2:45  David Lentz and Brian Lane—Exudates and Resins Used by the Maya as Potential Candidates for Natural Bioactive Adhesives, Gums, and Protective Coatings

3:00  Monica Katz, Emily Kaplan, Richard Newman and Maria Cecilia Alvarez-White—Unresolved Questions in the Study of Mopa Mopa: History, Geography, and Chemistry

3:15  Emily Kaplan, Richard Newman and Christopher Beekman—Characterization of the Binder Used for Late Intermediate Period Ica Painted Wooden Boards

3:30  Lisa DeLeonardis, Dawn Kriss, Ellen Howe, Judith Levinson and Adriana Rizzo—Blue on Clay: Indigo as a Colorant in Andean Post-Fired Ceramic Paints

3:45  Joshua Henkin—Interdisciplinary Collaboration and Capacity Building for Characterizing Plant Exudates: On Supporting the Resilience of Future Endeavors in Residue Analysis

4:00  Kristof Cank, Joshua Henkin, Anita Cook and Nicholas Oberlies—A Nondestructive Natural Residue Analysis of Wari Ceramics using the Droplet Probe

4:15  Davide Domenici—Discussant

[134] FORUM REGIONAL LEADERSHIP FORUM
Time: 2:00 p.m.–4:00 p.m.
Moderator: Jaime Donta

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

[135] SYMPOSIUM A CONSTRUIR Puentes / BUILDING BRIDGES: DIALOGOS EN OAXACA ARCHAEOLOGY A TRAVÉS DE LAS FRONTERAS
Time: 2:00 p.m.–4:00 p.m.
Chairs: Pedro Ramon Celis and Marijke Stoll

Participants:
2:00  Marijke Stoll and Hilary Leatham—Changing Paradigms in Oaxaca Archaeology: Examining the Past to Understand Our Future

2:15  Danny Zborover—Debating Oaxaca Historical Archaeology

2:30  Stacie King—Ancient Oaxaca beyond Zapotecs and Mixtecs [Withdrawn]

2:45  Guy Hepp—Revisiting the Early Oaxacan Village: New Perspectives on Some of Mesoamerica’s First Settled Communities
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All times are listed in Eastern Daylight Time

3:00  Lacey Carpenter—Daily Life Past and Present: The Role of Relationships and Strategies in Structural Change
3:15  Pedro Ramon Celis—Archaeology in the Southern Isthmus of Tehuantepec, Oaxaca: After a Century of Explorations, What Has Changed?
3:30  Nelly Robles García—Discussant
3:45  Sarah Barber—Discussant

[136]  Symposium: Ancient Maya Embedded Economies  
(Sponsored by Society for Economic Anthropology)  
Time: 2:00 p.m.–4:45 p.m.  
Chairs: Rachel Horowitz and Bernadette Cap

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

[137]  Symposium: People and Space: Defining Communities and Neighborhoods with Social Network Analysis  
Time: 2:15 p.m.–4:00 p.m.  
Chairs: Adrian Chase and April Kamp-Whittaker

Participants:
2:15  Adrian Chase—Reconstructing and Testing Ancient Neighborhoods at Caracol, Belize
2:30 Jessica Munson—Living on the Edge: Alternative Network Models for Socio-spatial Analysis in Archaeology

2:45 Matt Peeples—Networks, Community Detection, and Critical Scales of Interaction in the US Southwest/Mexican Northwest

3:00 April Kamp-Whittaker—Social Networks and Community Features: Identifying Neighborhoods in a World War II Japanese American Incarceration Center

3:15 Neill Wallis and Thomas Pluckhahn—Understanding Multi-sited Woodland Communities of the American Southeast through Categorical Identities and Relational Connections

3:30 Allison Smith and Elliot Blair—A Social Network Exploration of Models of Social Space and Community Organization at Moundville


[138] **FORUM** The Colossal Ilopango Volcanic Eruption in El Salvador and the Mid-Sixth-Century Worldwide Climatic Crisis
*Time:* 3:00 p.m.–5:00 p.m.
*Moderators:* William Fowler and Payson Sheets

**Participants:**
- Robert Dull—Discussant
- Joel Gunn—Discussant
- Jon Lohse—Discussant
- Timothy Beach—Discussant
- William Fowler—Discussant

[139] **SYMPOSIUM** The Precolumbian Dotted-Diamond-Grid Pattern: References and Techniques
*Time:* 3:30 p.m.–5:00 p.m.
*Chairs:* Billie Follensbee and Lois Martin

**Participants:**
- 3:30 Billie Follensbee—Diamonds in the Rough: Olmec and Olmec-Related Occurrences of the Rhombus Motif and Its Variations
- 3:45 Chantal Huckert—The Grid Patterns in the Vestments and Headdresses of Female Statuary from the Classic Period Cultures of Central Veracruz
- 4:00 Juliette Testard—“Serpent Skin” and “Diamond Grid” Motifs on Epiclassic and Postclassic Figurines Skirts
- 4:15 Lois Martin—Symmetries of Corn and Cloth in the Ancient Americas: Pattern Generation, Botany, and the Maize Matrix
- 4:30 Laura Wingfield—Jaguar Fur, Snake Skin, Woven Baskets, and the Milky Way: The Dot-Grid Pattern from Nicaragua to Ecuador
- 4:45 Laurie Webster—Snakeskin and Corn Markings: The Dotted-Diamond-Grid Pattern in the US Southwest
[140] **GENERAL SESSION: MULTI-REGIONAL RESEARCH USING LITHIC ANALYSIS**  
*Time:* 3:30 p.m.–5:00 p.m.  
*Chair:* Steven Rospopo

**Participants:**

3:30  
Kelsey Sullivan, Kenichiro Tsukamoto and Jaime Awe—Craft Specialization in the Hinterland: Lithic Tool Production within Dispersed Urban Landscapes at El Palmar (Campeche, Mexico) and across the Maya Lowlands

3:45  
Steven Rospopo and Linda Wheelbarger—Evaluation of Occupation History Using Comparative Lithic Analysis at the Point Pueblo LA 8619, San Juan County, New Mexico

4:00  
Arturo de Lombera-Hermida, Geoffrey Clark, Xosé Pedro Rodríguez-Alvarez and Ramón Fábregas Valcarce—Dealing with “Second-Rated” Raw Materials: The Management of Quartz and Quartzite by the Westernmost Cantabrian Upper Paleolithic Groups

4:15  
Theresa Barket, Felicia De Peña and Ahmad Thaher—New Insights from a Reanalysis of the Flaked-Stone Assemblage from the Neolithic Site of Wadi Shu’eib, Jordan

4:30  
Jeanne Binning—Bipolar Reduction Revisited

4:45  
Susan Snow, Lynn Kim and Steve Davis—Beta Testing a New Gunflint Database Using Citizen Scientists in the Time of COVID

[141] **GENERAL SESSION: NEW AND ONGOING RESEARCH IN EAST ASIA**  
*Time:* 3:30 p.m.–5:00 p.m.  
*Chair:* Pei-Lin Yu

**Participants:**

3:30  
Yoko Nishimura—Energizing Museum “Diaspora” Collections for Archaeological Research: A Case Study from Jōmon-Period Japan

3:45  
Luc Doyon, Zhanyang Li, Hui Fang and Francesco d’Errico—A Paleolithic Bird Figurine from the Lingjing Site, Henan, China

4:00  
Pei-Lin Yu—Island Arrivals: The Ideal Free Distribution and Prey Choice Models in Neolithic Taiwan and Beyond

4:15  
Koji Mizoguchi and Junko Uchida—The Renewal of Remembrance and Political Order: An Example from the Late Shang, China

4:30  
Yuqi Xiao—The Making of Bronzes and Frontiers: An Archaeometallurgical Case Study of Bronze Finds in Southern Hunan, China, from 475 BCE–220 CE

4:45  
Scott Lyons—Reconstructing Ironworking on the Fifth- and Sixth-Century Osaka Plain
[142] **GENERAL SESSION ▸ ETHNOARCHAEOLOGY AND EXPERIMENTAL ARCHAEOLOGY**  
**Time:** 3:45 p.m.–4:30 p.m.  
**Participants:**  
3:45  Paul Roscoe—Social Substitutability and the Origins of War: An Alternative Theory  
4:00  Joseph Wayman—LCT Movement due to Animal Locomotion: Model Experiments in a Trail Box  
4:15  Kate Shantry—Enamel Rocks Resulting from Culturally Heating of Quartzite

[143] **GENERAL SESSION ▸ LAND USES, INTERACTIONS, AND ICONOGRAPHY IN THE SOUTHWEST UNITED STATES**  
**Time:** 3:45 p.m.–5:00 p.m.  
**Chair:** Mindy Bonine  
**Participants:**  
3:45  Mindy Bonine—Introduction to the Headwaters Site, New Braunfels, Texas  
4:00  Gary Perez, Joe Tellez, Andrew May, Janet Stock and Alfred Alaniz—Pictograph Iconography and Geologic Realities at 41VV124 The White Shaman Mural  
4:15  R. Scott Plumlee, Kyle Woodson, Craig Fertelmes, Chris Loendorf and Steven Forman—Mind the Gap: Absolute Dating of Middle Gila River Canals Provides Evidence for 1,500 Years of Continuous Irrigation Agriculture in the Phoenix Basin  
4:30  Christopher Caseldine—Political Water: Hohokam Irrigation and Sociopolitical Organization in Canal System 2, Lower Salt River Valley, Central Arizona  
4:45  Robert Stokes and Joseph McConnell—A Mimbres Mogollon Sacred Landscape as Seen from an Early Classic Period Communal Structure at City of Rocks State Park, Southwestern New Mexico
Saturday Morning ■ April 17, 2021

[144] **Symposium: Documenting Demographics in Archaeological Publications and Grants**

*Time*: 8:00 a.m.–9:30 a.m.

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

**Participants**:

8:00 Tiffany Fulkerson and Shannon Tushingham—Making the Data Count: Analyzing Inequities and Challenging Epistemic Injustice in Archaeological Discourse

8:15 Sarah Herr, Lynn Gamble, Julia Hendon, Calogero Santoro and Christina Rieti—Assessing Diversity in the Society for American Archaeology Journals


8:45 Samantha Stone and Samuel Burns—Voices in Conversation: Assessing 36 Years of Demographics in a Professional Archaeology Newsletter

9:00 Yichun Chen and Ben Marwick—Correlations between Gender and Research Topics at Three Major Archaeology Conferences

9:15 Catherine Jalbert and Laura Heath-Stout—A Study of Methods and Demographics in National Science Foundation Archaeology Grants, 2013–2020

[145] **Symposium: Northern Rio Grande History: Routes and Roots**

*Time*: 8:00 a.m.–9:45 a.m.

**Chair**: Severin Fowles

**Participants**:

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

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

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

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

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

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

9:30 Julia Morris—On the Road and in Place: A Material History of the New Buffalo Commune, New Mexico
SYMPOSIUM TO MOVE FORWARD WE MUST LOOK BACK: THE SLAVE WRECKS PROJECT AT 10 YEARS  
Time: 8:00 a.m.—9:45 a.m.  
Chair: Meredith Hardy

Participants:
8:00 Meredith Hardy—Engaging the Present by Uncovering the Past: Community Archaeology and the Legacy of Enslavement, Resistance, and Emancipation, St. Croix, US Virgin Islands
8:15 Nicole Cannarozzi—The Zooarchaeology of the Christiansted National Historic Site St. Croix, USVI
8:30 Michelle Gray and Meredith Hardy—African and Afro-Caribbean Cultural Identity, Vessel Function, and Inter-island Connectedness in Eighteenth-to Nineteenth-Century St. Croix, US Virgin Islands
8:45 Stephen Lubkemann, Paul Gardullo, Jaco Boshoff, Yolanda Pinto Duarte and David Morgan—Toward a Transformative Maritime Archaeology of the Slave Trade: Reflections from the Slave Wrecks Project Research Programs in Mozambique and South Africa
9:00 Jaco Boshoff—Archaeological Identification, Investigation, and Implications of the Portuguese Slaver São José Paquette de Africa
9:15 Ricardo Duarte, Yolanda Duarte and Stephen Lubkemann—Mozambican Maritime Landscapes of Slaving and Exchange: New Directions

GENERAL SESSION APPROACHES TO NEW WORLD COLONIALISM  
Time: 8:00 a.m.—9:30 a.m.  
Chair: Esteban Miron Marvan

Participants:
8:00 David Reid—Dating a Wari D-Shaped Temple: New Radiocarbon Evidence from Pakaytambo, Arequipa, Peru
8:15 Maria Smith and Alex Garcia-Putnam—Behind the Man of “Pro and Profit”: Weaving a Colonial City from the Obraje de San Marcos de Chincheros
8:30 Esteban Miron Marvan—History and Archaeological Heritage and the Modern Maya
8:45 Diane Wallman, Mark Hauser, Douglas Armstrong and Kenneth Kelly—The Archaeology of Indigenous-European Interaction at LaSoye 2, Dominica, a Sixteenth- to Eighteenth-Century Trading Settlement
9:00 Christopher Rodning and Stephen Acabado—Game Theory, Chaos Theory, and the Archaeology of Indigenous Responses to Global Spanish Colonialisms
SYMPOSIUM SOCIAL ARCHAEOLOGY IN THE NORTH AND NORTH ATLANTIC (SANNA 3.0): INVESTIGATING THE SOCIAL LIVES OF NORTHERN THINGS
Time: 8:00 a.m.–10:00 a.m.
Chairs: Michele Hayeur Smith and Kevin Smith
Participants:
8:00 Lisabet Guðmundsdóttir—Driftwood, a Lifeline in the Arctic: Production of Artifacts from Driftwood in Northwest Iceland and Norse Greenland
8:15 Michele Hayeur Smith—Invisible Women in a World of Men: The Textile Trade in the North Atlantic, AD 1000–1600
8:30 Charles Steinman, Michele Hayeur Smith and Soumen Mallick—The North Atlantic Wool Trade, ca. 1000–1400: A Strontium Isotope Approach
8:45 Kevin Smith and Gudmundur Olafsson—Of Monsters and Men: Material Culture, Movement, and Symbolism at Surtrshellir, a Western Icelandic Viking Age Ritual Site
9:00 Véronique Marengère, Kevin Smith and James Woollett—What Does a Fire Giant Eat? A Zooarchaeological Analysis of Surtrshellir’s Burnt Faunal Remains
9:15 Karen Ryan, Elsa Cencig, Susan Lofthouse and Tommy Weetaluktuk—The Qajartalik Petroglyph Site
9:30 James Woollett and Héloïse Barbel—From Omajuk to NiKik: The Variable Transformation of Animals into Social Things among the Historic Period Labrador Inuit
9:45 William Fitzhugh, Michael Mlyniec and Igor Chechushkov—More Than Just a Pot: The Social Life of Soapstone Vessels among the Southern Labrador Inuit [Withdrawn]

SYMPOSIUM RECENT INNOVATIONS IN ECUADORIAN ARCHAEOLOGY
Time: 8:00 a.m.–10:30 a.m.
Chairs: Valentina Martinez, Amelia Sánchez Mosquera and Jonathan Damp
Participants:
8:00 Jonathan Damp—Castellated Rims and Silica Bodies: Rethinking Valdivia
8:15 Juan Jijon—Lidar Application in the Cerros Hojas-Jaboncillo, Manabí, Ecuador
8:30 Atsushi Yamamoto, Juan Pablo Vargas and Oscar Arias Espinoza—Investigations in the Valley of Cañar, Ecuador: Preliminary Results at Cerro Narrio and Loma de Pinshul
8:45 Sara Ayers-Rigsby, Victoria Dominguez and Valentina Martinez—Climate Change in Coastal Ecuador
9:00 Valentina Martinez and Andres Garzon—Landscapes, Architecture, and Settlement Patterns: Reflections on the Territorial Expansion of the Manteños

9:15 Jorge Flores—Salt Exploitation in the Northern Ecuadorian Highlands: A Substance of Transformations

9:30 Manuel Castro-Priego, Lauro Olmo-Enciso and Marcos Octavio Labrada Ochoa—New Manteños Social Spaces: The Materiality of Ligüíqui (Manabí, Ecuador)

9:45 Amelia Sánchez Mosquera—Agricultura ancestral y dinámica social en Quito desde el Formativo hasta la República Temprana

10:00 Miriam Domínguez—An Archaeological History of the Tamaylacha (Jubones) River Basin, circa First Millennium BCE

10:15 Maria Masucci—Discussant

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

Time: 8:00 a.m.—11:00 a.m.
Chair: Scott Macrae

Participants:
8:00 Joyce White, Bounheuang Bouasisengpaseuth, Helen Lewis, Michael Griffiths and Kathleen Johnson—Middle Mekong Archaeological Project: Overview and New Data

8:15 Gyles Iannone—Searching for Bagan’s Peri-Urban Neighborhoods: Some Initial Results

8:30 Scott Macrae, Gyles Iannone, Saw Tun Lin and Nyein Chan Soe—Ancient Inscriptions and Climate Change: A Study of Water Management at the Ancient Capital of Bagan, Myanmar

8:45 Alison Carter and Sarah Klassen—Diachronic Modeling of the Population within the Greater Angkor Settlement Complex

9:00 Piphal Heng, Miriam Stark, Alison Carter and Rachna Chhay—Urban Life Histories, Long-Term Angkorian Urbanism, and the Kok Phnov Site

9:15 Sarah Klassen, Scott Ortman and José Lobo—Increasing Returns to Agricultural Intensification at Angkor, Cambodia

9:30 Andrew Harris—Theravada Buddhist Monastic Activity at Angkor: A Discussion of What, Where, and When

9:45 Mitch Hendrickson, Stéphanie Leroy, Enrique Vega and Kaseka Phon—Iron Scales: Reconstructing the History and Organization of Angkorian Iron Smelting around Phnom Dek, Cambodia (Ninth to Fifteenth Centuries CE)

10:00 Kendall Hills and Aldo Foe—Regional Analysis and Monumentality in Southeast Asia: Case Studies from Cambodia and Indonesia
10:15  Tiyas Bhattacharyya, Alison Carter, Miriam Stark, Peter Grave and Lisa Kealhofer—Angkor from the Outside In: Incorporation into the Angkorian State as Seen through the Distribution of Stoneware Ceramics
10:30  David Brotherson—New Perspectives on the Demise of Angkor
10:45  Christopher Buckley—The Past inside the Present: Interpreting Archaeological Evidence of Weaving in Mainland Southeast Asia in the Light of Present-Day Textile Making Traditions

[151]  SYMPOSIUM FROM VELD TO COAST: DIVERSE LANDSCAPE USE BY HUNTER-GATHERERS IN SOUTHERN AFRICA FROM THE LATE PLEISTOCENE TO THE HOLOCENE
Time: 8:00 a.m.–11:00 a.m.
Chairs: Benjamin Collins and Aurore Val
Participants:
8:00  Benjamin Collins, Ayanda Mdludlu, Jayne Wilkins, April Nowell and Christopher Ames—Evolving Social Networks during the Late Pleistocene: An Interior Perspective from Grassridge Rockshelter, South Africa
8:15  Aurore Val, Paloma de la Peña, May Murungi, Frank Neumann and Dominic Stratford—On the Edge of the Kalahari: New Excavations of the Middle Stone Age Deposits at Olieboomspoort, South Africa
8:30  Paloma de la Peña and David Witelson—Introducing "Project Piedemonte": Between the Maloti-Drakensberg and the Great Escarpment in the Eastern Cape Province, South Africa
8:45  Giulia Ricci, Aurore Val and Guillaume Porraz—The Technological Sequence of Heuningneskrans (Limpopo, South Africa) around the Time of the Last Glacial Maximum
9:00  Jonathan Haws, Nuno Bicho, João Cascalheira, Mussa Raja and Milena Carvalho—Stone Age Archaeology in the Lower Save River Valley, Southern Mozambique
9:15  Benjamin Schoville and Jayne Wilkins—Late Pleistocene Occupation in the Southern Kalahari: New Results from the North of Kuruman Paleoarchaeology Project
9:30  Natasha Phillips, Ian Moffat, Matthew Shaw, Christopher Ames and Alex Mackay—Investigating the Formation History of Surface Archaeology in the Doring River Valley, South Africa [Withdrawn]
9:45  Teresa Steele, Alex Mackay and Mareike Stahlschmidt—Life in the Margins: The Pre-Still Bay Deposits from Varsche River 003, Southern Namaqualand, South Africa
10:00  Gregor Bader, Lyn Wadley, Christian Sommer and Nicholas Conard—A Regional Perspective on the Final MSA in KwaZulu-Natal, South Africa
10:15  Brian Stewart, Kyra Pazan and Genevieve Dewar—That High Lonesome Sound: The MIS 5a (~80 ka) Middle Stone Age Lithic Assemblages from Melikane Rockshelter, Highland Lesotho [Withdrawn]
10:30  Sara Watson and Naomi Cleghorn—Technological Organization on the Paleo-Agulhas Plain: Robberg Lithic Technology from Knysna Eastern Heads Cave 1
10:45  Erich Fisher, Stephan Winkler, Shara Bailer, Hayley Cawthra and Irene Esteban—Update on Research at the Site of Waterfall Bluff, Eastern Cape Province, South Africa [Withdrawn]

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

**Time:** 8:00 a.m.–11:15 a.m.

**Chair:** Kyle Shaw-Müller

**Participants:**

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

11:00  George Micheletti, Terry Powis and Norbert Stanchly—Investigating the Contexts of An Early Classic Carved Monument at the Maya site of Pacbitun, Belize
[153] **SYMPOSIUM**

**FEMALE FIRSTS: CELEBRATING ARCHAEOLOGY’S PIONEERING WOMEN ON THE 101ST ANNIVERSARY OF THE 19TH AMENDMENT**

* (Sponsored by History of Archaeology Interest Group [HAIG])

**Time:** 8:00 a.m.–11:30 a.m.

**Chairs:** Kelly Pool and Katie Kirakosian

**Participants:**

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

[154] **SYMPOSIUM**

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

**Time:** 8:30 a.m.–11:30 a.m.

**Chair:** Vera Tiesler

**Participants:**

8:30  Carlos Rincon Mautner—Toward an Ideology of Mesoamerican Ritual Sacrifice: An Interdisciplinary Approach
8:45  Guilhem Olivier and Vera Tiesler—Open Chests and Broken Hearts: New Perspectives on Human Heart Sacrifice in Mesoamerica
9:00  Virginia Miller—The Disembodied Eye in Maya Art and Ritual Practice
9:15 Nelda Issa Marengo, José Osorio León and Francisco Pérez Ruíz—The Funerary or Nonfunerary Human Assemblages from the Initial Series Group at Chichen Itza

9:30 Judith Ruiz, Isabel Casar Aldrete and Vera Tiesler—Human Sacrifice and Body Processing in Late Eastern Mesoamerica: New Evidence from Toniná, Lagartero, and Champaotón

9:45 Guido Krempel—Venerating Death and Fertility: Implications of Late Terminal Classic Maya Use of Monuments with Skeletal Imagery

10:00 Emilie Carréon Blaine—Mesoamerican Ballgame, Human Sacrifice, Ritual Decapitation, and Trophy Taking: Variations in Ways of Displaying

10:15 Vera Tiesler and Virginia Miller—Heads, Skulls, and Sacred Scaffolds: New Studies on Ritual Body Processing and Display among the Ancient Maya of Yucatan

10:30 Susan Milbrath—Take My Heart, Take My Head: Death among Gods in the Codex Borgia

10:45 Angel González López, Jeremy Coltman, Karl Taube and Travis Stanton—Blood on the Stones: Heart Sacrifice and Sacrificial Altars in the Northern Maya Lowlands and Mexico-Tenochtitlan

11:00 Elizabeth Baquedano—Decapitation and the Vulnerable Nature of Joints among the Aztecs

11:15 Rubén Mendoza—Discussant

[155] General Session: From the Classic Period to the Postclassic in Highland Mesoamerica

Time: 8:30 a.m.—11:30 a.m.

Chair: Jennifer Faux-Campbell

Participants:

8:30 Jennifer Faux-Campbell—Human Representations of Structure: A Theoretical Examination of Half-Conical Figurines from Teotihuacan, Mexico

8:45 Sarah Loomis—Sacrifice and the Skeleton: Mortuary Archaeology at Los Guachimontones

9:00 Edgar Carpio—Flint Artifacts in Salinas de los Nueve Cerros: An Approach to Production and Consumption

9:15 Eunice Villasenor Iríbe and Christopher Morehart—Landscape Modification and Agricultural Production on Cerro Ahumada, Mexico

9:30 Caroll Davila, Ivan Rivera and Jennifer Saumur—I’ya Xi’ná Santuario de la lluvia en San Juan Luvina, Sierra Norte, Oaxaca, Mexico

9:45 Jonathan Extract—Nomadic Charters: Mimicry and Heterotopia in the Nahua Festival of Quecholli

10:00 Liana Jiménez Osorio and Emmanuel Posselt Santoyo—La gran línea de vida: Una arqueología alternativa para el contexto de los Pueblos Indígenas
10:15 Emmanuel Posselt Santoyo and Liana Jiménez Osorio—El paisaje del Yuvui Tayu de Ñuu Ndaya, Mixteca Alta, Oaxaca, México
10:30 Rosa Alcántara and Sandra Santiago—Archaeological Research in the Historical Center of Xochimilco
10:45 Elena Mazzetto—Women Who Create and Feed the Gods: Female Priestly Work in Mesoamerica and the Andean Area
11:00 Ryohei Takatsuchi, Nawa Sugiyama, Saburo Sugiyama, Tanya Catignani and Yolanda Peláez Castellanos—Spatial Distribution of Ceramics and Lithics at the Plaza of the Columns Complex, Teotihuacan, Mexico
11:15 Kristin De Lucia and Linda Scott Cummings—Residue Analysis of Cooking Vessels from Early Postclassic Xaltocan, Mexico

**Symposium: Thinking about Eating: Theorizing Foodways in Archaeology**
*Time:* 8:45 a.m.—11:30 a.m.
*Chairs:* Katherine Chiou and Christine Hastorf

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

**Symposium: Indigenous Stories of the Inka Empire: Local Experiences of Ancient Imperialism**
*Time:* 9:00 a.m.—11:15 a.m.
*Chairs:* Carla Hernández Garavito and Kasia Szremski

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

[158] SYMPOSIUM: THE SUBTERRANEAN IN MESOAMERICAN INDIGENOUS CULTURE AND BEYOND
Time: 9:00 a.m.–11:15 a.m.
Chairs: James Brady and Cristina Verdugo

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

**Time:** 9:00 a.m.–11:30 a.m.

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

**Participants:**

9:00    Kimberly Munro—Revitalization and Acts of Renewal at the Kareycoto Mound: The Terminal Early Horizon at the Cosma Complex, Ancash, Peru

9:15    David Chicoine, George Lau and Jacob Bongers—Post-Chavín Political Developments in Ancash: Comparative Perspectives from the Nepeña and Pallasca Regions

9:30    Ivan Ghezzi—Chankillo as a Fortification and Post-Chavín Warfare in Casma, Peru [Withdrawn]

9:45    Patrick Mullins and Brian Billman—Transition in a Place Between: Salinar Phase (500 BCE–CE 1) Settlement Patterns in the Chaupiyunga of the Moche Valley

10:00   Gabriel Prieto—At the Dusk of Chavín: Social, Economic, Political, and Ideological Implications as Viewed from a Fishing Settlement in the North Coast of Peru

10:15   Giñana Comeca Ramirez, Gabriel Prieto and Pilar Babot—Scraping the Pots: Residue Analysis of Salinar Ceramic Vessels Found in Domestic Contexts at Pampa la Cruz, Huanchaco, North Coast of Peru

10:30   Jordi Rivera Prince and Gabriel Prieto—A “Salinar Period” Cemetery at the José Olaya Site: Preliminary Demography of a Post-Chavín Maritime Community in the Moche Valley

10:45   Richard Sutter, Gabriel Prieto, Jordi Rivera and Celeste Gagnon—The Biological Relatedness between the Salinar (400 BC–AD 100) and Other Prehistoric Populations of the North Coast of Peru: A First Approximation Using Nonmetric Dental Traits

11:00   Sam Ghavami—Thinking Transition: The Processes of Ethnogenesis

11:15   Hugo Ikehara Tsukayama—Discussant

[160] **Forum: Worried about Finding Work? How to Interview, Prepare Resumes, and Write Technical Documents**

**Time:** 9:15 a.m.–11:15 a.m.

**Moderators:** David Witt, Jennifer Lapp and Kimball Banks

**Participants:**

Nathan Allison—Discussant
Nathan Boyless—Discussant
Casey Campetti—Discussant
Desireé Martinez—Discussant
Kristy Primeau—Discussant
Linda Scott Cummings—Discussant
Rebecca Simon—Discussant
Joshua Wells—Discussant

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

**Time:** 9:30 a.m.—11:30 a.m.

**Moderators:** Katharine Kolpan and Samantha Blatt

**Participants:**
Julia Prince-Buitenhuys—Discussant
Stacy Drake—Discussant
Samantha Blatt—Discussant
Katharine Kolpan—Discussant
Ellen Lofaro—Discussant
Maranda Kles—Discussant
John Krigbaum—Discussant
Andrew Somerville—Discussant
Sarah Kindschuh—Discussant

[162] **FORUM: TEACHING INTEGRITY IN EMPIRICAL ARCHAEOLOGY**

(Sponsored by Open Science in Archaeology Interest Group)

**Time:** 9:45 a.m.—11:45 a.m.

**Moderators:** Ben Marwick and Alan Farahani

**Participants:**
Li-Ying Wang—Discussant
Raven Garvey—Discussant
Alan Farahani—Discussant

[163] **SYMPOSIUM: DEEP HISTORY, COLONIAL NARRATIVES, AND DECOLONIZATION IN THE NATIVE CHESAPEAKE**

**Time:** 9:45 a.m.—12:00 p.m.

**Chairs:** Martin Gallivan and Julia King

**Participants:**
9:45 Martin Gallivan and Jessica Jenkins—Deep History, Colonial Encounters, and Revitalization in the Algonquian Chesapeake
10:00 Jessica Young—Taskscapes and Social Sustainability: Archaeobotanical and Ethnohistorical Interpretations from the Chesapeake
10:15 Taylor Triplett—The Hand Site, Revisited: A Collections-Focused Approach to Recentering Deep History in the Lower Middle Atlantic
10:30 Christopher Shephard—Material Bodies, Living Objects: Bodily Adornment and Death in the Algonquian Chesapeake
10:45 Dane Magoon—Powhatan’s Pearls: Power, Prestige, Profit, and Identity in Coastal Virginia during the Late Woodland and Contact Periods
Program of the 86th Annual Meeting  Saturday Morning, April 17

All times are listed in Eastern Daylight Time

11:00  Buck Woodard and Danielle Moretti-Langhortz—Provenance and Power: Decolonizing Powhatan’s Mantle
11:15  Julia King—Bridging the Divide: A Study of Fourteenth- to Eighteenth-Century Native Settlements in the Middle Chesapeake
11:30  Ellen Chapman and Victoria Ferguson—Toward a Decolonized CRM: Challenges in Archaeological Stewardship and Interpretation for Virginia Tribes
11:45  Jeffrey Hantman—Discussant

[164]  **Forum • Constructing Chronologies III: Where Do We Go from Here?**

**Time:** 10:00 a.m.–12:00 p.m.

**Moderators:** Thomas Dye and Lori Barkwill Love

**Participants:**
Timothy Rieth—Discussant
Edward Harris—Discussant
Michael O’Brien—Discussant
Brendan Culleton—Discussant
Caitlin Buck—Discussant

[165]  **Forum • Archaeological Approaches to Anthropogenic Fire and Global Pyrodiversity**

**Time:** 10:00 a.m.–12:00 p.m.

**Moderator:** Grant Snitker

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

[166]  **General Session • Religion, Ritual, and Spiritual Worldview: Current Research**

**Time:** 10:30 a.m.–11:30 a.m.

**Chair:** Saša Caval

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

[167] Symposia: Water and Sanitation Management in the Mediterranean
Time: 10:30 a.m.–12:00 p.m.
Chairs: Kate Trusler and Wayne Lorenz
Participants:
10:30  Kate Trusler, Gwen Martin-Apostolatos, Wayne Lorenz, Jessica Bernstetter and Amie Green—Around the Neighboring Watering Hole: Comparative Analysis of Fountains in Pompeii and Herculaneum
10:45  Wayne Lorenz—Mosaic Water Fountains in Pompeii
11:00  Jessica Bernstetter—Architectural Visibility Analysis: Understanding Domestic Space in Roman Pompeii, Italy
11:15  Meisha Hunter Burkett, Allan Ceen, Mattia Crespi and Augusto Mazzoni—Acquedotto Vergine: Stewardship of Ancient Water Infrastructure in the Modern Roman Periferia
11:30  Eric Poehler—Discussant
11:45  Meisha Hunter Burkett—Discussant [Withdrawn]

[168] General Session: Topics in Near Eastern and Southern Caucasus Archaeology
Time: 10:45 a.m.–12:00 p.m.
Chair: Ian Kuijt
Participants:
10:45  David Berikashvili—Cultural Transitions through the Centuries in the South Caucasus (New Archaeological Data from Samshvilde)
11:00  Ian Kuijt and Arkadiusz Marciniak—How Many People Lived in Early Villages? Reconsidering Neolithic Demography at Çatalhöyük
11:15  Mitra Panahipour—Deh Luran Archaeological Landscape: A Reassessment [Withdrawn]
11:30  Petra Creamer—Death and Taxes in the Ancient Assyrian Empire: Pictures of Wealth Inequality in Provincial Settlements
11:45  Matthew Howland, Brady Liss, Mohammad Najjar and Thomas Levy—Integrating Digital Datasets into Public Engagement through ArcGIS StoryMaps
[169] General Session: Material Remains: Looking at Artifacts in Multi-regional Contexts

Time: 11:00 a.m.–11:45 a.m.

Chair: Krista Eschbach

Participants:

11:00  J. M. Adovasio—Fifty Years with Baskets
11:15  Krista Eschbach and John Worth—Ceramics, Categorical Identification, and the Changing Social Structure of the Spanish American Colonies
11:30  Emily Anderson—Giants in the Hand: Scale, Materiality, and the Unique Social Lives of Seal Stones
Saturday Afternoon, April 17

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Saturday Afternoon • April 17, 2021

[170] **GENERAL SESSION: APPLICATIONS OF PALEOETHNORBOTANY**

**Time:** 1:00 p.m.–2:30 p.m.

**Chair:** Blanca Maldonado

**Participants:**

1:00 Joshua Porter, Alison Brooks, Scott Whittaker and John Yellen—Analysis of a Jun/Wasi Nut Cracking Stone from Western Ngamiland, Botswana: Implications for the Origins of Hominin Technology

1:15 Nicolette Edwards—Exploitation of Canarium versus African Oil Palm by Ancient Hunter-Gatherers in Tropical Africa

1:30 Ryan Szymanski—Historical Ecology of Demographic and Economic Change in the Highlands of Western Kenya: Archaeobotanical and Mycological Evidence

1:45 Blanca Maldonado—Ethnoarchaeological Research of Traditional Charcoal Production in Central Michoacán, Mexico

2:00 Sebastian Salgado-Flores—Postclassic Firewood Management at Mensabak, Chiapas, Mexico: Using Forest Surveys and GIS Modeling to Predict Charcoal Midden Composition

2:15 Victor Emmanuel Salazar Chávez and Jeffrey Blomster—Quotidian and Ritual Use of Maize at Early Formative Etlatongo, Oaxaca, Mexico

[171] **GENERAL SESSION: PRODUCTION AND TRADE: INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS (INAA)**

**Time:** 1:00 p.m.–2:30 p.m.

**Chair:** Leah Minc

**Participants:**

1:00 Fumie Iizuka, Jeffrey Ferguson and Masami Izuho—Geochemical Provenance Analysis of Pre-Younger Dryas Pottery from Southern Japan Using Neutron Activation

1:15 Ana Navas—Compositional and Technological Analysis of Panamanian Colonial Utilitarian Wares

1:30 Leah Minc, Marcus Winter and Cira Martínez López—Intra-valley Exchange before the Rise of Monte Albán: New Data from Trace-Element Analyses of Rosario Phase Ceramics

1:45 Sarah Breault, Jeffrey Blomster, Daniel Pierce and Michael Glascock—Local and Imported Ceramics from a Feasting Assemblage at Etlatongo: Preliminary INAA Results

2:00 Dawn Crawford, Michael Callaghan, Daniel Pierce, William Gilstrap and Brigitte Kovacevich—Ceramic Production during the Terminal Classic at Holtun, Guatemala

2:15 Anya Frashuer, Christopher Carr and Michael Glascock—Ceramic Exchange and Community Organization of Middle Woodland Period Hopewell Groups in the Scioto Valley, Ohio
[172] **Forum: Teaching and Training in Geoarchaeology: Pedagogical Methods and Curricular Pathways**  
*Sponsored by Geoarchaeology Interest Group*  
**Time:** 1:00 p.m.–3:00 p.m.  
**Moderators:** Carlos Cordova and Andrea Freeman  
**Participants:**  
Jesi Halligan—Discussant  
Mike Carson—Discussant  
Timothy Beach—Discussant  
Vance Holliday—Discussant  
Lisa Maher—Discussant  
Justin Holcomb—Discussant  
Andrea Freeman—Discussant  
Rolfe Mandel—Discussant

[173] **Symposium: Bayesian Archaeology**  
*Sponsored by Quantitative Methods & Statistical Computing Interest Group [QUANTARCH]*)  
**Time:** 1:00 p.m.–3:00 p.m.  
**Chairs:** Jesse Wolfhagen and Erik Otárola-Castillo  
**Participants:**  
1:00  
Erik Otárola-Castillo—Why a Bayesian Archaeology? A Pain-Free Introduction  
1:15  
Jesse Wolfhagen—Why Not a Bayesian Archaeology? Debunking Misconceptions about Bayesian Statistics  
1:30  
Kevin Schwarz—Iterative Temporal Hygiene and Bayesian Analyses of Radiocarbon Datasets: The Impact of Kernel Density Estimation on Clarifying Temporal Relationships among Woodland Period Phases, Middle Scioto Valley, Ohio  
1:45  
James Karbula—A Critical Reevaluation of Radiocarbon Ages from the Berdoll Site (41TV2125), in Support of Refined Site Spatial and Contextual Analyses  
2:00  
Philip Hitchings and Edward Banning—The Use of Bayesian Allocation for the Optimization of Archaeological Survey Effort  
2:15  
Li-Ying Wang and Ben Marwick—Bayesian Exponential Random Graph Modeling of an Iron Age Burial Network in Northeastern Taiwan  
2:30  
Alejandra May, Melissa Torquato, Trevor Kevil, Lauren Christopher and Erik Otárola-Castillo—The Effect of Climate Change and Human Predation on the Niche Space of North American Proboscideans  
2:45  
Sarah Coon, Erik Otárola-Castillo, Jacob Harris and Curtis Marean—Morphometric Comparison of Early Hominin Butchery Evidence to Carnivore Modifications within a Bayesian Framework
[174] **GENERAL SESSION: ANALYSES, SURVEY, AND DIGITAL ARCHAEOLOGY ACROSS EUROPE**

Times: 1:00 p.m.–3:00 p.m.

Chair: Petya Hristova

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

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

Times: 1:00 p.m.–3:15 p.m.

Chairs: Weston McCool and Kate Magargal

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

[176]  **Symposium: Archaeoaoustics: Sound, Hearing, and Experience in Archaeology**
  **Time:** 1:00 p.m.–2:45 p.m.
  **Chair:** Kristy Primeau

**Participants:**
1:00  Kristy Primeau—Current Trends in Archaeoaoustics
1:15  Jonathan Goldner—Listening to Wood: Material Engagements with Sound and Trees
1:30  Angela Bellia—Aural Experiences in the Performative Spaces of the Past
1:45  Heather Richards-Rissetto, Kristy Primeau and David Witt—Incorporating Vegetation Reconstruction in Computational Landscape Archaeoaoustics: An Ancient Maya Case Study
2:00  Agata Calabrese—Lamenting the Dead: The Acoustic Element in Bronze Age Funerary Rituals in Syro-Mesopotamia
2:15  Chester Liwosz—Selective Hearing: Toward a Puebloan Probability Model for Archaeoaoustic Landscape Properties Using Iconography and Geophysical Variables
2:30  David Witt—Discussant

[177]  **Symposium: Central Mexico after Teotihuacan: Everyday Life and the (Re)Making of Epiclassic Communities**
  **Time:** 1:00 p.m.–3:45 p.m.
  **Chairs:** Sarah Clayton and Michelle Elliott

**Participants:**
1:00  Natalia Moragas—“Closed by Refurbishment”: A General Overview of Teotihuacan from Classic to Epiclassic Times
1:15  Marion Forest and Andrew Somerville—Return to Hacienda Metepec: Exploring Continuity and Change at Teotihuacan
1:30  Sarah Clayton—Life after Teotihuacan: Everyday Practices and Community Formation at Chico loapan, Mexico
1:45  Luis Barba, Jorge Blancas, Agustín Ortiz, Ricardo Leonel Cruz Jimenez and Sarah Clayton—Geophysical Studies in the Archaeological Site of Chico loapan, Estado de Mexico
2:00 Carolyn Freiwald, Sarah Clayton and Kaedan O’Brien—Isotopic Diet and Migration at Chicoloapan Viejo, Mexico

2:15 Bianca Gentil—The Epiclassic outside of the Basin: Measuring Population and Settlement Dynamics in the Puebla-Tlaxcala Valley, Mexico

2:30 Ricardo Leonel Cruz Jimenez, Jose Luis Ruvalcaba Sil, Edgar Casanova González, Mayra Manrique-Ortega and Luis Barba—Aspectos de aprovisionamiento y uso de la obsidiana en Chicoloapan Viejo, un asentamiento Epiclásico en la Cuenca de México

2:45 Michelle Elliott and Yoanna Herrera-Santos—Reconstructing Land-Use and Socio-environmental Change at Epiclassic Chicoloapan Using Plant Macromerein Analyses

3:00 Angela Huster—Ceramic Chronology in the Absence of a Horizon

3:15 Christopher Morehart, Angela Huster, Dean Blumenfeld and Eunice Villasenor Iribe—Creating the Pax Tolteca: Diversity, Autonomy, and Centralization from the Epiclassic to the Early Postclassic Periods in the Northern Basin of Mexico

3:30 Jerald EK—Imported Imperialism: The Impact, Aftermath, and Lasting Political Legacy of Teotihuacan in the Maya Lowlands

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**[178] SYMPOSIUM ■ ADVANCES AND NEW PERSPECTIVES IN THE ISTHMO-COLOMBIAN AREA**

**Time:** 1:00 p.m.–3:45 p.m.

**Chairs:** Roberto Herrera and Yajaira Núñez Cortés

**Participants:**

1:00 Sergio García Piedra—Nuevos datos sobre los colgantes de lapidaria verde y sus contextos arqueológicos en Costa Rica

1:15 Payson Sheets—Natural Disasters and the Avoidance of Complexity: Arenal Villages in Comparative Context

1:30 Susan Monge—A Tropical Treasure Trove: Preliminary Assessment of Archaeological Faunal Remains from Culebra Bay, Guanacaste, Costa Rica

1:45 Ashley Sharpe, Nicole Smith-Guzmán and Richard Cooke—A Preliminary Multi-isotope Assessment of Precolombian Humans from Panama


2:15 Scott Palumbo—Assessing Agricultural Intensification in Greater Chiriquí during the Aguas Buenas Period

2:30 Carlos Fitzgerald-Bernal, Alvaro Brizuela-Casimir and Freddy Rodríguez-Saza—Reassessment of Population Density in Late Precolombian Central Caribbean Panama

2:45 Christopher Begley—Framing Intent, Power, and Agency in Eastern Honduras
3:00  Roberto Herrera and Francisco Corrales-Ulloa—Complexity during the Aguas Buenas Period of Greater Chiriqui: Initial Comparisons between El Cholo, Cantarero, and Pejeperro Sites, Southern Costa Rica

3:15  Yajaira Núñez Cortés—Economy, Exchange, and Power at Lomas Entierros, Central Pacific Costa Rica

3:30  John Hoopes—Discussant

[179]  **Symposium: Arctic Pasts: Dimensions of Change**

**Time:** 1:00 p.m.–4:15 p.m.

**Chairs:** Sean Desjardins, Max Friesen and Matilda Siebrecht

**Participants:**

1:00  Max Friesen and Pamela Hakongak Gross—Pitquhivut Ilihaqtaa: Learning about Our Culture

1:15  Owen Mason—The Birnirk/Thule Migrations: Pushed from an Overpopulated Bering Strait Dominated by Old Bering Sea Culture

1:30  Juliette Taieb, Claire Alix, Glenn Juday, Owen Mason and Christophe Petit—Revisiting and Extending the Kobuk River Tree-Ring Master Chronology: A Unique Record for Paleoclimate and Archaeology in Northwestern Alaska

1:45  Claire Alix, Anthony Kruks, Lauren Norman, Owen Mason and Juliette Taieb—The Birnirk to Thule Transition as Viewed from Two Adjacent Houses at Cape Espenberg

2:00  Natasha Lyons, Lisa Hodgetts, David Haogak and Mervin Joe—Anatomy of an Arctic Archaeobotanical Analysis: Insights about Ancestral Inuvialuit Plant Use at Agvik, Banks Island, NWT

2:15  George Hambrecht, Nicole Misarti, Arni Daniel Juliosson and Francis Feeley—Marine Fish Zooarchaeological Data from Iceland and the Central North Atlantic Marine Historical Ecology Project

2:30  Sean Desjardins, Scott Rufolo and Martin Appelt—Avvajja (Abverdjar) Revisited: Reconstructing Tuniit (Dorset Paleo-Inuit) and Recent-Historic Inuit Life at an Iconic Site in Northern Foxe Basin, Nunavut, Canada

2:45  Hollis Miller—Putting the Past in Conversation with the Present: A Collaborative Archaeology of Colonialism in Old Harbor, Kodiak Island, Alaska

3:00  Peter Whitridge and James Williamson—The Use of Aerial Drones to Map, Monitor, and Analyze Inuit Sites in Northern Labrador

3:15  Matilda Siebrecht—#Arctic: Social Media and the Communication of Arctic Archaeological Knowledge

3:30  Matthew Walls and Mari Kleist—Perspectives from a Digital Season and New Opportunities of Knowledge Co-production for Arctic Archaeology

3:45  Danii Desmarais, Lesley Howse, Mari Kleist and Letitia Pokiak—Accountability in Arctic Archaeology: A Continuing Conversation for Change

4:00  Genevieve LeMoine—Discussant
[180] **Symposium: Polychromy, Multimediality, and Visual Complexity in Mesoamerican Art**  
**Time:** 1:00 p.m.–4:15 p.m.  
**Chairs:** Elodie Dupey and Davide Domenici

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

[181] **Symposium: The Urban Question: Interdisciplinary Approaches to Investigating the Ancient Mesoamerican City**  
**Time:** 1:00 p.m.–4:15 p.m.  
**Chairs:** Lisa Johnson and Arianna Campiani

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

[182] **General Session: Andean Archaeology from the Middle through Late Horizons**

**Time:** 1:00 p.m.–4:15 p.m.

**Chair:** Amy Szumilewicz

**Participants:**

1:00 Izumi Shimada, Haagen Klaus, Brandi MacDonald, Kayeleigh Sharp and Ken-ichi Shinoda—Defining the Organization of Middle Sicán (Peru) Governance

1:15 Matthew Sitek—Communities in the Campo: Household Excavations at a Tiwanaku Frontier Settlement in the Middle Locumba Valley, Peru (ca. AD 500–1100)

1:30 Amy Szumilewicz—The Portable Murals and Painted Shrouds of Middle Sicán Tombs

1:45 Elizabeth Nelson, Evelyn Guevara, J. Marìa Toyne, Johannes Krause and Kirsten Bos—Precolombian Tuberculosis in the Chachapoya from the Northeastern Peruvian Andes

2:00 Paloma Cuello del Pozo, Eduardo Eche Vega and José Peña—Pollen Analysis at El Campanario (Peru): Preliminary Study from a Public Architecture

2:15 Arianna Garvin, Paul Goldstein and Jade d’Alpoim Guedes—The Implications of Amaranthaceae Cultivars at the Tiwanaku Site of Cerro San Antonio, Locumba, Perú
2:30 Detlef Wilke and Peter de Smet—A Collaborative Proposal for Identifying Psychoactive Drug Ingredients in Supposed Ritual Pottery and Other Implements from the Prehispanic Andes
2:45 Sophie Reilly and Andrew Roddick—A Taste for Tubers: The Circulation of the Familiar through the Ancient Titicaca Basin
3:00 Benjamin Schaefer, Gabriel Prieto and John Verano—My Heart in Their Hand: Inferring Psychosocial Stress from a Mass Child Sacrifice, Pampa La Cruz, Peru
3:15 Zach Chase and Steve Kosiba—Memories of New Pasts in Cuzco and Huarochirí
3:30 Ridge Anderson and Zach Chase—“Paria Caca Loves Him”: The Camelid and Huarochirí Sustenance and Ceremony
3:45 Nicole Slovak—The Middle Horizon Period at Ancón: A Reassessment
4:00 Jonah Augustine—Common Sense and the Distribution of the Sensible in Ancient Tiwanaku, AD 500—1100

[183] Symposium: Navigating Ethical and Legal Quandaries in Modern Archaeological Curation
Time: 1:15 p.m.—4:00 p.m.
Chair: Marieka Arksey

Participants:
1:15 Marieka Arksey—Donations, Appraisals, and Tax Write-Offs: Trying to Keep Collections Off of the Antiquities Market
1:30 Maxine McBrinn, Julia Clifton, Diana Sherman and Amy Montoya—Donations and Transfers: Recent Challenges at One State Repository
1:45 Siobhan Hart—Curating Archaeological Collections in the Private Small Liberal Arts Context
2:00 Gregory Lattanzi—The Good, the Bad, and the Not So Great: Archaeological Curation at the New Jersey State Museum
2:15 Danielle Cathcart—Warehousing the Past: Are We Doing the Right Thing?
2:30 Patrick Lyons—Discussant
2:45 Kathryn MacFarland, Arthur Vokes, Suzanne Eckert and Patrick Lyons—A New Fee Structure to Ensure Repository and Archive Sustainability
3:00 Elizabeth Johnson—Digging Out: Finding Creative Solutions to Four Decades of CRM Collections
3:15 Douglas Wilson, Theresa Langford and Meagan Huff—Navigating Archaeological Research and Collections at Fort Vancouver National Historic Site
3:45 S. Terry Childs—Discussant
[184]  **GENERAL SESSION: HISTORIC ARCHAEOLOGY OF NORTH AMERICA**  
**Time:** 1:15 p.m.–4:00 p.m.  
**Chair:** Leila Character  
**Participants:**  
1:30  Christina McSherry—Identity, Place, and Public Memory: A Linguistic Analysis of American Civil War Monuments at the Gettysburg Battlefield  
1:45  Jenna Slatowski and Lori Lee—Low-Fired Ceramic Chronologies at Fort Mose  
2:00  Lori Lee—*Bottles and Beads: Glass Objects at Fort Mose* [Withdrawn]  
2:30  Charles Boyd, Donna Boyd and Victoria Cristwell—A Temporal Perspective of African American Health Disparities Based on Bioarchaeological Evidence: The Effect of Racial Inequality on Disease Comorbidities and Mortality from Slavery to COVID-19  
2:45  Laura Harrison and Brooke Hansen—Digital Approaches to Heritage at Risk and Sustainability at Egmont Key, Florida  
3:00  Leila Character and Agustin Ortiz Jr.—Automatic Identification of Shipwrecks Using Digital Elevation Data and Deep Learning  
3:15  Jane Peterson and Michael Gregory—Bronzeville’s Backyards: Red-Line Realities in a Vibrant Community  
3:30  Kelly Jenks—Investigating *Parajes*: An Exploration of “Camping” Sites on the Camino Real  
3:45  Nicole Mathwich and Carlos Figueroa Beltran—Situating Rancho Johnson: Landscape Transitions in Baja California

[185]  **LIGHTNING ROUNDS: AN OCEAN OF CONNECTIONS: TANGIBLE AND INTANGIBLE EXCHANGES IN THE IOW**  
**Time:** 1:30 p.m.–3:30 p.m.  
**Moderators:** Stefania Manfio and Alessandra Cianciosi  
**Participants:**  
Elena Skosey-LaLonde—Discussant  
Nicholas Bartos—Discussant  
Wolfgang Alders—Discussant  
Alessandro Ghidoni—Discussant  
Madeleine Gunter Bassett—Discussant  
Julia Haines—Discussant  
Saša Caval—Discussant
[186] **Symposium: Afro-Latin American Landscapes**  
*(Sponsored by Afro-Latin America Interest Group)*  
**Time:** 1:30 p.m.–3:45 p.m.  
**Chair:** Kathryn Sampeck  

**Participants:**  
1:30 Claire Maass—Born into Captivity: Bioarchaeological Perspectives toward Enslaved Children and Childhood in Colonial Peru  
1:45 Luis Claudio Symanski—Color Lines, Material Culture, and the Negotiation of Social Space in the Sugar Plantation Fazenda do Colégio, Campos dos Goytacazes, Brazil  
2:00 Johana Caterina Mantilla Oliveros—Landscapes of Mobility and Freedom: Maroonage and the Making of the New World  
2:15 Daniela Balanzategui—Landscapes of Maroon Societies in Ecuador  
2:30 Tracie Mayfield—Archaeology and Ethnography on Old Providence and Santa Catalina Islands (Colombia)  
2:45 Terrance Weik—Cattle Colonialism: A Comparative Perspective on Chickasaw Territory and Latin America  
3:00 Camila Orbegozo Hernández—Arqueología para reivindicar: Huellas de africanía en la producción alfarera de Cartagena de Indias (S. XVI-XVIII)  
3:15 María Angélica Suaza Español—The Hacienda and the Formation of Cultural Traditions in Nueva Granada  
3:30 Brendan Weaver—Discussant  

*(Sponsored by Public Archaeology Interest Group)*  
**Time:** 1:45 p.m.–4:30 p.m.  
**Chair:** Sara Ayers-Rigsby  

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

[188]  **FORUM**

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

*Time:* 2:00 p.m.–4:00 p.m.

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

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

[189]  **GENERAL SESSION**

**MAYA EXPRESSIONS, RESISTANCE, AND LANDSCAPES**

*Time:* 2:00 p.m.–4:00 p.m.

*Chair:* Morgan Clark

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

[190]  **FORUM: DIVERSE EXPERTISE: ON THE IMPORTANCE OF MULTIVOCALITY AND INCLUSION IN ARCHAEOLOGY**  
(Sponsored by QAIG, COSWA)  
**Time:** 3:00 p.m.–5:00 p.m.  
**Moderators:** Kirsten Vacca and Katrina Eichner

**Participants:**
Peggy Brunache—Discussant  
Katherine Chiou—Discussant  
Katrina Eichner—Discussant  
Tiffany Fulkerson—Discussant  
Albert Gonzalez—Discussant  
Sian Halcrow—Discussant  
Laura Heath-Stout—Discussant  
Catherine Jalbert—Discussant  
Kathryn Klembara—Discussant  
Kylie Tuitavuki—Discussant  
Joshua Vallejos—Discussant

[191]  **GENERAL SESSION: CURRENT RESEARCH IN MEDITERRANEAN ARCHAEOLOGY**  
**Time:** 3:00 p.m.–5:00 p.m.  
**Chair:** Dominik Lukas

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

4:45  Heather Rosch—The View from Below: The Contemporaneous View and Role of the Rural, Marginal Areas of Anatolia during the Ottoman Period

[192] General Session: Rocky Mountain Archaeology and Curation
Time: 3:45 p.m.—4:30 p.m.
Chair: A. Dudley Gardner

Participants:
3:45  Todd McMahon—Developing a Resilient Colorado Curation Model: The Innovative Solution to Addressing the State’s Collections Care Needs
4:00  A. Dudley Gardner—A Look at the Formative in Northwestern Colorado: Similarities and Differences in the Cultural Assemblages within the Fremont in the Colorado River Drainage Basin
4:15  Molly Herron, Madeline Mackie and Todd Surovell—Identification of Fragmented Mammoth Ivory in Archaeological Sites Using SEM Microscopy

[193] General Session: Heritage and Education: Narratives and Counternarratives
Time: 3:45 p.m.—5:00 p.m.
Chair: Sandra Lopez Varela

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

[194] General Session: Innovative Research in Geospatial Analyses
Time: 4:00 p.m.—4:45 p.m.
Chair: Mary Mailler

Participants:
4:00  Mary Mailler and Spencer Mitchell—Innovative GIS Mapping Approaches Further Support Historic Site, Etzonoa, Was Located at the Mouth of the Walnut River, Arkansas City, Kansas
Saturday Afternoon, April 17

Program of the 86th Annual Meeting

All times are listed in Eastern Daylight Time

4:15 Katherine Peck, Noa Lincoln and Michael Graves—Soil Nutrient Variability in the South Kohala Field System, Hawai’i Island

4:30 Matthew Brown, Cory Look and Reg Murphy—Pre-Columbian Mortuary Practices in Antigua [Withdrawn]

[195] GENERAL SESSION CURRENT RESEARCH IN DIGITAL ARCHAEOLOGY: SIMULATIONS AND MODELING

Time: 4:00 p.m.–5:00 p.m.

Chair: Eric Rodríguez-Delgado

Participants:

4:00 Cecilia Padilla-Iglesias, Claudine Gravel-Miguel and Robert Bischoff—An Agent-Based Model to Explore the Relationship between Archaeological Assemblages, Past Social Networks, and Cultural Dynamics

4:15 Alan Farahani and Hanna Grossman—The Use of R Shiny and Other Open-Source Interactive Platforms in Increasing Engagement with Archaeological Research Results

4:30 Jonas Gregorio de Souza—Archaeological Expansions in Tropical South America during the Late Holocene: Assessing the Role of Demic Diffusion

4:45 Eric Rodríguez-Delgado—Dynamic Coastlines: Modeling the Impacts of the Intertidal Zone Transformation for Puerto Rico during the Mid- to Late Holocene
**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 (*posthumous*) Hector Neff
- 2004 David Lewis-Williams
- 2005 George H. Odell
- 2006 Michael Brian Schiffer
- 2007 Robert L. Bettinger
- 2009 Judith Habicht-Mauhe
- 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
- 2019 Jonathan Mark Kenoyer
- 2020 Rafael Alejandro Pastrana Cruz

**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
- 2019 Jacque Kocer
- 2020 Patrick Burtt
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
1998 Tom D. Dillehay
1999 Mark Lehner
2000 Clive Gamble
2001 William W. Fitzhugh
2002 Lewis Binford
2003 Kathleen Deagan &
2004 Brian Fagan
2005 Susan Toby Evans
2006 Peter Bellwood
2008 Tom Dillehay
2009 Lothar Von Falkenhausen
2010 David W. Anthony
2011 Vernon James Knight Jr.
2012 Matthew Richard Des Lauriers
2013 Elizabeth Arkush
2014 Michael L. Galaty
2015 Dimitra Papagianni &
2016 Miranda Aldhouse-Green
2017 Michael E. Smith
2018 Peter Bogucki (Popular)
2019 Lynn Meskell (Popular)
2020 Carl M. Davis (Popular)
1997 Carmel Schrire
1998 Stephen Plog
1999 Jon Muller
2000 Anne-Marie Cantwell &
2001 Elisabeth I. Ward
2002 Mark Lehner
2003 Tom D. Dillehay
2004 Lewis Binford
2005 William W. Fitzhugh
2006 Peter Bellwood
2008 Tom Dillehay
2009 Lothar Von Falkenhausen
2010 David W. Anthony
1996 Mary C. Stiner
1997 Bruce D. Smith
1998 Tom D. Dillehay
1999 Mark Lehner
2000 Clive Gamble
2001 William W. Fitzhugh
2002 Lewis Binford
2003 Kathleen Deagan &
2004 Brian Fagan
2005 Susan Toby Evans
2006 Peter Bellwood
2008 Tom Dillehay
2009 Lothar Von Falkenhausen
2010 David W. Anthony

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
1995 Frederick Matson
1996 Dean E. Arnold
1997 Bruce D. Smith
1998 Stephen Plog
1999 Jon Muller
2000 Clive Gamble
2001 William W. Fitzhugh
2002 Anne-Marie Cantwell &
2003 Diana Dizerega Wall
2004 Brian Fagan
2005 Susan Toby Evans
2006 Peter Bellwood
2008 Tom Dillehay
2009 Lothar Von Falkenhausen
2010 David W. Anthony
1996 Mary C. Stiner
1997 Bruce D. Smith
1998 Tom D. Dillehay
1999 Jon Muller
2000 Clive Gamble
2001 William W. Fitzhugh
2002 Anne-Marie Cantwell &
2003 Diana Dizerega Wall
2004 Brian Fagan
2005 Susan Toby Evans
2006 Peter Bellwood
2008 Tom Dillehay
2009 Lothar Von Falkenhausen
2010 David W. Anthony

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.

2016 Kayla Brown
Keighley Hastings
Kailey Martinez
Samantha Ascoli
2017 Esmeralda Ferrales
Eden Franz
Carol Woodland
2018 Heather Hendrickson
Miranda LaZar
Melissa Perez
Jamie Stevens
2019 April Brown
Mariah Medina
Samantha Morley
Sorayah Romero
2020 Kayla Abeyta-Lopez
Reina Bravo
Robin Christofani

CRABTREE AWARD
Established in 1985 to recognize significant contributions to archaeology in the Americas made by an individual who has had little if any formal training in archaeology and little if any wage or salary as an archaeologist. The award is named after Don Crabtree of Twin Falls, Idaho, who made significant contributions to the study of lithic technology and whose dedication to archaeology was a lifelong personal and financial commitment.

1985 Clarence H. Webb, MD
1987 Leonard W. Blake
1988 Julian Dodge Hayden
1989 J. B. Sollberger
1990 Ben C. McCary
1991 James Pendergast
1992 Stuart W. Conner
1993 Mary Elizabeth Good
1994 Leland W. Patterson
1995 Jeff Carskadden
1996 James H. Word
1997 Sidney Merrick Wheeler
(posthumous) & Georgia Nancy Wheeler Felts
1998 Reca Jones
1999 Gene L. Titmus
2000 Richard P. Mason
2001 John D. “Jack” Holland
2002 Richard A. Bice
2003 Dr. Guillermo Mata Amado
2004 Robert Patten
2005 Eugene C. Winter Jr.
2006 Karl Herbert Mayer
2007  Jay C. Blaine  
2009  Paul Tanner  
2010  Larry Kinsella  
2011  George Poetschat  
2012  John T. Dowd  
2013  Edward and Diane Stasack  
2014  Francis H. “Frankie” Snow  
2015  Tom Middlebrook  
2016  Steven Freers  
2017  Daniel Wendt  
2018  James Warnica  
2019  Peter Boyle  
                Janine Hernbrode  
2020  Marilyn Markel  

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  
2019  Duane E. Peter  
2020  J. Stephen Athens

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  
2019  S. Terry Childs

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
2019 Weronika Tomczyk
2020 Christine A. Mikeska

DISSERTATION AWARD
Presented to an archaeologist just entering the profession whose doctoral dissertation is judged to be particularly outstanding. The prize consists of three-year membership in the society.

1988 Judith A. Habicht Mauche (Harvard Univ)
1990 David J. Bernstein (SUNY Binghamton)
1991 David Anderson (Univ of Michigan)
1992 Lynette C. Norr (Univ of Illinois)
1993 Cathy Lebo (Indiana Univ)
1994 Mary Van Buren (Univ of Arizona)
1995 David R. Abbott (Arizona State Univ)
1996 Daniel R. Finamore (Boston Univ)
1997 Alvaro Higueras Hare (Univ of Pittsburgh)
1998 Mark D. Varien (Arizona State Univ)
1999 Karen G. Harry (Univ of Arizona)
2000 Alex Barker (Univ of Michigan)
2001 Andrew I. L. Duff (Arizona State Univ)
2002 Silvia R. Kembel (Stanford Univ)
2003 Wesley Bernardini (Arizona State Univ)
2004 Ian G. Robertson (Arizona State Univ)
2005 Severin M. Fowles (Univ of Michigan)
2006 Elisabeth Hildebrand (Washington Univ)
2007 Matthew Liebmann (Univ of Pennsylvania)
2008 Kevin D. Fisher (Univ of Toronto)
2009 Timothy C. Messner (Temple Univ)
2010 Sarah Clayton (Arizona State Univ)
2011 Scott G. Ortman (Arizona State Univ)
2012 Christopher Morehart (Northwestern Univ)
2013 Amanda Logan (Univ of Michigan)
2014 Matthew A. 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 California, Berkeley)  
2019 Hao Zhao  
(Stanford University)  
2020 Sarah Oas  
(Arizona State University  
Saul Hedquist  
(University of Arizona)

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 FUND FOR GEOARCHAEOLOGICAL RESEARCH  
Under the auspices of the Society for American Archaeology’s Geoarchaeology Interest Group, family, friends, and close associates of Douglas C. Kellogg formed a memorial fund in his honor. The fund will provide support of thesis or dissertation research, with emphasis on the field and/or laboratory parts of this research, for graduate students in the earth sciences and archaeology.

2003 Aleksander Borejsza
2005 Ian Buvitt
2006 Heidi Luchsinger
2007 Katherine A. Adelsberger
2008 Kurt Rademaker
2009 Benjamin R. Vining
2011 Teresa Wriston
2012 Joe D. Collins Jr.
2013 Craig Fertelmes
2014 Michael Aiualasit
2015 Bryn Letham
2016 Jennifer Kielhofer
2017 Justin Nels Carlson
2018 Rachel Cajigas
2019 Jacob P. Warner
2020 A.J. White

ETHICS BOWL RECIPIENTS  
Initiated in 2004, the Ethics Bowl is a festive, debate-style competition for students to explore the ethics of
archaeological practice. The Ethics Bowl trophy is awarded each year to the team of students that responds to hypothetical dilemmas with the clearest intelligibility, depth, focus, and judgment.

2004 Indiana University/University of Nevada—Reno
2005 University of Arizona
2006 San Diego State University
2007 Brown University
2008 University of California—Berkeley
2009 Texas A&M
2010 Brown University
2011 University of California—Santa Barbara
2012 Northern Arizona University
2013 University of California—Berkeley
2014 University of California—Berkeley
2015 Hiatus
2016 University of Georgia
2017 University of Puerto Rico/University of California—San Diego
2018 Cornell University
2019 University of Kentucky

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
2008 Deanna Grimstead
2009 Samuel Duwe
2010 Matthew Peeples
2011 William Reitze
2012 Joshua Watts
2013 Katherine Dungan
2014 Christopher W. Merriman
2015 Saul L. Hedquist
2016 Jacob Lulewicz
2017 Katelyn Bishop
2018 Reuven J. Sinensky
2019 Megan Anne Conger
2020 Emily Kate

FRYXELL AWARD FOR INTERDISCIPLINARY RESEARCH
Initiated in 1977 to specially recognize interdisciplinary excellence by a distinguished scientist, who need not be an archaeologist but whose research has contributed significantly to American archaeology. Each year the award is based on practice in one of five disciplines: earth sciences, physical sciences, general interdisciplinary studies, zoological sciences, and botanical sciences. The award, which consists of a citation and a medallion, was named in memory of Roald Fryxell, whose career exemplified so well the crucial role of interdisciplinary cooperation in archaeology.

1978 C. Vance Haynes
1979 Peter J. Mehringer
1980 James B. Griffin
1981 Karl W. Butzer
1982 David J. Baerreis
1983 John E. Guilday (posthumous)
1985 Roger T. Saucier
1986 Donald K. Grayson
1987 Richard I. Ford
1988 David M. Hopkins
1989 Joseph B. Lambert
1990 Patty Jo Watson
1991 Paul W. Parmalee
1992 Richard Yarnell
1993 Herbert E. Wright Jr.
1994 Garman Harbottle
1995 Robert J. Braidwood
1996 Elizabeth S. Wing
1997 Vorsila L. Bohrer
1998 John W. Weymouth
1999 Henry P. Schwarcz
2000 Richard S. MacNeish
2001 Melinda A. Zeder
2002 Deborah M. Pearsall
2003 George Rapp
2004 R.E. Taylor
2005 Bruce D. Smith
2006 Oscar Polaco Ramos
2007 Vaughn M. Bryant
2008 Paul Goldberg
2009 Michael D. Glascock
2010 Jane Buikstra
2011 R. Lee Lyman
2012 Christine Hastorf
2013 Anthony Aveni
2014 Marvin W. Rowe
2015 David Hurst Thomas
2016 Elizabeth J. Reitz
2017 Naomi Frances Miller
2018 Vance Terrell Holliday
2019 M. Steven Shackley
2020 Debra Martin

**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 (*San Diego Union Tribune*)
1995 Nathan Seppa (*Wisconsin State Journal*)
1996 Matt Crenson (*Dallas Morning News*)
1997 (no award)
1998 Diedtra Henderson (*Seattle Times*)
1999 William Mullen (*Chicago Tribune*)
2000 Frank Roylance (*Baltimore Sun*)
2001 Mike Toner (*Atlanta Journal-Constitution*)
2002 Chip Minty (*Daily Oklahoman*)
2004 Alexandra Witze (*Dallas Morning News*)
2005 Marion Lloyd (*Chronicle of Higher Education*)
2006 Andrew Petkofsky
2007 Richard L. Hill
2008 Tom Avril (*Philadelphia Enquirer*)
2009 Andrew Lawler (*Science Magazine*)
2010 Andrea Cooper (freelance)
2011 Dan Vergano (*USA Today*).
2012 Mike Toner (*American Archaeology*)
2013 Julian Smith (*American Archaeology*)
2014 Ann Gibbons (*Science Magazine*)
2015 Andrew Lawler (*Science Magazine*)
2016 Tamara Stewart (*American Archaeology*)
2017 Elizabeth Svoboda (*SAPIENS*)
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 Scholarships Committee of the SAA.

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 Luis Donoso
   Jose Marrero-Rosado
   Angelica Sanchez

2019 Jenail Marshall
   Ashley Vance
   Jazmin Jones
   Ariana Robles

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
2020 Elizabeth Graham
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
2019 Lynne G. Goldstein
2020 Larry J. Zimmerman

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
1996 Jay K. Johnson
1998 Kenneth Hirth
1999 Barbara E. Luedtke
2000 Tom Hester
2001 John Witthoft (posthumous)
1995 Harry J. Shafer
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 HAWAI’ANS
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
1999 Frank Mt. Pleasant
2000 Leander Lucero
2000 Amada Rockman
2000 Lahela Perry
2001 Bonnie Lee Dziadasek
2001 Desireé Martinez
2001 Blair First Rider
2002 Deona Naboa
2002 Natalie Ball
2002 Tracy Pierre
2003 Michael Garcia
2003 Gordon C. Moore
2003 Carley Kaleo Veary
2003 Scott T. Kikiloi
2005 Lizatine A. Tsosie
2005 Laurie Shead
2005 Denny Gayton
2006 Vera Asp
Ashley Layne Atkins
Joey Condit
Elizabeth Lein'Ala Kahave
Robert 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
2011 Robert James David
Kevin J. Brown
Liana Staci Hesler

2012 Joshua Castleman
Joel Nicholas
Autumn Whiteway
2013 Alyssa Christine Bader
Dylan Ray Jennings
Susan 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 Burtt
Michele Brownlee
Erin Renn

2018 Ashlyn Weaver
2020 Dominic Bush
Vikki Preston

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
2019 A. Leiokeko’olani Brown
2020 Natalie Lolar
Emily Van Alst

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
2019 Aka Bendtsen

PAUL GOLDBERG AWARD
(Formerly the Geoarchaeology Interest Group MA/MS Research Award)
The Paul Goldberg Award provides support for thesis research, with tuition, travel, food, housing, books, supplies, equipment, and childcare (up to $10,000).
emphasis on the field and/or laboratory aspects, for graduate students in the earth sciences and archaeology.

2017  Heidi Van Etten
2018  Zaakiyah Cua
2019  Cayla D. Kennedy
2020  Denay Grund

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. Milner, James S. Oliver & Erich Schroeder (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, Cynthia Muñez & 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
2009 Susan M. Mentzer
2010 Metin I. Eren, Adam Durant & Christina Neudorf
2011 Alexander Smith & Danielle Raad
2013 G. Logan Miller
2015 Jenna Kay Carlson
2016 Amy N. Fox
2017 Elic Weitzel & Daniel Plekhov
2018 Mark Agostini
2019 Nicolette Edwards

David Hurst Thomas
1992 Mark Leone
Jeremy A. Sabloff
1993 Jerald Milanich
Daniel G. Roberts
Bruce D. Smith
Vincas P. Steponaitis
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
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
1996 Brian Fagan
Paul Fish & Suzanne K. Fish
Jonathan Lizee
Toni Moore
Carol Shull
George Stuart
1997 Mark Aldenderfer
David Anderson
Roger Anyon & T. J. Ferguson
Keith Kintigh
Florence Lister
Donna Seifert

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
1991 Lynne Goldstein
Rachael Hamilton
Keith Kintigh
Earl Lubensky
Loretta Neumann
Kathleen Reinburg
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
1996 Brian Fagan
Paul Fish & Suzanne K. Fish
Jonathan Lizee
Toni Moore
Carol Shull
George Stuart
1997 Mark Aldenderfer
David Anderson
Roger Anyon & T. J. Ferguson
Keith Kintigh
Florence Lister
Donna Seifert
Joe Watkins

1998
Stephen Dyson for Archaeology Magazine
Ed Friedman
Janet Levy
William Lovis

1999
Caryn Berg
Susan J. Bender
Judith A. Bense
Jon S. Czaplicki
Gary Feinman
Linda Manzanilla
Tristine Lee Smart
George S. Smith
Joe Watkins

1998-2008

1999

2000 Lynne Goldstein
James A. Goold
Kurt E. Dongoske

2001
Mark Aldenderfer
Patricia Gilman
The Law Department of the National Trust for Historic Preservation
Francis P. McManamon
Ian W. Brown

2002
Michael J. Fanelli
Donald Forsyth Craib
Johna Hutira

2003
John Chamblee
Fred Wendorf, Stuart Struever, & Doug Schwartz

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

2008
Alex Barker
Nelly Robles Garcia

2009
Phillip L. Walker

2010
75th Anniversary Task Force:
Jeremy Sabloff
James Snead
Wendy Ashmore

2011
Susan B. Bruning
Paul Minnis
Jonathan Muller

2012
Barbara M. Arroyo
Tomas Enrique-Mendizabal
Archibold
Christopher D. Dore
Daniel H. Sandweiss

2013
Susan Kane
Cori Wegener
Tim Melancon
Serena Bellew

2014
Deborah L. Nichols
Christopher A. Pool
Gabriela Uruñuela y Ladrón de Guevara

2015
Willem Willems
Frederich (Fritz) Luëth

2016
Jane Eva Baxter
Brian I. Daniels
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 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

2019 Tobi Brimsek
Deborah Nichols
John Douglass
Gordon Rakita
Jerry Spangler
Tim Kohler
Daniel Sandweiss
Thomas McGovern

2020 Jeff Altschul
Kelley Hays-Gilpin
Keith Kintigh
Paul Reed
Meagan Thies-Sauder

1998 Jan Coleman Knight
1999 Crow Canyon Archaeological
Center
2000 George Stuart
2001 George Brauer
2002 AnthroNotes
2003 Jeanne Moe
2004 Patricia Wheat-Stranahan
2005 Office of Archaeological
Studies at the Museum of
New Mexico
2006 Richard M. Pettigrew
2007 The 5th St. Cemetery
Necrogeographical Study
2008 Texas Beyond History
Website
2009 Center for American
Archaeology
2010 Project Archaeology
2012 Education Outreach Program
of the Office of Archaeological
Studies
2014 Abby the ArchaeoBus: Society
for Georgia Archaeology
New South Associates
Georgia Transmission
Corporation
Georgia State University
2015 Kansas Archeology Training
Program
2017 Kristina Killgrove
2018 Kentucky Archaeological
Survey
2019 Magic Mountain Community
Archaeology Project
2020 Húyát: Our Voices our Land

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

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
1988 Rep. Charles E. Bennett
1989 Sen. Peter V. Domenici
1991 Secretary of the Interior
  Manuel Lujan Jr.
1992 The Archaeological
  Conservancy
1993 Constance Werner Ramirez
1994 James Beck
  Deborah Daniels
  Jeffrey Kent
  Larry Mackey
  Scott Newman
1995 Grand Canyon Trust
1996 Rep. Bill Richardson
1997 Rep. Phil English
1998 Loretta F. Neumann
1999 Secretary of the Interior
  Bruce Babbitt
2000 Wayne Dance
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

**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 Bebber & Mike
  Wilson
2019 Meagan E. Dennison
2020 Lori Barkwill Love
**Presidents of the SAA**

<table>
<thead>
<tr>
<th>Name</th>
<th>Years</th>
<th>Name</th>
<th>Years</th>
</tr>
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<tbody>
<tr>
<td>George I. Quimby Jr.</td>
<td>1957–1958</td>
<td></td>
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<td>Richard B. Woodbury</td>
<td>1958–1959</td>
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<tr>
<td>Jesse D. Jennings</td>
<td>1959–1960</td>
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<td>Erik K. Reed</td>
<td>1960–1961</td>
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<td>David A. Baerreis</td>
<td>1962–1963</td>
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<td>James A. Ford</td>
<td>1963–1964</td>
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<td>Albert C. Spaulding</td>
<td>1964–1965</td>
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<td>Paul S. Martin</td>
<td>1965–1966</td>
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<td>Joe B. Wheat</td>
<td>1966–1967</td>
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<td>Gordon R. Willey</td>
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<td>H. Marie Wormington</td>
<td>1968–1969</td>
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<td>Ignacio Bernal</td>
<td>1969–1970</td>
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<td>Robert Lister</td>
<td>1970–1971</td>
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<tr>
<td>Richard S. MacNeish</td>
<td>1971–1972</td>
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<tr>
<td>Charles C. Di Peso</td>
<td>1972–1973</td>
<td></td>
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</tr>
<tr>
<td>Stuart Struver</td>
<td>1975–1976</td>
<td></td>
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</tr>
</tbody>
</table>

**Annual Meeting Sites**

1st Andover, MA December 1935
2nd Washington, DC 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 (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.)
9th Washington, DC May 1944
10th Washington, DC May 1945
11th Indianapolis, IN May 1946
12th Ann Arbor, MI May 1947
<table>
<thead>
<tr>
<th>Year</th>
<th>City, State</th>
<th>Month</th>
<th>Year</th>
<th>City, State</th>
<th>Month</th>
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<tr>
<td>1948</td>
<td>Milwaukee, WI</td>
<td>May</td>
<td>1991</td>
<td>New Orleans, LA</td>
<td>April</td>
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<td>1949</td>
<td>Bloomington, IN</td>
<td>May</td>
<td>1992</td>
<td>Pittsburgh, PA</td>
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<td>1950</td>
<td>Norman, OK</td>
<td>May</td>
<td>1993</td>
<td>St. Louis, MO</td>
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<td>1951</td>
<td>Evanston, IL</td>
<td>May</td>
<td>1994</td>
<td>Anaheim, CA</td>
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<td>1952</td>
<td>Columbus, OH</td>
<td>May</td>
<td>1995</td>
<td>Minneapolis, MN</td>
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<td>1953</td>
<td>Urbana, IL</td>
<td>May</td>
<td>1996</td>
<td>New Orleans, LA</td>
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<td>1954</td>
<td>Albany, NY</td>
<td>May</td>
<td>1997</td>
<td>Nashville, TN</td>
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<td>1955</td>
<td>Bloomington, IN</td>
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<td>1998</td>
<td>Seattle, WA</td>
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<td>1956</td>
<td>Lincoln, NE</td>
<td>May</td>
<td>1999</td>
<td>Chicago, IL</td>
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<td>1957</td>
<td>Madison, WI</td>
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<td>2000</td>
<td>Philadelphia, PA</td>
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<td>2001</td>
<td>New Orleans, LA</td>
<td>April</td>
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<td>1959</td>
<td>Salt Lake City, UT</td>
<td>May</td>
<td>2002</td>
<td>Denver, CO</td>
<td>March</td>
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<td>1960</td>
<td>New Haven, CT</td>
<td>May</td>
<td>2003</td>
<td>Milwaukee, WI</td>
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<td>1961</td>
<td>Columbus, OH</td>
<td>May</td>
<td>2004</td>
<td>Montreal, QC</td>
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<td>1962</td>
<td>Tucson, AZ</td>
<td>May</td>
<td>2005</td>
<td>Salt Lake City, UT</td>
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<td>1963</td>
<td>Boulder, CO</td>
<td>May</td>
<td>2006</td>
<td>San Juan, PR</td>
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<td>1964</td>
<td>Chapel Hill, NC</td>
<td>May</td>
<td>2007</td>
<td>Austin, TX</td>
<td>April</td>
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<tr>
<td>1965</td>
<td>Urbana, IL</td>
<td>May</td>
<td>2008</td>
<td>Vancouver, BC</td>
<td>March</td>
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<tr>
<td>1966</td>
<td>Reno, NV</td>
<td>May</td>
<td>2009</td>
<td>Atlanta, GA</td>
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<td>1967</td>
<td>Ann Arbor, MI</td>
<td>May</td>
<td>2010</td>
<td>St. Louis, MO</td>
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<td>1968</td>
<td>Santa Fe, NM</td>
<td>May</td>
<td>2011</td>
<td>Sacramento, CA</td>
<td>Mar-Apr</td>
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<td>1969</td>
<td>Milwaukee, WI</td>
<td>May</td>
<td>2012</td>
<td>Memphis, TN</td>
<td>April</td>
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<tr>
<td>1970</td>
<td>Mexico City, Mexico</td>
<td>May</td>
<td>2013</td>
<td>Honolulu, HI</td>
<td>April</td>
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<tr>
<td>1971</td>
<td>Norman, OK</td>
<td>May</td>
<td>2014</td>
<td>Austin, TX</td>
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<td>1972</td>
<td>Bal Harbour, FL</td>
<td>May</td>
<td>2015</td>
<td>San Francisco, CA</td>
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<td>1973</td>
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<td>2016</td>
<td>Orlando, FL</td>
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<tr>
<td>1974</td>
<td>Washington, DC</td>
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<td>2017</td>
<td>Vancouver, BC</td>
<td>Mar-Apr</td>
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<tr>
<td>1975</td>
<td>Dallas, TX</td>
<td>May</td>
<td>2018</td>
<td>Washington, DC</td>
<td>April</td>
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<td>1976</td>
<td>St. Louis, MO</td>
<td>May</td>
<td>2019</td>
<td>Albuquerque, NM</td>
<td>April</td>
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<tr>
<td>1977</td>
<td>New Orleans, LA</td>
<td>April</td>
<td>2020</td>
<td>(Due to the COVID-19 pandemic, the 2020 Annual Meeting scheduled for Austin, TX, was canceled and the Annual Business Meeting was conducted by video and phone)</td>
<td></td>
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</tbody>
</table>
American Anthropological Association  
www.americananthro.org  
The American Anthropological Association, the largest scholarly and professional organization of anthropologists, is dedicated to advancing human understanding and applying it to the world's most pressing problems. Our booth contains a handout of links to valuable resources for students, teachers, and professionals. We would love to connect with you! 

Annual Meeting Ombuds  
For the 2021 Annual Meeting, the SAA has chosen two ombuds to serve as informal, independent, neutral, and confidential resources for meeting attendees. The ombuds can assist meeting attendees with determining options to address issues such as harassment, free speech, academic integrity, conflicts of interest, safety, diversity, or any other concern related to the SAA Annual Meeting. The ombuds will listen to understand issues from the perspective of individuals and provide support, coaching, strategies, options, and useful resources. All issues, including sexual harassment, can be discussed confidentially and independently of the Society. Appropriate administrative channels will be offered to individuals who desire to register formal complaints. 

Archaeological Institute of America  
https://www.archaeological.org 
The Archaeological Institute of America, North America's oldest and largest archaeological organization, works to create an informed public interest in the cultures and civilizations of the past; supports archaeologists, their research and its dissemination; promotes ethical practices; advocates for the preservation of archaeological heritage; and encourages community-based outreach. 

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Bruker Nano Analytics  
www.bruker.com  
Understanding our Cultural Heritage lies in a detailed knowledge of the objects that comprise that heritage. Bruker’s range of portable, mobile, and flexible approaches to analysis in Archaeology and Archaeometry provide you with all of the capabilities of a lab-based analytical suite, helping you take us back in time. 

Exhibitor Directory
Bureau of Land Management
www.blm.gov/programs/culturalresources
The Bureau of Land Management administers 245 million acres of America’s land base and 700 million acres of subsurface mineral estate in the United States. The BLM carries out a dual mandate to manage public land for multiple uses while conserving natural, historical, and cultural resources.

Cambridge University Press
http://cambridge.org/SAA_2021
Cambridge University Press is a not-for-profit publisher that dates from 1534 and is part of the University of Cambridge. Our mission is to unlock people’s potential with the best learning and research solutions by combining state-of-the-art content with the highest standards of scholarship, writing and production.

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Center for Applied Isotope Studies
https://cais.uga.edu
Radiocarbon Dating, Stable Isotope Analysis, Elemental analysis, XRF, ICP-OES, ICP-MS, Lead and Strontium Isotope Analysis.

Use coupon code SAA2021 for 10% off all standard services. Offer good through December 31, 2021.

Council of Allied Societies (CoAS)
The Council of Allied Societies is comprised of state and regional non-profit Avocational and public focused-based Archaeology Societies and an elected CoAS Leadership Team. CoAS serves as a forum for the exchange of information between its member societies and the professional community members of the Society for American Archaeology.

Digital Antiquity & tDAR
www.digitalantiquity.org
The Center for Digital Antiquity is devoted to ensuring the long-term preservation and accessibility of irreplaceable archaeological resources threatened by technology obsolescence, physical deterioration, and/or insufficient data management planning. Our repository, the Digital Archaeological Record (tDAR), provides tools to preserve, manage, and access records from archaeological investigations.
Digital Index of North American Archaeology (DINAA) - Open Context
http://ux.opencontext.org/archaeology-site-data/
The DINAA project integrates archaeological site file data from across North America into a unified database for use by scholarly, resource management, and public audiences. DINAA data are published through Open Context, an open access publisher of digital archaeological content from excavations, surveys, and collections worldwide.

Geometrics Inc.
www.geometrics.com
Geometrics Inc., a subsidiary of OYO Corporation, has 50 years of experience in manufacturing magnetic, seismic and EM instruments for a variety applications. From our land-based geophysical systems to our new UAV-mounted MagArrow magnetometer, we manufacture equipment to meet our clients’ ever-changing needs. Ask us how to Simplify you search.

Geophysical Survey Systems Inc.
www.geophysical.com
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Human Relations Area Files (HRAF) at Yale University
www.hraf.yale.edu
HRAF is a membership-supported nonprofit organization comprised of universities, colleges, and research institutions. Its mission is to promote understanding of cultural diversity and commonality in the past and present. HRAF produces scholarly resources and infrastructure for research, teaching and learning, and supports and conducts original research on cross-cultural variation.

NPS Archeology Program
www.nps.gov/archeology
The Archeology Program is situated in the Cultural Resources Stewardship, Partnerships, and Science Directorate at the Washington Support Office. The Program provides national leadership, coordination, and technical guidance to assist parks, regions, and partners with the preservation and protection of archeological resources.

Oxford University Press
https://pages.oup.com/hums/1333375359088560115/saa21
Oxford University Press is the world’s leading university press. Our academic publishing programme serves scholars, teachers and researchers, publishing important and rigorous research and scholarship.
Peer Community in Archaeology
https://archaeo.peercommunityin.org/
Peer Community in Archaeology (PCI Archaeology) has been launched in March 2020. It is a community of recommenders playing the role of editors who recommend unpublished articles based on peer-reviews to make them complete, reliable and citable articles. Evaluation and recommendation by PCI Archaeology are free and totally transparent.

Project Archaeology-Bureau of Land Management
www.projectarchaeology.org
An award-winning national education program, Project Archaeology has been serving educators since 1990. Project Archaeology provides educational materials for formal classrooms, professional development for educators, and informal lessons for a variety of audiences across the United States. Learn how Project Archaeology can assist you with your educational programs and projects.

Register of Professional Archaeologists
www.rpanet.org
The Register of Professional Archaeologists is a community of professional archaeologists. Our mission is to establish and adhere to standards and ethics that represent and adapt to the dynamic field of archaeology and to provide a resource for entities who rely on professional archaeology services.

Robert S. Peabody Institute of Archaeology
www.andover.edu/learning/peabody
The Robert S. Peabody Institute of Archaeology employs collaborative learning to actively engage students, teachers, scientists, and Native Americans with the museum’s significant archaeology and anthropology collections. Our primary focus is on archaeology in the high school classroom, collections care, repatriation and decolonizing museum practice.

SENSYS - Magnetometers & Survey Solutions
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SENSYS one of the leading provider of magnetic and electromagnetic survey systems and components. Reliable and reproducible. That is the expectation we point to ourselves to make sure our clients can rely on us. As they operate in sensitive environments, we better do an excellent job, deliver stable but precise sensors and survey solutions to gather as much data in the field as possible.

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www.sha.org
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Springer publishes quality content for the Archaeology community through a range of innovative formats and services. The research we publish reaches all relevant audiences in the multiple formats so it can be widely discovered and shared. Our portfolio includes cutting-edge journals, books and ebooks from distinguished authors to serve clinicians, researchers, teachers and students.

Statistical Research Inc.
www.sricrm.com
SRI, a woman-owned, full-service CRM firm, conducts projects worldwide and develops practical, innovative heritage management solutions for our clients that balance economic development with preservation mandates and incorporate cutting-edge interdisciplinary programs in geospatial technology, data management, modeling, and cultural landscape studies.

Test Your Native Knowledge
(From “Assessing Knowledge of Native American Tribes and Their Heritage: An Interactive Poster”)
Have you met with Tribal representatives and thought, “huh”? What does TPHO stand for? Do you know on whose Tribal land the SAA meeting is being held? Join us for an exciting interactive game to assess your knowledge of Native American Tribes, their past, present, and future.

Thames & Hudson
https://wwnorton.com/
thames-and-hudson-virtual-book-fair-archaeology
Thames & Hudson is the global market’s pre-eminent publisher of illustrated books. Our catalog of beautifully printed volumes includes widely respected titles and textbooks in archaeology, ancient history, and classics. We are distributed in the U.S. and Canada by W.W. Norton & Co.

The Dirt Podcast
thedirtpod.com
Founded in 2018, The Dirt brings diverse stories and research from archaeology and anthropology to a global, all-ages audience. Learn more, or even get involved!

University College London (UCL) Institute of Archaeology
https://www.ucl.ac.uk/archaeology/
The UCL Institute of Archaeology is one of the largest centres for archaeology and cultural heritage in Britain, based in central London. Founded in 1937, it is one of very few places in the world actively pursuing research on a global scale in the archaeological sciences, heritage studies and world archaeology.

University of Alabama Press
www.uapress.ua.edu
The University of Alabama Press publishes rigorously peer-reviewed books that make profound contributions in southeastern, midwestern, New England, Mid-Atlantic, Caribbean, Latin American, maritime and
underwater, food and foodways, and restorative justice archaeology. Please also visit our virtual book exhibit boasting many stellar new, recent, and classic titles at a 40% conference discount.

University of Arizona Press
https://uapress.arizona.edu/
The University of Arizona Press is the premier publisher of academic, regional, and literary works in Arizona. We disseminate ideas and knowledge of lasting value that enrich understanding, inspire curiosity, and enlighten readers. We advance the University of Arizona’s mission by connecting scholarship and creative expression to readers worldwide.

University of Exeter
https://humanities.exeter.ac.uk/archaeology/
The Department of Archaeology at the University of Exeter, South-West England, is a leading provider of undergraduate (BA/BSc) and graduate (MA/MSc) taught degrees in Archaeology, Bioarchaeology (Human Osteology, Forensic Anthropology, Zooarchaeology), Experimental Archaeology and Roman Archaeology. We also have vibrant research degree programs (MA by Res, MPhil and PhD).

University of Michigan Museum of Anthropological Archaeology
https://sites.lsa.umich.edu/archaeology-books/
UMMAA has published monographs’ featuring excellent scholarship, meticulous research, and vibrant interpretation since 1932. Today, we continue to publish data-rich archaeological and ethnographic publications on North- and Latin-American, Near Eastern, European, African, and Asian themes. These are now on the Fulcrum platform (https://www.fulcrum.org/ummaa). Many are free-to-read.

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For over ninety years, the University of New Mexico Press has published important scholarship in the fields of anthropology, archaeology, Indigenous studies, Latin American studies, and the history, literature, ecology, and cultures of the American West. UNM Press also publishes books in partnership with the School for Advanced Research Press.


University of Pennsylvania Museum & Press
https://site.pennpress.org/saa-2021/
The University of Pennsylvania Museum has published the results of research conducted by Museum staff since its first expedition in 1889. The Museum also publishes books of scholarly and general interest about Museum exhibits, symposia, and issues in archaeology and anthropology. The Museum’s books are distributed by Penn Press.
University of Pittsburgh Center for Comparative Archaeology
www.comparc.pitt.edu
The Center fosters global collaboration and comparative study in archaeology by working with authors to publish the results of primary archaeological research, both online in the open-access Comparative Archaeology Database and in traditional book form as well. It distributes books and journals from institutions in Latin America.

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University Press of Colorado
www.upcolorado.com
The University Press of Colorado is a refereed scholarly publisher with well-respected lists in Mesoamerican, North American, South American, and Near Eastern Archaeology. We welcome submissions of monographs, edited volumes, and classroom texts dealing with archaeological research in these regions as well as topical volumes situated in a global context.

New and forthcoming titles will be available at a 60% discount with free domestic shipping for the course of the meeting and through May 31, 2021.

University Press of Florida
www.upress.ufl.edu
The University Press of Florida publishes award-winning titles in archaeology, bioarchaeology, and anthropology with a focus on the Southeast, the Caribbean, and Central and South America. Visit our website at upress.ufl.edu. We are offering deep discounts and free shipping on all orders with code SAA21.
CRM Expo Directory

The CRM Expo is jointly sponsored by ACRA and SAA. Scheduled between 1:00 p.m. and 3:00 p.m. on Saturday, April 17, the expo showcases CRM practitioners and training programs. This is an excellent opportunity to meet firm principals and educators; learn about employment and training opportunities in CRM/heritage management; and hear about important CRM projects in your region.

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