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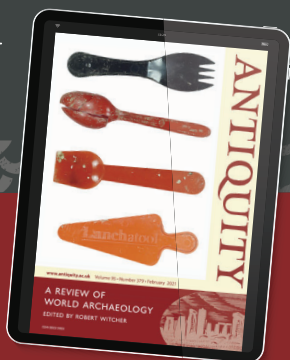
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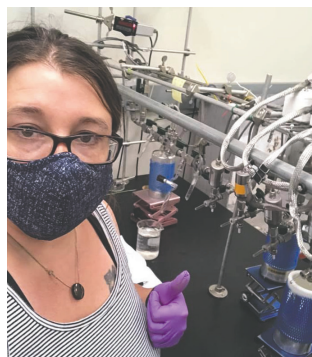
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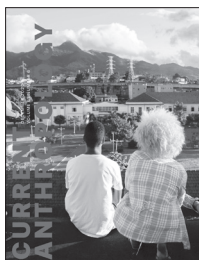


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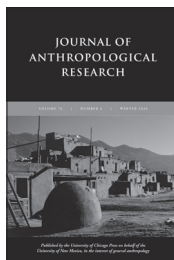
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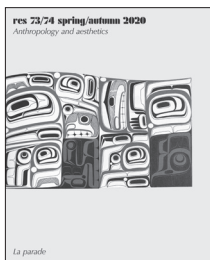
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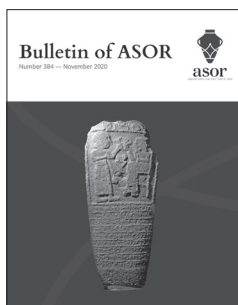
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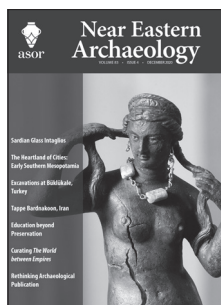
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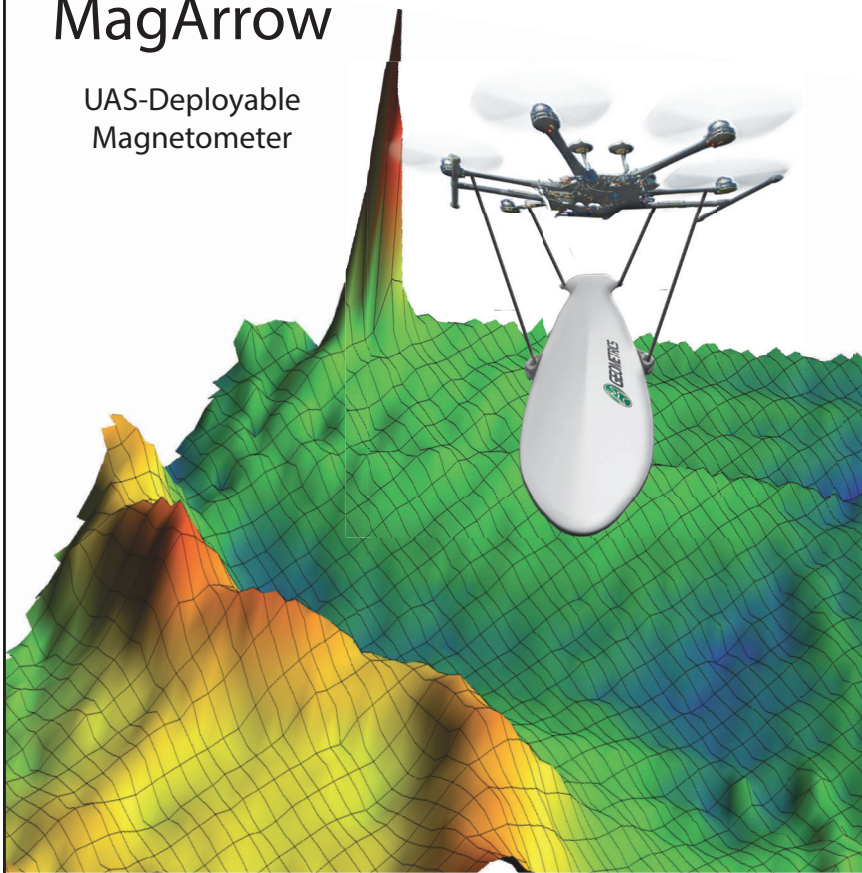
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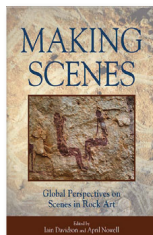
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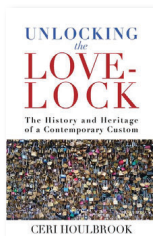
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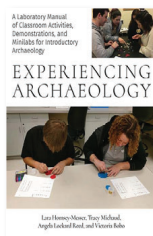
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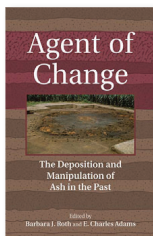
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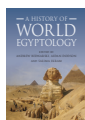
We are happy to announce New Series Editors: **Anastasia Dakouri-Hild** and **Georgos Vavouranakis**.

If you have a project you would like to discuss during the SAA meetings or in the future, please contact Archaeology Editor Caryn M. Berg at [caryn.berg@berghahnbooks.com](mailto:caryn.berg@berghahnbooks.com)

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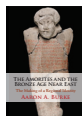
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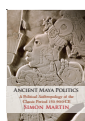
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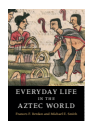
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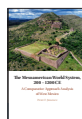
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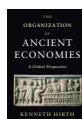
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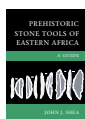
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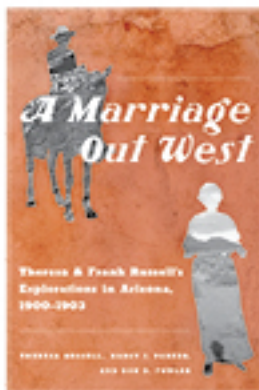
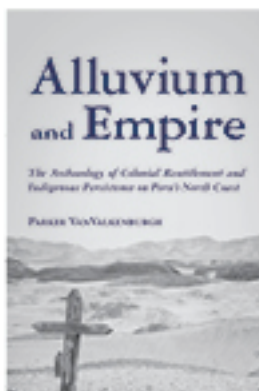
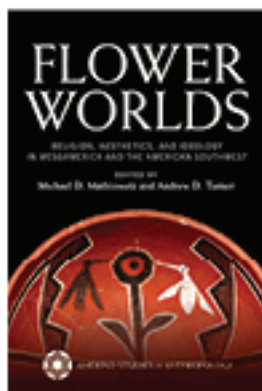
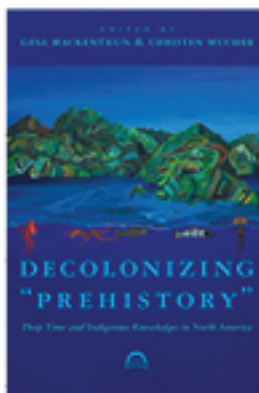
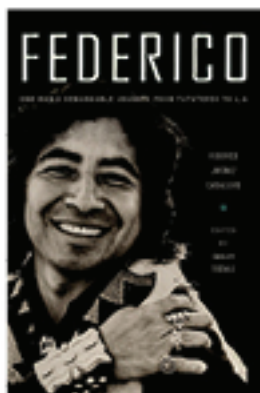
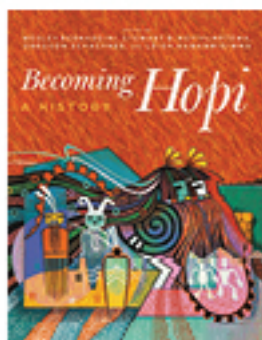


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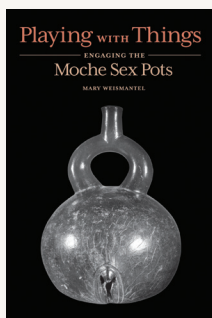
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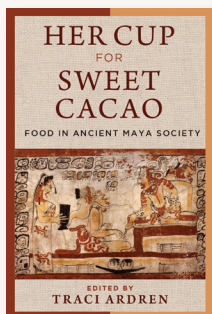


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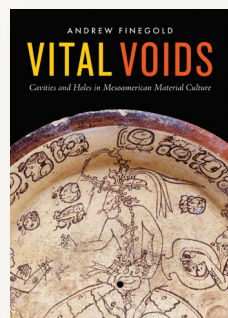


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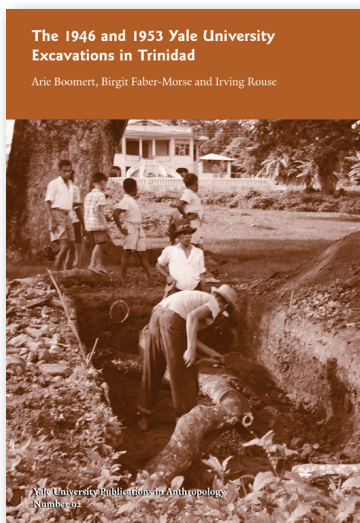
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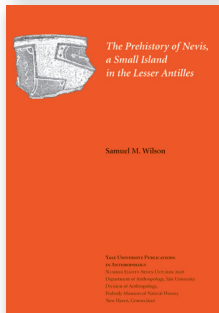


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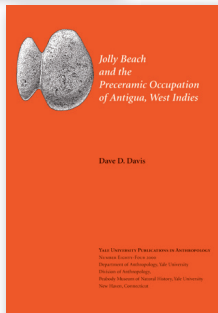
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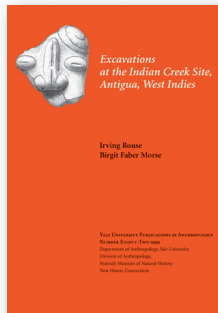
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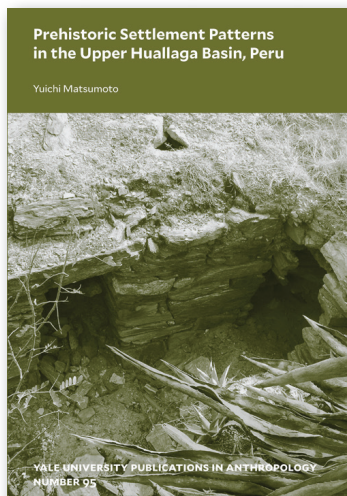
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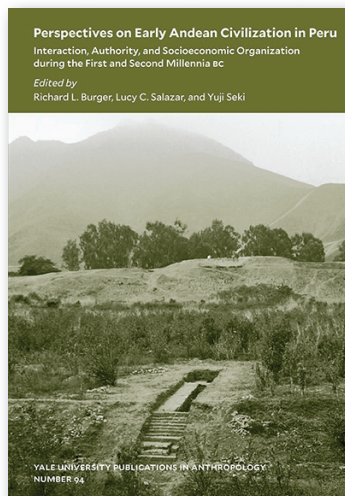
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# Program of the 86th Annual Meeting<sup>\*</sup>

April 15–April 17, 2021  
Online



SOCIETY FOR AMERICAN ARCHAEOLOGY

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\* 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.

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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>

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.

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\* 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>.**

## 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](mailto: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 Cappelletta 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 incarcerated 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

(BNP). 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 the 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

Sean P.A. Desjardins, RPA  
University of Groningen

### Program Assistant

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Community College of Denver;  
History Colorado

Jenna Domeischel, RPA  
Texas Tech University

Meghan J. Dudley  
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### Committee Members

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Kimball M. Banks, RPA  
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University of Montana

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Center for Environmental Manage-  
ment of Military Lands

Hugo C. Ikehara Tsukayama  
Metropolitan Museum of Art, NY

Dylan J. Clark, RPA  
North Carolina Department of  
Natural and Cultural Resources

Lindsay Johansson, RPA  
Idaho State Historical Society

Brigitte Kovacevich  
University of Central Florida

Angie M. Krall  
Carson National Forest

WengCheong Lam  
Chinese University of Hong Kong

Maxime Lamoureux St-Hilaire  
Davidson College

Ashley M. Lingle  
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Terracon Consultants, Inc.

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Pascale Meehan  
University of Colorado, Boulder

Jillian L. Mollenhauer  
Metropolitan State University of Denver

William J. Pestle  
University of Miami

Kelsey M. Reese  
University of Notre Dame

William Patrick Ridge  
University of Illinois at Chicago

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 VanValkenburgh  
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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### ***Ex-officio Board Member***

Oona Schmid

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Manager, Education and Outreach

Roksana Qasimi  
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Administrative Services

Amy Rutledge  
Manager, Communications and  
Fundraising

Solai Sanchez  
Coordinator, Membership and  
Meetings

Cheng Zhang  
Manager, Information Services

## General Information

### 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](mailto:headquarters@saa.org).

If you have questions about your log-in credentials, contact [webmaster@saa.org](mailto:webmaster@saa.org).

If you have a technical problem with the website for the 86th Annual Meeting Online, please contact [buffalo.support@conventusvirtual.com](mailto: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](mailto: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](http://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> to register.

If you have questions about registration, please contact [headquarters@saa.org](mailto: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](mailto: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](http://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](http://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, Register 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.

## Summary Schedule

### Friday, April 2

10:00 a.m.–10:30 a.m. EDT  
First-Time Attendee and New  
Member Meeting Orientation

### Monday, April 5

3:00 p.m.–3:30 p.m. EDT  
First-Time Attendee and New  
Member Meeting Orientation

### Monday, April 12

3:00 p.m.–5:00 p.m. EDT  
Workshop: Teaching Integrity in  
Empirical Archaeology

### Tuesday, April 13

3:00 p.m.–5:00 p.m. EDT  
Workshop: Power, Responsibility &  
Accountability

### Wednesday, April 14

11:00 a.m.–1:00 p.m. EDT  
Open Forum: Changes to Statement  
on Human Remains

5:00 p.m.–6:00 p.m. EDT  
Student Welcome to the SAA

### Thursday, April 15

8:00 a.m.–5:00 p.m. EDT  
Symposia

11:00 a.m.–1:30 p.m. EDT  
Chat with Exhibitors

12:00 p.m.–1:00 p.m. EDT  
Archaeologist-Collector  
Collaboration Interest Group  
(ACCIG) Business Meeting

12:00 p.m.–1:00 p.m. EDT  
Heritage Values Interest Group  
Business Meeting

12:00 p.m.–1:00 p.m. EDT  
Queer Archaeology Interest Group  
Business Meeting

1:00 p.m.–5:00 p.m. EDT  
16th Annual Ethics Bowl and  
Discussion Forum

2:00 p.m.–4:45 p.m. EDT  
Presidential Session: What is at  
Stake? The Impacts of Inequity and  
Harassment on the Practice of  
Archaeology

4:00 p.m.–5:00 p.m. EDT  
Prehistoric Quarries and Early  
Mines Interest Group Business  
Meeting

4:30 p.m.–6:00 p.m. EDT  
The Zooarchaeology Interest Group  
Roundup

5:00 p.m.–6:00 p.m. EDT  
Women in Archaeology Interest  
Group Reception and Mentoring

### Friday, April 16

8:00 a.m.–5:00 p.m. EDT  
Symposia

11:00 a.m.–1:30 p.m. EDT  
Chat with Exhibitors

12:00 p.m.–1:00 p.m. EDT  
Afro-Latin American Archaeology  
Interest Group Reception

12:00 p.m.–1:00 p.m. EDT  
Get-Together for Archaeologists of  
East and Southeast Asia

12:00 p.m.–1:00 p.m. EDT  
Island and Coastal Archaeology  
Interest Group Business Meeting

4:00 p.m.–5:00 p.m. EDT  
SAA Annual Business Meeting

5:00 p.m.–6:00 p.m. EDT  
Bioarchaeology Interest Group  
Business Meeting

5:00 p.m.–6:00 p.m. EDT  
Rock Art Interest Group Business  
Meeting

## **Saturday, April 17**

8:00 a.m.–5:00 p.m. EDT  
Symposia

12:00 p.m.–1:00 p.m. EDT  
Curation Interest Group Social

12:00 p.m.–1:00 p.m. EDT  
History of Archaeology Interest  
Group Business Meeting

12:00 p.m.–1:00 p.m. EDT  
Geoarchaeology Interest Group  
Business Meeting

1:00 p.m.–3:00 p.m. EDT  
CRM Expo

## **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](http://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](http://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]*

**[3] POSTER SESSION ■ PRACTICES IN EXCAVATION TECHNIQUES AND MATERIAL ANALYSES****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

**Poster Sessions****[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-b Mary Davis, Lucas Martindale Johnson, Elsa Carpenter, Lee Drake and Daron Duke—Very Small Rocks: Exploring Specimen Size Limits in Trace-Element Analysis of Obsidian Flaked Stone with Portable XRF
- 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 Semi-arid 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 ( $\delta^{18}\text{O}$ ,  $\delta^{15}\text{N}$ ,  $\delta^{13}\text{C}$ ) of Human Remains from the Santa María de Zamartze, Uharte-Arakil Municipality, Navarre Region, Spain

**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 Okanogan-Wenatchee National Forest, WA
- 10-b William Whitehead—Recent UAV Data Collection and Integration with Traditional Archaeological Methodologies
- 10-c Joshua Wells, Mackenzie Edmonds, David Anderson, Eric Kansa and Sarah Kansa—Linking Convergence between Compliance and Research Archaeology through Linked Open Data Strategies in the Digital Index of North American Archaeology
- 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

**[11] POSTER SESSION ■ CURRENT TECHNIQUES IN ARCHAEOLOGICAL SURVEY****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 Juengst, 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 Paleoethnobotanical Study of Structure I 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 Carbajal Salazar and Sarah Baitzel—*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

Poster Sessions**[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-Selby—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 Gerad 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-Ownning Family
- 20-f Lauren Hosek and Katelyn Bajorek—Worn Down: Dental Attrition and Dietary Differences at an Early Medieval Settlement in Central Europe

**Poster 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 Apachean 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 Ravyn 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-f Jared Renaud—*Anticipating Changing Heritage Values: Reevaluating Priority Cultural Resources Criteria in Pima County, Arizona [Withdrawn]*
- 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

**[27] POSTER SESSION ■ USES OF GEOGRAPHIC INFORMATION SYSTEMS (GIS) IN NORTH AMERICAN ARCHAEOLOGY**

**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 I 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*)

**Poster Sessions**

- 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 Zhengnan 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 Bajío 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

**[31] POSTER SESSION ■ FORMAL MODELS AND EXPERIMENTAL  
ARCHAEOLOGY OF GROUND STONE MILLING TECHNOLOGY**

**Chair:** Tammy Buonasera

**Participants:**

- 31-a Tammy Buonasera—Considering Women's Tech Choices: Grinding Efficiency and Performance Characteristics of Hunter-Gatherer Milling Tools
- 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

**Poster Sessions**

**[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 Stavian 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

**Poster Sessions****[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 Joaquín Arroyo-Cabral, 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, Joaquín Arroyo-Cabral 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 Forget Brisson, Michel Lamothe, François Hardy and Kelly Graf—Contributions of IRSI 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

**Poster Sessions****[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 Gregg Jamison, William Belcher, Charles Konsitzke, Brett Hoffman and Ella Axelrod—UW MIA Recovery and Identification Project: A Multidisciplinary Approach to DPAA Partner Missions
- 38-g Katharine Kolpan and Nicholas Passalacqua—Forensic Archaeology Fieldwork as a High-Impact Practice
- 38-h Ian Lilley, Kelsey Lowe, Nick Bainton and Richard Martin—Preliminary Investigations of Missing American Service Members in Papua New Guinea
- 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 Coddling—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 Mark Hall and Tanner Whetstone—Charcoal, Pollen, and Statistics: Spatio-Temporal Occupation of the Black Rock Desert Basin
- 39-d Kurt Wilson, Daniel Contreras, Joan Coltrain, D. Craig Young and Brian Coddling—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 Coddling, 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-i Darcy Bird, Kyle Bocinsky and Tim Kohler—Maize, Construction, and Population Changes: One Way to Identify Sunk Cost Behaviors in Central Mesa Verde
- 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] POSTER SESSION ■ 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-Chindebvu—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 Scaffidi, 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 Biver 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.–11:15 a.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 Abiquiú, 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 Shiviwt 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

**[47] 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 Epifania Suafo’a Tava’i—Archaeology of Luatete 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 Semiarid 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
- 8:15 Richard Hansen, Edgar Suyuc and Gustavo Martinez—Middle Preclassic Occupation and Architecture of the Mirador Basin, Guatemala
- 8:30 Richard Paine, Kevin Johnston, Enrique Hernandez and Richard Hansen—Hidden Structures at El Mirador: Challenges and Prospects
- 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 JuanLuis 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 Marcia 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 Saraguat, 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
- 9:15 Kurt Dongoske and Kurt Anschuetz—Cultural Resource Management, Archaeological Collections, and Ethical Issues Associated with Representations of Indigenous Time, Space, Materiality, and Historicity
- 9:30 Jessica Mauck, Alexandra McCleary and Ryan Nordness—Decolonization and Co-stewardship: Protecting Cultural Landscapes across Serrano Ancestral Territory

- 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
- 9:15 Ana Soler-Arechalde, Laura Beramendi-Orosco and Galia González-Hernández—Archaeomagnetic Studies in Xalla: Contributions to the Chronology of Teotihuacan
- 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 Maria Vázquez-de Ágredos-Pascual—La tecnología del color en Xalla: Instrumentos, materias primas y procesos de manufactura

- 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 Precolumbian *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
- 10:15 John White, Ted Goebel, Aureade Henry, Stephen Kuehn and Lyndsay DiPietro—Results from Test Excavations of NAB-00533: Apparent Nenana-Aged Occupation from the Northern Copper River Basin

**[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 Garcia-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 Paleoindian 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-Martínez, Paloma Constanza Huerta-Chavez, Alejandro Alvarado-Gonzalez and Víctor 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

- 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 Nores, 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 Fauseit**Participants:**

- Ronald Fauseit—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 I, 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, Leticia 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

- 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*
- 3:15 *Katelyn Frederick—Hips Don't Lie: A Validation Study of the Albanese Metric Sex Estimation Method for the Proximal Femur on a Modern North American Population*

**[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 Nyalonzelwe 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] SYMPOSIUM ■ 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 paletada 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 Pucará 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 Torres 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
- 4:15 Ricardo Antorcha Pedemonte and Lane Fargher—Common Pool Resources, Collective Actions, and Landscapes: A Cross-Cultural Evaluation

## **[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, Dorothee 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 Dalmás and Pedro Morales—Investigating the Pleistocene-Holocene Transition in the Tehuacan Valley of Mexico: New Dates and Isotopic Data
- 4:15 Mariela Declat 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

**[74] 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 Aribalos from the Bandelier Collection, American Museum of Natural History [Withdrawn]*
- 2:15 Trevor Keevil, Melissa Torquato, Sarah Coon, Jacob Harris and Erik Otárola-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

**[75] 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 DZIBANCHÉ 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 Kaanu'l 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 fotogrametría 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 Bourdonnec, Bernard Gratuze and Mathieu Langlais—Lithic Procurement at Montlleó 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 Khorī 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, Chéima Barhoumi, Guillemette Ménot, 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 Flanagan, 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

- 2:45 Xóchitl Martínez Martínez, Dante García and Eduardo García Wiguera—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 Angel 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 Atzompá
- 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 IIIB/IV en Atzompá, 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 Maureece 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 Nagaoka and Scott Fitzpatrick—When Did Early Migrants Reach Pohnpei? Human Migration, Interisland Networks, and Resource Use in Eastern Micronesia
- 4:45 Scott Fitzpatrick—Discussant

**[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 Stöckli—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 Ethno-  
archaeomusicological 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?

**Friday Morning ■ April 16, 2021****[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 Zapotitan Valley, El Salvador
- 8:30 Andy Combey, Laurence Audin, Carlos Benavente Escóbar, 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 Intraskkeletal  $\delta$ -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 Ėgűez, 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 Zараа 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
- 10:15 Henny Piezonka, Enkhtuul Chadraabal, Jonathan Ethier, Martin Oczipka and Christian Ressel—Abandoned Cities in the Steppe: Roles and Perception of Early Modern Religious and Military Centers in Nomadic Mongolia
- 10:30 Kristen Pearson—Ethnoarchaeology, Human-Animal Relationships, and Participatory Research in Mongolia

**[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 Woldekios, 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 Connley Caves, Oregon



- 8:15 Justin Holcomb, Lisa-Marie Shillito, Alicia Sawyer, Karl Wegmann and Panagiotis Karkanas—Microarchaeological Approaches to the Identification of the Younger Dryas in the Northern Great Basin
- 8:30 Katelyn McDonough and Jaime Kennedy—Paleoethnobotany of the Connley 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 (Nipéhe), 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 ■ ARCHAEOOMETRY, 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 Martinez Milantchi, 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

- 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  $\delta^{18}\text{O}$  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
- 9:15 *Philippe Lanos and Philippe Dufresne—A New Bayesian Approach for Estimating Chronological Events and Phases with ChronoModel [Withdrawn]*

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

**[98] SYMPOSIUM ■ ADVANCES IN GLOBAL SUBMERGED PALEOLANDSCAPES RESEARCH**

*(Sponsored by Island and Coastal Archaeology)*

**Time:** 8:15 a.m.–11:30 a.m.

**Chairs:** Amy Gusick and Amanda Evans

**Participants:**

- 8:15 John O'Shea—Necessity, Not Novelty: Archaeology on Submerged Landscapes
- 8:30 Jessi Halligan—Where Is the Waterline? Integrating Terrestrial and Underwater Investigations in the Aucilla River, Florida
- 8:45 Ashley Lemke—Submerged Prehistoric Archaeology on the Atlantic Continental Shelf
- 9:00 Martin Segschneider, Hauke Jöns, Moritz Mennenga and Jonas Enzmann—The SPLASHCOS Viewer: The First Online Atlas of Submerged Prehistoric Sites in Maritime Europe and the Mesolithic Site of Strande, Kiel Bay
- 9:15 Dominique Rissolo—An Overview and Synthesis of Paleocoastal Research on the Yucatán Peninsula
- 9:30 Neil Puckett—The Walker Lake Landscape: Combining Geophysical Studies to Clarify Regional Change and the Archaeological Record
- 9:45 Isabel Cartajena, Diego Carabias, Renato Simonetti, Valentina Flores-Aqueveque and Cristina Ortega—New Insights into a Late Pleistocene Submerged Landscape on the Pacific Coast of South America

- 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 Taxis 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

- 9:45 Marisa Borreggine, Evelyn Powell, Richard Meadow, Jerry Mitrovica and Christian Tryon—Paleocurrents in a Least-Cost Pathway Model of Human Dispersal from Sunda to Sahul, 65–45 Kya
- 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 Codlin, 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
- 11:00 Matthew Des Lauriers and Claudia García-Des Lauriers—Los Horcones and Teotihuacan: Agency, Art, and Interaction
- 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 CHACHOAPAN: 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-I 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 Río 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 Yanhuítlan 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 Silvernale 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 Precolumbian 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
- 10:15 Joshua Englehardt and Michael Carrasco—The Tenaxpi Egg: Ecology, Representation, and Conceptual Convergence in Olmec Art
- 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 Martín 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—Cidade de Bagunte: Learning Behaviors from Reconstruction and Excavation
- John Duncan Hurt—Social and Behavioral Implications of Architecture at the Cidade 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 Cidade de Bagunte
- Nadya Prociuk—Silver against Skin: Exploring the Materiality of the Cidade 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 of 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

**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'ña 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 Matancela, 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

**[124] 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
- 2:15 Nikola Babucic, Jörg Linstädter, Sabrina Stempfle and Martina Seifert—Tracing Early Farming Communities in Southern Mozambique by Geophysical Prospection: Current State of Activities, Part 2
- 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 Iluga 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 Dominique 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'SIOSKITSIPAKI**

**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 Clairia 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

- 3:15 Bethany Turner, Molly Zuckerman and Haagen Klaus—Doing Context-Specific, Anthropological Bioarchaeology: Hard Times from England to the Andes
- 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—Tajahua: 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 Francesca Fernandini—One Settlement, Many Communities . . .
- 2:30 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

- 4:00 Rodrigo Areche—Reconstructing the Political Dynamic of the Inka State in the Cañete Valley: A Perspective from the Site of Huacones—Vilcahuasi
- 4:15 Juliana Gómez, Jordan Dalton, Colleen O'Shea and Noemi Oncebay—Death after Inka Expansion: Analyses of a Secondary Communal Burial at Las Huacas, Chinchá Valley
- 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 Burt—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 obesulus* 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 ( $^{87}\text{Sr}/^{86}\text{Sr}$ ) 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]

- 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  $^{14}\text{C}$  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

- 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 Yojoa 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:**

- 1:30 Christina Bisulca, Marilen Pool, Nancy Odegaard, Josh Henkin and Kristof Cank—Plant Exudates of Arizona: Use, Properties, and Testing
- 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 Rocío 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 sahumerios 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: DIÁLOGOS 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



- 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 Caracol, 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 Chachaklu'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
- 3:45 Mark Golitko—What Do Archaeological Networks Reveal? Comparing New Guinean Material Culture with Ethnographic Network Structure

**[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-Álvarez 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 Rieth—Assessing Diversity in the Society for American Archaeology Journals
- 8:30 Robert Witcher and Emily Hanscam—Women in *Antiquity*: An Analysis of Submissions, Peer Review, Editorial Decisions, and COVID-19
- 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

**[146] 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
- 9:30 Pape Laity Diop—Another Form of Slave Ship: Local Nautical Technologies and Practices in the Persistence of the Senegambian Slave Trade (1818–1888)

**[147] 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
- 9:15 Dylan Kelly—Applying Circuit Theory to Colonial Expansion Modeling in the Great Bay Estuary, New England.

**[148] 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 Lísabet 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 Guðmundur Ólafsson—Of Monsters and Men: Material Culture, Movement, and Symbolism at Surtshellir, 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 Surtshellir'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]*

**[149] 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 Ligüiqui (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

**[150] 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 Rivier 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 I
- 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 Champotón
- 9:45 Guido Krempel—Venerating Death and Fertility: Implications of Late Terminal Classic Maya Use of Monuments with Skeletal Imagery
- 10:00 Emilie Carreón 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 Yucatán
- 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 Iribe and Christopher Morehart—Landscape Modification and Agricultural Production on Cerro Ahumada, Mexico
- 9:30 Caroll Davila, Ivan Rivera and Jennifer Saumur—I'ya Xhína 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

**[156] 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 Pasts: 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

**[157] 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 Huarochirí (Lima, Peru)
- 10:00 Jordan Dalton—Chincha-Inka Joint Rule: Exploring the Role of Local Elites in the Transformations of Complex NI 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 Gianina 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-Buitenhuis—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



- 11:00 Buck Woodard and Danielle Moretti-Langholtz—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] SYMPOSIUM ■ 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, 2021****[170] GENERAL SESSION ■ APPLICATIONS OF PALEOETHNOBOTANY****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:**

Jessi 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 Keevil, 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**

**Time:** 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
- 2:45 Melanie Lacan—Monumental Nature and Natural Containers: Caves as Ideal Loci for Ritual Action

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

**Time:** 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-Tagüeña—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 Coddington, Kate Magargal, Douglas Bird, Rebecca Bliege Bird and David Zeanah—Resource Acquisition Risk as a Driver of Subsistence Transitions

**[176] SYMPOSIUM ■ ARCHAEOACOUSTICS: 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 Archaeoacoustics
- 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 Archaeoacoustics: 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 Archaeoacoustic 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 Chicoloapan, Mexico
- 1:45 Luis Barba, Jorge Blancas, Agustín Ortiz, Ricardo Leonel Cruz Jimenez and Sarah Clayton—Geophysical Studies in the Archaeological Site of Chicoloapan, 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 Macroremain Analyses
- 3:00 Angela Huster—Ceramic Chronology in the Absence of a Horizon
- 3:15 Christopher Morehart, Angela Huster, Dean Blumenfeld and Eunice Villaseñor 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

**[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 Precolumbian Humans from Panama
- 2:00 Mauricio Murillo-Herrera and Felipe Sol-Castillo—Reconstructing Trajectories of Social Change: A Multiscale Approach Applied to the Valle Central Occidental, Costa Rica
- 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 Precolumbian 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 Chiriquí: Initial Comparisons between El Cholo, Cantarero, and Pejeporro 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 Krus, 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 María 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
- 3:15 Olivia Kindl and Alma Noemi Vega Barbosa—Rock Art and Ritual Routes: Visual Complexity in Cerro de la Nariz, Wakiri kitenie (Potosino Highlands, Mexico)
- 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

*All times are listed in Eastern Daylight Time*

- 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. Marla Toyne, Johannes Krause and Kirsten Bos—Precolumbian 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 Huarochiri
- 3:30 Ridge Anderson and Zach Chase—“Paria Caca Loves Him”: The Camelid and Huarochiri 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
- 3:30 Jenna Domeischel—Building the Middle-Ground Archive: A Resource for Navigating Burial Laws, Regulations, and Guidance
- 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:**

- 1:15 Alexander Smith—Frost Town Archaeology 2019–2020: Pedagogy and Public Practice
- 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]*
- 2:15 Zada Law, Susan Knowles and Ken Middleton—The Archaeology of Citizenship: African American School Sites in Post-emancipation Tennessee
- 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 Orbe gozo 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

**[187] SYMPOSIUM ■ “IS THERE GOLD IN THAT FIELD?” CRM AND PUBLIC OUTREACH ON THE FRONT LINES***(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 Troccoli—Gold Is in the Eye of the Beholder: Public Outreach and Education in Washington, DC

- 3:30      Falcia 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  
 Nathan 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 Oxide Ingots from the Cape Gelidonya Shipwreck
- 4:00 Rachel Kulick, Kevin Fisher and Francesco Berna—Geoarchaeology of Terraces and Building XVI at Kalavassos-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, Etzanoa, Was Located at the Mouth of the Walnut River, Arkansas City, Kansas

- 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—Precolumbian 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

## SAA Awards, Scholarships, and Fellowships

### AWARD FOR EXCELLENCE IN ARCHAEOLOGICAL ANALYSIS

Established in 2001, this award recognizes the excellence of an archaeologist whose innovative and enduring research has made a significant impact on the discipline. Nominees are evaluated on their demonstrated ability to successfully create an interpretive bridge between good ideas, empirical evidence, research, and analysis. This award now subsumes three themes presented on a cyclical basis: (1) an Unrestricted or General Category, (2) Lithic Analysis, and (3) Ceramic Analysis.

- 2001 George L. Cowgill
- 2002 Robin Torrence
- 2003 Carol Kramer (*posthumous*)  
Hector Neff
- 2004 David Lewis-Williams
- 2005 George H. Odell
- 2006 Michael Brian Schiffer
- 2007 Robert L. Bettinger
- 2008 William Andrefsky Jr.
- 2009 Judith Habicht-Mauche
- 2010 Timothy A. Kohler
- 2011 Steven Shackley
- 2012 James Skibo
- 2013 Gayle Fritz
- 2014 Harold Lewis Dibble
- 2015 Barbara J. Mills
- 2016 Barbara Voorhies
- 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 Burt

## BOOK AWARD

Established in 1995 to honor a recently published book that has had, or is expected to have, a major impact on the direction and character of archaeological research. The prize was awarded for the first time at the 61st Annual Meeting.

- 1996 Mary C. Stiner
- 1997 Bruce D. Smith  
Carmel Schrire
- 1998 Tom D. Dillehay  
Stephen Plog
- 1999 Mark Lehner  
Jon Muller
- 2000 Clive Gamble
- 2001 William W. Fitzhugh  
Elisabeth I. Ward
- 2002 Lewis Binford  
Anne-Marie Cantwell &  
Diana DiZerega Wall
- 2003 Kathleen Deagan &  
José María Cruxent  
Thomas F. King, Randall S.  
Jacobson, Karen Ramey Burns  
& Kenton Spading
- 2004 Brian Fagan  
T.J. (Tony) Wilkinson
- 2005 Susan Toby Evans  
Kelley Hays-Gilpin
- 2006 Peter Bellwood  
James E. Bruseh & Toni S.  
Turner  
Kristian Kristiansen &  
Thomas B. Larsson  
Bradley T. Leppe
- 2008 Tom Dillehay  
James W. Bradley
- 2009 Lothar Von Falkenhausen  
Jack Brink
- 2010 David W. Anthony  
Rebecca Yamin

- 2011 Vernon James Knight Jr.  
Steven Simms
- 2012 Matthew Richard Des Lauriers  
Terry Hunt  
Carl L. Lipo
- 2013 Elizabeth Arkush  
Patrick Kirch
- 2014 Michael L. Galaty  
Ols Lefe  
Wayne E. Lee  
Zamir Tafilica  
Jerry D. Moore
- 2015 Dimitra Papagianni &  
Michael A. Morse  
Steven A. Wernke
- 2016 Miranda Aldhouse-Green  
Robert Bettinger  
Guolong Lai
- 2017 Michael E. Smith  
Carolyn E. Boyd  
Enrique Rodriguez-Alegria
- 2018 Peter Bogucki (Popular)  
Tom Dillehay (Scholarly)
- 2019 Lynn Meskell (Popular)  
Krish Seetah (Scholarly)
- 2020 Carl M. Davis (Popular)  
Christine A. Hastorf (Scholarly)

## AWARD FOR EXCELLENCE IN CERAMIC STUDIES

Initiated in 1994 to recognize excellence by an archaeologist whose innovative Research or repeated and enduring contributions have advanced archaeology. (*Succeeded in 2001 by the Award for Excellence in Archaeological Analysis*)

- 1994 Patricia L. Crown  
William A. Longacre
- 1995 Frederick Matson  
Prudence Rice
- 1996 Dean E. Arnold

- 1997 Ronald Bishop  
James Hill  
1998 Robert L. Rands  
1999 Warren R. DeBoer  
2000 Owen Rye

## CHERYL L. WASE MEMORIAL SCHOLARSHIP

Archaeologist Cheryl L. Wase spent most of her career working in the high deserts of New Mexico. She died at the too-young age of 53 in 2004. When her mother, Jane Francy Wase, passed away in 2013, she left a bequest to the Society for American Archaeology to endow a memorial scholarship in her daughter's name. This generous memorial bequest brings together three major themes that defined Cheryl Wase's life: her dedication to archaeology, her love for New Mexico, and her constant willingness to help and support other women. The Wase Scholarship offers continuing support to eligible students. Listed below are each year's new recipients.

- 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

- Fiona Shaffer  
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 Reza 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

### **DIENTJE KENYON MEMORIAL FELLOWSHIP**

The Dientje 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 Dientje 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 Higuera Hare  
 (Univ of Pittsburgh)  
 1998 Mark D. Varien  
 (Arizona State Univ)  
 1999 Karen G. Harry  
 (Univ of Arizona)  
 2000 Alex Barker  
 (Univ of Michigan)  
 2001 Andrew I. L. Duff  
 (Arizona State Univ)  
 2002 Silvia R. Kembel  
 (Stanford Univ)  
 2003 Wesley Bernardini  
 (Arizona State Univ.)  
 2004 Ian G. Robertson  
 (Arizona State Univ)  
 2005 Severin M. Fowles  
 (Univ of Michigan)  
 2006 Elisabeth Hildebrand  
 (Washington Univ)  
 2007 Matthew Liebmann  
 (Univ of Pennsylvania)  
 2008 Kevin D. Fisher  
 (Univ of Toronto)  
 2009 Timothy C. Messner  
 (Temple Univ)  
 2010 Sarah Clayton  
 (Arizona State Univ)  
 2011 Scott G. Ortman  
 (Arizona State Univ)  
 2012 Christopher Morehart  
 (Northwestern Univ)  
 2013 Amanda Logan  
 (Univ of Michigan)  
 2014 Matthew A. Peeples  
 (Arizona State Univ)  
 2015 Alan Farahani  
 (Univ of California, Berkeley)  
 2016 Guy David Hepp  
 (Univ of Colorado, Boulder)

- 2017 Bernadette Cap  
(University of Wisconsin-Madison)
- 2018 Katherine Chiou  
(University of 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 Aiuvalasit
- 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  
Todd Pitezel
- 2008 Deanna Grimstead

- 2009 Samuel Duwe
- 2010 Matthew Peeples
- 2011 William Reitze
- 2012 Joshua Watts
- 2013 Katherine Dungan
- 2014 Christopher W. Merriman  
Kathryn J. Putsavage
- 2015 Saul L. Hedquist
- 2016 Jacob Lulewicz
- 2017 Katelyn Bishop
- 2018 Reuven J. Sinensky
- 2019 Megan Anne Conger
- 2020 Emily Kate  
Christopher Schwartz

## **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*)

- 2018 Nicholas St. Fleur (*New York Times*)  
 2019 Gayle Keck (*American Archaeology*)  
 2020 Lizzie Wade (*Science Magazine*)

### **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 Luisa 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  
Lawrence Keeley
- 1996 Jay K. Johnson
- 1998 Kenneth Hirth
- 1999 Barbara E. Luedtke
- 2000 Tom Hester

## NATIONAL SCIENCE FOUNDATION SCHOLARSHIPS FOR ARCHAEOLOGICAL TRAINING FOR NATIVE AMERICANS AND NATIVE HAWAIIANS

This scholarship supports training in archaeological methods for students and personnel of tribal or other Native cultural preservation programs who are from Native or indigenous populations in the United States and Canada.

- 1999 Lokelani H. Aipa  
Frank Mt. Pleasant  
Leslie Awong
- 2000 Leander Lucero  
Amada Rockman  
Lahela Perry
- 2001 Bonnie Lee Dziadasek  
Desiree Martinez  
Blair First Rider
- 2002 Deona Naboa  
Natalie Ball  
Tracy Pierre
- 2003 Michael Garcia  
Gordon C. Moore  
Carley Kaleo Veary  
Scott T. Kikiloi
- 2005 Lizatine A. Tsosie  
Laurie Shead  
Denny Gayton
- 2006 Vera Asp

Ashley Layne Atkins  
 Joey Condit  
 Elizabeth Lein'Ala Kahave  
 Roberta Lynn Thomas

- 2007 Tracey Pierre  
 2008 Na'Lilma Ahuna  
 Simon Solomon  
 2009 Shianne Sebastian  
 Ira K. Matt  
 Wesley D. Miles  
 2010 Wesley D. Miles  
 Simon Arthur Solomon  
 Elijah Sanderson  
 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 Burt  
 Michele Brownlee  
 Erin Renn  
 2018 Ashlyn Weaver  
 2020 Dominic Bush  
 Vikki Preston

### **NATIVE AMERICAN GRADUATE ARCHAEOLOGY SCHOLARSHIP**

This scholarship supports graduate studies for Native American students, including but not limited to

tuition, travel, food, housing, books, supplies, equipment, and childcare (up to \$10,000).

- 2010 Ashley Lane Atkins  
 2011 Frank James Raslich  
 2012 Nicholas Laluk  
 2013 Davina Two Bears  
 2014 Joseph Aguilar  
 2015 Garrett W. Briggs  
 2016 Antonio Villaseñor- Marchal  
 2017 Regina K. Hilo  
 2018 Raquel Romero  
 2019 A. Leiokeko'olani Brown  
 2020 Natalie Lolar  
 Emily Van Alst

### **NATIVE AMERICAN UNDER- GRADUATE 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

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, Cynthis Muñoz  
& Anne Katzenberg  
(Professional)
- 2007 Jeffrey Ferguson, Jelmer E.  
Eerkens & Michael Glascock  
(Professional)  
Bridget Zavala & Jose Luis  
Punzo Diaz (Student)
- 2008 Brandi Lee MacDonald, R.G.V.  
Hancock, Alison Pidruczny &  
Aubrey Cannon
- 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

## **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

- 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

- 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
- 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  
John Kantner
- 2008 Alex Barker  
Nelly Robles Garcia
- Daniel H. Sandweiss
- 2009 Phillip L. Walker
- 2010 75th Anniversary Task Force:  
Jeremy Sabloff  
James Snead  
Wendy Ashmore  
David Browman  
Don Fowler  
Lisa Lecount  
Linda Manzanilla  
Bruce Smith  
Fundraising Committee:  
William Doelle  
Susan Bender  
Cathy Cameron  
John E. Kelly  
Paul Minnis  
Linda Pierce  
Bruce Rippeteau  
Martha Rolingson  
Ken Sassaman
- 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  
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 Húyat: Our Voices our Land

## **AWARD FOR EXCELLENCE IN PUBLIC EDUCATION**

Began 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**

Began in 1983 to recognize the important contributions of a public figure to the protection and preservation of cultural resources. It is presented regardless of political affiliation to those who have taken a

lead or made a major contribution to preserving the past. The awardees have been:

- 1983 Sen. Spark M. Matasanaga  
Rep. Donald J. Pease
- 1984 Sen. James A. McClure
- 1985 Speaker James C. Wright Jr.
- 1986 Secretary of the Interior  
Donald P. Hodel
- 1987 Rep. John F. Seiberling
- 1988 Rep. Charles E. Bennett
- 1989 Sen. Peter V. Domenici
- 1990 Rep. Morris K. Udall
- 1991 Secretary of the Interior  
Manuel Lujan Jr.
- 1992 The Archaeological  
Conservancy
- 1993 Constance Werner Ramirez
- 1994 James Beck  
Deborah Daniels  
Jeffrey Kent  
Larry Mackey  
Scott Newman
- 1995 Grand Canyon Trust
- 1996 Rep. Bill Richardson
- 1997 Rep. Phil English
- 1998 Loretta F. Neumann
- 1999 Secretary of the Interior  
Bruce Babbitt
- 2000 Wayne Dance
- 2003 Rep. Leonard Boswell
- 2004 Paula Desio
- 2005 Sen. Jeff Bingaman
- 2008 Arc of Appalachia Preserve  
System, Archaeological  
Conservancy, Wilderness  
East, and the Ross County  
Parks Department
- 2015 Glenn Morgan  
Arlene Fleming  
Jonathan Renshaw  
Elsa Chang

- 2017 Abdel Kader Haidara  
Fatou Bensouda
- 2018 Supervisory Special Agent  
Timothy Carpenter and the  
FBI Art Crime Team

## **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 Bebbler & Mike  
Wilson
- 2019 Meagan E. Dennison
- 2020 Lori Barkwill Love

## Presidents of the SAA

A. C. Parker	1935–1936
Diamond Jeness	1936–1937
A.V. Kidder	1937–1938
Edgar B. Howard	1938–1939
Neil Judd	1939–1940
W. C. McKern	1940–1941
Glenn Black	1941–1942
Nels C. Nelson	1942–1943
Emil W. Haury	1943–1944
J. Alden Mason	1944–1945
Carl E. Guthe	1945–1946
Frederick Johnson	1946–1947
Douglas S. Byers	1947–1948
Waldo R. Wedel	1948–1949
J. O. Brew	1949–1950
Frank Roberts Jr.	1950–1951
James B. Griffin	1951–1952
Irving Rouse	1952–1953
Gordon F. Ekholm	1953–1954
Robert Wauchope	1954–1955
W. Duncan Strong	1955–1956
William A. Ritchie	1956–1957
George I. Quimby Jr.	1957–1958
Richard B. Woodbury	1958–1959
Jesse D. Jennings	1959–1960
Erik K. Reed	1960–1961
Junius Bird	1961–1962
David A. Baerreis	1962–1963
James A. Ford	1963–1964
Albert C. Spaulding	1964–1965
Paul S. Martin	1965–1966
Joe B. Wheat	1966–1967
Gordon R. Willey	1967–1968
H. Marie Wormington	1968–1969
Ignacio Bernal	1969–1970
Robert Lister	1970–1971
Richard S. MacNeish	1971–1972
Charles C. Di Peso	1972–1973
Douglas W. Schwartz	1973–1974
Charles R. McGimsey III	1974–1975
Stuart Struever	1975–1976

Raymond H. Thompson	1976–1977
Cynthia Irwin Williams	1977–1979
Fred Wendorf	1979–1981
Richard E. W. Adams	1981–1983
George C. Frison	1983–1985
Don Fowler	1985–1987
Dena Dincauze	1987–1989
Jeremy A. Sabloff	1989–1991
Prudence Rice	1991–1993
Bruce D. Smith	1993–1995
William D. Lipe	1995–1997
Vincas P. Steponaitis	1997–1999
Keith W. Kintigh	1999–2001
Robert L. Kelly	2001–2003
Lynne Sebastian	2003–2005
Kenneth M. Ames	2005–2007
Dean R. Snow	2007–2009
Margaret W. Conkey	2009–2011
W. Frederick Limp	2011–2013
Jeffrey H. Altschul	2013–2015
Diane Gifford-Gonzalez	2015–2017
Susan M. Chandler	2017–2019
Joe E. Watkins	2019–2021

## 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	<i>(Because of travel difficulties and other wartime restrictions, the 1943 Annual Meeting was conducted by mail by the Executive Committee, whose actions were approved at the next Annual Meeting.)</i>
9th	Washington, DC May 1944
10th	Washington, DC May 1945
11th	Indianapolis, IN May 1946
12th	Ann Arbor, MI May 1947

13th	Milwaukee, WI May 1948	56th	New Orleans, LA April 1991
14th	Bloomington, IN May 1949	57th	Pittsburgh, PA April 1992
15th	Norman, OK May 1950	58th	St. Louis, MO April 1993
16th	Evanston, IL May 1951	59th	Anaheim, CA April 1994
17th	Columbus, OH May 1952	60th	Minneapolis, MN May 1995
18th	Urbana, IL May 1953	61st	New Orleans, LA April 1996
19th	Albany, NY May 1954	62nd	Nashville, TN April 1997
20th	Bloomington, IN May 1955	63rd	Seattle, WA March 1998
21st	Lincoln, NE May 1956	64th	Chicago, IL March 1999
22nd	Madison, WI May 1957	65th	Philadelphia, PA April 2000
23rd	Norman, OK May 1958	66th	New Orleans, LA April 2001
24th	Salt Lake City, UT May 1959	67th	Denver, CO March 2002
25th	New Haven, CT May 1960	68th	Milwaukee, WI April 2003
26th	Columbus, OH May 1961	69th	Montreal, QC Mar-Apr 2004
27th	Tucson, AZ May 1962	70th	Salt Lake City, UT Mar-Apr 2005
28th	Boulder, CO May 1963	71st	San Juan, PR April 2006
29th	Chapel Hill, NC May 1964	72nd	Austin, TX April 2007
30th	Urbana, IL May 1965	73rd	Vancouver, BC March 2008
31st	Reno, NV May 1966	74th	Atlanta, GA April 2009
32nd	Ann Arbor, MI May 1967	75th	St. Louis, MO April 2010
33rd	Santa Fe, NM May 1968	76th	Sacramento, CA Mar-Apr 2011
34th	Milwaukee, WI May 1969	77th	Memphis, TN April 2012
35th	Mexico City, Mexico May 1970	78th	Honolulu, HI April 2013
36th	Norman, OK May 1971	79th	Austin, TX April 2014
37th	Bal Harbour, FL May 1972	80th	San Francisco, CA April 2015
38th	San Francisco, CA May 1973	81st	Orlando, FL April 2016
39th	Washington, DC May 1974	82nd	Vancouver, BC Mar-Apr 2017
40th	Dallas, TX May 1975	83rd	Washington, DC April 2018
41st	St. Louis, MO May 1976	84th	Albuquerque, NM April 2019
42nd	New Orleans, LA April 1977	85th	(Due to the COVID-19
43rd	Tucson, AZ May 1978		pandemic, the 2020 Annual Meeting
44th	Vancouver, Canada April 1979		scheduled for Austin, TX, was canceled
45th	Philadelphia, PA May 1980		and the Annual Business Meeting was
46th	San Diego, CA April May 1981		conducted by video and phone)
47th	Minneapolis, MN April 1982		
48th	Pittsburgh, PA April 1983		
49th	Portland, OR April 1984		
50th	Denver, CO May 1985		
51st	New Orleans, LA April 1986		
52nd	Toronto, ON May 1987		
53rd	Phoenix, AZ April 1988		
54th	Atlanta, GA April 1989		
55th	Las Vegas, NV April 1990		

## Exhibitor Directory

### **American Anthropological Association**

[www.americananthro.org](http://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.

### **Bloomsbury Academic**

[www.bloomsbury.com](http://www.bloomsbury.com)

Bloomsbury Academic serves our communities of students, scholars, educators, instructors, practitioners, and librarians with specialist content, subject expertise, educational materials, cutting-edge scholarship, digital library resources and open access services.

### **Bruker Nano Analytics**

[www.bruker.com](http://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.

**Bureau of Land Management**

[www.blm.gov/programs/culturalresources](http://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](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.

Visit our virtual stand to browse our latest publications. All the books we have on display are available for purchase at a 30% discount.

**Casemate Academic & Oxbow Books**

[www.casemateacademic.com](http://www.casemateacademic.com)

Casemate Academic is the leading distributor of archaeological publications in North America. Oxbow Books publishes books of archaeology, ancient history and medieval studies.

**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](http://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](http://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 your search.

### **Geophysical Survey Systems Inc.**

[www.geophysical.com](http://www.geophysical.com)

GSSI is the world leader in the development, manufacture, and sale of GPR equipment. Our cutting edge products are used all over the world to explore the subsurface of the earth. GSSI created the first commercial GPR system over 50 years ago and continues to provide the widest range and highest quality systems available today.

### **Human Relations Area Files (HRAF) at Yale University**

[www.hraf.yale.edu](http://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](http://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](http://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](http://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](http://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**

<https://sensysmagnetometer.com/>

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.

### **Society for Historical Archaeology**

[www.sha.org](http://www.sha.org)

The Society for Historical Archaeology [an educational not-for-profit organization] advocates for a global perspective in the study and protection of historical and underwater cultural resources by educating the public and policy makers and providing a valued resource for knowledge exchange, professional development, and the maintenance of high ethical standards.



## **Springer Nature**

[www.springernature.com](http://www.springernature.com)

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](http://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 TPOH 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://www.norton.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](http://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!

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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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