
PROGRAM



SAA
SOCIETY FOR AMERICAN ARCHAEOLOGY

SOCIETY FOR AMERICAN ARCHAEOLOGY

85th Annual Meeting

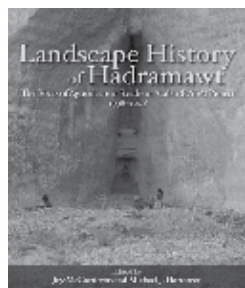
April 22–26, 2020 • Austin, TX





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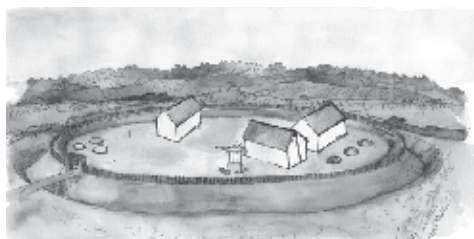
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Javier Fonseca Santa Cruz and Brian S. Bauer



The Archaeology of Political Organization

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PROGRAM OF THE 85TH ANNUAL MEETING

April 22–April 26, 2020*
Austin, TX



SOCIETY FOR AMERICAN ARCHAEOLOGY

* Due to COVID-19 outbreak, the SAA was forced to cancel this meeting

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

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Contents

4Meeting Safety Policy and Code of Conduct at SAA Events
9Information on Ombuds
10	.....Awards Presentation and Annual Business Meeting Agenda
11	.....2020 Award Recipients
17	.....Hotel and Convention Center Maps
23	.....Meeting Organizers, SAA Board of Directors, and SAA Staff
26	.....General Information
31	.....Featured Sessions
34	.....Summary Schedule
40	.....Information on Session Formats
41	.....About 2020 Meeting App
42	.....Program
190	.....SAA Awards, Scholarships, and Fellowships
202	.....Presidents of SAA
202	.....Annual Meeting Sites
204	.....Exhibit Hall Map
205	.....Exhibitor Directory
218	.....CRM Expo Directory
219	.....SAA Committees and Task Forces
226	.....Index of Participants

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.² 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, 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.

² 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 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/submissions/anti-harassment-policy>

To read about and meet the 2020 Ombuds, please go to **page 9**.

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”³) 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.

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

³ For the purposes of this Policy, “Subject Individual” refers to *anyone* against whom a report is being made, regardless of SAA membership status.

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/submissions/anti-harassment-policy>

Information on Ombuds

How to Contact the Ombuds

ombuds e-mail: saaombuds@gmail.com
ombuds phone: 512-766-6455

The ombuds will be available for face-to-face meetings at the Austin Convention Center, 3rd floor, Show Office 13 during the following hours:

Wednesday, April 22: 11:00 a.m.–8:30 p.m.

Thursday, April 23: 8:00 a.m.–10:00 p.m.

Friday, April 24: 8:00 a.m.–9:00 p.m.

Saturday, April 25: 8:00 a.m.–7:30 p.m.

Sunday, April 26: 8:00 a.m.–12:00 p.m.

Meet the 2020 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

Because the SAA had to cancel the Austin meeting as a result of the COVID-19 outbreak, the Board will convene a meeting of the Board in lieu of the Annual Business Meeting.

Presentation of Awards

The 2020 Awards Presentation will be on a Zoom recording.

Presidential Recognition Awards

Gene S. Stuart Award

Archaeology Week Poster Award

Student Poster Award

Student Paper Award

Ethics Bowl Trophy

Scholarships and Fellowships

Dissertation Award

Charles Stanish SAA Annual Meeting Travel Award (El Premio Anual Charles

Stanish para asistir a la Reunión Anual de la SAA)

H. and T. King Grant for Precolumbian Archaeology

Book Awards

Award for Excellence in Archaeological Analysis

Award for Excellence in Cultural Resource Management

Award for Excellence in Latin American and Caribbean Archaeology

Award for Excellence in Public Education

Crabtree Award

Fryxell Award for Interdisciplinary Research

Lifetime Achievement Award

2020 Award Recipients

Each SAA award recipient is selected by a dedicated and knowledgeable award committee—one for each award—made up of SAA member volunteers. Presidential Recognition Awards are bestowed by the SAA president to honor exemplary service to the Society. The Board of Directors wishes to thank the award committees for their hard work and excellent selections, and to encourage any members who have an interest in a particular award to volunteer to serve on a future committee.

PRESIDENTIAL RECOGNITION AWARD

Recipient: Paul Reed

We proudly present the Presidential Recognition Award to Paul Reed of Archaeology Southwest for his work in helping protect the Greater Chaco Area. During the last six years, Reed has been working to protect the Greater Chaco Landscape from the effects of expanded oil-gas development associated with fracking in the Mancos Shale formation to protect sites, traditional cultural places, and fragile landscapes in the greater San Juan Basin. Last year, Paul provided testimony on behalf of the SAA and other organizations at a field hearing on the impacts of oil and gas development in northwest New Mexico to the House Subcommittee on Energy and Mineral Resources.

PRESIDENTIAL RECOGNITION AWARD

Recipients: Jeff Altschul and Keith Kintigh

We proudly present this award to Jeff Altschul and Keith Kintigh of the Coalition for Archaeological Synthesis for their continued work in calling attention to the utility of archaeological data to help answer contemporary questions. Last year, Altschul and Kintigh convened a synthetic project on human migration impacts at the Amerind Foundation, gathering together individuals from a variety of backgrounds to look at ways that the archaeological record can provide answers to issues brought about by human migration.

PRESIDENTIAL RECOGNITION AWARD

Recipients: Kelley Hays-Gilpin and Meagan Thies-Sauder

We proudly present this award to Kelley Hays-Gilpin and Meagan Thies-Sauder for their work as co-chairs of the Task Force on Sexual and Anti-Harassment Policies and Procedures. Hays-Gilpin and Sauder assembled a group of hardworking volunteers and guided their efforts to review the SAA's previous policies on sexual and anti-harassment and to create SAAs Meeting Safety Policy and Code of Conduct at SAA meetings.

GENE S. STUART AWARD

Recipient: Lizzie Wade

Lizzie Wade has earned the SAA Gene S. Stewart Award for her excellence in journalism and her outstanding efforts to enhance public understanding of archaeology. Ms. Wade has written an interesting and responsible original story that appeared in Sciencemag.org in November 2019 entitled, "Unearthing the Reality of Slavery." This article sheds light on archaeological excavations in the Virgin Islands and how findings have led to new narratives surrounding enslaved Africans forced to migrate there in the eighteenth and nineteenth centuries. It is an important contribution to science communication of archaeology and social justice and it is with great honor that we present this award to Ms. Wade. This award is given in the memory of Gene S. Stewart (1930–1993), a writer and managing editor of National Geographic Society books.

DIENJE KENYON FELLOWSHIP**Recipient:** Christine A. Mikeska

Christine Mikeska is the recipient of this year's Dienje Kenyon Memorial Fellowship. Christine received her BA from Boston University and is currently pursuing her MA and PhD at the University of North Carolina. Hittite urban, religious, and state institutions are understood to be entangled with both domestic and wild fauna, without which these institutions and the individuals who maintain and depend on them would break down. In order to explore patterns of animal provisioning and herd management within various institutions at the Bronze Age Hittite Capital of Hattuša, zooarchaeological analysis of taxonomic composition demographic profiles, skeletal-part frequencies, and biometrics will be undertaken. In addition, strontium isotopic composition of domestic and wild animals will be compared to geological terranes across Anatolia in order to identify patterns of landscape use within animal husbandry, and provisioning decisions associated with both wild and exotic fauna.

FRED PLOG MEMORIAL FELLOWSHIP**Recipients:** Emily Kate and Christopher Schwartz

Emily Kate and Christopher Schwartz will share the Fred Plog Memorial Fellowship in support of their promising dissertation research. Ms. Kate's work uses isotope analysis to evaluate the presence of immigrants, and changes in the frequency of immigration over time, in Epiclassic settlements in Hidalgo. Her project both offers a case study in the interaction of diverse populations in a period of sociopolitical stress and evaluates long-held theories about the rise of Tula Grande as an expansionist state. Mr. Schwartz's research explores the significance of scarlet macaws at major regional centers in the U.S. Southwest and Northern Mexico, using isotope analysis to address the birds' origins and examining the relationship of macaws to other exotic and local objects in archaeological contexts. His work will shed light on the local ritual and political impacts of long-distance interaction.

PAUL GOLDBERG AWARD**Recipient:** Denay Grund

For her project reconstructing the geomorphic, hydrologic, and archaeological history of Painters Flat, California, toward elucidation of the Great Basin's Paleoindian record, we proudly present the 2020 Paul Goldberg Award for master's research in Earth science and archaeology to Denay Grund (University of Nevada-Reno).

DOUGLAS C. KELLOGG AWARD FOR GEOARCHAEOLOGICAL RESEARCH**Recipient:** A. J. White

For his project integrating fecal stanol analysis with traditional geoarchaeological paleoenvironmental analyses toward discerning the relationship between climate, human populations, and the origins of sedentism in the Epipaleolithic of eastern Jordan, we proudly present the 2020 Douglas Kellogg Fellowship for doctoral research in Earth science and archaeology to A. J. White (University of California-Berkeley).

SAA/INSTITUTE FOR FIELD RESEARCH UNDERGRADUATE STUDENT TRAVEL AWARDS**Recipients:** Iris Jacobs, Kathryn Kuennen, Laura Pott

DISSERTATION AWARD**Recipients:** Sara Oas and Saul Hedquist

Sarah Oas offers a rigorous investigation of transformations in cuisine and commensality during the late Puebloan periods of the American Southwest. These changes accompany a dramatic settlement reorganization, marked by aggregation and nucleation in the Cibola (Zuni) region. She artfully integrates a large body of diverse data to reconstruct interrelated foodways such as production, storage, preparation, cooking, consumption, and discard. Dr. Oas assesses paleoethnobotanical remains, faunal bone, ground stone tools, hearth and storage features, and ceramic attributes, employing innovative and emulation-worthy methodologies. Her work is further informed by a robust consideration of historical accounts of the 1800s and her fieldwork with Zuni cooks and farmers to garner contemporary, local perspectives on culinary traditions. The adoption of flatbreads, along with increasing importance of feasting, essential to maintaining large community cohesion, resulted in heavier household labor burdens on women. Dr. Oas reveals that social transformation was experienced differently by individual members of society. (Arizona State University)

Saul Hedquist addresses the complex entanglement of turquoise production, exchange, and meaning in the western Puebloan region, employing a broad array of methods. He traces the acquisition strategies of multiple sites using strontium and lead isotope analysis to identify turquoise sources. The dissertation offers a comprehensive classification of turquoise objects and stylistic and morphological attributes and a detailed contextual analysis of the spatial associations of turquoise. This work also analyzes related blue objects such as painted staffs, wands, disks, baskets, and animal bones. Dr. Hedquist determines how turquoise ownership or production reflected key aspects of social identity. He also reconstructs production (and reuse or recycling) trajectories, and his interviews of Hopi and Zuni cultural leaders, including artists and jewelers, aid his inferences about past turquoise production and meaning. This effort illustrates his inclusionary, multivocal approach to research, as well as his commitment to assist with tribal efforts of heritage preservation. (University of Arizona)

CHARLES STANISH SAA ANNUAL MEETING TRAVEL AWARD (EL PREMIO ANUAL CHARLES STANISH PARA ASISTIR A LA REUNIÓN ANUAL DE LA SAA)**Recipient:** Carlos Osos Mendives**H. AND T. KING GRANT FOR PRECOLUMBIAN ARCHAEOLOGY****Recipient:** Forthcoming**BOOK AWARD: SCHOLARLY****Recipient:** Christine A. Hastorf

The Social Archaeology of Food: Thinking about Eating from Prehistory to the Present

Food has emerged as a major topic for social scientists across all periods in human history to the present day. This richly detailed book presents a thought-provoking approach to an archaeology of food and social life, centered on five themes: materiality, social agency, the senses, economics, and taste. Christine Hastorf effectively utilizes the archaeological, ethnohistoric, and ethnographic record to illustrate how food was not merely economic—not just sustenance—but richly embedded in culture and society. The global comparative use of case studies of all things food, from production and material culture to consumption, taste, cuisines, power, and identity highlights the central role of the meal. This book's wide

ranging and well-integrated analyses and conceptual framework are useful and appealing to diverse scholars. As food is omnipresent, all archaeologists can find something to think about and apply to their own research.

BOOK AWARD: POPULAR

Recipient: Carl M. Davis

Six Hundred Generations: An Archaeological History of Montana

Carl Davis presents a fascinating journey through Montana's long human history by describing how Native Americans lived, evolved, and flourished in Montana for thousands of years. Using the site as a locus of interpretation and history, Davis takes us from the Pleistocene to the reservation era, in chronological order, by highlighting incredible finds that showcase the diversity of ancient lifeways. The text is accompanied by a rich array of photographs and numerous well-done artworks by illustrator Eric S. Carlson. Written for the nonspecialist to learn the stories of antiquity in the state, Davis deftly interweaves facts, theories, and methods that bring to life Montana's past. This solid introduction to the archaeology of Montana serves as a model publication for archaeologists who want to translate research-speak for the general public.

AWARD FOR EXCELLENCE IN ARCHAEOLOGICAL ANALYSIS

Recipient: Rafael Alejandro Pastrana Cruz

Rafael Alejandro Pastrana Cruz has earned the SAA's Excellence in Archaeological Analysis Award for his pioneering and enduring contributions to lithic studies in Mesoamerica. Dr. Pastrana's decades-long research program at the Sierra de Las Navajas (or "Pachuca") obsidian source has made it one of the best documented lithic quarries in the world. The research has involved the detailed mapping and excavation of obsidian flows, prehispanic and colonial period mines, and the campsites of miners and lithic craftspeople who worked at the site over its millennia of occupation. Pastrana's research methods involve experimental archaeology in conjunction with lithic specialists, students, and members of the local community who produce obsidian products for the tourist economy. He has also overseen research at other Mesoamerican quarries and on a broad range of Latin American lithic industries. Pastrana has guided multiple generations of students and fostered the continuation of experimentally based lithic studies in the Americas.

AWARD FOR EXCELLENCE IN CULTURAL RESOURCE MANAGEMENT

Recipient: J. Stephen Athens

Dr. Athens is the founder and general manager of International Archaeological Research Institute Inc. (IARII), a nonprofit corporation that has provided research, historic preservation, and compliance services to a variety of clients for over 30 years. He is also the senior manager and founder of International Archaeology (IA), an LLC owned by IARII and created in 2014 to better serve clients requiring compliance services. His work has focused on Pacific Islands paleoenvironments and archaeology. He has published over 50 international peer-reviewed book chapters and articles in the disciplines' most respected venues including *American Antiquity*, *Antiquity*, and *Current Anthropology*. Many of his publications are derived from cultural resource management projects and thus he has added significant research value to both public and private cultural resources. Dr. Athens' archaeological research and stewardship of archaeological and cultural resources ensures

that the invaluable archaeological record of the Pacific Islands will be available into the future.

AWARD FOR EXCELLENCE IN LATIN AMERICAN AND CARIBBEAN ARCHAEOLOGY

Recipient: Elizabeth (“Liz”) Graham

Dr. Elizabeth (“Liz”) Graham is an inspiring woman who works tirelessly to advance the field of Mesoamerican archaeology, and she is an individual for whom numerous people have great admiration. Liz has accomplished a great deal in her professional career as a Mesoamerican archaeologist, and she has done it with warmth, kindness, and generosity of spirit. Aside from her own impressive professional and intellectual achievements, she has mentored scores of individuals including students, avocational archaeologists, and tour guides, and she continuously shares her archaeological and cultural insights with members of the general public through a variety of public outreach approaches. For these reasons, her Award for Excellence in Latin American and Caribbean Archaeology is richly deserved.

AWARD FOR EXCELLENCE IN PUBLIC EDUCATION

Recipient: Heiltsuk First Nation

The Heiltsuk (Haítzaqv) First Nation is awarded the Award for Excellence in Public Education for its creation of an exceptional community-guided website: “Húyat: Our Voices our Land” (www.hauyat.ca). The project is exemplary as throughout the process of creating this website, the Heiltsuk had a central role in the management of their cultural heritage and dissemination of the information with others. They have produced a truly outstanding project that brings to life the archaeological, ethnoecological, and ethnographic data about the eco-cultural history of Húyat through compelling videos, photos, stories, and graphics. The website does a tremendous job of transporting the user to an important cultural landscape, making this remote location accessible for both the Heiltsuk community to (re)connect to their cultural heritage and as an educational tool for the general public.

CRABTREE AWARD

Recipient: Marilyn Markel

Marilyn Markel has a deep passion for archaeology and has spearheaded efforts in the Mimbres Valley, New Mexico, to preserve archaeological sites and educate young people of all ages on the value of the archaeological past. She has made significant contributions to our understanding and preservation of Mimbres sites in New Mexico, through over 20 years of volunteer work on university field school excavations, promotion of site protection through stewardship, transforming the local artifact-collecting community into an avocational/professional archaeological society, and educating schoolchildren about the value of archaeological heritage. Ms. Markel has assisted archaeological field schools, preserved sites, published children’s books on archaeology, and created a center devoted to the preservation and interpretation of Mimbres archaeology through educational outreach. Marilyn Markel is highly deserving of the Crabtree Award for her exemplary service to enhancing the preservation and public appreciation of New Mexico’s archaeological past.

THE FRYXELL AWARD FOR INTERDISCIPLINARY RESEARCH

Recipient: Debra Martin

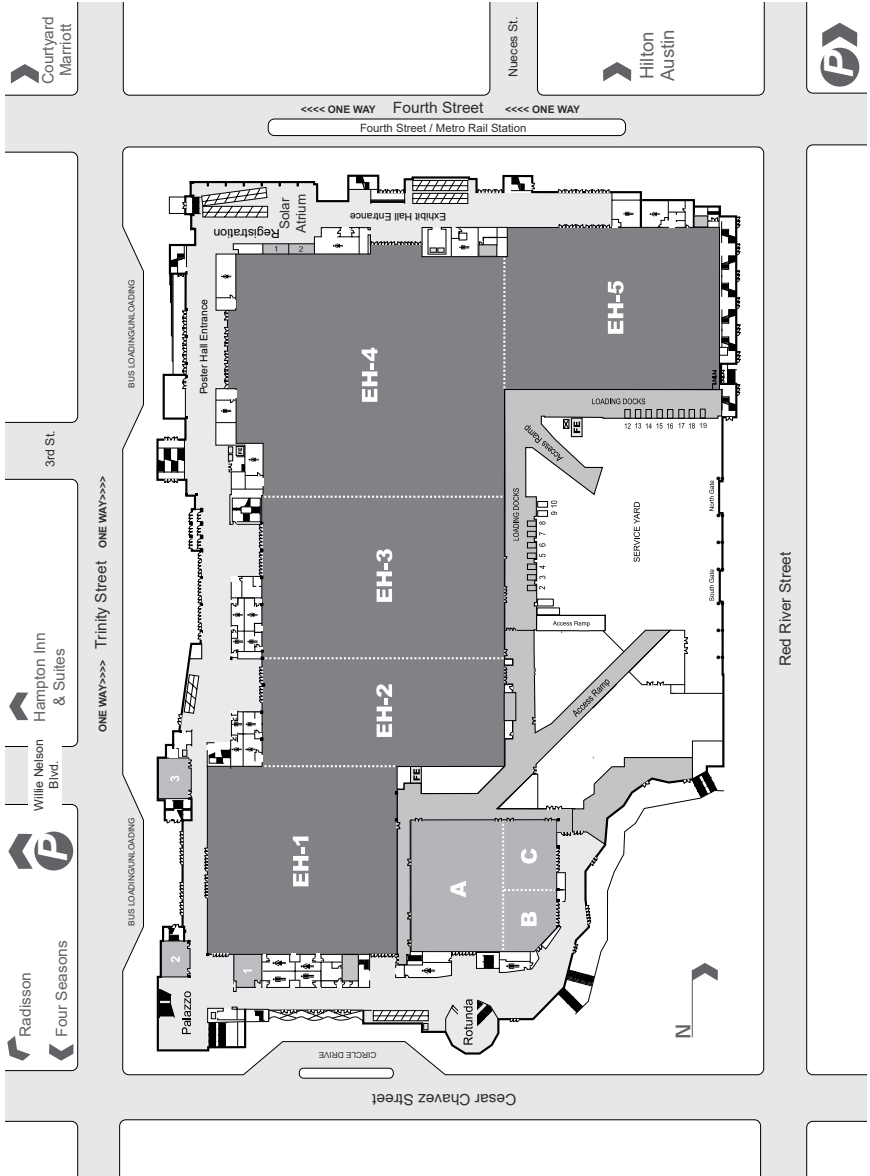
Debra Martin has earned the SAA’s Fryxell Award for Interdisciplinary Research for her scholarship and mentoring of a new generation of bioarchaeologists. Dr. Martin has

focused on topics such as violence and inequality, gender difference and paleopathology, and the bioarchaeology of human experience, especially with an emphasis on peoples living in challenging environments. She has accomplished this within a broader interdisciplinary perspective that easily meets the spirit of the Fryxell Award. Dr. Martin also has emphasized the importance of theory in her research and has tirelessly trained a broad range of students. She has published numerous important works, many in conjunction with her students, and these have added new perspectives on bioarchaeology within a broader cultural context. She has also played major service roles to the profession. Her career is a model for what it means to do interdisciplinary research.

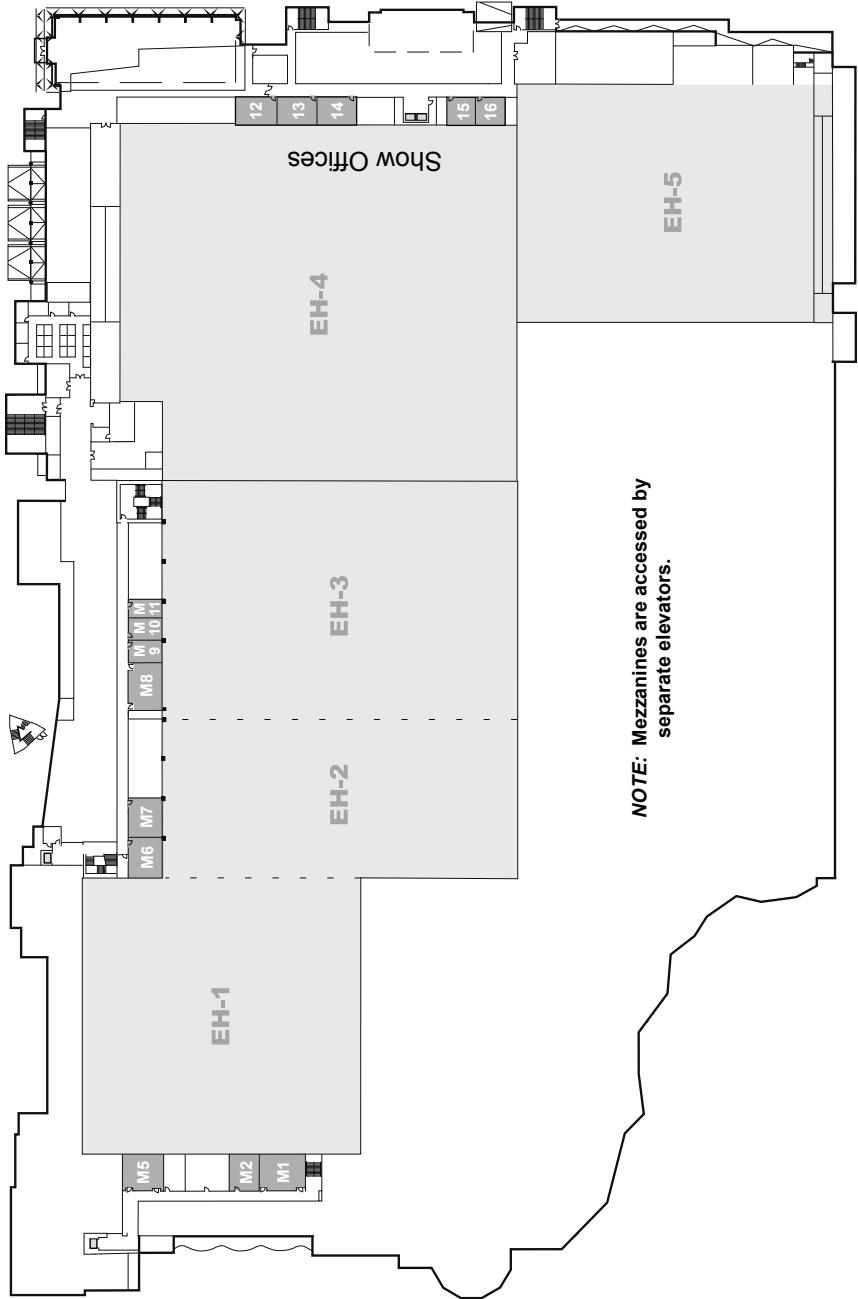
LIFETIME ACHIEVEMENT AWARD

Recipient: Larry J. Zimmerman

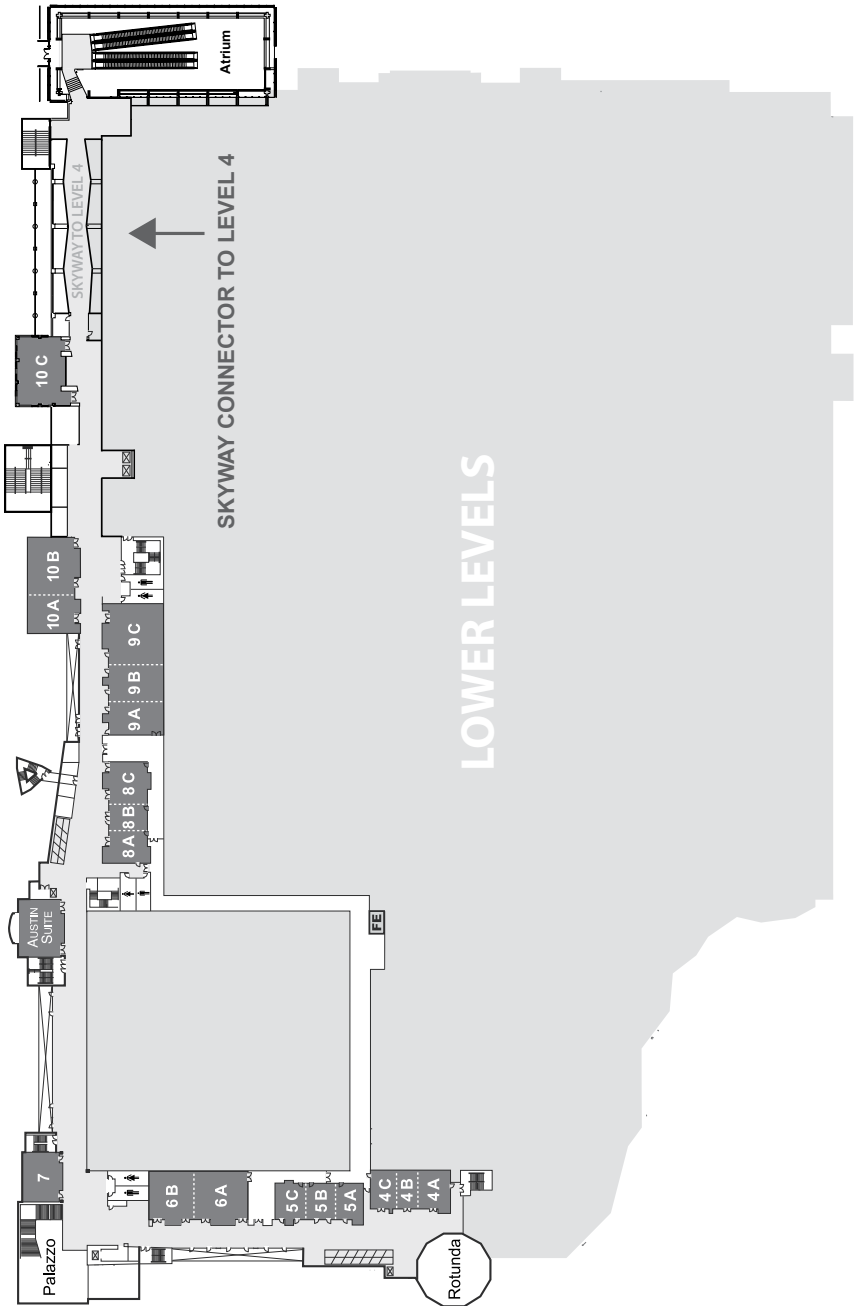
Larry J. Zimmerman has earned the SAA's Lifetime Achievement Award for his scholarship, prolific publications, teaching, service to the profession, leadership and advocacy for inclusivity, diversity, and equity in the field, and especially for his groundbreaking leadership in furthering the cause of Indigenous Archaeology. Over a nearly four-decade-long career, Dr. Zimmerman has been one of the most articulate, thoughtful, and influential advocates for indigenous archaeologists throughout the world, championing a radically new relationship between archaeologists and the peoples they study. That position embraces indigenous peoples as research partners and places their interests at the heart of archaeological scholarship. He also has been a pioneer in the archaeology of homelessness. He has been active leader in the WAC and the SAA, including his service on the Ethics Committee and the Committee on Public Policy, as well as playing a key role in establishing the Native American Scholarship Fund.



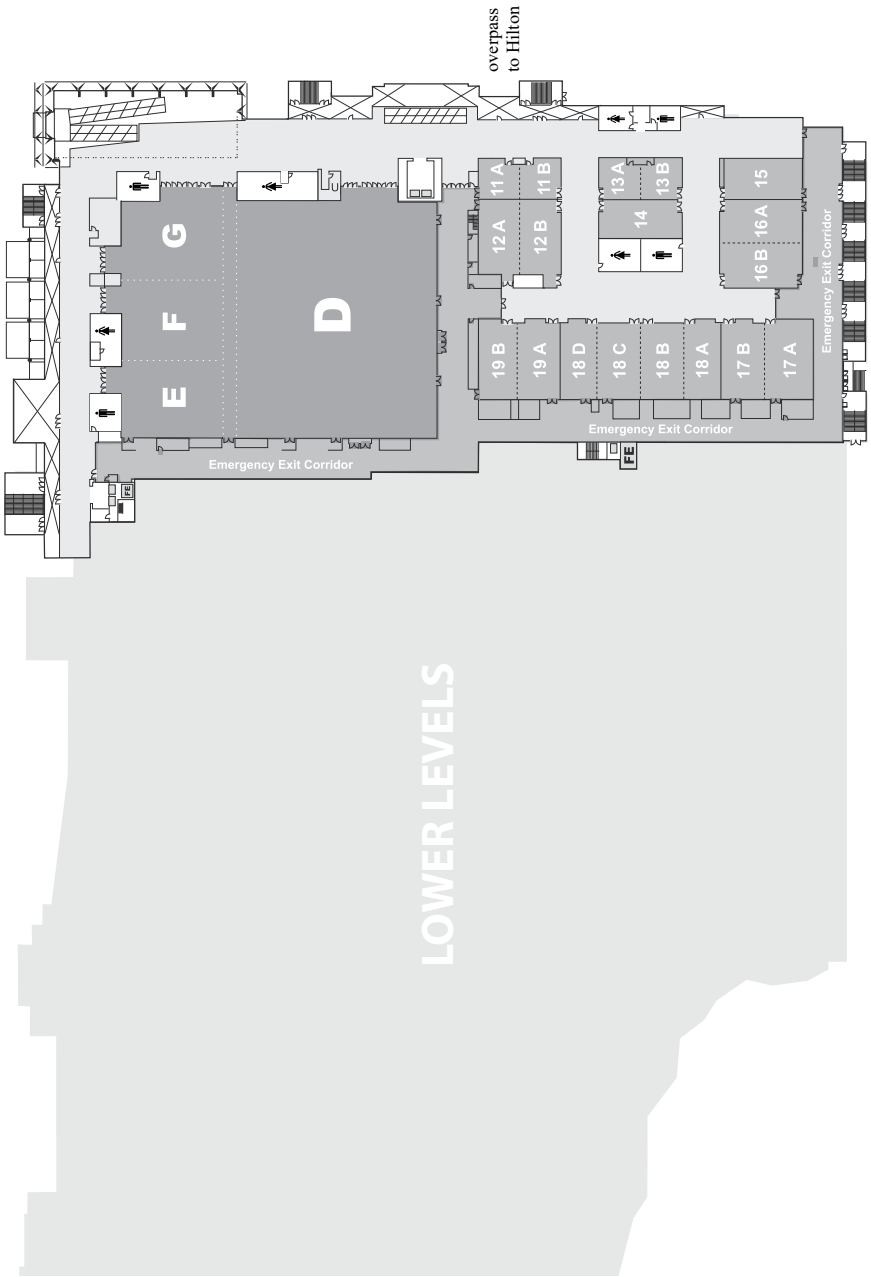
Austin Convention Center Level One



Austin Convention Center Level Two

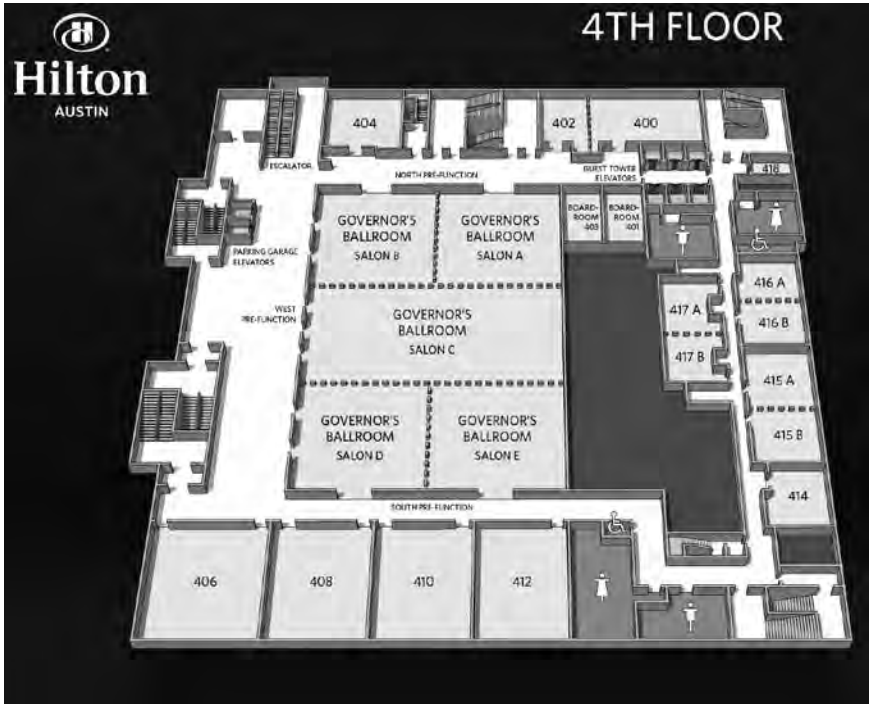


Austin Convention Center Level Three

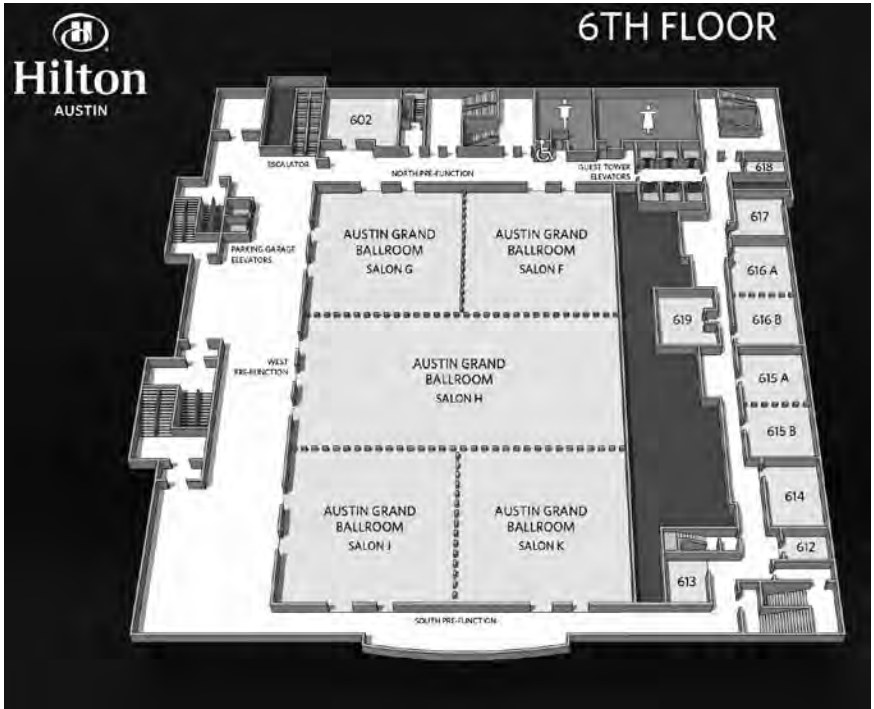


LOWER LEVELS

Austin Convention Center Level Four



Hilton Austin 4th Floor



Hilton Austin 4th Floor

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SWCA Environmental Consultants

Ken Lawrence, RPA
SWCA Environmental Consultants

Program Assistant

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Statistical Research Inc. and University
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Open Range Archaeology LLC

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Kathleen L. Hull, RPA
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William Timothy Whitehead, RPA
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Museum of Texas Tech University

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Manager, Information Services

SAA's 86TH ANNUAL MEETING IN 2021!

Plan now to attend the SAA 86th Annual Meeting in San Francisco, California, on April 14–18, 2021. Submissions guidelines for those who wish to submit papers, posters, or sessions for consideration can be found at www.saa.org/annual-meeting/submissions.

The submissions system for San Francisco, California, will open on May 1, 2020.

STUDENTS, JOIN US!
WEDNESDAY, APRIL 22, 9:00 P.M.–10:30 P.M., SALON D/E (H)

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

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

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



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www.cambridge.org



SOCIETY FOR AMERICAN ARCHAEOLOGY

General Information

MEETING ROOM LOCATIONS

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

(H) = Hilton Austin

(ACC) = Austin Convention Center

ABSTRACTS

The abstracts are available at <https://www.saa.org/annual-meeting/programs/abstract> and via the Annual Meeting Mobile App.

On-site, in the Solar Atrium (ACC) near registration, will be an **Abstract Viewing Center** where you will be able to reference the abstracts at your convenience through a group of computers provided for that purpose.

ALL-GENDER RESTROOMS

There will be restrooms marked "All-Gender" in both the Hilton Austin and the Austin Convention Center from April 22 through April 26. At the Hilton Austin there will be two All-Gender restrooms on the 4th floor and one on the 6th floor. At the Austin Convention Center there will be two restrooms available on the 4th floor.

ANNUAL BUSINESS MEETING AND AWARDS PRESENTATION

The Society's Annual Business Meeting and Awards Presentation will be held at 5:00 p.m. on Friday in Ballroom D (ACC). All meeting attendees are welcome. Student, joint, regular, and retired members who joined before March 19, 2020, are eligible to vote and to embody a quorum.

ANNUAL MEETING APP

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

BADGE USE

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

meeting events. Badge checkers will be monitoring access to all SAA meeting space. Thank you in advance for your cooperation.

COMPOST

There are compost bins available in the Exhibit Hall.

CONCESSIONS

Coffee, snacks, sandwiches, beer, and other beverages will be available in the Exhibit Hall in Exhibit Hall 4—4th St. Entrance (ACC) on Thursday through Saturday from 9:00 a.m. to 4:30 p.m.

A second concession stand will be available in ACC solar atrium during the following hours:

Wed 4/22, 2:00 p.m.–7:30 p.m.

Thurs 4/23, 7:30 a.m.–7:30 p.m.

Fri 4/24, 7:30 a.m.–4:30 p.m.

Sat 4/25, 7:30 a.m.–4:30 p.m.

Sun 4/26, 7:30 a.m.–11:30 a.m.

CULTURAL RESOURCE MANAGEMENT CAREER (CRM) EXPO

Sponsored by the American Cultural Resources Association (ACRA) and SAA, the CRM Expo will be held on Saturday, April 25 from 1:00 p.m. to 4:00 p.m. in Exhibit Hall in Exhibit Hall 4—4th St. Entrance (ACC). Representatives from CRM firms and programs will be available to chat informally and individually with Expo attendees about their organizations, career paths available, etc. A complete list of Expo exhibitors will be provided on page 218.

You do not need to be registered for the SAA Annual Meeting to attend the CRM Expo. *You may register at meeting registration for the Expo on April 25 from 12:00 p.m. to 3:30 p.m. that day at no charge.* The Expo is open to the public; the Expo registration will only admit you to the Expo.

EMERGENCY INFORMATION CARD

An Emergency Information Card is included on your badge and ticket sheet. Please fill out this card completely and tuck it behind your badge in your badge holder. Should this information be

required, it will then be readily accessible. Thank you.

EXCURSIONS

The excursions will depart from outside the Austin Convention Center at the Trinity St. Entrance (outside the Poster Hall Entrance). Please arrive no later than 15 minutes before the departure time to check in. The bus or tour will be leaving promptly at the time listed on the program and tickets. Please bring your signed waiver in order to participate.

EXHIBITS

The SAA Annual Meeting Exhibit Hall in Exhibit Hall 4—4th St. Entrance (ACC) provides an exciting array of products and services for you to review—you'll find technology, field equipment, publications, archaeological services, and more! All the tools and information you are looking for will be on display Thursday, April 23 through Saturday, April 25 from 9:00 a.m. to 5:00 p.m. Stop by SAA's booth (407) and check out our lounge while reviewing the latest titles from the SAA Press.

EXHIBIT HALL COMMITTEE TABLES

Committee on Curriculum Drop-In Sessions

Are you an SAA member who works for an academic organization in higher education? Have you been asked to help collect and report curriculum assessment data for your department or program? The SAA Committee on Curriculum is offering individual, drop-in consultations for colleagues working on curriculum-level assessment. Consulting Committee members have experience in curriculum-level assessment at a variety of types of institutions. Find us in the exhibit hall Thursday and Friday from 1:00 p.m. to 5:00 p.m.

Curation Doctor

Questions about getting collections into a repository? Wondering about the proper way to label, pack, or care for artifacts and associated records? Maybe you're a student who's looking for information about collections care? Bring your collections conundrums, questions, and concerns to the Curation Doctor! Trained collections specialists from SAA's Committee on Museums,

Collections, and Curation will offer advice and answer your questions at the back of the Exhibit Hall from 9:00 a.m. to 3:00 p.m. on Thursday and Friday. The curation doctor is in! Get a collections checkup!

Revising SAA Ethics: Provide Feedback in Person

The Ethics Revision Task Force II recently sent out a survey to get feedback from membership on a range of topics. Task Force members will be available to share preliminary results of the survey and are eager to hear your thoughts on how we can improve existing principles and move toward a living document that can be more responsive to challenges as they arise. Multiple task force members will be available for small discussions from 9:00 a.m. to 3:00 p.m. on Thursday and Friday at the tables at the back of the Exhibit Hall, and we encourage you to attend our sponsored forum on Thursday from 6:00 p.m. to 8:00 p.m. Please stop by!

GUEST BADGES

Guest Badges are intended for **immediate family members** who are **non-archaeologists** and who need access to the meeting venue as guests of meeting registrants. Immediate family includes spouse/partner, parents, and children. Friends, colleagues, and other relatives are **not** eligible for guest badges. The registrant must purchase a guest badge that the guest must display at the meeting venues. Guest badges simply provide access to the meeting venue. Guests are not "meeting attendees." **If a guest badge is to be purchased on-site, the meeting registrant must accompany the guest to registration.** Accompanied children 12 years of age or under are not required to display a guest badge. Unaccompanied children may not attend the Annual Meeting.

MEETING SAFETY VOLUNTEERS

It is our ultimate goal to create a safe and inclusive space for attendees at the 2020 Annual Meeting in Austin. Following the recommendations of the Task Force on Sexual and Anti-Harassment Policies and Procedures,

the Meeting Safety Committee was approved by the SAA Board in October 2019. As part of its work, the Meeting Safety Committee will provide a Safety Volunteer Program at the Austin meeting. Further information about services provided and safety volunteer identification and contacts will be made available on the SAA's website (<https://www.saa.org/annual-meeting/safety-committee>), in the on-site update, and we will use the hashtags #SAAsafe and #SAA20safe. The Meeting Safety Committee can be contacted at saasafemeeting@gmail.com.

NEW MEMBER AND FIRST-TIME ATTENDEE MEETING ORIENTATION

Come and get the scoop on how to navigate the Annual Meeting from **5:30 p.m. to 6:00 p.m.** in Meeting Room 11AB (ACC) on Wednesday, April 22. Ask questions to get prepared and to take full advantage of your time at the meeting. The Opening Session/President's Forum kicks off the meeting immediately after. We would like to welcome you to Austin at this brief but information-packed session! The orientation will be run by SAA's staff archaeologist and manager, Education and Outreach, Elizabeth Pruitt.

OFFICE

From Wednesday, April 22 through Sunday, April 26 at 12:00 p.m., the SAA Staff office will be located at the Hilton Austin in 613 (H). Please note that SAA staff will not be available on Monday or Tuesday to distribute advance registration materials.

OMBUDS

The ombuds will be available for face-to-face meetings at Austin Convention Center, 3rd floor, Show Office 13. For more information on the ombuds, please visit page 9.

You can contact them using the following information:

e-mail: saasafemeeting@gmail.com
phone: 512-766-6455

OPENING SESSION/PRESIDENT'S FORUM

The Opening Session/President's Forum, "What Is at Stake? The Impacts of Inequity and Harassment on the

Practice of Archaeology," will be held on Wednesday, April 22, in Ballroom D (ACC) at **6:30 p.m.**

POSTER SESSIONS

Poster sessions will be conducted in Exhibit Hall 4—Trinity St. Entrance (ACC) beginning on Thursday, April 23. Each poster session runs for two hours and contains a wide array of research. Authors and space assignments are listed in the program and Meeting App. Please check the program or app for the poster session schedule.

POSTERS AFTER HOURS!

SAA will host the third annual Posters After Hours session on Thursday, April 23 from **5:00 p.m. to 7:00 p.m.** in Exhibit Hall 4—Trinity St. Entrance (ACC). This session will feature **100** posters. With a relaxed atmosphere and a cash bar, this session serves as the perfect venue to connect with colleagues and discuss current research.

PUBLIC ARCHAEOLOGY DAY

The SAA will host Austin Public Archaeology Day from **11:00 a.m. to 4:00 p.m.** in Exhibit Hall 4—Trinity St. Entrance. The public, families, and archaeologists are invited to explore Texas history through hands-on activities, educational materials, and talks from local archaeologists and SAA members at this event. Talk to archaeologists about their work while picking up posters, stickers, and fun educational resources. **This event is free and open to the public.**

QUIET ROOM

There will be a quiet room available in Show Office 14 (ACC) from 8:00 a.m. to 5:00 p.m. Thursday through Saturday and from 8:00 a.m. to 11:45 a.m. on Sunday. Feel free to use this room to prepare for your presentation, read in-between sessions, or enjoy a few minutes of quiet during the meeting. Please be courteous to others and avoid using the room for conversations, job interviews, etc.

REGISTRATION

Registration is located in the Solar Atrium (ACC) from Wednesday–

Sunday. Registration hours:
 Wednesday, 2:00 p.m.–8:00 p.m.;
 Thursday, 7:00 a.m.–8:00 p.m.; Friday,
 7:00 a.m.–4:00 p.m.; Saturday, 7:00
 a.m.–4:00 p.m.; Sunday, 7:00 a.m.–8:00
 a.m. Individuals who registered by
 March 19, 2020, can pick up their
 registration materials at the Advance
 Registration counters. Individuals who
 have not registered in advance should
 report to the On-site Registration desk.
 On-site registrants are required to
 present photo identification in order to
 pick up registration materials.

A badge is required for admission to meeting sessions, workshops, excursions, and exhibits. A \$5 fee will be charged to replace a badge or program book.

SAFE INSTITUTE

The SAFE Institute is the professional services division of SAFE, a nationally recognized Central Texas nonprofit that has been working to stop abuse and build healthy environments for over 45 years. Built on the needs of our community, SAFE Institute facilitates conversations on sexual harassment prevention, intervention, and response to cultivate safer and more inclusive spaces. Visit our table near the registration desk or register for one of our workshops about improving climate to create a more diverse and inclusive future for archaeology.

Confidential 24-hour SAFEline:

- **Call:** 512-267-SAFE (7233)
- **Text:** 737-888-7233
- **Chat:** safeaustin.org/chat
- For Deaf people of all identities, please use relay/VRS

SESSION CHAIRS

Please maintain the established schedule in fairness to persons planning to attend specific presentations; please pause for the period allotted in the program if a scheduled speaker fails to appear; you can review the On-site Update for any late withdrawals in your session. **It is very important that all session chairs end sessions at their scheduled times.** Rooms are reused for multiple sessions.

Please make sure pointers and other materials provided by AV or the SAA remain in designated session room.

SILENT AUCTION

Visit the Native American Scholarships (NAS) Silent Auction Booth 723 in the Exhibit Hall, Exhibit Hall 4—4th St. Entrance (ACC), and support the Arthur C. Parker Scholarship. The bidding ends Friday at 5:00 p.m. Alternately, the NAS booth is offering the option to forgo the bidding and buy the item at the suggested “Buy It Now!” price.

SMOKING AND STRONG SCENTS

Smoking is prohibited. SAA also requests participants be aware of the effects of strong synthetic fragrances or chemicals. If possible, please refrain from using perfume, cologne, or other heavily scented products when attending conference events to help make these proceedings accessible to all participants, including those for whom these products pose health risks.

SOCIAL MEDIA

Continue the symposiums and lectures online using the hashtags #SAA2020, #AustinSAA, and #SAASudents.

SPEAKER READY ROOM

For presenters who wish to check a presentation, LCD projectors and screens will be available in the Speaker Ready Room in Show Office 12 (ACC). The Speaker Ready Room will be open on Wednesday from 2:00 p.m. to 8:00 p.m., on Thursday from 7:00 a.m. to 9:00 p.m., on Friday and Saturday from 7:00 a.m. to 6:00 p.m., and on Sunday from 7:00 a.m. to 11:45 a.m.

SUGGESTED STATEMENT OF TRIBAL RECOGNITION

Some people may have their own statement they would like to present and other may elect not to read any statement. In case any SAA meeting attendees would like to open their session or event with a recognition of tribal land, we include the following language courtesy of the Smithsonian's American Museum of the American Indian:

(H) = Hilton Austin (ACC) = Austin Convention Center

"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."

STUDENT WELCOME RECEPTION—ALL STUDENT ATTENDEES

All student attendees are invited to attend a reception hosted by Cambridge University Press and SAA's Board of Directors. From **9:00 p.m. to 10:30 p.m.** on Wednesday, April 22 in Salon D/E (H), meet SAA leadership, network with colleagues, have some great food, and learn more about SAA! Don't forget to pre-register for this event to get a drink ticket in your packet!

WOMEN'S NETWORKING RECEPTION

The Women in Archaeology Interest Group (WAIG) and the Committee on the Status of Women in Archaeology (COSWA) invite you to attend their annual Women's Networking Reception. Come meet the COSWA board and mingle with fellow students and colleagues! New for this year, the reception will also include volunteer mentors available to listen to concerns and provide informal career advice.

The reception will be held from 5:30 p.m. to 7:00 p.m.; the WAIG Business Meeting will follow from 7:00 p.m. to 7:30 p.m.

YOGA

Join us for free yoga on Thursday, Friday and Saturday from 12:10 p.m. to 12:50 p.m. in room 614 (H).

Wi-Fi

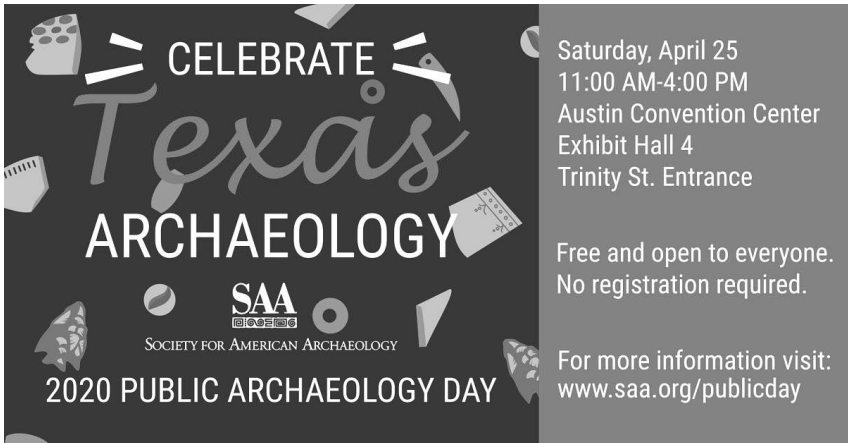
Attendees will have access to Wi-Fi while they are in the meeting space at the Austin Convention Center and the Hilton Austin. **We advise participants to make sure that their presentations are accessible off-line.** The Wi-Fi connection can be unreliable and will not be strong enough to stream videos or run a session or a presentation.

Austin Convention Center

The username for ACC Wi-Fi is **Austin Convention Center** and there is no password required.

Hilton Austin

Username: Hilton Meetings
Password: SAA2020



CELEBRATE
Texas
ARCHAEOLOGY

SAA
SOCIETY FOR AMERICAN ARCHAEOLOGY

2020 PUBLIC ARCHAEOLOGY DAY

Saturday, April 25
11:00 AM-4:00 PM
Austin Convention Center
Exhibit Hall 4
Trinity St. Entrance

Free and open to everyone.
No registration required.

For more information visit:
www.saa.org/publicday

Featured Sessions

Opening Session/President's Forum

Title: What Is at Stake? The Impacts of Inequity and Harassment on the Practice of Archaeology

Organizer: Amber VanDerwarker and Maureen Meyers

Date: Wednesday, April 22

Time: 6:30 p.m.–8:30 p.m.

Location: Ballroom D (ACC)

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.

SAA President-Sponsored Session Featured Forum

Title: Ethics Should Concern Everyone: Soliciting Membership Feedback on

Updating the Principles of Archaeological Ethics

Organizer: Ethics Revision Task Force II

Date: Thursday, April 23

Time: 6:00 p.m.–8:00 p.m.

Location: Ballroom E (ACC)

Abstract: The second SAA Ethics Revisions Task Force is charged with collecting input and feedback from SAA membership and stakeholder groups on existing ethical principles. This forum will provide a preliminary update on results from the 2019 membership survey and also solicit more member feedback on the SAA Principles of Archaeological Ethics. Organizers will present a brief overview of available survey results and then ask the audience to participate with their ideas, questions, and concerns. Discourse from this forum will be documented and included in the task force report used to guide revisions to the Ethical Principles.

Ethics Bowl

Date: Thursday, April 23

Time: 1:00 p.m.–3:00 p.m.

Location: Room 406 (H)

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

Ethics Bowl Discussion Forum

Title: Archaeological Ethics in the Past, Present, and Future: Lessons from the SAA Ethics Bowl

Organizers: Katherine L. Chiou, Patricia G. Markert, and Daniel M. Perez

Time: 3:00 p.m.–4:00 p.m.

Location: 406 (H)

Abstract: This year, the SAA Committee on Ethics, the Register of Professional Archaeologists, and the Task Force on the Revisions of the SAA Principles of Archaeological Ethics II invite practicing and professional archaeologists to take part in the discussion. Join us after the final round of the 2020 Ethics Bowl for a forum led by former contestants, judges, and supporters to discuss lessons learned from the SAA Ethics Bowl through the

years. The forum will be a conversation during which archaeologists of all sectors can confer on past, current, and future trends in the ethics of our discipline. We will address the challenges of navigating ethics in practice as well as ideas about what role our core ethical principles may play in today's changing world. It will also be an opportunity to celebrate the outstanding achievements of the student teams.

Posters After Hours

Date: Thursday, April 11, 2019

Time: 5:00 p.m.–7:00 p.m.

Location: Exhibit Hall 4—Trinity St. Entrance (ACC)

This session will feature 100 posters. With a relaxed atmosphere and a cash bar, this session serves as the perfect venue to connect with colleagues and discuss current research.

Late Addition!

Title: Agents of Change: Creating Space for Building a Safe Community

Organizer: Intersectionality Task Force

Date: Thursday April 23

Time: 7:30 p.m.–10:30 p.m.

Location: Salon D (H)

Abstract Events from this past year remind us that the long-standing historical problems within our discipline remain present. The Albuquerque meeting drew an undeniable level of attention to these issues and created disruption that must be attended to, even by those intent on maintaining the status quo, the same people who have benefited from oppressive structures. As members of the SAA, willing to engage directly, we have new opportunities to contribute to the healing of a discipline along with other professional organizations and individuals.

Since 2016, SAA members (e.g., Thies and Jones 2016; Thakar and DeLeon 2019) have facilitated organized sessions around #MeToo, sexual

harassment, assault, and interpersonal/interprofessional violence. This work recognizes a general lack of belonging and safety for nondominant identities within our professional organization (e.g., LGBTQI2S, members of color, Native members, etc.). This session centers voices of those who have experienced and/or been impacted within, and by, our shared discipline. We seek a way to move through and forward by creating community through conversation, sharing, and mutual care as a way to transform our discipline into an inclusive and equitable science in all its applications, from consulting to classroom, field to lab, collaboration to conferences.

We invite members of our SAA community to participate in healing conversations and mutual care so that we contribute to a better future for our discipline. Join us in supporting each other in solidarity and allyship, listening to stories from our members, and maybe sharing your own stories that unsettle or challenge the historical narratives and practices that continue to haunt us.

Stories can include artistic production, speaking, or readings that speak radical truth and resistance to marginalization and violence. How can we use our intersectional voices and identities to affect change? We look to build community and healing while recognizing and creating moments of personal and interdisciplinary transformation in the spaces of archaeology.

Follow-up Event

Title: Restorative Circle

Date: Friday

Time: 8:00 a.m.–10:00 a.m.

Location: Room 404 (H)

Coffee, tea, and water available

CELEBRATE ARCHAEOLOGY BY USING YOUR BALLOT!

As in the past, your registration materials include a ballot for the Archaeology Week/Month Poster Contest. In the Exhibit Hall, Hall 4—4th St. Entrance (ACC), these colorful advertisements for archaeology will be displayed, beginning on Thursday morning. Use your ballot to vote for the one you like best. The balloting will close at 11:00 a.m. on Friday, and the winners will be honored at the Annual Business Meeting and Awards Celebration at 5:00 p.m. on Friday in Ballroom D (ACC). The poster contest is cosponsored by SAA's Public Education Committee and the Council of Allied Societies.

MEETING SERVICES: HOURS OF OPERATION

	Wednesday	Thursday	Friday	Saturday	Sunday
Abstract Viewing Center	2:00 p.m.–8:00 p.m. <i>Solar Atrium (ACC)</i>	7:00 a.m.–10:00 p.m. <i>Solar Atrium (ACC)</i>	7:00 a.m.–4:00 p.m. <i>Solar Atrium (ACC)</i>	7:00 a.m.–5:00 p.m. <i>Solar Atrium (ACC)</i>	7:00 a.m.–11:00 a.m. <i>Solar Atrium (ACC)</i>
Registration	2:00 p.m.–8:00 p.m. <i>Solar Atrium (ACC)</i>	7:00 a.m.–8:00 p.m. <i>Solar Atrium (ACC)</i>	7:00 a.m.–4:00 p.m. <i>Solar Atrium (ACC)</i>	7:00 a.m.–4:00 p.m. <i>Solar Atrium (ACC)</i>	7:00 a.m.–8:00 a.m. <i>Solar Atrium (ACC)</i>
Speaker Ready Room	2:00 p.m.–8:00 p.m. <i>Show Office 12 (ACC)</i>	7:00 a.m.–9:00 p.m. <i>Show Office 12 (ACC)</i>	7:00 a.m.–6:00 p.m. <i>Show Office 12 (ACC)</i>	7:00 a.m.–6:00 p.m. <i>Show Office 12 (ACC)</i>	7:00 a.m.–11:45 a.m. <i>Show Office 12 (ACC)</i>
Ombuds Available	11:00 a.m.–8:30 p.m.	8:00 a.m.–10:00 p.m.	8:00 a.m.–9:00 p.m.	8:00 a.m.–7:30 p.m.	8:00 a.m.–12:00 p.m.
Exhibits		9:00 a.m.–5:00 p.m. <i>Hall 4—4th St. Entrance (ACC)</i> <i>Concessions available from 7:45 a.m.–4:30 p.m.</i>	9:00 a.m.–5:00 p.m. <i>Hall 4—4th St. Entrance (ACC)</i> <i>Concessions available from 7:45 a.m.–4:30 p.m.</i>	9:00 a.m.–5:00 p.m. <i>Hall 4—4th S. Entrance (ACC)</i> <i>Concessions available from 7:45am–4:30 p.m.</i>	
CRM EXPO				1:00 p.m.–4:00 p.m. <i>Hall 4 (ACC)</i>	
Public Archaeology Day				11:00 a.m.–4:00 p.m. <i>Hall 4—Trinity St. Entrance (ACC)</i>	

Summary Schedule

Monday, April 20

8:00 a.m.–5:00 p.m.

Room 414 (H)

U.S. Forest Service National Heritage Program Meeting

Tuesday, April 21

8:00 a.m.–5:00 p.m.

Room 414 (H)

U.S. Forest Service National Heritage Program Meeting (con't)

8:30 a.m.–4:30 p.m.

Salon E (H)

Association of Transportation Archaeologists 35th Annual Meeting

Wednesday, April 22

2:00 p.m.–8:00 p.m.

Solar Atrium (ACC)

Meeting Registration

8:00 a.m.–3:00 p.m.

Room 400 (H)

SAA Board of Directors Meeting

8:00 a.m.–5:00 p.m.

Room 418 (H)

HAIG Archiving the Archaeologist Interviews

8:00 a.m.–5:00 p.m.

Room 414 (H)

U.S. Forest Service National Heritage Program Meeting (con't)

8:00 a.m.–5:00 p.m.

Trinity St. Entrance (ACC)

Excursion: Geoarchaeology and Paleocology of the Deeply Stratified Richard Beene Site

8:30 a.m.–4:30 p.m.

Salon A (H)

Association of Transportation Archaeologists 35th Annual Meeting (con't)

9:00 a.m.–12:00 p.m.

Room 416AB (H)

Project Archaeology Annual Meeting

9:00 a.m.–4:00 p.m.

Room 417A (H)

National Park Service Archeologists Meeting

11:00 a.m.–2:00 p.m.

Room 415A (H)

Workshop: Repatriation Workshop

12:00 p.m.–2:00 p.m.

Room 417B (H)

Meeting of the Committee on Annual Meeting Safety

12:30 p.m.–2:30 p.m.

Room 619 (H)

Workshop: A Gentle Introduction to Bayesian Statistics for Archaeologists

1:00 p.m.–5:00 p.m.

Room 402 (H)

Annual Meeting of the National Association of State Archaeologists (NASA)

3:00 p.m.–5:00 p.m.

Room 417B (H)

Meeting of the Task Force on the Review of the SAA Principles of Archaeological Ethics: Stage 2

3:30 p.m.–5:00 p.m.

Ballroom D (ACC)

Workshop: Culture Shifts: Workshop on How to Improve Climate

4:00 p.m.–7:00 p.m.

Room 400 (H)

ACRA Board Meeting

5:30 p.m.–6:00 p.m.

Meeting Room 11AB (ACC)

First Time Attendees and New Member Meeting Orientation

6:30 p.m.–8:30 p.m. <i>Ballroom D (ACC)</i> Opening Session/President's Forum	Exhibit Hall 12:00 p.m.–1:00 p.m. <i>Salon D/E (H)</i> Open Town Hall with the SAA Board
9:00 p.m.–10:30 p.m. <i>Salon D/E (H)</i> Student Welcome Reception	12:00 p.m.–1:00 p.m. <i>Room 416AB (H)</i> Heritage Values Interest Group Meeting
Thursday, April 23	
7:00 a.m.–8:00 p.m. Solar Atrium (ACC) Meeting Registration	12:00 p.m.–1:00 p.m. <i>Room 417A (H)</i> Queer Archaeology Interest Group Meeting
7:30 a.m.–12:00 p.m. <i>Room 415A (H)</i> Ethics Bowl Preliminary Rounds	12:10 p.m.–12:50 p.m. <i>Room 614 (H)</i> Yoga
7:30 a.m.–12:00 p.m. <i>Room 415B (H)</i> Ethics Bowl Preliminary Rounds	1:00 p.m.–3:00 p.m. <i>Room 406 (H)</i> Ethics Bowl
8:00 a.m.–10:00 a.m. <i>Room 414 (H)</i> Council of Councils Meeting	1:00 p.m.–5:00 p.m. <i>H and ACC</i> Sessions
8:00 a.m.–10:30 a.m. <i>Room 619 (H)</i> <i>Workshop:</i> Integrating Unmanned Aerial System ("Drone") Sensors into your Archaeological Project	3:00 p.m.–4:00 p.m. <i>Room 406 (H)</i> Ethics Bowl Discussion Forum
8:00 a.m.–12:00 p.m. <i>H and ACC</i> Sessions	3:00 p.m.–5:00 p.m. <i>Room 417B (H)</i> Media Relations Committee Meeting
8:00 a.m.–6:00 p.m. <i>Room 418 (H)</i> HAIG Archiving the Archaeologist Interviews	2:00 p.m.–4:00 p.m. <i>Room 400 (H)</i> <i>Latin American Antiquity</i> Editorial Board Meeting
8:30 a.m.–1:00 p.m. <i>Trinity St. Entrance (ACC)</i> <i>Excursion:</i> The Archaeological Origins of Texas	2:30 p.m.–3:30 p.m. <i>Presidents Suite (H)</i> Fundraising Committee Meeting
8:30 a.m.–1:00 p.m. <i>Trinity St. Entrance (ACC)</i> <i>Excursion:</i> Collections Tour: Fiber/Perishables at the Texas Archeological Research Laboratory	4:00 p.m.–5:30 p.m. <i>Room 414 (H)</i> Council of Allied Societies Annual Business Meeting
9:00 a.m.–5:00 p.m. <i>Exhibit Hall 4–4th St. Entrance (ACC)</i>	4:00 p.m.–6:00 p.m. <i>Salon C (H)</i> Amity Pueblo MOA Compliance Task Force Meeting

- 4:00 p.m.–6:00 p.m.
Salon C (H)
Book Awards Committee Meeting
- 4:00 p.m.–6:00 p.m.
Salon C (H)
Committee on Curriculum Meeting
- 4:00 p.m.–6:00 p.m.
Salon C (H)
Committee on Ethics Meeting
- 4:00 p.m.–6:00 p.m.
Salon C (H)
Committee on Museums, Collections,
and Curation Meeting
- 4:00 p.m.–6:00 p.m.
Salon C (H)
Committee on the Status of Women in
Archaeology Meeting
- 4:00 p.m.–6:00 p.m.
Salon C (H)
Fred Plog Memorial Fellowship
Committee Meeting
- 4:00 p.m.–6:00 p.m.
Salon C (H)
Government Affairs Committee Meeting
- 4:00 p.m.–6:00 p.m.
Salon C (H)
Investment Committee Meeting
- 4:00 p.m.–6:00 p.m.
Salon C (H)
Minority Scholarships Committee
Meeting
- 4:00 p.m.–6:00 p.m.
Salon C (H)
Native American Scholarships
Committee Meeting
- 4:00 p.m.–6:00 p.m.
Salon C (H)
Public Education Committee Meeting
- 4:30 p.m.–6:00 p.m.
Room 416AB (H)
Forensic Archaeology Recovery (FAR)
Annual Meeting
- 5:00 p.m.–7:00 p.m.
Exhibit Hall 4–Trinity St. Entrance (ACC)
Posters After Hours
- 5:00 p.m.–7:00 p.m.
Salon D (H)
Archaeology Division of the AAA
Reception
- 6:00 p.m.–10:00 p.m.
H and ACC
Sessions
- 5:30 p.m.–7:00 p.m.
Room 404 (H)
Women's Networking Reception
- 7:00 p.m.–7:30 p.m.
Room 404 (H)
Women in Archaeology Interest Group
Business Meeting
- 7:30 p.m.–9:00 p.m.
Room 414 (H)
Student Affairs Committee Meeting
- 7:30 p.m.–10:30 p.m.
Salon D (H)
Agents of Change: Creating Space for
Building Safe Community
- Friday, April 24**
- 7:00 a.m.–4:00 p.m.**
Solar Atrium (ACC)
Meeting Registration
- 7:00 a.m.–9:00 a.m.
Room 400 (H)
President's Breakfast
- 8:00 a.m.–10:00 a.m.
Room 414 (H)
International Government Affairs
Committee (IGAC) Meeting
- 8:00 a.m.–10:00 a.m.
Room 404 (H)
Restorative Circle
- 8:00 a.m.–12:00 p.m.
H and ACC
Sessions

- 8:00 a.m.–1:00 p.m.
Trinity St. Entrance (ACC)
 Excursion: Texas Prehistory
 Underwater: The Meadows Center and
 Center for Archaeological Research
- 8:00 a.m.–5:00 p.m.
Room 418 (H)
 HAIG Archiving the Archaeologist
 Interviews
- 9:00 a.m.–12:00 p.m.
Room 417B (H)
 Executive Board Meeting of the
 Archaeology Division of the American
 Anthropological Association
- 9:00 a.m.–5:00 p.m.
Exhibit Hall 4–4th St. Entrance (ACC)
 Exhibit Hall
- 10:00 a.m.–11:30 p.m.
Room 416AB (H)
American Antiquity Editorial Board
 Meeting
- 9:00 a.m.–11:00 a.m.
Room 619 (H)
 Workshop: Go Figure: Submitting
 Publication-Ready Art Work that Works
- 12:00 p.m.–1:00 p.m.
Room 415B (H)
 Fiber Perishables Interest Group
 Meeting
- 12:00 p.m.–1:00 p.m.
Room 400 (H)
 History of Archaeology Interest Group
 Meeting
- 12:00 p.m.–1:00 p.m.
Room 414 (H)
 Military Archaeology Resources
 Stewardship (MARS) Interest Group
 Meeting
- 12:00 p.m.–1:00 p.m.
Room 415A (H)
 Prehistoric Quarries and Early Mines
 Interest Group Meeting
- 12:00 p.m.–1:00 p.m.
Salon A (H)
 Zooarchaeology Interest Group Meeting
- 12:00 p.m.–1:30 p.m.
Ballroom D (ACC)
 Workshop: Culture Shifts: Workshop on
 How to Improve Climate
- 12:10 p.m.–12:50 p.m.
Room 614 (H)
 Yoga
- 1:00 p.m.–2:00 p.m.
Room 416AB (H)
 Committee on Repatriation Meeting
- 1:00 p.m.–3:00 p.m.
Room 402 (H)
 Publications Committee Meeting
- 1:00 p.m.–3:00 p.m.
Room 417A (H)
 PEC State Network Coordinators
 Meeting
- 1:00 p.m.–5:00 p.m.
H and ACC
 Sessions
- 2:00 p.m.–3:00 p.m.
Room 416AB (H)
 Committee on Repatriation Meeting and
 Committee on Native American
 Relations Joint Meeting
- 2:00 p.m.–4:00 p.m.
Room 619 (H)
 Workshop: Parasitology and
 Archaeology—A Workshop in Parasite
 Recovery and Identification
- 3:00 p.m.–4:00 p.m.
Room 416AB (H)
 Committee on Native American
 Relations Meeting
- 3:00 p.m.–4:00 p.m.
Room 417A (H)
 Public Archaeology Interest Group
 Meeting

3:30 p.m.–4:30 p.m.

Room 414 (H)

Island and Coastal Archaeology Interest Group Meeting

3:30pm–4:30 p.m.

Room 400 (H)

Get-together for Near and Middle East Archaeologists
Complimentary refreshments thanks to Dartmouth College, Department of Anthropology

3:30 p.m.–5:00 p.m.

Room 417B (H)

Bylaws Committee Meeting

5:00 p.m.–6:30 p.m.

Ballroom D (ACC)

Annual Business Meeting and Awards Presentation

6:45 p.m.–8:30 p.m.

Salon D (H)

Native American Welcome Reception

6:45 p.m.–10:45 p.m.

Room 404 (H)

Society of Africanist Archaeologists (SAfA) Reception

7:00 p.m.–8:00 p.m.

Meeting Room 11AB (ACC)

Afro-Latin American Archaeology Interest Group Meeting

7:00 p.m.–8:00 p.m.

Meeting Room 12A (ACC)

Archaeologist-Collector Collaboration Interest Group Meeting

7:00 p.m.–8:00 p.m.

Meeting Room 15 (ACC)

Bioarchaeology Interest Group Meeting

7:00 p.m.–8:00 p.m.

Meeting Room 16A (ACC)

Curation Interest Group Meeting

7:00 p.m.–8:00 p.m.

Meeting Room 16B (ACC)

Historical Ecology Interest Group Meeting

7:00 p.m.–8:00 p.m.

Meeting Room 12B (ACC)

Repatriation Interest Group Meeting

7:00 p.m.–8:00 p.m.

Meeting Room 14 (ACC)

Rock Art Interest Group Meeting

7:00 p.m.–9:00 p.m.

Meeting Room 18A (ACC)

Geoarchaeology Interest Group Meeting

7:00 p.m.–9:00 p.m.

Meeting Room 18B (ACC)

Digital Data Interest Group, Open Science in Archaeology Interest Group, and Quantitative Methods and Statistical Computing in Archaeology Interest Group Joint Meeting

7:00 p.m.–9:00 p.m.

Meeting Room 13AB (ACC)

Committee on the Americas Meeting

7:00 p.m.–9:00 p.m.

Meeting Room 18D (ACC)

Committee on Climate Change Strategies and Archaeological Resources Meeting

8:30 p.m.–9:00 p.m.

Salon D (H)

Indigenous Populations Interest Group Meeting

Saturday, April 25

7:00 a.m.–4:00 p.m.

Solar Atrium (ACC)

Meeting Registration

7:00 a.m.–8:00 a.m.

Salon B (H)

Committee, Task Force, and Interest Group Leadership Breakfast

8:00 a.m.–12:00 p.m.

H and ACC

Sessions

8:00 a.m.–12:00 p.m.

Trinity St. Entrance (ACC)

Excursion: Austin Underground: A Mostly Walking Tour of Austin's Archaeological Roots

8:00 a.m.–5:00 p.m.

Room 418 (H)

HAIG Archiving the Archaeologist Interviews

8:15 a.m.–5:00 p.m.

Room 400 (H)

SAA Board of Directors Meeting

9:00 a.m.–10:30 p.m.

Room 619 (H)

Workshop: Using tDAR for Research

9:00 a.m.–5:00 p.m.

Exhibit Hall 4–4th St. Entrance (ACC)

Exhibit Hall

10:00 a.m.–12:00 p.m.

Room 414 (H)

Advances in Archaeological Practice
Editorial Board Meeting

11:00 a.m.–4:00 p.m.

Exhibit Hall 4–Trinity St. Entrance (ACC)

Austin Public Archaeology Day

12:00 p.m.–1:00 p.m.

Room 416AB (H)

International Association for Obsidian Studies (IAOS) Annual Meeting

12:00 p.m.–1:00 p.m.

Room 415A (H)

Teaching Archaeology Interest Group Meeting

12:10 p.m.–12:50 p.m.

Room 614 (H)

Yoga

12:00 p.m.–2:00 p.m.

Room 619 (H)

Workshops: Teaching Integrity in Empirical Archaeology

1:00 a.m.–4:00 p.m.

Exhibit Hall 4–4th St. Entrance (ACC)

CRM Expo

1:00 p.m.–5:00 p.m.

Trinity St. Entrance (ACC)

Excursion: Presenting Texas's Earliest Histories: The Rock Art of the Lower Pecos and the Shumla Archaeological Research and Education Center/Becoming Texas

1:00 p.m.–5:00 p.m.

H and ACC

Sessions

5:00 p.m.–7:00 p.m.

Room 414 (H)

Society for Archaeological Sciences
Business Meeting

5:30 p.m.–7:00 p.m.

Salon E (H)

Get-together for Archaeologists of East and Southeast Asia

Sunday, April 26

7:00 a.m.–8:00 a.m.

Solar Atrium (ACC)

Meeting Registration

8:00 a.m.–12:00 p.m.

H and ACC

Sessions

Information on Session Formats

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

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

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

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

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

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

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

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

Any of these sessions are open to all registered attendees. Sessions may be “sponsored” and/or “invited.” The designation “sponsored” indicates the support of an SAA committee or interest group, or an organization outside SAA. The designation “invited” reflects a special status and role within the meeting, as defined by the Program Committee chair.

All sponsored and invited sessions are subject to review by the Program Committee, as are all other submissions, and are subject to the three-role rule. Because numerous groups wish to sponsor sessions, the Program Committee must balance such requests with other program goals; as a result, in some circumstances, requests for sponsored sessions may be rejected. The only exceptions to the review process and three-role rule are the opening and plenary sessions.

Join Us at Posters After Hours!

This poster session will feature 100 posters. With a relaxed atmosphere and a cash bar, this session serves as the perfect venue to connect with colleagues and discuss current research.

About the 2020 Annual Meeting App

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

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

We've Updated How You Log In to the Meeting App!

To increase the security of your personal information, we have updated the process for how you access My Notes, My Schedule, My Exhibitors, My Briefcase, and Attendees. To create your own, unique user credentials, please follow the steps below.

- (1) Click on the Attendees icon
- (2) Then click the "First time user? Create a password" link
- (3) Enter your email address and then click the "Send" button

After clicking "Send," you will be e-mailed instructions on how to create a password.

Need a Snack?

Coffee, snacks, sandwiches, beer, and other beverages will be available for purchase in the Exhibit Hall in Exhibit Hall 4—4th St. Entrance (ACC) on Thursday through Saturday from 9:00 a.m. to 4:30 p.m.

A second concession stand will be available in ACC solar atrium during the following hours:

Wed 4/22, 2:00 p.m.–7:30 p.m.
Thurs 4/23, 7:30 a.m.–7:30 p.m.
Fri 4/24, 7:30 a.m.–4:30 p.m.
Sat 4/25, 7:30 a.m.–4:30 p.m.
Sun 4/26, 7:30 a.m.–11:30 a.m.

Wednesday Evening ■ April 22, 2020**[1] OPENING SESSION**

SYMPOSIUM ■ PRESIDENTIAL SESSION: WHAT IS AT STAKE? THE IMPACTS OF INEQUITY AND HARASSMENT ON THE PRACTICE OF ARCHAEOLOGY
(*Presidential Sponsored Session*)

Room: Ballroom D (ACC)

Time: 6:30 p.m.–8:30 p.m.

Chairs: Amber VanDerwarker and Maureen Meyers

Participants:

- 6:30 Joe Watkins—Setting the Context of Equity and Harassment Issues: They Are NOT Only Women's Issues
- 6:45 Laura Heath-Stout—Pulled In or Pushed Out? Diversity, Discrimination, and the Recruitment of the Next Generation of Archaeologists
- 7:00 Kathleen Sterling—Beyond Leaky Pipelines and Glass Ceilings: Equity Issues on the Academic Track
- 7:15 Dana Bardolph—What Is at Stake in Archaeological Knowledge Production
- 7:30 Maureen Meyers and Amber VanDerwarker—Regional Contexts of Sexual Harassment in the United States: A Comparison of the SEAC and SCA Surveys
- 7:45 Lisa Hodgetts, Kisha Supernant, Natasha Lyons and John Welch—An Intersectional Analysis of Responses to the Equity and Diversity in Canadian Archaeology Survey
- 8:00 Sarah Herr and Susan Stinson—Achieving Safe Workplaces in Cultural Resources Management
- 8:15 Questions and Answers

Thursday Morning ■ April 23, 2020**[2] SYMPOSIUM ■ THE PRECOLUMBIAN DOTTED-DIAMOND-GRID PATTERN: REFERENCES AND TECHNIQUES**

Room: 11AB (ACC)

Time: 8:00 a.m.–9:30 a.m.

Chairs: Billie Follensbee and Lois Martin

Participants:

- 8:00 Laurie Webster and Kelley Hays-Gilpin—Snakeskin and Corn Markings: The Dotted-Diamond-Grid Pattern in the U.S. Southwest
- 8:15 Billie Follensbee—Diamond in the Rough: Olmec and Olmec-Related Occurrences of the Rhombus Motif and Its Variations
- 8:30 Chantal Huckert—The Grid Patterns in the Vestments and Headdresses of Female Statuary from the Classic Period Cultures of Central Veracruz
- 8:45 Terry Stocker—The Diamond Dotted Grid among Toltec Figurines
- 9:00 Gabrielle Vail—Earth Deities, Netted Weaves, and an Exploration of Gendered Roles in the Prehispanic Northern Maya Lowlands
- 9:15 Lois Martin—Symmetries of Corn and Cloth in the Ancient Americas: Pattern Generation, Botany, and the Maize Matrix

[3] GENERAL SESSION ■ HISTORIC ARCHAEOLOGY IN THE SOUTHEAST UNITED STATES

Room: Ballroom E (ACC)

Time: 8:00 a.m.–9:30 a.m.

Chair: Lori Lee

Participants:

- 8:00 Muriel Grubb and Charles Ewen—The Archaeology of the Social Safety Net at the Pitt County Poor Farm
- 8:15 Kevin Wright—Examining Choctaw Coalescence through Ceramic Communities of Practice
- 8:30 Matthew Rooney—Introducing Ethnohistorical Evidence for Charity Hall, an 1820s Chickasaw Boarding School in Mississippi
- 8:45 Jenna Slatowski and Lori Lee—Low-Fired Ceramic Chronologies at Fort Mose
- 9:00 Lori Lee—Bottles and Beads: Glass Objects at Fort Mose
- 9:15 Eric Prendergast—Finding Fort Brooke's Other Cemetery, Tampa, FL

[4] GENERAL SESSION ■ ARCHAEOLOGY OF LOWLAND SOUTH AMERICA

Room: 16B (ACC)

Time: 8:00 a.m.–9:45 a.m.

Chair: José Capriles

Participants:

- 8:00 Emily Rodgers—Petrographic and Geochemical Insights into Ceramic Technology and Provenance on the Paria Peninsula, Venezuela
- 8:15 Danielle Young, Neil Duncan and John Walker—Diet and Agriculture in the Bolivian Amazon
- 8:30 Clark Erickson and Jediah Dale—Precolumbian Management of Water and Aquatic Resources in the Wetlands of the Bolivian Amazon
- 8:45 José Capriles, Sergio Calla Maldonado, Hortensia Nina Vargas and Alejandra Aramayo—Reconstructing the Late Holocene Prehistory of the Bolivian Chiquitano Forest
- 9:00 Jonas Gregorio de Souza—Modeling Late Holocene Diasporas in South America: Spatial Analyses of the Radiocarbon Record and Simulation Approaches
- 9:15 Lucas Bond Reis—Southern Je Archaeology in the Itajaí Valley, South Brazil: The Tobias Wagner Site and Its Regional Context

[5] POSTER SESSION ■ COMPOSITIONAL ANALYSIS AND MATERIALS SOURCING

Room: Exhibit Hall 4 (ACC)

Time: 8:00 a.m.–10:00 a.m.

Participants:

- 5-a Mary Davis, Lucas Martindale Johnson, Daron Duke, Elsa Carpenter and Lee Drake—Very Small Rocks: Exploring Specimen Size Limits in Trace-Element Analysis of Obsidian Flaked Stone with Portable X-ray Fluorescence
- 5-b Cyrus Hulen and Olivia Navarro-Farr—Meeting the Neighbors: An Analysis of Inter-Archipelagic Interaction in the Cook Islands
- 5-c Spencer Wieland, Donna Nash and Emily Schach—Semi-Precious Stones at the Wari site of Cerro Baúl
- 5-d Heather Morrison—Portable X-Ray Fluorescence Analysis of Pictographs at Canyon de Chelly National Monument
- 5-e Lauren Lazik, Robert Hard, Steven Shackley, John Roney and Paige Hayhurst—An Obsidian X-ray Fluorescence Analysis of Early Agricultural and Medio Period Artifacts from Northwest Chihuahua, Mexico
- 5-f Sabrina Pike, Nathan Goodale, Alissa Nauman, Colin Quinn and Anna Prentiss—Procurement and Human Utilization of Fine-Grain Volcanic Rocks in the Interior Pacific Northwest: Case Studies of Arrowstone Hills Source Material Use at the Slocan Narrows and Bridge River Sites
- 5-g Erik Martin and Chelsea Karthaus—Variation in Occupational Intensity and Mobility at Upland Springs in Arid Northwestern Nevada

- 5-h Danielle Waite, Travis Stanton, Traci Ardren and Brigitte Kovacevich—Household Economies in Light of Socioeconomic Integration: Sourcing Analysis of Obsidian Artifacts from Coba, Quintana Roo, and Yaxuna, Yucatán, Mexico
- 5-i James McGrath, Brandi MacDonald and Curtis Marean—The Sourcing of Archaeological Mineral Pigments from PP5-6, Western Cape Province, South Africa via NAA, XRD, and SEM-EDS
- 5-j Holly Cruger—Using PXRF to Distinguish American and English Redware
- 5-k Rachel Whyte, Michael Callaghan and Brigitte Kovacevich—Working toward a Lost Cause? Comparing pXRF Analysis to Neutron Activation Analysis and Petrography using Maya Ceramics from Holtun, Guatemala
- 5-l April Johnson and Deborah Nichols—Near or Afar: A Source Study of Common Ceramics from Classic Teotihuacan
- 5-m 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
- 5-n Brandi MacDonald, Izumi Shimada, Marco Fernandez, Michael Glascock and Ursula Wagner—Sicán Sociopolitical Organization in Lambayeque, Peru: Ceramic Compositional and Distributional Perspective

[6] POSTER SESSION ■ LITHIC STUDIES IN NORTH AMERICA**Room:** Exhibit Hall 4 (ACC)**Time:** 8:00 a.m.–10:00 a.m.**Participants:**

- 6-a Manek Kolhatkar—Contexts of Contexts: Using Palimpsests to Reevaluate Archaeological Concepts, Methods, and Stories
- 6-b Kevin Gilmore, Jonathan Hedlund and Bonnie Clark—Through a Glass, Darkly: Shedding Light on Late Prehistoric Obsidian Conveyance and Apachean Ethnogenesis on the Plains
- 6-c Dylan Person and Barbara Roth—Shattering the Silicate Ceiling: Engendered Perspectives on Women's Production Management in the Mimbres Mogollon
- 6-d Lauren Pratt and Anna Guengerich—Examining the Stone Tools of Late Prehistoric Chachapoyas, Peru, through Microscopic Use-Wear
- 6-e Donald Blakeslee—Assessing the Intensity of Bison Processing
- 6-f Juan Gonzalez, Roseann Bacha-Garza, Christopher Miller and Russell Skowronek—Projectile Points on the Periphery: Augmented Reality Poster for Research and Education on the Lower Rio Grande
- 6-g Michael Jeu—An Experimental Spatial Analysis of Lithic Discard at Hunter-Gatherer Sites

[7] POSTER SESSION ■ DIGITAL ARCHAEOLOGY IN MESOAMERICA**Room:** Exhibit Hall 4 (ACC)**Time:** 8:00 a.m.–10:00 a.m.**Participants:**

- 7-a 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
- 7-b Marina Lemly, Amy Thompson and Keith Prufer—Modeling Ancient Maya Transportation and Trade Routes in Southern Belize with a Least Cost Path Analysis
- 7-c Eric Fries—The Desakota as a Model for Understanding Dense Urban-Agrarian Settlement among the Ancient Maya

- 7-d Michael McDermott, Jeremy McFarland and Marisol Cortes-Rincon—
Understanding Landscape Modifications: Water Management in the Maya
Lowlands of Northwestern Belize
- 7-e Sherman Horn, Anabel Ford and Paulino Morales—Terraces, Quarries, and
Berms, Oh My! Evaluating Land Use and Landscape Modification at the Ancient
Maya City El Pilar
- 7-f Anne Sherfield—Differential Access and Socioeconomic Inequality at
Teotihuacan
- 7-g Dean Blumenfeld—Borders and Boundaries: Spatial Analysis of Urban Zones of
Ancient Teotihuacan
- 7-h Mikayla Gonzales, Amy Thompson and Keith Prufer—Geospatially Modeling
Neighborhoods Using Least Cost Paths at the Classic Period Maya Center
Uxbenká
- 7-i Estevan Ramirez and Kenichiro Tsukamoto—Photogrammetric Documentation of
Burials at the Archaeological Site of El Palmar, Mexico
- 7-j Bailey Gemberling—Living under the Canopy: Using Lidar and Archaeology to
Reconstruct the Settlement History of a Classic Maya Kingdom

[8] POSTER SESSION ■ GEOARCHAEOLOGY

Room: Exhibit Hall 4 (ACC)

Time: 8:00 a.m.–10:00 a.m.

Participants:

- 8-a Heather Landazuri and Daniel Sandweiss—New Kid on the Block: El Niño-
Modoki in Peru, Past, Present, and Future
- 8-b Victoria Tew-Todd, Connor Mayhack, Lilianna Marin and Steven Forman—Late
Quaternary Eolian Stratigraphy and Chronology by Thermal Transfer
Luminescence Dating of Quartz Grains for the Monahans Eolian System
- 8-c Nicholas Bentley—Storms, Sands, and Sinks: Hurricane Deposits in an
Inundated Archaeological Site in Northwest Florida
- 8-d Sarah Rice, D. Craig Young and Daron Duke—A Model for Site Formation in
Dune Settings: A Case from Knolls Dunes, Western Utah
- 8-e Richard Niquette, Bryon Schroeder and Rolfe Mandel—Preliminary Results of
Geoarchaeological Investigations at the San Esteban Rockshelter (41PS20),
Southwest Texas
- 8-f Bryan Kendall and William Whittaker—Relocation and 3D mapping of the Amana
Fish Weir 13IW100
- 8-g James Brown, Douglas McFarland, Zach Allen and Steven Hackenberger—Early
Holocene Paleosol and Associated Sea Level Estimate for the Southern Salish
Sea of the Central Northwest Coast
- 8-h Crystal Dozier, Angelina Perrotti and Elayne Rye—Effects of Acetolysis on Starch
Granules
- 8-i Fernando Casal, Timothy Beach and Colin Doyle—Soil, Sediments, and Great
Waters: The Tabasco Project and Mesoamerican Cultural Origins
- 8-j Joseph Ferraro, Gary Stinchcomb, William Lukens, Katie Binetti and Steven
Forman—Late Quaternary to Holocene Human Occupation of the Chalbi Basin,
Northern Kenya
- 8-k Tamara Whitley, David Whitley and Johannes Loubser—Climate Change and
Occupation on the Carrizo Plain National Monument
- 8-l Megan LeBlanc—Quebrada Debris Flows and Their Relationship to Agriculture at
Tacahuay Tambo

[9] POSTER SESSION ■ BEYOND TRIAGE: PRIORITIZING RESPONSES TO CLIMATE CHANGE IMPACTS ON ARCHAEOLOGICAL RESOURCES*(Sponsored by Committee on Climate Change Strategies for Archaeological Resources)***Room:** Exhibit Hall 4 (ACC)**Time:** 8:00 a.m.–10:00 a.m.**Chairs:** Heather Wholey and Carole Nash**Participants:**

- 9-a Heather Wholey, Daria Nikitina, Katherin Dowling and Michael Powers—
Prioritizing Site Loss in the Delaware Bay, USA, Using Probabilistic Modeling
- 9-b Scott Seibel and Matthew Harris—The Water and the Land: How the Private Sector and Government Work Together to Plan for Climate Change Impacts to Cultural Resources
- 9-c Carole Nash—Prioritizing What We Don't Know: Climate Change as a Catalyst for Upland Survey
- 9-d Anne Jensen—Vulnerability and Values: Things to Consider for Site Prioritization
- 9-e Tad Britt, David Watt, Kory Konsoer, Mark Rees and Samuel Huey—Risk Analysis and Mitigation Strategies for Anthropogenic Disasters along Louisiana's Gulf Coast
- 9-f Chris McDaid, Patrick Barry, Courtney Birkett and Scott Seibel—Monitoring, Planning, and Treating Archaeological Sites for Climate Change
- 9-g Alice Kelley, Arthur Spiess and Bonnie Newsom—Maine Midden Minders: Citizen Science and Coastal Erosion
- 9-h Anastasia Steffen, Nicholas Jarman and Stephanie Bergman—First Came the Fires: Valles Caldera Landscape Futures in a Changing Climate

[10] SYMPOSIUM ■ THE PALACE OF XALLA AT TEOTIHUACAN**Room:** 13AB (ACC)**Time:** 8:00 a.m.–10:15 a.m.**Chair:** Linda Manzanilla**Participants:**

- 8:00 Linda Manzanilla—The Palace of Xalla at Teotihuacan: An Overview of a Multifunctional Palace
- 8:15 Ana Soler-Arechalde, Laura Beramendi-Orosco and Galia González-Hernández—Archaeomagnetic Studies in Xalla: Contributions to the Chronology of Teotihuacan
- 8:30 Laura Beramendi-Orosco, Ana María Soler-Arechalde, Galia González-Hernández and Linda Manzanilla—A High-Resolution Chronology for the Palatial Complex of Xalla Combining a Bayesian Radiocarbon Model with Archaeomagnetic Ages
- 8:45 Adrian Velazquez, Belem Zúñiga and Norma Valentín Maldonado—Archaeological Mollusks from Xalla
- 9:00 Edgar Rosales—Mica in Xalla: A Glittering Archaeological Indicator of Power and Specialized Production
- 9:15 Emiliano Melgar and Reyna Solís—Archaeometry of the Lapidary from Xalla and the Identification of Teotihuacan Relics in Tenochtitlan
- 9:30 Carlos Puértolas, María Vázquez-de-Ágredos-Pascual and Linda Manzanilla—La tecnología del color en Xalla: Instrumentos, materias primas y procesos de manufactura
- 9:45 Rocío Jiménez González—Las figurillas de Xalla, Teotihuacan
- 10:00 Takeshi Inomata—Discussant

[11] **SYMPOSIUM ■ FROM VELD TO COAST: DIVERSE LANDSCAPE USE BY HUNTER-GATHERERS IN SOUTHERN AFRICA FROM THE LATE PLEISTOCENE TO THE HOLOCENE**

Room: 17A (ACC)

Time: 8:00 a.m.–10:15 a.m.

Chair: Benjamin Collins

Participants:

- 8:00 Aurore Val, Paloma de la Peña, May Murungi, Frank Neumann and Dominic Stratford—New Excavations of the Middle Stone Age Deposits at Olieboomspoor, South Africa
- 8:15 Ricci Giulia, Val Aurore and Porraz Guillaume—The Technological Sequence of Heuningneskrans (Limpopo, South Africa) around the Time of the Last Glacial Maximum
- 8:30 Natasha Phillips, Zenobia Jacobs, Brain Jones and Alex Mackay—Gaining Contextual Control: Incorporating a Geoarchaeological Approach into South African Late Pleistocene Landscape Research
- 8:45 Daniela Matos, Manuel Neto, Christopher Miller, Luiz Oosterbeek and Nicholas Conard—The PaleoLeba Project: Linking Human Adaptations and Paleolandscape in the Leba Formation (Huila, Angola)
- 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 Manuel Will and Nicholas Conard—Regional Temporal Signatures in the Howiesons Poort Support Complex Patterns of Behavioral Evolution in the Middle Stone Age of Southern Africa
- 9:30 Gregor Bader, Lyn Wadley, Christian Sommer and Nicholas Conard—A Regional Perspective on the Final MSA in KwaZulu-Natal, South Africa
- 9:45 Erich Fisher, Shara Bailey, Hayley Cawthra, Irene Esteban and Stephan Winkler—Update on Research at the Site of Waterfall Bluff, Eastern Cape Province, South Africa
- 10:00 Benjamin Collins, Ayanda Mdludlu, Jayne Wilkins, April Nowell and Christopher Ames—Evolving Social Networks during the Late Pleistocene: The Perspective from Grassridge Rockshelter, South Africa

[12] **SYMPOSIUM ■ HEARTH AND HOME IN THE INDIGENOUS NORTHEAST**

Room: 15 (ACC)

Time: 8:00 a.m.–10:30 a.m.

Chairs: Donald Holly and Gabriel Hrynick

Participants:

- 8:00 Robert Goodby—Household Size and Organization at the Tenant Swamp Paleoindian Site
- 8:15 Gabriel Hrynick—Building the Dawnland: Toward an Architectural History of Hunter-Gatherers on the Maritime Peninsula
- 8:30 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
- 8:45 Jennifer Birch, Megan Conger, Sturt Manning and Louis Lesage—Reframing Timescales for Longhouse and Community: Radiocarbon Chronologies for Enhanced Ancestral Wendat Household and Community Histories
- 9:00 John Creese—Assertive Egalitarianism and Its Contradictions: Inter-household Spatial Relations and Emergent Social Assemblages in Fifteenth–Seventeenth-Century Northern Iroquoian Villages
- 9:15 Questions and Answers

- 9:30 Joseph (Jay) Waller Jr.—Home Is Where the Hearth Is: Narragansett Indian Houses and Homes on the Eve of European Contact
- 9:45 William Farley—Hearth, Home, and Colonialism: Cultural Entanglement at Calluna Hill, a 1630s Pequot War Household
- 10:00 James Williamson—Beothuk Housepits in Virtual Spaces
- 10:15 Donald Holly, Christopher Wolff, James Williamson and Jessica Watson—Hearth and Home at Sabbath Point: A Beothuk Housepit on Red Indian Lake, Newfoundland

[13] SYMPOSIUM ■ BIG IDEAS IN NEW ENGLAND ARCHAEOLOGY: CELEBRATING THE LEGACY OF BRIAN D. JONES

Room: 18C (ACC)

Time: 8:00 a.m.–10:45 a.m.

Chairs: Elizabeth Chilton and Kevin McBride

Participants:

- 8:00 Elizabeth Chilton—Social Networking in New England Archaeology
- 8:15 Daniel Forrest—Occam, Rorschach, and Schrödinger Walk into a Bar: Reflections on a Twenty-Year Conversation about the Early Holocene Archaeology in New England
- 8:30 Zachary Singer—Paleo Pale Ale: Reflections on Connecticut Paleoindian Studies with Dr. Brian Jones
- 8:45 David Leslie and Sarah Sportman—Preliminary Results from Site 4-10B (Brian D. Jones Site): Paleoindian Occupation of the Farmington River Valley, Avon, Connecticut
- 9:00 Heather Cruz—Cult-ure during the Terminal Archaic? An Homage to Brian Jones
- 9:15 Krista Dotzel—The Deer Are Just Going to Eat that Corn: Agriculture, Mobility, and Maize Processing in Southern New England 2000–500 BP
- 9:30 Dianna Doucette—Assessing Archaeological Sensitivity along the Charles River: How Can the Physical and Cultural Landscape of Today Be Applied to Native American Settlement Choices Thousands of Years Ago?
- 9:45 Sarah Sportman and Scott Brady—“Remote from the Other English Plantations”: Reflections on Current Seventeenth-Century Research in Connecticut
- 10:00 Megan Willison—Trade and Settlement in Seventeenth-Century Connecticut
- 10:15 Kevin McBride—Discussant
- 10:30 Questions and Answers

[14] SYMPOSIUM ■ ARCHAEOLOGY AND THE HISTORY OF HUMAN-ENVIRONMENT INTERACTION IN THE LOWER BELIZE RIVER WATERSHED

Room: Salon J (H)

Time: 8:00 a.m.–10:45 a.m.

Chair: Eleanor Harrison-Buck

Participants:

- 8:00 Eleanor Harrison-Buck—Introduction to the Lower Belize River Watershed: A Deep History of Human-Environment Interaction
- 8:15 Marieka Brouwer Burg—Modeling Preceramic Occupation around the Wetlands of the Low-Lying Coastal Zone
- 8:30 Mark Willis and Satoru Murata—Mapping of the Largest Inland Perennial Wetland in Belize

- 8:45 Samantha Krause, Timothy Beach, Sheryl Luzzadder-Beach, Emely Hernandez and Eleanor Harrison-Buck—Geoarchaeological Investigations of Wetlands and Waterways in Crooked Tree, Belize
- 9:00 Kelin Flanagan, Astrid Runggaldier and Samantha Krause—Maya Structures for Wet and Dry Seasons: Adaptive Strategies and Microenvironments at the Site of Chulub in the Crooked Tree Lagoon System
- 9:15 Lori Phillips, Erin Thornton and Eleanor Harrison-Buck—Ancient Maya Use of Fauna from the Wetlands and Beyond
- 9:30 Satoru Murata and Adam Kaeding—From Rural Hinterlands to Urban Centers: Investigating Ancient Maya Settlement in the Lower Belize River Watershed
- 9:45 Gabriel Wrobel, Carolyn Freiwald and Eleanor Harrison-Buck—Bioarchaeology of the Lower Belize River Watershed
- 10:00 Jessica Craig, Eleanor Harrison-Buck and Astrid Runggaldier—Terminal Classic Ancestors and the Eastern Shrine of Chikin Chi'Ha, Belize
- 10:15 Adam Kaeding and Eleanor Harrison-Buck—The Maya at Spanish Contact in the Lower Belize River Watershed
- 10:30 Questions and Answers

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

Room: Ballroom F (ACC)

Time: 8:00 a.m.–11:00 a.m.

Chairs: Kate Magargal, Weston McCool and Carly Whelan

Participants:

- 8:00 Weston McCool, Amy Anderson, Joan Brenner Coltrain and Douglas Kennett—Explaining Trade-offs between Food Acquisition and Violence Avoidance Using a Risk-Sensitive Patch-Choice Model
- 8:15 Christopher Morgan, Gustavo Neme, Adolfo Gila and Miguel Giardina—Risk Seeking and Risk Mitigation in the High Argentine Andes
- 8:30 Alexandra Greenwald—Women's Time Allocation Trade-offs in an Intensive Foraging Economy Led to Future-Discounting Reproductive Behavior
- 8:45 Carly Whelan—Why Delay Dinner? A Future-Discounting Approach to Examining the Origin and Evolution of Food Storage
- 9:00 Peter Yaworsky—The Interactive Effects of Risk and Climatic Variation on Food Storage Behavior
- 9:15 Matthew Pailes and Natalia Martínez-Tagüenia—Future Discounting in Subsistence Decisions: The Case of Hohokam Agave Bajada Cultivation
- 9:30 Kate Magargal—Limb for Limb: Risk and Firewood Acquisition in the Southwestern United States
- 9:45 Gregory Burns—Monetized Trade and Correlated Risk in Central California
- 10:00 Brian Coddling, David Zeanah, Rebecca Bliege Bird and Douglas Bird—Resource Acquisition Risk as a Driver of Subsistence Transitions
- 10:15 Shannon Tushingham—Evolutionary Models of Leadership, Risk, and Decision-Making among Women
- 10:30 Douglas Kennett—Discussant
- 10:45 Questions and Answers

[16] SYMPOSIUM ■ THE ROCK ART OF TEXAS

(Sponsored by Rock Art Interest Group)

Room: 16A (ACC)

Time: 8:00 a.m.–11:15 a.m.

Chairs: Jerod Roberts and Victoria Roberts

Participants:

- 8:00 Christopher Goodmaster—Hueco Tanks: Survey, Documentation, and Analysis of Rock Art Imagery in the Jornada Mogollon Region
- 8:15 Roger Boren—Rock Art Studies in the Big Bend Region of Eastern Trans-Pecos Texas
- 8:30 Tim Roberts—The Meeting of Two Worlds: A 10-Year Review of the “Big Bend Bold” Pictograph Style of West Texas
- 8:45 Erika Blecha—The Boulder Glyphs: An Analysis of Prehistoric Conflict and Historic Ranching Lifeways along the Big Bend of the Rio Grande
- 9:00 Karen Steelman—New Rock Art Dates for the Lower Pecos Canyonlands
- 9:15 Elton Prewitt—Painted Pebbles of Southwest Texas: Archaic Proto-Kachinas?
- 9:30 Questions and Answers
- 9:45 Victoria Roberts, Jerod Roberts and Richard McAuliffe—Public Outreach of the Alexandria Project
- 10:00 Jerod Roberts, Victoria Roberts and Richard McAuliffe—Alexandria Project Baseline Documentation of Cedar Springs Shelter
- 10:15 Carolyn Boyd and Ashley Busby—Mapping the Multisensory Experience in Pecos River Style Rock Art
- 10:30 Gary Perez, Joe Tellez, Alfred Alaniz and Janet Stock—Pictograph Iconography and Geologic Realities at 41VV124, the White Shaman Mural
- 10:45 Whitney Cox—Paint Rock: The Religious Foundations of the Rock Art
- 11:00 Kim Cox—Paint Rock: The Ethnography and History of the Rock Art

[17] SYMPOSIUM ■ GEOMETRIC MORPHOMETRICS IN ARCHAEOLOGY**Room:** 19B (ACC)**Time:** 8:00 a.m.–11:15 a.m.**Chair:** Robert Bischoff**Participants:**

- 8:00 Austin Lutterbach—GULmorph: A User-Friendly R Package to Digitize and Perform 2D and 3D GM
- 8:15 Briggs Buchanan, Danielle Macdonald and Kyleigh Royal—Evaluating the Effects of Parallax in Archaeological Geometric Morphometric Analyses
- 8:30 Robert Selden Jr., Michael Shott and Morgane Dubied—Processing Matters: 3D Mesh Morphology
- 8:45 Ben Marwick and Pham Thanh Son—An Update on the Sonvian-Hoabinhian Controversy: Shape Analysis of Flakes and Cores from Mau A, Northern Vietnam
- 9:00 Ashley Smallwood, Thomas Jennings, Heather Smith and Charlotte Pevny—Geometric Morphometric Analyses of Beveled and Serrated Late Paleoindian Dalton Points from the Heartland
- 9:15 Jolyane Saule—Bifacial Tool Types Variability during the Late Paleoindian Period in the Eastern Townships, Québec
- 9:30 David Thulman—Using Geometric Morphometrics to Identify Prehistoric “Territories”
- 9:45 Wendy Cegielski—Automated, Geometric Morphometrics of Iberian Bronze Age Ceramic Rims
- 10:00 Robert Bischoff—Geometric Morphometric Analysis of Hohokam Projectile Points from the Tonto Basin
- 10:15 Caitlin Wichlacz—2D Geometric Morphometric Analysis of Ceramic Vessel Profiles from Phoenix Basin Hohokam Sites
- 10:30 R. Alan Covey, Robert Selden Jr., Nicole Payntar, Astrid Runggaldier and Charles Spencer—Geometric Morphometric Analysis of Inca Jars from Two Public Collections

- 10:45 Bonnie Etter, Robert Selden Jr. and Sunday Eiselt—The Toyah Phase Paradox in Three Dimensions
11:00 Bernard Means—Discussant

[18] SYMPOSIUM ■ 20,000 YEARS UNDER THE GULF: EXPLORING RECENT RESEARCH IN THE GULF OF MEXICO FROM SUBMERGED PALEOLANDSCAPES TO HISTORIC SHIPWRECKS

Room: 18A (ACC)

Time: 8:00 a.m.–11:15 a.m.

Chairs: Melanie Damour, Ryan Duggins and Shawn Joy

Participants:

- 8:00 Shawn Joy—Coastally Adapted: A Model for Eastern Coastal Paleoindian Sites
8:15 Ryan Duggins and Heather Walsh-Haney—Inundated Wet-Site Archaeology: Manasota Key Offshore and the Future of Submerged Precontact Archaeology on the Continental Shelf
8:30 Nathan Hale, Jessica Cook Hale, Katherine Woo, Jonathan Benjamin and Ervan Garrison—The Geoarchaeology and Taphonomy of Submerged Shellfish Middens in Apalachee Bay, Florida, USA
8:45 Morgan Smith, Shawn Joy and Andrew Van Slyke—Clint's Scallop Hole (8JE1796): A Newly Discovered Prehistoric Quarried Landscape in Apalachee Bay, Florida
9:00 Andrew Van Slyke and Hunter Whitehead—Testing Photogrammetric Methods on Submerged Precontact Sites in Florida
9:15 Analise Hollingshead, Tara Skipton, Jayur Mehta, Brian Ostahowski and Theodore Marks—We're Far from the Shallow Now: Assessing Climate Change Impacts in the Gulf of Mexico
9:30 Questions and Answers
9:45 Christopher Horrell, Roberto Junco, Melanie Damour, and Frederick Hanselmann—Conquest: The Lost Ships of Cortés Project and the Search for a 500-Year-Old Scuttled Fleet in the Gulf of Mexico
10:00 James Delgado, Kyle Lent, Deborah Marx, Joseph Grinnan and Alex DeCaro—The Case for Clotilda
10:15 Melanie Damour, Douglas Jones, Warren Wood and Leila Hamdan—Exploring Deepwater Shipwreck Microbiomes in the Northern Gulf of Mexico: The Microbial Stowaways Project
10:30 Amy Borgens—The Dugout and the Lost City
10:45 Douglas Jones, Melanie Damour and Jason Chaytor—X Marks the Spot . . . For Now: Subsea Mudflows and Moving Shipwrecks on the Mississippi River Delta Front
11:00 James Delgado—Discussant

[19] SYMPOSIUM ■ HALL'S CAVE, TEXAS: GEOARCHAEOLOGY, ARCHAEOLOGY, GEOCHRONOLOGY, AND PALEOECOLOGY

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

Room: 17B (ACC)

Time: 8:00 a.m.–11:15 a.m.

Chairs: Joshua Keene, Michael Waters and Thomas Stafford Jr.

Participants:

- 8:00 Michael Waters and Thomas Stafford Jr.—Five Decades of Research at Hall's Cave, Texas
8:15 Mark Everett—Electrical Resistivity Tomography at Hall's Cave

- 8:30 Thomas Stafford Jr., Ernest Lundelius and Michael Waters—Geochronology of Hall's Cave, Texas
- 8:45 Carlos Cordova and William Johnson—The Pollen and Phytolith Record from Hall's Cave, South-Central Texas: Vegetation Change and Paleoclimatic Trends
- 9:00 Anna Linderholm, Frederik Seersholm, Taryn Johnson, Michael Bunce and Michael Waters—Tracking the Younger Dryas Mass Extinctions Using Ancient DNA from Cave Sediments
- 9:15 Rickard Toomey and Ernest Lundelius—Vertebrate Paleontology of Hall's Cave
- 9:30 Donald Esker, Ren Zhang and Steven Forman—Carbon and Oxygen Isotope Chemistry of Hall's Cave Lagomorphs
- 9:45 Joshua Feinberg—Layered Sediments of Hall's Cave Preserve a Record of Geomagnetic Field and Environmental History for the Last ~18,000 Years
- 10:00 Nan Sun, Alan Brandon, Steven Forman, Michael Waters and Thomas Stafford Jr.—A Volcanic Origin for Younger Dryas Geochemical 1 Anomalies ca. 12,900 cal BP
- 10:15 Tyler Laughlin, Joshua Keene and Michael Waters—Archaeological Investigations of the Late Quaternary from Hall's Cave
- 10:30 Joshua Keene—Archaeological Surface Survey of the Hall's Cave Site (41KR474): Preliminary Results
- 10:45 Britt Bousman—Discussant
- 11:00 Dennis Jenkins—Discussant

[20] SYMPOSIUM ■ LIFE IN THE MIDST OF THE QUARRIES: NEW PERSPECTIVES ON QUARRYING AND STONEMAKING IN THE PREHISPANIC MAYA LOWLANDS

Room: Salon F (H)

Time: 8:00 a.m.–11:45 a.m.

Chairs: Mary Clarke and Celine Gillot

Participants:

- 8:00 Ken Seligson—A Whole Lot of Holes: An Abundance of Quarries at Muluchtzekel as a Marker of Geological and Material Wealth
- 8:15 Celine Gillot—Quarrying Stone, Carving Knowledge: Landscape Familiarity, Raw Materials Selectivity, and Extraction Technology at Río Bec (Campeche, Mexico)
- 8:30 Osiris Quezada and Grégory Pereira—Las fuentes prehispánicas de dacita de la región de Zacapu Michoacán: El análisis del complejo de "Las Minas": Métodos y técnicas de extracción
- 8:45 Jason Paling, Rachel Horowitz and Mary Clarke—Tools of the Trade: A Review of the Lithic Technologies Associated with Ancient Maya Mines and Quarries
- 9:00 Mary Clarke—Producing Stone and the State: The Socioeconomic Organization of Limestone Production at the Ancient Maya Site of Xultun, Guatemala
- 9:15 Leah McCurdy—Construction Workers: Ancient Maya Building Labor Systems and the People Who Labor
- 9:30 Dominique Michelet—About the Art and Energetic Costs of Stone Making in the Maya Puuc Region
- 9:45 Julien Hiquet—From the Quarry to the Building: Stone Procurement, Distance Transportation, and Cost Simulation at Naachtun (Petén, Guatemala)
- 10:00 Alejandra Alonso, Soledad Ortiz, Oscar de Lucio, José Luis Ruvalcaba and Luis Barba—The Art of Processing Limestone into Lime in the Maya Lowlands: The Characterization and Technology of Plaster Decorations from the Preclassic to Late Classic Periods
- 10:15 Christopher Carr and Nicholas Dunning—A Gypsum Quarry in Alignment with the Ancient Maya Cities of Calakmul and Yaxnohcah, Campeche, Mexico

- 10:30 Bosiljka Glumac, Carlos Peraza Lope, Marilyn Masson and Bradley Russell—
Geoarchaeological Perspectives on Ground Stone Sources of Precolumbian
Maya Household Architecture and Assemblages in Northwest Yucatán, Mexico
- 10:45 Jeffrey Brewer and Christopher Carr—Assessing Small Depressions as
Community Quarry-Reservoirs: A Case Study from the Classic Maya Site of
Yaxnohcah
- 11:00 Patricia McAnany—Discussant
- 11:15 Brigitte Kovacevich—Discussant
- 11:30 Questions and Answers

[21] SYMPOSIUM ■ DEVELOPMENTS THROUGH TIME ON THE SOUTH COAST OF PERU

Room: 18B (ACC)

Time: 8:00 a.m.–11:45 a.m.

Chairs: Jo Osborn and Alicia Gorman

Participants:

- 8:00 Sarah Massey—Tajahuana: New Perspectives on a Paracas Site in the Middle
Ica Valley
- 8:15 Jo Osborn, Camille Weinberg, Kelita Pérez Cubas and Richard Espino
Huaman—The Development of Economic Specialization among Prehispanic
Fishermen: The Case of Jahuay, Quebrada de Topará, Chincha
- 8:30 Ann Peters—Tracing Relationships over Time: Models of Exchange in the
Greater Ica Region during the Paracas-Nasca Transition
- 8:45 Patrick Carmichael—Origins of Polychrome Pottery in Nasca Gravelots
- 9:00 Christian Cancho Ruiz and Alicia Gorman—Nuevas evidencias desde Cerro
Tortolita un sitio del Intermedio Temprano en la costa sur del Perú-Ica
- 9:15 Alicia Gorman and Christian Cancho Ruiz—(Re)constructing the Social
Structure of Society at Cerro Tortolita through Its Ceramic Assemblage
- 9:30 Sarah Kerchusky—Symbolic Behavior in Household Archaeology: A Study of
Late Nasca Period and Loro Period Figurines from Zorropata, Nasca, Peru
- 9:45 Francesca Fernandini—One Settlement, Many Communities
- 10:00 Questions and Answers
- 10:15 Christina Conlee, Corina Kellner, Chet Walker and Aldo Noriega—Huaca del
Loro: A Wari Colony in Coastal Nasca
- 10:30 Jennifer Larios, Jacob Bongers, Jordan Dalton, Jo Osborn and Camille
Weinberg—The Pottery of Chincha Revisited
- 10:45 Jordan Dalton, Colleen O'Shea, Juliana Gomez Mejia and Noemi Oncebay
Pizarro—Death after Inka Expansion: Analyses of a Secondary Communal
Burial at Las Huacas, Chincha Valley
- 11:00 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
- 11:15 Rodrigo Areche—Controlling Chili Peppers under the Inka Government: The
Case of Huacones—Vilcahuasi in the Cañete Valley
- 11:30 Kevin Vaughn—Discussant

[22] SYMPOSIUM ■ ANIMAL BONES TO HUMAN BEHAVIOR

(Sponsored by Zooarchaeology Interest Group)

Room: Salon G (H)

Time: 8:00 a.m.–11:45 a.m.

Chairs: Abigail Fisher and Brittany Mistretta

Participants:

- 8:00 John Gorczyk—Caprines in the Cattle Zone: Reconciling Faunal Data at Two Scales during the Early Neolithic in the Sofia Basin, Bulgaria
- 8:15 Amy Nicodemus—Animal Economies and Emergent Complexity in the European Bronze Age
- 8:30 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
- 8:45 Erin Crowley-Champoux—Reconstructing Animal Economies of Early Ireland in Transition
- 9:00 Pam Crabtree and Taylor Zaneri—Using Zooarchaeology to Explore the Origins of Medieval Urbanism: Evidence from Badia Pozzeveri near Lucca, Antwerp, and Ipswich
- 9:15 Richard Redding—Provisioning, Production, and Parallel Economies in Old Kingdom Egypt
- 9:30 Karen Lupo, David Schmitt, Gwen Bakke and Nicolette Edwards—Faunal Remains from Farmer and Forager Sites in the Congo Basin in the Ethnoarchaeological Record
- 9:45 Questions and Answers
- 10:00 Brittany Mistretta—Nourishing Social Bonds: Tracing the Costly Signals of Caribbean Communal Rituals in Archaeofaunal Remains
- 10:15 Abigail Fisher and Lewanne French—Canine Dental Damage and Dental Pathology as Indicators of Changing Haulage Roles during the Transition to Agriculture
- 10:30 Amanda Burt—Taboo to Chew: Cultural Influences on Dog Feeding
- 10:45 Jonathan Dombrosky—The Impact of Fish Body Size on Ancestral Pueblo Foraging Decisions in New Mexico, ca. AD 1350–1600
- 11:00 Christine Mikeska—Understanding Patterns of Indigenous White-Tailed Deer (*Odocoileus virginianus*) Exploitation in the North Carolina Piedmont Using Strontium (⁸⁷Sr/⁸⁶Sr) Isotope Analysis
- 11:15 Nicolas Delsol—Mesoamerican Cowboys: Exploring the History of Cattle Ranching in Colonial Mexico and Guatemala through Zooarchaeology
- 11:30 Martin Welker and Eréndira Quintana Moranes—Meta-analysis of the North Atlantic Cod Fisheries: The Zooarchaeology of the Sixteenth to Nineteenth-Century Trans-Atlantic Cod Trade

[23] SYMPOSIUM ■ RECONSIDERING THE ARCHAIC PERIOD IN THE AMERICAS**Room:** Salon K (H)**Time:** 8:00 a.m.–11:45 a.m.**Chairs:** Robert Rosenswig and Christopher Wolff**Participants:**

- 8:00 Christopher Wolff—Is Maritime Archaic an Archaic Term? A Consideration of Terminology in Newfoundland and Labrador
- 8:15 Amy Fox—Broadpoint Typology of the Late Archaic Period in Eastern North America: On the Snook Kill, Atlantic, and Lehigh/Koens Crispin Varieties
- 8:30 Colin Grier—Persistence and Continuity in the Holocene History of the Northwest Coast of North America
- 8:45 María Nieves Zedeño, François Lanoë and Danielle Soza—Reimagining the Plains Archaic
- 9:00 Questions and Answers
- 9:15 Jon Lohse, Don Wyckoff and Marjorie Duncan—Calf Creek: An Exceptional Archaic Adaptation in the Southern Plains, North America
- 9:30 Danielle Soza—The Archaic U.S. Southwest: Reconsidering the Archaeological Narrative

- 9:45 Asa Randall—"The past is never dead, it's not even past": The Archaic Southeast in a Post-Archaic world
- 10:00 Kenneth Sassaman—The End Is Not Near: An Archaic World-Renewal Perspective on Our Own Future
- 10:15 Questions and Answers
- 10:30 W. James Stemp and Jaime Awe—Better Late Than Never: A Reassessment of the Preceramic in Western and Central Belize
- 10:45 Robert Rosenswig—The Adaptive Mosaic of Mesoamerica's Archaic Period
- 11:00 Daniel Sandweiss—The Central Andean Coastal Archaic?
- 11:15 Patricia Netherly and Tom Dillehay—The South American "Archaic": Terms, Transformations, and Pathways
- 11:30 Douglas Kennett—Experimentation, Domestication, and Intensification in Mesoamerica Prior to 3000 cal BP

[24] SYMPOSIUM ■ STRATIFICATION AND CORRELATION: TOOLS AND TECHNIQUES FOR ARCHAEOLOGICAL CHRONOLOGY

Room: 12B (ACC)

Time: 8:00 a.m.–12:00 p.m.

Chairs: Caitlin Buck, Thomas Dye and Keith May

Participants:

- 8:00 Keith May—Ontological Spatio-Temporal Modeling and the Uses of Allen Operators for Stratigraphic Analysis
- 8:15 Adam Rabinowitz, Ryan Shaw and Patrick Golden—Temporal Reasoning and Visualization across Periodized Archaeological Datasets: The Potential of the PeriodO Gazetteer
- 8:30 David Bibby—Stratigraphy and the Harris Matrix in the German-Speaking Area 1986–2019
- 8:45 Bryony Moody, Caitlin Buck, Gianna Ayalla, Keith May and Thomas Dye—Automation of Bayesian Chronology Construction Using a Graph Theoretic Approach
- 9:00 Thomas Dye—Reasoning between the Lines: Archaeological Application of Allen's Interval Algebra
- 9:15 Charlotte Pearson and Charlotte Pearson—What Does Annual Tee-Ring ¹⁴C Offer for Chronological Synchronization and Calibration?
- 9:30 Philippe Lanos and Philippe Dufresne—A New Bayesian Approach for Estimating Chronological Events and Phases with ChronoModel
- 9:45 William Banks and Philippe Lanos—An Application of Hierarchical Bayesian Modeling to Upper Paleolithic Archaeological Cultures in France between 32–21 cal ka BP
- 10:00 Robert DiNapoli, Timothy Rieth, Carl Lipo and Terry Hunt—A Stratigraphic Approach to Developing Chronologies for Monumental Architecture: A Rapa Nui (Easter Island) Case Study
- 10:15 Barry Rolett—From Dune Stratigraphy to a Model-Based Cultural Sequence for the Marquesas Islands of East Polynesia
- 10:30 Takeshi Inomata—Poor Preservation in Complex Urban Settings: Chronology-Building in the Maya Area
- 10:45 James Vint—Stratigraphy and Chronology at Las Capas, an Early Agricultural Period Site in the Tucson Basin
- 11:00 Caitlin Buck and James Zeidler—Tephrostratigraphic Correlation and Ceramic Seriation in Bayesian Calibration: A Case Study from Coastal Ecuador
- 11:15 Timothy Rieth—Discussant
- 11:30 Edward Harris—Discussant
- 11:45 Questions and Answers

[25] SYMPOSIUM ■ ARCHAEOACOUSTICS: SOUND, HEARING, AND EXPERIENCE IN ARCHAEOLOGY**Room:** 14 (ACC)**Time:** 8:00 a.m.–12:00 p.m.**Chairs:** Kristy Primeau, Margarita Díaz-Andreu and Tommaso Mattioli**Participants:**

- 8:00 Kristy Primeau—Current Trends in Archaeoacoustics
- 8:15 Jonathan Goldner—Listening to Wood: Material Engagements with the Sound of Trees
- 8:30 Raquel Jiménez Pasalodos, Tommaso Mattioli, Laura Coltofean-Arizancu, Andrzej Rozwadowski and Margarita Díaz-Andreu—The Spirits Listen: Ethnographical Accounts of South Siberian Soundscapes
- 8:45 Leland Bement, Joshua Davis and Kristy Primeau—Defining a Prehistoric Hunting Soundscape Using Archaeoacoustic Techniques, Black Mesa, Oklahoma, USA
- 9:00 Peter Boyle and Janine Hernbrode—Bell Rocks and Music Making at the Cocoraque Butte Rock Art Site
- 9:15 Dianne Scullin—Moche Sonic Artifacts: Creating a Desired Soundscape
- 9:30 Jared Katz—Ancient Maya Soundscapes: How Music Impacts People's Experiences
- 9:45 Steven Waller—Archaeoacoustic Studies of Rock Art: Who, What, When, Where, Why, and How?
- 10:00 Angela Bellia—Aural Experiences in the Performative Spaces of the Past
- 10:15 Miriam Kolar—Archaeoacoustics of an Elite Inca Setting: Sonic Dynamics atop the Central Plaza Platform at Huñuc Pampa, Peru
- 10:30 Heather Richards-Rissetto, Kristi E. Primeau and David Witt—Incorporating Vegetation Reconstruction in Computational Landscape Archaeoacoustics: An Ancient Maya Case Study
- 10:45 Agata Calabrese—Lamenting the Dead: The Acoustic Element in Bronze Age Funerary Rituals in Syro-Mesopotamia
- 11:00 Chester Liwosz—Selective Hearing: Toward a Puebloan Probability Model for Archaeoacoustic Landscape Properties Using Iconography and Geophysical Variables
- 11:15 Laura Coltofean-Arizancu, Tommaso Mattioli, Gabriel García Atiénzar, Virginia Barciela and Margarita Díaz-Andreu—Rock Art and GIS: Bridging the Gap between Audibility, Visibility, and Landscape
- 11:30 Tommaso Mattioli, Angelo Farina, Adriano Farina, Elena Miklashevich and Margarita Díaz-Andreu—Multiple-Input Multiple-Output (MIMO) Impulse Response: An Advanced Acoustic Measurement Technique for Analyzing Rock Art Landscapes
- 11:45 David Witt—Discussant

[26] SYMPOSIUM ■ BEYOND SETTLEMENT SCALING: COMPLEX SYSTEMS IN ARCHAEOLOGY**Room:** 19A (ACC)**Time:** 8:30 a.m.–12:00 p.m.**Chair:** Scott Ortman**Participants:**

- 8:30 Erick Robinson, Scott Ortman, Grant Coffey, Jacob Freeman and Robert Kelly—Energy Consumption and Population Size in the Archaeological Record: Evaluating the Relationship between Radiocarbon Date Frequencies and Prehistoric Populations

- 8:45 Marcus Hamilton and Briggs Buchanan—The Complex Diversification of North American Projectile Point Typologies over Time and Space
- 9:00 Sarah Klassen and Alyssa Loyless—Urban Scaling and Agricultural intensification: A Case Study from Angkor, Cambodia
- 9:15 David Sandefor and José Lobo—Settlement Scaling Theory and Political Order in the Prehistoric Oaxaca Valley
- 9:30 Zachary Cooper and Scott Ortman—Artifact Density and Population Density in Northern China
- 9:45 John Hanson—Was Life in Larger Cities Less Fair?
- 10:00 Questions and Answers
- 10:15 Tim Kohler and J. Daniel Rogers—The Theory of the Adjacent Possible and Settlement Scaling Theory
- 10:30 Scott Ortman, Claire Ebert, Amy Thompson, Michael Smith and Robert Rosenswig—Where Scaling Theory Breaks? The Case of Mesoamerican Low-Density Urbanism
- 10:45 Michael Smith, Qitian Hu, Timothy Dennehy, Angela Huster and Luis Bettencourt—Spatial Clustering, Wealth, and Neighborhoods at Teotihuacan: A Complexity Approach
- 11:00 Evan Giomi and Barbara Mills—Evaluating Social Boundaries in Coalescent and Colonial Societies through Network Analysis: Social Transformation on the Rio Grande between AD 1300 and 1700
- 11:15 Jacob Freeman, Darcy Bird, Erick Robinson, José Capriles and Judson Finley—Studying the Long-Term Stability of Agricultural Societies to Inform Climate-Smart Agriculture
- 11:30 Stefani Crabtree and Jennifer Dunne—The ArchaeoEcology Project: Examining Common Modalities of Human-Ecosystem Interaction Worldwide
- 11:45 Luis Bettencourt—Discussant

[27] SYMPOSIUM ■ CELEBRATING 20 YEARS OF SUPPORT: CURRENT WORK BY THE RECIPIENTS OF THE DIENJE KENYON MEMORIAL FELLOWSHIP FOR ZOOARCHAEOLOGISTS

(Sponsored by Fundraising Committee)

Room: Ballroom G (ACC)

Time: 9:00 a.m.–11:30 a.m.

Chair: Todd Koetje

Participants:

- 9:00 Ashleigh Rogers and Marshall Weisler—Limpet (*Cellana* spp.) Shape Is Correlated with Basalt or Eolianite Coastlines: Insights into Prehistoric Marine Shellfish Foraging in the Hawaiian Islands
- 9:15 Ashley Sharpe—The Learning Curve: Toward a Better Understanding of Zooarchaeology in the Tropics
- 9:30 Arianne Boileau—The Inside/Outside Connection: A Spatial Analysis of Faunal Remains from Contact Period Maya Elite Structures at Lamanai, Belize
- 9:45 Carla Hadden and Suzanne Pilaar Birch—Trends in Research Funding for Women in Zooarchaeology
- 10:00 Katie Tardio—Fauna, Food, and Factories: Zooarchaeology at Roman Tarraco, NE Spain
- 10:15 Briana Pobiner, Laurence Dumouchel and Jennifer Parkinson—A New Semi-Quantitative Method for Identifying Carnivore-Specific Bone Damage Patterns
- 10:30 Michelle LeFebvre, Jessica Oswald, Julie Allen, David Steadman and Robert Guralnick—Transdisciplinary Questions and Interdisciplinary Approaches to Caribbean Historical Ecology: The Anthropogenic History of Endemic Hutias (*Capromyinae*)

- 10:45 Sarah MacIntosh, Levent Atici and Sachihiro Omura—Controlling Inherited Biases and Analytical Procedures for the Zooarchaeologist: A Case Study from the Central Anatolian Site of Kaman-Kalehöyük
- 11:00 Allison Wolfe—The Bonneville Basin Avifauna
- 11:15 Weronika Tomczyk and Nathan Acebo—In a Shade of Colonial Expansion: The Subsistence Strategies and Consumption Practices in Black Star Canyon, Southern California

[28] SYMPOSIUM ■ THE CURRENT STATE OF ARCHAEOLOGICAL RESEARCH ACROSS SOUTHEAST ASIA

(Sponsored by Southeast Asian Archaeology Interest Group)

Room: 406 (H)

Time: 9:00 a.m.–11:30 a.m.

Chair: Scott Macrae

Participants:

- 9:00 Gyles Iannone, Pyiet Phyo Kyaw and Scott Macrae—Searching for Classical Bagan's Peri-Urban Neighborhoods: Preliminary Results of the 2019 Field Season
- 9:15 Scott Macrae, Gyles Iannone, Kong Cheong, Nyein Chan Soe and Naing Soe—Surveying Dispersed Urbanism in Bagan's Peri-Urban Zone
- 9:30 Mitch Hendrickson, Stéphanie Leroy, Enrique Vega, Kaseka Phon and Quan Hua—Iron Scales: Reconstructing the History and Organization of Angkorian Iron Smelting around Phnom Dek, Cambodia (Ninth to Fifteenth Centuries CE)
- 9:45 Kendall Hills—Sandstone Temple Survey in the Northwest Provinces of the Angkorian Khmer Empire: Preliminary Results of the 2019 Field Campaign
- 10:00 Andrew Harris—Theravada Buddhist Monastic Activity at Angkor Thom: A Discussion of What, Where, and When
- 10:15 David Brotherson—Commerce, the Capital, and Community: Trade Ceramics, Settlement Patterns, and Continuity throughout the Demise of Angkor
- 10:30 Tiago Attorre and Sarah Klassen—Koh Ker Archaeological Project: Remote Sensing of the Inner Courtyard at Prasat Thom
- 10:45 Francis Allard and Lauren Glover—Stone Beads along the Maritime Silk Route: A View from Hepu's Han Dynasty Burials
- 11:00 Roland Fletcher—Discussant
- 11:15 Questions and Answers

[29] SYMPOSIUM ■ PEOPLE AND SPACE: DEFINING COMMUNITIES AND NEIGHBORHOODS WITH SOCIAL NETWORK ANALYSIS

Room: 12A (ACC)

Time: 9:00 a.m.–11:45 a.m.

Chairs: Adrian Chase and April Kamp-Whittaker

Participants:

- 9:00 Adrian Chase—Reconstructing and Testing Neighborhoods at Caracol, Belize
- 9:15 Jessica Vavrasek and John Hart—Pottery and Pipes, What Are They Trying to Tell Us? Interaction between Jefferson County Iroquoians Explored through Social Network Analysis of Pottery and Pipe Motifs
- 9:30 Neill Wallis and Thomas Pluckhahn—Understanding Multi-Sited Woodland Communities of the American Southeast through Categorical Identities and Relational Connections
- 9:45 Amy Thompson, Luis Pacheco-Cobos, Estrella Chévez and Keith Prufer—Social Network Analysis and Neighborhoods among the Classic Period Maya of Uxbenká and Ix Kuku'il, Southern Belize

- 10:00 Elliot Blair—Making Community at Mission Santa Catalina de Guale: A Social Network Analysis of Population Aggregation in Seventeenth-Century La Florida
- 10:15 Questions and Answers
- 10:30 April Kamp-Whittaker—Are Communal Facilities Indicators of Neighborhoods? Applying Network Data to a WWII Japanese American Incarceration Center
- 10:45 Matt Peebles—Networks, Community Detection, and Critical Scales of Interaction in the U.S. Southwest/Mexican Northwest
- 11:00 Jessica Munson—Living on the Edge: Alternative Network Models for Socio-spatial Analysis in Archaeology
- 11:15 Mark Golitko—What Do Archaeological Networks Reveal? Comparing New Guinean Material Culture with Ethnographic Network Structure
- 11:30 Barbara Mills—Discussant

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

Room: 18D (ACC)

Time: 9:00 a.m.–11:45 a.m.

Chairs: Adam Burke and Nathaniel Kitchel

Participants:

- 9:00 Ross Owen—Scratching the Surface: A Pilot Study of the Lithic Sourcing Potential of South Mountain Rhyolite
- 9:15 James Dunbar and Jessica Cook-Hale—Corrosion and Weathering in Lithics from Submerged Contexts: Problems, Potentials, and Future Ways Forward
- 9:30 Khori Newlander—Sourcing Chert Artifacts in East-Central Pennsylvania
- 9:45 Paul Fernandes, Vincent Delvigne and Jean-Paul Raynal—“I’ve been havin’ some hard travelin’ . . .”: Using the Evolutionary Chain Concept in a Dynamical Approach
- 10:00 Angela Gore—Mapping the Lithic Landscape: Alluvial Adventures and Geochemical Characterization in the Nenana Valley, Alaska
- 10:15 Adam Burke—The More the Merrier: Using a Suite of Analytical Techniques to Arrive at Reliable Chert Ascription
- 10:30 Ryan Parish and Brian Rowe—Sourcing the Sacred: Provenance of Chert Mortuary Discs at the Hopewell Site
- 10:45 Nathaniel Kitchel—Getting It Right for the Wrong Reasons: Using ED-XRF to Characterize Red Munsungun Chert
- 11:00 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
- 11:15 Matthew Boulanger—Lithic-Sourcing at the Crossroads: Lessons from a Half Century of Provenance Studies
- 11:30 Jeffrey Ferguson—Discussant

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

Room: Ballroom E (ACC)

Time: 10:00 a.m.–12:00 p.m.

Moderator: Alice Kehoe

Participants:

- Susan Chandler—Discussant
- Anabel Ford—Discussant
- Bonnie Pitblado—Discussant

- [32] FORUM ■ COLLABORATIVE VIRTUAL SURVEY IN THE ANDES: THE GEOSPATIAL PLATFORM FOR ANDEAN CULTURE, HISTORY, AND ARCHAEOLOGY**
Room: 16B (ACC)
Time: 10:00 a.m.–12:00 p.m.
Moderators: Steven Wernke and Parker VanValkenburgh

Participants:

Scotti Norman—Discussant
 Giancarlo Marcone—Discussant
 Lauren Kohut—Discussant
 Douglas Smit—Discussant
 Edward Swenson—Discussant
 Elizabeth Arkush—Discussant
 Sofia Chacaltana-Cortez—Discussant
 Giles Spence Morrow—Discussant
 Veronica Ikeshoji-Orlati—Discussant

- [33] SYMPOSIUM ■ COMPARING AQUATIC AND TERRESTRIAL TRANSPORT SYSTEMS IN ANCIENT CIVILIZATIONS**
Room: 11AB (ACC)
Time: 10:15 a.m.–12:00 p.m.
Chairs: Adam Green, Toby Wilkinson and Darryl Wilkinson

Participants:

- 10:15 Toby Wilkinson, Darryl Wilkinson and Adam Green—A Triadic Model for Transportation in Ancient Civilizations
 10:30 Adam Green, Darryl Wilkinson and Toby Wilkinson—The Impacts of Triadic Processes on the Diverse Social Trajectories of Ancient Civilizations
 10:45 Helina Woldekiros—Donkeys, Mules, Camels, and Caravans: Aksumite (400 BC–900 CE) Terrestrial Transport System in Northern Ethiopia
 11:00 Michelle de Gruchy—Mobility Patterns across Mesopotamia from the Fourth to First Millennia BC
 11:15 Meghan Howey and Dylan Kelly—High Risks for High Rewards: Modeling Early Seventeenth-Century Aquatic Transport Suitability in the Great Bay Estuary, New England
 11:30 Jeffrey Glover and Dominique Rissolo—Assessing Terrestrial and Aquatic Trade Routes in the Maya Area: A View from the Yucatán's North Coast
 11:45 Vernon Scarborough—Discussant

- [34] POSTER SESSION ■ MESOLITHIC, NEOLITHIC, CHALCOLITHIC**
Room: Exhibit Hall 4 (ACC)
Time: 10:30 a.m.–12:30 p.m.

Participants:

- 34-a Kai Su—A Chronology for Moat Construction and Sedimentation at Chengziya, a Late Neolithic Urban Settlement in Eastern China
 34-b Iride Tomazic—Sick in the Swamp: Societal Relations and Disease in the Middle Copper Age Cemetery of Podlokanj Nove Bašte, Serbia
 34-c Corinne Watts—Monuments as Assemblages: Case Study at Falkner's Circle (Wiltshire, U.K.)
 34-d Célia Gonçalves, Claudia Umbelino, João Cascalheira, Lino André and Nuno Bicho—Recent Evidence on the Human Burial Practices at the Mesolithic Shell Midden of Cabeço da Amoreira (Muge, Portugal)

- 34-e João Cascalheira, Célia Gonçalves, Lino André and Nuno Bicho—Functionality and the Spatio-Temporal Variability of a Shell Midden: Insights from Cabeço da Amoreira (Muge, Portugal)
- 34-f William Ridge—Where Did You Go? Possible Depopulation during the Copper Age in Eastern Hungary

[35] POSTER SESSION ■ BRONZE AGE AND IRON AGE ARCHAEOLOGY

Room: Exhibit Hall 4 (ACC)

Time: 10:30 a.m.–12:30 p.m.

Participants:

- 35-a Neal Payne—Investigating Identity through the Regional Foodscapes of Roman Britain
- 35-b Victoria Priola, Margaret Beck, Luis Benítez de Lugo and Katina Lillios—Vessel Form and Paste Recipe: Ceramics from Castillejo del Bonete, Spain (2465–1565 cal BCE)
- 35-c Katherine Pompeani—Using Multiscalar Patterning to Identify Social Relationships in a Large Bronze Age Cemetery
- 35-d Jada Langston, Colin Quinn, Lacey Carpenter and Horia Ciugudean—Interaction, Integration, and Inequality: Geospatial Analyses of Bronze Age Settlement Networks in Southwestern Transylvania
- 35-e Gligor Dakovic—Long-term Social Processes and Demographic Dynamics of the Early Bronze Age (2800–1700 BC) in the Northern Banat Region of Serbia
- 35-f Vivienne Hayes, Colin Quinn, Jess Beck and Horia Ciugudean—Place as Identity: A Diachronic Analysis of People and Mountain Landscapes in the Romanian Bronze Age
- 35-g Emily Zavodny, Dalibor Šušnjic, Tatjana Kolak and John Krigbaum—Risk and Reward in the Late Bronze Age: Preliminary Faunal and Isotopic Results from Excavations at the Piplica Hillfort in Lika, Croatia
- 35-h Alexander Smith, Linda Gosner, Jessica Nowlin, Seth Price and Catalina Mas-Florit—Multi-Scalar Survey in Agrarian Sardinia: Results from the 2019 Season of the Sinis Archaeological Project (Sardinia, Italy)
- 35-i Jacob Cook, Nicholas Herrmann and Krysten Cruz—The Applicability of 3D Long Bone Reconstructions and Analyses of Sexual Dimorphism using Stature in Bronze Age Samples
- 35-j 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
- 35-k Christopher Stevenson—Early Bronze Age Site Location in the Republic of Armenia: A Predictive Model
- 35-l Sara Berumen, Meredith Chesson and Susan Sheridan—Uncharted Territory in Emerging Urbanism: Gender, Life Course, and Lived Experience of Urbanizing People Buried in Charnel House A56, Bab adh-Dhra', Jordan
- 35-m Qi Meng—The Development of Regional Imbalance in Prehistoric Xinjiang: Indication of the Burial Records
- 35-n Yufeng Sun, Xinyi Liu, Rachel Reid, Zhijun Zhao and Jixiang Song—Plant Stable Isotopic Analysis Reveals the Water Management Strategies of Wheat and Barley Cultivation in the Bronze Age China

[36] POSTER SESSION ■ PALEOLITHIC ARCHAEOLOGY

Room: Exhibit Hall 4 (ACC)

Time: 10:30 a.m.–12:30 p.m.

Participants:

- 36-a Cindy Hsin-yee Huang—An ABM for the IUP in NEA? An Agent-Based Model for the Spread of the Initial Upper Paleolithic in Northeast Asia
- 36-b Paul Thacker—Cobbles that Complicate: Sourcing Studies and Secondary Lithic Raw Material Sources
- 36-c Frederick Coolidge and Victoria Rowe—A New Interpretation of Symbolic Thinking in Archaeological Artifacts
- 36-d Aylar Abdolazadeh, Dennis Sandgathe, Deborah. I Olszewski and Shannon McPherron—Does the Southwest France Pattern of Neanderthal Fire Use Exist across Europe?
- 36-e Benjamin Utting—Exploring Prehistoric Technology at the Trảng An Landscape Complex, Vietnam
- 36-f Grace Ellis, Jonathan Haws, Michael Benedetti and Lukas Friedl—Middle Paleolithic Human Occupation in Level JJ at Lapa do Picareiro, Portugal
- 36-g Juliana Rubinatto Serrano and Paul Thacker—Eagle Owl Prey Assemblages and Biostratigraphic Processes: The Archaeological Implications of Dispersal, Transport, and Time Averaging
- 36-h Zachary Boal and Paul Thacker—Magdalenian Technology and Raw Material Economy at Espadanal, Portugal
- 36-i Lauren Franklin, Jay Franklin and Jean-Philippe Rigaud—A Closer Look at Gravettian Technological Variation in Dordogne, France
- 36-j Jordan Durham, Elizabeth Hagan and Amanuel Beyin—Evaluating the Performance of Hand-Thrown Spears Experimentally by Controlling Shaft Length
- 36-k Ran Chen and Yue Wu—Beyond Projectiles: Experimental Study of Microblades as Cutting Tools
- 36-l Trenton Holliday, Christelle Lahaye, Maxime Pelletier, Brice Lebrun and Guillaume Guérin—The French Mousterian site of Regourdou: First Synthesis of Different Absolute Dating Investigations
- 36-m Milena Carvalho, Grace Ellis and Jonathan Haws—Subsistence and Site Formation Processes during the Early Upper Paleolithic at Lapa do Picareiro: A Study of Faunal Remains Recovered at the Sieve
- 36-n Paul Nick Kardulias, Konstantinos Trimmis, Stavros Paspalas, Lita Tzortzopoulou-Gregory and Timothy Gregory—Quartz Artifacts from Kythera, Greece, and Human Migration in the Aegean during the Paleolithic
- 36-o Amy Oechsner, Nicholas Conard and Simone Riehl—Digging Deeper: A Preliminary Report on the Carpological Analysis of the Middle Stone Age Layers G through A of Sibudu Cave, KwaZulu-Natal, South Africa
- 36-p Tianxu Wei, Chunxue Wang, Jixiang Song, Jiabin Dou and Jiaqi Wang—Many Late Paleolithic Sites Have Been Found in Suifen River Basin

[37] POSTER SESSION ■ ARCHAEOLOGY AT WAY RANCH: A DIVERSITY-SERVING FIELD SCHOOL

Room: Exhibit Hall 4 (ACC)

Time: 10:30 a.m.–12:30 p.m.

Chair: Ashley Lemke

Participants:

- 37-a Phylicia Way, Abigail Key and Jessica Smith—Archaeology at Way Ranch: A Multicomponent Site in Central Texas
- 37-b Jennifer Anderson, Natalie Bauman and Madison Roberts—Shovel Testing as a Hypothesis Testing Tool
- 37-c Brendan Nash, Michael Rivera and Miranda Berry—Analysis of the Late Archaic Lithic Assemblage from Way Ranch
- 37-d Alanis Ramos Berrios, Beatrice Lozano and Robert Lassen—A “Young” Ultrathin Biface: Comments on Paleoindian Lithic Technology

- 37-e Yu-chao Zhao, Justin Elliot Jones and Thomas Schloeman—Global Comparison of High-Quality Stone Tools in Historic Time Periods: Examples from Texas and Tibet

[38] POSTER SESSION ■ HUMAN ORIGINS MIGRATION AND EVOLUTION RESEARCH CONSORTIUM

Room: Exhibit Hall 4 (ACC)

Time: 10:30 a.m.–12:30 p.m.

Chairs: Jayde Hirniak and Hannah Keller

Participants:

- 38-a Kelsey Radican, Alejandra May, Jennifer Miller, Jessica Thompson and Elizabeth Gomani-Chindebvu—Bead Production of the Later Stone Age in Northern Malawi
- 38-b Annalys Hanson, Jessica Thompson, Jessica Cerezo-Román, Jay Stock and Elizabeth Gomani-Chindebvu—Mortuary Practices of Later Stone Age Hunter-Gatherers in Northern Malawi
- 38-c Hannah Keller, Fabio Negrino, Naomi Cleghorn and Jamie Hodgkins—A Taphonomic Comparison of Two Late Pleistocene Zooarchaeological Assemblages in Northwest Italy and the Western Cape of South Africa
- 38-d Brian Fahey, Kelsi Stroebel, Olivia Boss and Curtis Marean—Systematic Differences in Sieved and Point-Provenienced Fauna Ecofacts from PP5-6, South Africa
- 38-e Peyton Carroll, Miles Martin, John Murray and Curtis Marean—Comparing Piece-Plotted and Sieved Stone Artifacts from the Middle Stone Age Site Pinnacle Point 5-6 and Its Implications for Interpreting Human Behavior
- 38-f Miles Martin, John Murray, Jacob Harris and Curtis Marean—Heat Treatment of Silcrete during MIS 5 to 4 Transition at Pinnacle Point, South Africa
- 38-g John Murray, Scott Keohane and Andrew Zipkin—Experimental Identification of Heat-Treated Silcrete Using Colorimetry and Reflectance Spectrophotometry
- 38-h Horacio Cabadas, Kelsi Stroebel, Claudine Gravel-Miguel and Jayde Hirniak—Testing the Adaptability of Photography Methods in Various Archaeological Contexts

[39] GENERAL SESSION ■ INAA ANALYSES IN CENTRAL AND NORTH AMERICA

Room: 15 (ACC)

Time: 11:00 a.m.–12:00 p.m.

Chair: Dawn Crawford

Participants:

- 11:00 Dawn Crawford, Michael Callaghan, Daniel Pierce, William Gilstrap and Brigitte Kovacevich—Ceramic Production during the Terminal Classic at Holtun, Guatemala
- 11:15 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
- 11:30 Sarah Breault, Jeffrey Blomster, Daniel Pierce and Michael Glascock—Local and Imported Ceramics from a Feasting Assemblage at Etlatongo: Preliminary INAA Results
- 11:45 Ana Navas—Compositional and Technological Analysis of Panamanian Colonial Utilitarian Wares

Thursday Afternoon ■ April 23, 2020

[40A] THE ETHICS BOWL**Room:** 406 (H)**Time:** 1:00 p.m.–3:00 p.m.**[40] SYMPOSIUM ■ LATE PALEOINDIAN LIFEWAYS AND PALEOENVIRONMENT IN THE TEXAS BIG BEND****Room:** Salon J (H)**Time:** 1:00 p.m.–2:15 p.m.**Chair:** Richard Walter**Participants:**

- 1:00 Richard Walter and Andy Cloud—Excavations at the Genevieve Lykes Duncan Site: Exploring the Character of Late Paleoindian Deposits in the Big Bend Region of the Chihuahuan Desert
- 1:15 Charles Frederick—Latest Pleistocene to Middle Holocene Environmental Change along Terlingua Creek: Geological Context of the Lykes Duncan Site
- 1:30 Thomas Hart, Arlene Rosen and Richard Walter—Late Paleoindian Plant Use and Foodways at the Genevieve Lykes Duncan Site, Texas: Phytoliths, Starch Grains, and Calcium Oxalate Evidence
- 1:45 Kenneth Brown—Sampling for Snails at Genevieve Lykes Duncan
- 2:00 Stephen Black—Discussant

[41] SYMPOSIUM ■ INDIGENOUS ARCHAEOLOGY, THE SEVENTH GENERATION**Room:** 14 (ACC)**Time:** 1:00 p.m.–2:30 p.m.**Chairs:** Emily Van Alst and Carlton Gover**Participants:**

- 1:00 Carlton Gover and Emily Van Alst—Seventh-Generation Indigenous Archaeology in the Twenty-First Century
- 1:15 Wade Campbell, Davina Two Bears and Timothy Wilcox—A Diné Analysis of the Praxis of Indigenous Archaeology and the Reclamation of Tribal Histories
- 1:30 Ashleigh Thompson—Nishnaabewin, Storywork, and Ojibwe Theory: A Contribution to Ojibwe and Indigenous Archaeology
- 1:45 Lydia Curliss—Collaborations between Academic Libraries and Archives for the Support of Indigenous Archaeology and Cultural Resource Management
- 2:00 Zoe Eddy—Indigenous Archaeology, the Seventh Generation
- 2:15 Nicholas Laluk and Robert Preucel—Pragmatism in Native North American Archaeology

[42] SYMPOSIUM ■ NEW INSIGHT INTO THE QIN TERRACOTTA ARMY AND EARLY IMPERIAL CHINA**Room:** 15 (ACC)**Time:** 1:00 p.m.–2:30 p.m.**Chairs:** Xiuzhen Li and Andrew Bevan**Participants:**

- 1:00 Xiuzhen Li, Andrew Bevan, Yin Xia and Marcos Martín-Torres—New Insight into the Terracotta Army: Archaeological Discoveries and Post-excavation Research

- 1:15 Marcos Martinón-Torres, Xiuzhen Li, Yin Xia, Agnese Benzonelli and Andrew Bevan—"Anti-rust" Surface Chromium on the Qin Terracotta Army Bronze Weapons: New Research and Implications
- 1:30 Kin Sum Li—Attaining Accuracy and Precision of Measuring Containers in the Qin Dynasty
- 1:45 Yaxiong Liu, Marcos Martinón-Torres and Kunlong Chen—Iron Production in State of Qin during Warring States Period: Exploration of the Technology and Its Social Impact
- 2:00 Sihong Zhu—Study on Adhesive Material Used for Restoration of the Qin Terracotta Warriors
- 2:15 Andrew Bevan—Discussant

[43] FORUM ■ TRIUMPHS, CHALLENGES, AND POSSIBILITIES IN HERITAGE EDUCATION

(Sponsored by The Heritage Education Network [THEN])

Room: 18D (ACC)

Time: 1:00 p.m.–3:00 p.m.

Moderators: Eleanor King and Bonnie Pitblado

Participants:

- Allison Douglas—Discussant
A. Gwynn Henderson—Discussant
Michele Koons—Discussant
Rebecca Simon—Discussant
LaMarise Reid—Discussant
Ian Thompson—Discussant

[44] FORUM ■ FOSTERING COLLABORATIVE PARTNERSHIPS WITH TRIBES: A DIFFERENT WAY OF THINKING

Room: 16A (ACC)

Time: 1:00 p.m.–3:00 p.m.

Moderator: Richard Estabrook

Participants:

- Carolyn Stewart—Discussant
Jon Eagle—Discussant
Dianne Desrosiers—Discussant
Jeremy Freeman—Discussant
Melinda McCarthy—Discussant
Paige Olson—Discussant
Stephen Sabatke—Discussant

[45] SYMPOSIUM ■ ARCHAEOLOGICAL APPROACHES TO TECHNOLOGIES IN EAST ASIAN ARCHAEOLOGY

Room: 17B (ACC)

Time: 1:00 p.m.–3:00 p.m.

Chair: Rowan Flad

Participants:

- 1:00 Yahui He—Food Processing Technologies in Early Neolithic Northern Zone, China: Preliminary Study on Microbotanical Residues at the Sites of Yumin and Simagou
- 1:15 Chong Yu—Fishing in Neolithic South China: The Case Study of Guye, Guangdong

- 1:30 Shaodong Zhai, Guitao Tang, Wei Ge, Wanfa Gu and Qian Wu—Economic Practices Reflected from the Unearthed Lithic Objects at the Huadizui Site, Central China
- 1:45 Jiajing Wang—Grinding Stones and Human Domestication
- 2:00 Questions and Answers
- 2:15 Li Haichao—Preliminary Study of the Bronze Production in the Western Zhou Dynasty
- 2:30 Wenjie Zhang—The Music of the Zeng State based on New Archaeological Findings
- 2:45 Kasper Hanus—Water Technologies as a Social Change Facilitator

[46] SYMPOSIUM ■ ARCHAEOLOGISTS SPEAK: OUR MOST CRITICAL INSIGHTS**Room:** Ballroom G (ACC)**Time:** 1:00 p.m.–3:00 p.m.**Chairs:** Sarah Kurnick and Chelsea Fisher**Participants:**

- 1:00 Bonnie Clark—It's Not about the Past
- 1:15 Matt Liebmann—We've Been Asking the Wrong Questions about Early America
- 1:30 Sarah Kurnick—How Marginalized Voices Are Rewriting History
- 1:45 Payson Sheets—Come On, Mayanists, Let's Go for the 99%
- 2:00 Chelsea Fisher—Pushing Back against the Greenwashed Agricultural Past
- 2:15 Brian Fagan—Where the Cow Sleeps, or How I Learned about Life in the African Past
- 2:30 Amanda Logan—Food Security in Africa's Past Holds Lessons for African Futures
- 2:45 Timothy Pauketat—Looking to the Heavens to Rediscover the Human Element

[47] SYMPOSIUM ■ ART STYLE AS A COMMUNICATIVE TOOL IN ARCHAEOLOGICAL RESEARCH**Room:** 19B (ACC)**Time:** 1:00 p.m.–3:30 p.m.**Chairs:** Jesse Nowak, Frank Reilly and Adam King**Participants:**

- 1:00 Carol Diaz-Granados and James Duncan—The Braden Art Style: Its Shadowy Beginnings in Dark Zone Cave Art
- 1:15 Frank Reilly—From Cave Mouth To Temple Door
- 1:30 Bobi Deere and Jesse Nowak—Heavens on Earth: Cave Imagery and the Legacies of Mississippian Ceremonialism
- 1:45 John Stauffer—The Disintegration of Style and Memory: Mound 3 Assemblages at the Lake Jackson Site, Florida
- 2:00 Erin Phillips—Moundville's Hemphill Style Phases
- 2:15 Paige Ford and Shawn Lambert—Who Is Making These Pots? Stylistic and Iconographic Analyses of Early Caddo Fineware Pottery from Cahokia
- 2:30 John Wilhite—An Iconographic Analysis of Negative Painted Effigy Bottles at Tyler Mound
- 2:45 Theodore Kmiec—Kings, Gods, and the Cosmos: A Revisitation of Olmec Monumental Art Styles
- 3:00 Adam King and Johann Sawyer—Pipes, Pots, and Swirling Poles (Oh My!): Centered Worlds and the Legacy of First Man
- 3:15 James Brown—A Brief History of Mississippian Period Art Styles in the American Southeast

[48] SYMPOSIUM ■ REGIONAL SETTLEMENT NETWORKS ANALYSIS: A GLOBAL COMPARISON

Room: 16B (ACC)

Time: 1:00 p.m.–3:30 p.m.

Chairs: Marco Nebbia and Roland Fletcher

Participants:

- 1:00 Michael Frachetti, Edward Henry and Ann Merkle—Nomadic Cities and Network Modularity: Scalar Analysis in Ancient Urbanism and Social Connectivity
- 1:15 Marco Nebbia—Trypillia Mega-Site Networks: Understanding the Centrality of the Largest Settlement in Fourth Millennium BC Europe
- 1:30 Manuel Fernandez-Gotz—Oscillating Settlement Networks: Aggregation and Dispersion in Iron Age Central Europe
- 1:45 Tom Moore—From Household to Kingdom: The Emergence of Centrality in the Social and Settlement Networks of Later First Millennium BC Western Europe
- 2:00 Cameron Petrie and Adam Green—Cities, Towns, and Villages in the Diverse Environments of the Indus Civilization
- 2:15 Phacharaphorn Phanomvan—The Missing Big Picture: Settlement Size and Patterns in Western Mainland Southeast Asia during the First Millennium CE
- 2:30 Francesca Fulminante, Luce Prignano, Sergi Lozano and Ignacio Morer—“All roads lead to Rome” but Where Did They Come From? Analyzing Regional Network Systems in Iron Age Central Italy
- 2:45 Andrew Bevan—Computational Models of Human Settlement Behavior: An Overview of Current Methods and Motivations
- 3:00 Roland Fletcher—Urban Network Resilience and Fragility
- 3:15 Scott Ortman—Discussant

[49] SYMPOSIUM ■ WHOSE HISTORY IS IT ANYWAY? ARCHAEOLOGICAL COLLECTIONS AND THE PROBLEM OF INSTITUTIONAL CONTROL

Room: 13AB (ACC)

Time: 1:00 p.m.–3:45 p.m.

Chairs: Jayne-Leigh Thomas and Krystiana Krupa

Participants:

- 1:00 Rebecca Hawkins and Julie Olds—Lost (and Found) in Translation: Successfully Navigating the Culturally Foreign NAGPRA Process
- 1:15 David Barland-Liles—The Power, Process, and Practicality of Tribal Monitoring of Federal Criminal Investigations
- 1:30 Karen Brunso—Control Alt Repatriate: Using NAGPRA CUI Regulations to Regain Our Culture
- 1:45 Jayne-Leigh Thomas, Rebecca Hawkins and Krystiana Krupa—Giving False Voice: The Far-Reaching Impacts of Closeted Data and an Erroneous “Scientific” Narrative
- 2:00 Andrea Hunter—A View from the Osage Nation
- 2:15 Franklin Chavez—Archaeological Collections and the Problem of Institutional Control
- 2:30 Krystiana Krupa—Ancestors Cannot Give Consent: The Need for Consultation in Ancient DNA
- 2:45 Lourdes Henebry-DeLeon and Angela Neller—At the Table Together: Including Tribes in the Lab from Inventory to Cultural Affiliation
- 3:00 Angela Neller and Lourdes Henebry-DeLeon—The Time Is Now: Ethics, Inclusivity, and Relationships in Archaeological Practice
- 3:15 Questions and Answers
- 3:30 C. Timothy McKeown—Discussant

- [50] SYMPOSIUM ■ SOCIAL ARCHAEOLOGY IN THE NORTH AND NORTH ATLANTIC (SANNA 3.0): INVESTIGATING THE SOCIAL LIVES OF NORTHERN THINGS**
Room: 19A (ACC)
Time: 1:00 p.m.–4:00 p.m.
Chairs: Kevin Smith, Michele Hayeur Smith and Elie Pinta

Participants:

- 1:00 Elie Pinta—Woodworking Strategies in Norse Greenland: Resources, Production, and Trade Patterns
 1:15 Lísabet Guðmundsdóttir—Driftwood, a Lifeline in the Arctic: Production of Artifacts from Driftwood in NW Iceland and Norse Greenland
 1:30 Aliosha Bielenberg, Charles Steinman, Soumen Mallick and Michele Hayeur Smith—The North Atlantic Wool Trade, ca. 1000–1400: A Strontium Isotope Approach
 1:45 Michele Hayeur Smith—Invisible Women in a World of Men: The Textile Trade in the North Atlantic AD 1000–1600
 2:00 Neil Price—Women . . . and Weapons? Debating Viking Age Gender in 2020
 2:15 Kevin Smith and Guðmundur Ólafsson—Of Monsters and Men: Using Material Culture to Track Movement and Symbolism inside Surtshellir, a Western Icelandic Viking Age Ritual Site
 2:30 Véronique Marengère, Kevin Smith and James Woollett—What Does a Fire Giant Eat? A Zooarchaeological Analysis of Surtshellir’s Burnt Faunal Remains
 2:45 Karen Ryan, Elsa Cencig, Susan Lofthouse and Tommy Weetaluktuk—The Social Lives of the Qajartalik Petroglyphs
 3:00 Cameron Turley, Aká Bendtsen and Wendi Coleman—The Alluitsoq Project: Early Results from a Collaborative, Community-Based Archaeological Research Program in South Greenland
 3:15 James Woollett and Héroïse Barbel—From Omajuk to NiKik: The Variable Transformation of Animals into Social Things among the Historic Period Labrador Inuit
 3:30 William Fitzhugh, Michael Mlyniec and Igor Chechushkov—More Than Just a Pot: The Social Life of Soapstone Vessels among the Southern Labrador Inuit
 3:45 Questions and Answers

- [51] SYMPOSIUM ■ ETRUSCAN CENTRALIZATION TO MEDIEVAL MARGINALIZATION: SHIFTS IN SETTLEMENT AND MORTUARY TRADITIONS AT SAN GIULIANO, ITALY**
Room: 18B (ACC)
Time: 1:00 p.m.–4:00 p.m.
Chair: Colleen Zori

Participants:

- 1:00 Davide Zori—The San Giuliano Archaeological Research Project: New Interdisciplinary Archaeology in Central Italy
 1:15 Colleen Zori—Life and Death in Medieval San Giuliano (Lazio, Italy)
 1:30 Lauren Sides—Visibility and Collective Memory on the San Giuliano Landscape
 1:45 Emily Varley—Analysis of the Fortification of San Giuliano in Lazio, Italy
 2:00 Jamie Aprile—Looters Can’t Steal Everything: Salvage Archaeology at the San Giuliano Necropolis
 2:15 Martin Gallagher—Road Survey in the Environs of San Giuliano
 2:30 Anna Gibbs—A Study of Medieval Intrasite Find Distribution on the San Giuliano Plateau
 2:45 Deirdre Fulton—Faunal Remains from Medieval San Giuliano Plateau
 3:00 Veronica Ikeshoji-Orlati—The San Simone Tombe a Fossa: Preliminary Analysis of Four Early Seventh-Century BCE Villanovan Funerary Assemblages

- 3:15 Lauren Jones, Anna Linderholm, Lori Baker, Colleen Zori and Davide Zori—Ancient DNA from Etruscan Tombs and Beyond: Case Study from San Giuliano
- 3:30 Lori Baker—Osteological Analysis of Two Contemporary Tombs from the San Giuliano Necropolis
- 3:45 Vaughan Grimes, Deirdre Fulton, James Fulton, Davide Zori and Colleen Zori—Preliminary Isotope Evidence for Animal Husbandry and Transhumance during the Medieval Period at the San Giuliano Acropolis, Italy

[52] SYMPOSIUM ■ CULTURAL RESOURCE MANAGEMENT ACROSS THE DOD

(Sponsored by Military Archaeological Resources Stewardship)

Room: 18A (ACC)

Time: 1:00 p.m.–4:15 p.m.

Chairs: James Eschenbrenner, Jake Fruhlinger and Alexander Woods

Participants:

- 1:00 Jake Fruhlinger—Progressive Methods in Building Tribal Relationships
- 1:15 James Eschenbrenner—Recording Trash: Validating the Analysis of Trash Dumps and Stopping Them in the Future
- 1:30 Alexander Woods—A Comparative Analysis of CRM Work Experiences on DoD Installations
- 1:45 Tessa Amend—A Low-Impact Archaeological Site Protection Plan for the Orchard Combat Training Center
- 2:00 Christopher Parr—“Well, We Found a Site . . . Now What?” Monitoring Cultural Resources at Virginia Army National Guard Facilities
- 2:15 Kristen Mt. Joy—Integrated Cultural Resource Management Plans: Dream versus Reality
- 2:30 Shaun Nelson, Ephriam Dickson and Jane Stone—Camp Floyd: Cornerstone of Utah’s Military Cultural Landscape
- 2:45 Rita McCarty—Using Nonintrusive Technology to Identify Buried Subsurface Cultural Resources at Camp Shelby, MS
- 3:00 Dougless Skinner, Whitney McLaren, Barrett Flynn and Julie Esdale—A Look into Modern and Prehistoric Land Use on Army Managed Lands in Alaska
- 3:15 Teresa Gregory—Arizona’s Plan for Tracking, Organizing, and Storing Federally Protected Cultural Resource Management Data to Ensure Mission Readiness
- 3:30 Reymundo Chapa—Discussant
- 3:45 Rita McCarty—Discussant
- 4:00 Questions and Answers

[53] SYMPOSIUM ■ MAYA RITUAL IN ECONOMIC AND SOCIAL EXPRESSION: EVIDENCE FROM THE THREE RIVERS REGION

Room: Salon F (H)

Time: 1:00 p.m.–4:15 p.m.

Chairs: Rissa Trachman and Fred Valdez Jr.

Participants:

- 1:00 Fred Valdez Jr. and Rissa Trachman—Contextualizing Maya Ritual: NW Belize and Neighbors
- 1:15 Stacy Drake, Lauri Thompson and Julie Saul—Exploring Ritual through Mortuary Practices and Community Influence on Burials from Northwest Belize
- 1:30 Lauri Thompson and David M. Hyde—Evidence for Ritual Use at Two Hinterland Shrines at the Medicinal Trail Community
- 1:45 Robyn Dodge—Household Ritual Expression at Hun Tun
- 2:00 Laura Levi—From Temple to Polity: Wari Camp’s Classic Period Political Landscape

- 2:15 Patricia Neuhoﬀ-Malorzo—New Geophysical Survey Data from Tzak Naab
 2:30 Zachary Stanyard, Phoebe Fairbairn, Lauren Sullivan and Fred Valdez Jr.—
 Ritual Assumptions and Practical Implications of Problematic Deposit NC-1 at
 the Site of Las Abejas, Belize
 2:45 Rissa Trachman, Jacob Canterbury and Daniel Conley—The Essentiality of
 Ancient Maya Ritual to the Economic and Social: Evidence from the Site of Dos
 Hombres, Belize
 3:00 Stanley Walling, Jonathan Hanna, Christine Taylor and Shawna Veach—Intra-
 and Intersite Commoner Ritual in the Río Bravo Basin, Northwestern Belize
 3:15 Spencer Mitchell, Marisol Cortes-Rincon, Cady Rutherford, Jonathan Roldan
 and Jeremy McFarland—Ritual Deposits of N950: A Ritual Site in the
 Hinterlands of Dos Hombres, Belize
 3:30 Eleanor King and Michael Brennan—Practical Pathways: Limestone
 Procurement and Ritual at Maax Na, Belize
 3:45 Claire Novotny and Brett Houk—Patolli and Ancient Maya Ritual Expression at
 Gallon Jug, Belize
 4:00 Manda Adam—Postclassic Ritual Deposits in Northwest Belize

[54] SYMPOSIUM ■ ANCIENT MAYA EMBEDDED ECONOMIES**Room:** Salon G (H)**Time:** 1:00 p.m.–4:15 p.m.**Chairs:** Bernadette Cap and Rachel Horowitz**Participants:**

- 1:00 Bernadette Cap and Rachel Horowitz—Embedded Ancient Maya Economies
 1:15 Diane Chase and Arlen Chase—Economy and Sociopolitical Change at Classic
 Period Caracol, Belize
 1:30 John Blitz and Lisa LeCount—Grinding It Out: Ancient Maya Embedded
 Economies and Changing Ground Stone Densities in Households at Actuncan,
 Belize
 1:45 Christina Halperin—Ancient Maya Recycling: Economic Logics and Embedded
 Histories of Spolia and Reuse
 2:00 Kitty Emery, Antonia Foias, Lisa Duffy, Sophie Reilly and Elizabeth Webb—
 Chocolate, Manioc, and Maize: Kante't'u'ul and Chachaklu'um in Motul de San
 José's Realm
 2:15 Alexandre Tokovinine—Discussant
 2:30 Elizabeth Paris, Roberto López Bravo and Gabriel Lalo Jacinto—Economic
 Integration across Political Boundaries in Highland Chiapas
 2:45 Juan Melendez and Emiliano Melgar—Approaching the Craft Production of
 Greenstone Tesserae that Form Ancient Maya Mosaic Masks from a
 Technological Perspective
 3:00 Barry Kidder and Scott Hutson—Social Marketing and Provisioning the
 Populace along an Intersite Sacbe in the Northern Lowlands during the Late
 Preclassic
 3:15 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
 3:30 Michael Callaghan and Brigitte Kovacevich—The Ancient Maya Economy: Dual?
 Integrated? Embedded? Or All of the Above?
 3:45 David Chicoine—Discussant
 4:00 Deborah Nichols—Discussant

[55] SYMPOSIUM ■ BAYESIAN ARCHAEOLOGY

(Sponsored by Quantitative Methods and Statistical Computing in Archaeology Interest Group)

Room: Ballroom F (ACC)

Time: 1:00 p.m.–4:15 p.m.

Chairs: Erik Otárola-Castillo and Jesse Wolfhagen

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 Sarah Coon, Jacob Harris, Zeresenay Alamseged, Curtis Marean and Erik Otárola-Castillo—Morphometric Comparison of Early Hominin Butchery Evidence to Carnivore Modifications within a Bayesian Framework
1:45 Matthew Harris and Matthew Jorgenson—A Probabilistic Machine Learning Approach to Modeling Uncertainty in Lithic Source Classification
2:00 Philip Hitchings and Edward Banning—The Use of Bayesian Allocation for the Optimization of Archaeological Survey Effort
2:15 Ian Jorgeson, Ryan Breslawski and Matthew Boulanger—A Bayesian Model for Dating Pipestems
2:30 James Karbula—A Critical Reevaluation of Radiocarbon Ages from the Berdoll Site (41TV2125), in Support of Refined Site Spatial and Contextual Analyses
2:45 Alejandra May, John Rapes, Ben Schiery and Erik Otárola-Castillo—The Effects of Human Predation and Climate Change on the Niche Space of North American Proboscideans
3:00 Gayoung Park and Ben Marwick—Approximate Bayesian Computing for Modeling Patterns of Cultural Transmission in the Late Paleolithic of Korea
3:15 Kevin Schwarz—Iterative Temporal Hygiene and Bayesian Analyses of Large Radiocarbon Datasets: The Impact of Kernel Density Estimation upon Clarifying Temporal Relationships among Woodland-period Phases, Middle Scioto Valley, Ohio
3:30 Li-ying Wang and Ben Marwick—Investigating Social Inequality Using Bayesian Inference for Network Analysis of Burials from Iron Age Northeast Taiwan
3:45 Jesse Wolfhagen—Discussant
4:00 Questions and Answers

[56] SYMPOSIUM ■ FEMALE FIRSTS: CELEBRATING ARCHAEOLOGY'S PIONEERING WOMEN ON THE 100TH ANNIVERSARY OF THE 19TH AMENDMENT

(Sponsored by History of Archaeology Interest Group)

Room: Ballroom E (ACC)

Time: 1:00 p.m.–4:30 p.m.

Chairs: Kelly Pool and Katie Kirakosian

Participants:

- 1:00 Melissa Darby—Zelia Nuttall and Drake's Dream
1:15 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
1:30 John Michael Garbellano—Changing Tides and Terrain: Dr. Mary Butler's Hudson Valley Archaeological Survey
1:45 Michaelyn Harle, Laura Smith, Suzanne Fisher and Heather Heart—Florence Hawley's Enduring Legacy in Southeastern Archaeology and Beyond
2:00 Lynne Goldstein and John Kelly—Harriet Smith, Educator and Archaeologist
2:15 Steven James—Two Pioneering California Women Archaeologists, 1940s to 1960s: Agnes Bierman Babcock and Freddie Curtis

- 2:30 Karen Smith—Celebrating the Design Work of Bettye J. Broyles
 2:45 Kelly Pool—Elizabeth Ann Morris: From Dishwasher to Digger to Professor
 3:00 Katie Kirakosian—Dena Dincauze: The Matriarch of New England Archaeology
 3:15 Mavis Greer and John Greer—Dr. Lynn Fredlund, Archaeologist of the
 Northwestern Plains
 3:30 Nancy Hoffman—Janet D. Spector
 3:45 Rebekah Mills, Rachel Brody, Valerie Watson, Lauren Brooks and Zoe Merod—
 Hidden Figures: The Women of Irish Archaeology
 4:00 Margaret Conkey—Discussant
 4:15 Questions and Answers

**[57] SYMPOSIUM ■ THE ROLE OF STORYTELLING AND COMMUNITY DIALOGUE WITHIN
 LATIN AMERICAN ARCHAEOLOGY**

Room: 18C (ACC)

Time: 1:00 p.m.–4:30 p.m.

Chairs: Tomás Gallareta Cervera and Maia Dedrick

Participants:

- 1:00 Tomás Gallareta Cervera—Documenting the Brigades: Oral History of Local
 Archaeology Experts in the Puuc Region, Yucatán, Mexico
 1:15 Maia Dedrick and Adolfo Batún Alpuche—Celebrating Local Knowledge in
 Tahcabo, Yucatán
 1:30 Francisco Fernandez-Repetto and Lilia Fernandez-Souza—Cultural Heritage,
 Storytelling, and the Intimate Museum: Digital Museum in San Antonio Sihó,
 Yucatán
 1:45 Sam Holley-Kline—Beyond Sites and Communities: GIS Counter-Mapping and
 Indigenous History in El Tajín, Mexico
 2:00 Kirby Farah—Persistent Pasts: The Impacts of Collaborative Archaeological
 Research on Local (Hi)stories at Xaltocan, Mexico
 2:15 Zachary Nissen—“Vertical Roots”: Inequality, Belonging, and Narratives of Place
 in Northern Belize
 2:30 Questions and Answers
 2:45 Anabelle Rodríguez—The Archaeology of the (In)visible: Local Expertise and
 Curatorial Agency at the Xunantunich Archaeological Reserve
 3:00 Franco Rossi and Heather Hurst—Communities and Concessions:
 Archaeological Storytelling and Public Engagement in a Biosphere Border Zone
 3:15 Florencio Delgado Espinoza—The Converted Looters and the Community
 Advocacy on the Development of Archaeological Research in Coastal Ecuador
 3:30 Douglas Smit and Charlotte Williams—Digital Storytelling and Dark Heritage:
 Presenting Photovoice in Huancavelica, Peru
 3:45 Amanda Brock and Rosario Beatriz Pajuelo Montes—Time Narratives of
 Community Relationships with the Archaeological Site of Tumshukaiko
 4:00 Quetzil Castañeda—Discussant
 4:15 Patricia McAnany—Discussant

**[58] SYMPOSIUM ■ EARLY CULTURAL RESOURCE MANAGEMENT FIRMS: VOICES FROM
 THE PAST AND PRESENT**

Room: 12B (ACC)

Time: 1:00 p.m.–4:30 p.m.

Chairs: John Douglass and Susan Chandler

Participants:

- 1:00 John Douglass and Susan Chandler—The Founding of Modern CRM
 Archaeology

- 1:15 Susan Chandler—The Role of Cultural Resource Management in Archaeological Research: A Case Study from the Western United States
1:30 Julia Costello—Foothill Resources
1:45 Jeffrey Altschul—The Once and Future Promise of CRM
2:00 W. Kevin Pape—The Art of Mid-Air Construction: Building and Sustaining the Business of CRM through the Lens of Gray & Pape Inc.
2:15 Charles Niquette—The Founding of Cultural Resource Analysts Inc.
2:30 Donald Weir—Forty-Four Years of Doing Cultural Resources Management
2:45 Kelly McGuire—The 40-Year Ride: Far Western Anthropological Research Group and the Past, Present, and Future of CRM
3:00 William Doelle—Unfinished Business: Facilitating Synthetic Research by Expanding Access to Digital Databases
3:15 Shelly Davis-King—Who Wudda Thunk CRM Could Be Profitable? One Woman’s Desire to Put Culture into Cultural Resource Management
3:30 T. J. Ferguson—Discussant
3:45 J. Joseph—Discussant
4:00 Lynne Sebastian—Discussant
4:15 Questions and Answers

[59] SYMPOSIUM ■ LOCAL MANIFESTATIONS OF CLIMATE CHANGE FOR ARCHAEOLOGICAL RESEARCH

Room: 12A (ACC)

Time: 1:00 p.m.–5:00 p.m.

Chairs: Caitlin Rankin and Isabelle Lulewicz

Participants:

- 1:00 Frankie St. Amand—Comparing El Nino Proxies from the Archaeological Record
1:15 Ana Mauricio—Preceramic Human-Ecodynamics and the Development of Monumentality in Lower Chao Valley of Northern Peru
1:30 Daniel Contreras, Benjamin Vining and Aubrey Hillman—Regional Climates, Local Consequences: Downscaling Climate Data in the Chicama Valley, Peru
1:45 Maria Bruno, Christine Hastorf, Sherilyn Fritz, José Capriles and Alejandra Domic—Persistence in the Face of Change: Integrating Paleoenvironmental and Archaeological Datasets from the Southern Lake Titicaca Basin of Bolivia
2:00 Timothy Beach, Samantha Krause and Sheryl Luzzadder-Beach—Going Back to the Trowel: Wetlands, Resilience, and Climate Change in Maya History
2:15 Samantha Lash—The Mercurial Mosaic: Local Realities and Climate Change in the Mediterranean
2:30 Charlotte Cable, Lloyd Weeks, Kristina Franke and James Roberts—Thriving in the Desert: Reconceiving “Marginal” Environments in Desert Arabia through the Persistent Place of Saruq al-Hadid (Dubai, UAE)
2:45 Questions and Answers
3:00 Leslie Reeder-Myers—Zooarchaeological Meta-analysis and Late Holocene Climate Change on Chesapeake Bay
3:15 Dawn Beamer, Lisa Park Boush, Mary Jane Berman, Perry Gnivecki and Amy Myrbo—Climate and Culture in the Caribbean and Western Atlantic Regions: An Update
3:30 Philippa Jorissen, Traci Ardren, Michelle LeFebvre, Victor Thompson and Scott Fitzpatrick—Resilience and Paleo-Climate Proxies in the Prehistoric Florida Keys
3:45 Isabelle Lulewicz, Victor Thompson, Karen Walker and William Marquardt—Local Manifestations of the Little Ice Age in Southwestern Florida, USA: A Zooarchaeological and Stable Isotope Perspective for Socio-Ecological Communities

- 4:00 Caitlin Rankin—The Resilience of Floodplains to Sustained Regional Drought: Implications for the Vacant Quarter
- 4:15 David Anderson—Mitigating the Impact of Climate Change on the Archaeological Record: Cultural Resource Investigations along the Savannah River as Models of How to Proceed
- 4:30 Catherine West, Michael Etnier, C. Fred Andrus, Caroline Funk and Megan Partlow—On the Ice Edge: Abrupt Climate Change in the Aleutian Islands
- 4:45 Daniel Sandweiss—Discussant

[60] SYMPOSIUM ■ ROCK ART: METHODOLOGY AND INTERPRETATION IN THE ARCHAEOLOGY OF THE SITE

(Sponsored by Rock Art Interest Group)

Room: 17A (ACC)

Time: 1:00 p.m.—5:00 p.m.

Chair: Lenville Stelle

Participants:

- 1:00 Michele Hayward, Jonathan Hanna, Donald Smith, Michael Jessamy and Michael Cinquino—Rock Art Distribution in the Windwards: A GIS Perspective
- 1:15 Gordon Ambrosino—The Rock Art of La Serranía de la Macarena: Previously Undocumented Inscriptions at the Headwaters of the Orinoco River (Meta, Colombia)
- 1:30 Marlen Garnica and Eugenia Robinson—New Interpretations of La Casa de las Golondrinas: Landscape, Archaeology and Themes of the Art
- 1:45 Janelle Harrison—CRM and Heritage Management: Employing Modern Technologies in Rock Art Recording at MCAGCC 29 Palms, California
- 2:00 Radoslaw Palonka and Vincent MacMillan—Archaeoastronomy, Beliefs, and Warfare in Sand Canyon, Colorado: Documentation, Methodology, and Interpretation of Rock Art
- 2:15 Frank Earley and Thomas Huffman—Puebloan Rock Art and the Spanish Peaks, Southeastern Colorado
- 2:30 Mary Brown—Rock Art Communication Processes: Reconceptualizing Form, Function, and Framework
- 2:45 David Whitley—Terminal Pleistocene Petroglyph Traditions in North America
- 3:00 Emily Van Alst—Examining Interpretations of Gender in Rock Art Research on the Northwest Plains
- 3:15 Johannes Loubser—Hidden in Plain Sight: Hexoganol and Avian-Shaped Petroforms in the Piedmont of Georgia
- 3:30 Jan Simek, Erin Pritchard, Alan Cressler, Johannes Loubser and Sierra Bow—Precontact Cultural Landscapes at Painted Bluff, Alabama
- 3:45 Kenneth Burkett—On the Rocks at Parkers Landing
- 4:00 Uri Berger and Gonen Sharon—Dolmen Rock Art in the Levant
- 4:15 Sandra Olsen—Reconstructing Neolithic Hunting Strategies and Prey Species from Arabian Rock Art
- 4:30 Anne Stoll—San Rock Art at Diana's Vow, Zimbabwe: Appreciation, Appropriation, and New Information
- 4:45 Sam Challis and Brent Sinclair-Thomson—The Disconnect: The Impact of Contact and Colonization on the Indigenous Worldview, Rock Art, and History in Southern Africa

[61] SYMPOSIUM ■ FOOD, DIET, AND CUISINE IN THE ANCIENT ANDES

(Sponsored by Bioarchaeology Interest Group)

Room: Salon K (H)

Time: 1:00 p.m.–5:00 p.m.

Chairs: Marta Alfonso-Durruty and Deborah Blom

Participants:

- 1:00 Francisca Santana Sagredo, Chris Harrod, Petrus Le Roux and Mauricio Uribe—Camelid Herding in the Atacama Desert (Northern Chile): New Evidence Based on Stable and Radiogenic Isotope Analysis
- 1:15 Melanie Miller, Iain Kendall, Richard Evershed and Christine Hastorf—Protein from the Land, Not the Lake: New Interpretations of Human Dietary Patterns for Inhabitants of Southern Lake Titicaca, Bolivia, Using Bulk and Compound-Specific Amino Acid Stable Isotope Data (1500 BC–AD 1100)
- 1:30 Marcos Martinez, Alexandra Greenwald, Deborah Blom and Kelly Knudson—Isotopic Biographies of the Andes: $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ Measures in Sequential Samples of Permanent First and Third Molars in Moquegua Valley and the Lake Titicaca Basin
- 1:45 Julianna Santillan Goode, Matthew Sitek, Margaret Schoeninger, Paul Goldstein and Arianna Garvin—Paleodiet Reconstruction in the Tiwanaku Periphery: New Stable Isotope Data from the Locumba Valley, Peru
- 2:00 Lucia Diaz, Sarah Baitzel and Xinyi Liu—Paleodiet Reconstruction and Migration at Los Batanes, Sama Valley (Peru): Agropastoralism on the Eve of the Tiwanaku State (Eleventh Century AD)
- 2:15 Maureen Folk, Sarah Baitzel and BrieAnna Langlie—Migration and Agricultural Practice: A Paleoethnobotanical Analysis of Los Batanes in Southern Peru
- 2:30 Katherine Chiou—Rich Food, Poor Food / Feast or Famine: Contextualizing Peasant Foodways in the Andean Past
- 2:45 Matthew Biber and Aleksa Alaica—Middle Horizon Cuisine: Paleoethnobotanical and Zooarchaeological Evidence from Quilcapampa La Antigua, Sihuas Valley, Arequipa, Peru
- 3:00 Omar Reyes, Carolina Belmar, Augusto Tessone, Manuel San Román and Flavia Morello Repetto—What Is Cooking in the Pots of the Chiloe Archipelago? A Multiproxy Approach to Determine the Presence of Horticultural Groups
- 3:15 Beth Scaffidi, Natasha Vang and Tiffany Tung—Early Childhood Diet and the Institutionalization of Social Identity and Social Inequality: Stable Isotope Analysis of Sequentially Forming Human Tissues at the Cemetery of Uraca, Lower Majes Valley, Peru (ca. 200–750 CE)
- 3:30 Veronique Belisle, Aleksa Alaica and Matthew Brown—Private and Public Consumption: Considering Diet and Social Inequality at the Middle Horizon Site of Ak'awillay, Cusco, Peru
- 3:45 Kurt Wilson, Brian Coddling and Joan Coltrain—Exploring the Intersection of Climate, Society, and Diet in the Prehistoric Andes
- 4:00 Sadie Weber and Michelle Young—Eating Local, Drinking Imported: Chicha Recipes and Identity Formation at Atalla, Huancavelica, Peru
- 4:15 Sonia Alconini—Inka Kallawayas: Cuisine, Identity, and Status Negotiations in the Eastern Imperial Fringes
- 4:30 Tamara Bray—The Vital Matter of Food: Reflections on Material Agency and the Intersection of Matter and Meaning
- 4:45 Susan deFrance—Discussant

[62] SYMPOSIUM ■ NEW DIRECTIONS IN MONGOLIAN ARCHAEOLOGY**Room:** 11AB (ACC)**Time:** 1:00 p.m.–5:00 p.m.**Chairs:** Joshua Wright and Gideon Shelach-Lavi**Participants:**

- 1:00 Jennifer Farquhar, Arlene Rosen and Yadmaa Tserndagva—Adaptive Strategies of 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
- 1:15 Angela Evoy—Neolithic Resource Use and Adaptation in the Eastern Gobi Desert: Functional Analysis of Axes and Adzes
- 1:30 Lisa Janz, Davahuu Odsuren and Dashzeveg Bukhchuluun—Tamsagbulag: New Center of Cattle Domestication in East Asia?
- 1:45 Natalia Égüez, Jean-Luc Houle, Oula Seitsonen and Jamsranjav Bayarsaikhan—Herbivore Dung Biomarkers: A Reference Collection for the Archaeology of Pastoral Domestic Spaces in Western and Central Mongolia
- 2:00 William Gardner, Brent Buenger and Ja Burentogtokh—Hunters vs. Herders: A Comparative Analysis of Material Distributions in Hunter-Gatherer and Mobile Pastoralists' Dwelling Space
- 2:15 Jean-Luc Houle, Oula Seitsonen, Natalia Égüez, Lee Broderick and Jamsranjav Bayarsaikhan—A Window to the Past: Tracing the Development of Mobile Pastoralism in Northwestern Mongolia
- 2:30 Questions and Answers
- 2:45 Bukhchuluun Dashzeveg, Lisa Janz and Odsuren Davaakhuu—Use and Reuse of Burial Space during the Late Bronze Age and Early Iron Age in Mongolia: A Case Study from Zараа Uul
- 3:00 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
- 3:15 Bryan Miller—Imperial Impact: Population Dynamics and Social Landscapes of Inner Asia under the First Steppe Empire
- 3:30 Melandri Viok, Erdene Myagmar and Hallie Buckley—Nutritional and Infectious Diseases in the Bronze and Iron Ages of Mongolia: The Archaeological Significance
- 3:45 William Honeychurch—Discussant
- 4:00 Kristen Pearson—In Someone Else's Shoes: Ethnoarchaeology at the Intersection of Life and Object Histories
- 4:15 William Taylor, Isaac Hart, Julia Clark and Jamsranjav Bayarsaikhan—Understanding Pastoral Prehistory and High Mountain Subsistence through Ice Patch Archaeology in the Mongolian Altai
- 4:30 Gideon Shelach-Lavi—Why Build a Wall? Research on a Medieval Wall-System in Northeast Mongolia
- 4:45 Henny Piezonka, Birte Ahrens, Sampildonov Chuluun, Martin Oczipka and Jonathan Ethier—Abandoned Cities in the Steppe: Roles and Perception of Early Modern Religious and Military Centers in Nomadic Mongolia

[63] POSTER SESSION ■ ADVANCES IN WOODLAND ARCHAEOLOGY**Room:** Exhibit Hall 4 (ACC)**Time:** 2:00 p.m.–4:00 p.m.**Participants:**

- 63-a Kenneth Tankersley, Maria Saniel-Banrey and Stephen Meyers—The Hopewell Comet Airburst Event

- 63-b Louis Herzner, Kenneth Barnett Tankersley, Dylan Zedaker, Maddie Moeller and Larry Sandman—Extracting Micro-meteorites and Micro-tektites from Archaeological Contexts
- 63-c Dylan Zedaker, Kenneth Tankersley, Louis Herzner and Harrison Stanley—Evidence of a Cosmic Airburst Event at the Miami Fort Village Site
- 63-d Kathryn Kuennen—What's Deer to You? Exploitation of White-Tailed Deer from a Late Woodland River Valley Site
- 63-e Zachary Dierks—Debitage and Tools: Lithic Analysis at Woodpecker Cave
- 63-f Jacob Weakley—Increasing Bone Volume and Body Size *Odocoileus virginianus* as Evidence of Intensification of Maize Agriculture in the Ohio Valley
- 63-g Allegra Ward—Historicizing the Design and Use of Log Tombs in the Ohio Valley during the Woodland Period
- 63-h Anya Frashuer, Christopher Carr and Michael Glascock—Ceramic Exchange and Community Organization of Middle Woodland Period Hopewell Groups in the Scioto Valley, Ohio
- 63-i Colin Betts—Multi-Instrument Geophysical Survey of an Effigy Mound Site in Allamakee County, Iowa
- 63-j Ora Elquist and Holly Herbster—A Seasonally Occupied Village at Vineyard Haven, Martha's Vineyard, Massachusetts: Archaeological Investigations at the Lagoon Pond Bluff Site (19-DK-274)
- 63-k Jonathan Micon—Status, Signaling, and St. Lawrence Iroquoian Incorporation
- 63-l Jon Russ, Umer Aziz and Morgan McDonald—SPME/GC-MS Analysis Archaeological Smoking Pipe Residues
- 63-m Grace Tolan, Claire Rebbe, Jera Davis, Stephen Carmody and Jon Russ—GC-MS Analyses of Smoking Pipe Residues from Moundville (1TU500)
- 63-n Candace Parker—A Comparison of Sites within the Fourche Maline Archaeological Culture
- 63-o Charles Rainville and Asa Randall—Geophysical and Spatial Investigations of a Woodland Period Post Mold Alignment at the Silver Glen Springs Archaeological Complex, Florida
- 63-p Brandon Ritchison and Brandon Ritchison—Constructing Communities: Continuity and Change in Community Organization on the Georgia Coast, 2250 BC–AD 1650.

[64] POSTER SESSION ■ ARCTIC AND SUBARCTIC ARCHAEOLOGY

Room: Exhibit Hall 4 (ACC)

Time: 2:00 p.m.–4:00 p.m.

Participants:

- 64-a Igor Chechushkov—The Location of the Late-Inuit Winter Sites of the Quebec Lower North Shore and Heat-Preservation Strategies in the Prehistoric Societies
- 64-b Michael Scott and Paul Szpak—Chew the Fat: Examining Applications of Lipids in Archaeological Bone
- 64-c Lisa Hodgetts, Natasha Lyons, Rebecca Goodwin, Jeffrey Grieve and Jason Lau—Digital Co-creation in the Inuvialuit Living History Project
- 64-d Paul Szpak, Michael Westbury, Øystein Wiig, Arthur Dyke and Eline Lorenzen—Holocene Environmental Changes Recorded in Bowhead Whale Bone Collagen Isotopic Compositions
- 64-e Rachel Smith—The Overview Effect: Outer Space Perspectives of the Archaeological Landscape, a Case of Coastal Erosion, Quinhagak, Alaska
- 64-f Laura Stelson—Predicting Prehistoric Routes for Long-Distance Trade across the Alaska Peninsula

- 64-g Justin Junge, Andrew Tremayne and Thomas Urban—Home Is Where the Hearth Is: Re-assessing Occupation Histories of the Earliest Use of the Beach Ridges at Cape Krusenstern National Monument

[65] POSTER SESSION ■ ARCHAEOLOGY IN THE ROCKY MOUNTAINS

Room: Exhibit Hall 4 (ACC)

Time: 2:00 p.m.–4:00 p.m.

Participants:

- 65-a Matthew Neff, Rachel Channell and Lawrence Todd—A Post-fire Archaeological Assessment, Documentation, and Monitoring Protocol: Greater Yellowstone Ecosystem, Wyoming
- 65-b Sari Dersam, Scott Dersam and Molly Herron—High-Elevation Ceramic Workshop in the Beartooth Mountains: Interpreting a Possible Expedient Ceramic Technology
- 65-c Morgan Robins—A Broken History Made Whole: The Use of 3D Modeling Techniques to Piece Rock Art Back Together
- 65-d Kimberly Troendle—Can We Move Past the Nomenclature? Test of a Dichotomous Key for Typing Projectile Points in Wyoming
- 65-e Meghan Dudley—Archaic House Pits in the Rocky Mountains: What Do We Know about Them Today?

[66] POSTER SESSION ■ PALEOINDIAN NORTH AMERICA

Room: Exhibit Hall 4 (ACC)

Time: 2:00 p.m.–4:00 p.m.

Participants:

- 66-a Neil Thompsett, Sean Keef, Dayle Bingham and Matthew Des Lauriers—Paleo North American Consumption of Crustaceans: The Quantitative Measurement of Crustacean remains in Precontact Shell Middens
- 66-b Shelby Saper, Richard Rosencrance and Katelyn McDonough—Assessing Typology of Pre-Mazama Corner-notched Points in the Northern Great Basin
- 66-c Dakota Larrick—A Landscape Approach to the Late Paleoindian Bull Creek Camp, Oklahoma Panhandle
- 66-d Erica Bradley—The Core of Western Stemmed Tradition Technology: Exploring the Role of Bifaces as Mobile Cores by Great Basin Paleoindians
- 66-e Bianca Book—A Stable Isotope Analysis of the Archaic Windover Population's Diet (8BR246)
- 66-f Fanxiu Meng—Paleoindian Use of the North Bank at the Blackwater Draw Site: Debitage and Stone Tool Patterns
- 66-g Janaka Greene—The Capshaw Site (41DF22), a Late Paleoindian Site in the Texas Panhandle
- 66-h Emma Graumlich—Paleoenvironmental Analysis through Gastropods at the Page-Ladson (8JE591) Inundated Terrestrial Site, Northwest Florida, USA
- 66-i Taylor McCoy and Heather Smith—Using Geospatial Methods to Analyze Previous Investigations at Blackwater Draw Locality 1
- 66-j Paul Oberheim, Richard Boisvert and Mark Doperalski—Supporting Paleoindian Viewsheds with the Jefferson VII Site, Jefferson, New Hampshire
- 66-k Itzel Quiroz, Richard Rosencrance, Katelyn McDonough and Justin Holcomb—Younger Dryas Eyed Bone Needles, Spurred Gravers, and Activity Areas at the Connley Caves (35LK50), Oregon
- 66-l Scott Dersam—Paleoindian Occupations and Broad-Spectrum Subsistence Behaviors in the High Elevations of the Greater Yellowstone Ecosystem

- 66-m R. A. Varney and Linda Scott Cummings—What Happens When Your Depositional Record Appears to Be Scrambled: Interpreting the Deposition, Radiocarbon, and Pollen Signatures for Bijou Creek, Colorado
- 66-n Jenna Battillo, Thomas Stafford Jr., R. A. Varney and Linda Scott Cummings—Radiocarbon, Deposition, XRF, and Pollen Records from Hall's Cave, Texas
- 66-o Isaac Hart, Andrea Brunelle, Jennifer DeGraffenried and Kaylee Jones—A New Radiocarbon Chronology for Lake Bonneville Sediments

[67] POSTER SESSION ■ PALEOINDIAN ARCHAEOLOGY IN CENTRAL AND SOUTH AMERICA
Room: Exhibit Hall 4 (ACC)
Time: 2:00 p.m.–4:00 p.m.

Participants:

- 67-a Juan Belardi, Silvana Espinosa, Luis Horta and Flavia Carballo Marina—The Quarry in the Forest. The Case of the Upper Guanaco River (Southern Patagonia, Argentina)
- 67-b Ian Beggen—Predictive Modeling and the Identification of Terminal Pleistocene / Early Holocene Sites in the Andean Highlands
- 67-c Steph Gruver, Kurt Rademaker and Matthieu Carré—Andean Hunter-Gatherers Occupational Patterns and Responses to Environmental Changes
- 67-d Jesús de la Rosa-Díaz—Valle de Bonanza (Zacatecas, México): A limestone lithic assemblage
- 67-e Emily Milton—Testing the Water: Challenges of Developing an Isotopic Baseline for the Central Andes

[68] SYMPOSIUM ■ REGIONAL PERSPECTIVES ON FOLSOM SETTLEMENT, SUBSISTENCE, AND CHIPPED STONE VARIABILITY IN WESTERN NORTH AMERICA
Room: Salon J (H)
Time: 2:45 p.m.–4:45 p.m.
Chair: Kelton Meyer

Participants:

- 2:45 Vance Holliday, Bruce Huckell and Peter Condon—Folsom Archaeology and Geoarchaeology along the Rio Grande Basin, Southwestern USA
- 3:00 William Reitze—Lucy: The Unknown New Mexico Folsom Site
- 3:15 Charles Koenig, Christopher Jurgens, David Kilby, Kevin Hanselka and Lorena Becerra-Valdivia—Multidisciplinary Investigations of a Folsom-Age Bison Butchery Event in Eagle Cave, Texas
- 3:30 Jack Hofman and Barbara Crable—Bison Hunting Using Bottlenecks and Funnels during Folsom Time: The Bethel Locality, Western Oklahoma
- 3:45 Jason LaBelle—Lindenmeier's Neighborhood: Folsom Site Distribution among the Foothills of Northern Colorado
- 4:00 Kelton Meyer—Tangible Data from Text: 3D Reconstruction of Smithsonian Excavations in Trench E at the Lindenmeier Folsom Site, Northern Colorado
- 4:15 Spencer Pelton—Does Temperature Influence Folsom Stone Tool Variability?
- 4:30 Leland Bement—Discussant

[69] SYMPOSIUM ■ ATLATLS AND RELATED WEAPONS IN THE SOUTHWEST AND BEYOND
Room: 15 (ACC)
Time: 3:00 p.m.–5:00 p.m.
Chairs: Devin Pettigrew and John Whittaker

Participants:

- 3:00 Ronald Fields—New Archaeological Data from Old Southwestern Caves
 3:15 John Whittaker, Chuck LaRue and William Bryce—The Atlatl in Basketmaker Rock Art
 3:30 Devin Pettigrew—Variation and Distribution in Basketmaker Atlatls: A Typological Analysis
 3:45 Chris Loendorf—Technological Implications of Atlatl Dart Raw Material Preferences along the Middle Gila River in South Central Arizona
 4:00 Marvin Kay—Dalton Point Engineering Design
 4:15 Justin Garnett—Basketmaker II Atlatls as Combat Weapons: An Experimental Approach
 4:30 Phil Geib—Basketmaker Atlatl Duels as Ritual Conflict: Interpreting Ancient Rock Imagery
 4:45 Richard VanderHoek—The Survival of the Spearthrower: An Overview of Throwingboard Technology from Northwestern North America

[70] LIGHTNING ROUNDS ■ CLOSING THE FLOODGATES: POPULAR MEDIA AND CLIMATE CATASTROPHISM IN ARCHAEOLOGY

Room: 14 (ACC)

Time: 4:00 p.m.–5:00 p.m.

Moderators: Elizabeth Watts Malouchos and Sarah Baires

Participants:

- Sarah Baires—Discussant
 Elizabeth Watts Malouchos—Discussant
 Meghan Buchanan—Discussant
 Lisa Lucero—Discussant
 Lizzie Wade—Discussant
 Lewis Borck—Discussant
 Melissa Baltus—Discussant
 Kenneth Sassaman—Discussant
 Rebecca Hawkins—Discussant
 Annalee Newitz—Discussant

[71] SYMPOSIUM ■ CABINETS OF CURIOSITIES: COLLECTIONS AND CONSERVATION IN ARCHAEOLOGICAL RESEARCH

Room: 17B (ACC)

Time: 3:15 p.m.–5:00 p.m.

Chair: Mariana Sanders

Participants:

- 3:15 Amanda Dobrov—Cabinets of Curiosity: The Forgotten Collections
 3:30 Joshua Vallejos—Degrees of Change: Transition from Paleoindian to Archaic
 3:45 Abigail Judkins—The Persistence of Traditional Hunting Strategies in Northern Alaska
 4:00 Nicole Mathwich—Embodied Colonialism: Studying the Political Ecology of Colonial Landscape Use from Legacy Collections
 4:15 Douglas Mitchell, Laurene Montero, Mark Chenault and Todd Bostwick—Sixty Years of Unpublished Data from Pueblo Grande Museum: Analysis of Artifacts from the Platform Mound and Surrounding Areas
 4:30 Thatcher Rogers—Dusting the Tomes Off: Quantitative Investigations into Charles Di Peso's Paquimé
 4:45 Lenore Thompson—Museums as Repositories of Knowledge: Using Museum Collections to Study Colonial Impacts through the Changing Indigenous Use of Copper Metal in the Pacific Northwest

[72] SYMPOSIUM ■ DOCUMENTING DEMOGRAPHICS IN ARCHAEOLOGICAL PUBLICATIONS AND GRANTS

Room: Ballroom G (ACC)

Time: 3:30 p.m.–5:00 p.m.

Chairs: Laura Heath-Stout and Catherine Jalbert

Participants:

- 3:30 Tiffany Fulkerson and Shannon Tushingam—Making the Data Count: Analyzing Inequities and Challenging Epistemic Injustice in Archaeological Discourse
- 3:45 Catherine Jalbert and Laura Heath-Stout—The *Bulletin of the Texas Archeological Society: An Analysis of Authorship, 1929–2019*
- 4:00 Dana Yakabowskas, Amanda Samuels and Christopher Wolff—Diversity in Hunter-Gatherer Research: A Bibliometric Analysis of Trends in Hunter-Gatherer Research within *American Antiquity*
- 4:15 Sarah Herr, Lynn Gamble, Maria Gutiérrez, Geoffrey Braswell and Hugh Radde—Assessing Diversity in the Society for American Archaeology Journals
- 4:30 Barbara Mills and Lynne Goldstein—The Demographics of Grants(man)ship: What We Know and What We Wished We Knew
- 4:45 Amber VanDerwarker and Dana Bardolph—Analytical Approaches to Identifying Inequities

[73] SYMPOSIUM ■ PAPERS IN HONOR OF BRUCE BRADLEY

Room: 16A (ACC)

Time: 3:30 p.m.–5:00 p.m.

Chair: Mercedes Okumura

Participants:

- 3:30 Alan Outram—Understanding the Settlement Structure of Early Horse Herders in the Eneolithic of Kazakhstan: New Geophysical Surveys and Ground-Truthing at Botai and Borly 4
- 3:45 Rafael Suárez—Bruce Bradley: His Important Legacy and Contribution to Advance in Paleoamerican Lithic Technology in Uruguay
- 4:00 Mercedes Okumura, Astolfo Araujo and João Carlos Moreno de Sousa—Bruce Bradley and His Contribution to Lithic Technological Studies and Experimental Archaeology in Brazil
- 4:15 Thomas Williams, Ciprian Ardelean and Nancy Velchoff—The Ballad of Bruce Bradley: Tales of Teaching and Knapping on the Job
- 4:30 Cynthia Bradley—Partnership through Time: Forty-Five Years of Ancestral Pueblo Research with Bruce A. Bradley
- 4:45 Sergio Ayala—An Experimentally Supported Review of the Oldest Bifaces at the Gault site (41BL323), ca. >16,000 Years Ago cal BP

[74] SYMPOSIUM ■ HISTORIES OF HUMAN-NATURE INTERACTIONS: USE, MANAGEMENT, AND CONSUMPTION OF PLANTS IN EXTREME ENVIRONMENTS

Room: 18D (ACC)

Time: 3:30 p.m.–5:00 p.m.

Chairs: Eugenia Gayo, Paula Ugalde and Virginia McRostie

Participants:

- 3:30 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
- 3:45 Delphine Joly and Robert Marchant—Fuel Management in South American Deserts: Environmental Constraints and Cultural Choices

- 4:00 Camila Alday—The Pre-ceramic Plant-Fiber Technology of South America
 4:15 Eugenia Gayo, Manuel Rojas, Marcela Sepulveda and Antonio Maldonado—
 Gathering, Processing, and Use of Plant Resources during the Archaic in the
 Atacama Desert Highlands: The Case of the "Alero El Bajo" Site
 4:30 Carolina Belmar—Plants and Steppe Hunter-Gatherers in Central Patagonia: A
 Case Study from the Aisén Region (45°S, Chile)
 4:45 Jennifer Haas—Woodland Tradition Plant Use and Foodways in the Western
 Great Lakes: A View from Southeastern Wisconsin

[75] POSTER SESSION ■ PALEOINDIAN/PALEOAMERICAN ZOOARCHAEOLOGY**Room:** Exhibit Hall 4 (ACC)**Time:** 5:00 p.m.–7:00 p.m.**Participants:**

- 75-a Kathleen Holen and Steven Holen—Human-Induced Percussion Technology: A
 Synthesis of Bone Modification as Archaeological Evidence
 75-b Thornton Raskevitz and Carlos Cordova—Reconstructing Paleoecology by
 Proxy: Phytolith Analysis and Its Utility When Examining Bison Diminution on the
 Great Plains
 75-c Lawrence Todd and Arthur Middleton—Investigating the Long-Term Fidelity of
 Ungulates to Migration Corridors: Applied Landscape Archaeology in the Greater
 Yellowstone Ecosystem, NW Wyoming
 75-d Andrew Boehm—Revisiting the Faunal Collections from Fort Rock and Connley
 Caves, Oregon
 75-e Derick Juptner and Jordan Pratt—Insights from the Faunal Distribution at the
 Weed Lake Ditch site (35HA341) in Southeastern Oregon
 75-f Jennifer Lemminger—Agate Basin Stratified Paleoindian Site: Faunal Analysis
 from Area I
 75-g Tony Fitzpatrick—Collagen and Apatite Stable Isotope Values from Bison Bone
 at the Hell Gap Site

[76] POSTER SESSION ■ ZOOARCHAEOLOGY**Room:** Exhibit Hall 4 (ACC)**Time:** 5:00 p.m.–7:00 p.m.**Participants:**

- 76-a Eric Guiry, Stéphane Noël, John Fowler and Susan deFrance—Quantifying the
 Role of Salt Marshes in Animal Husbandry: Stable Carbon and Sulfur Isotope
 Insights
 76-b Brittany Slane, Samantha Blatt and Mary Thompson—Dogs by Number:
 Geomorphometric Differentiation of Canid Species
 76-c Susan Monge—Zooarchaeology of Culebra Bay, Guanacaste, Costa Rica
 76-d Jodi Jacobson, Taylor Bowden and Susan Sincerbox—Grease, Dogs, Rats, and
 Rivers: Marrow and Bone Grease Processing at the Late Prehistoric Jayroe Site
 (41HM51) in Central Texas
 76-e Samantha Kirgesner and Julie Field—An Analysis of Marine and Riparian
 Mollusks from Sigatoka Valley, Fiji
 76-f Brett Meyer—An Assessment of Late Prehistoric Shellfish Exploitations in
 Western Wisconsin
 76-g Kara Peters and Briana Pobiner—Creating a Standardized Method for Accurate
 and Precise Measurement of Butchery Cut Marks: Digital Caliper, Scanning
 Electron Microscope, or Dino-Lite Microscope?

- 76-h Brandon McIntosh and Erin Thornton—Ostetric and Morphometric Analysis of Archaeological Turkey Assemblages from across the Mogollon Region of the U.S. Southwest
- 76-i Laura Benedict and Virginia Lucas—Dinner in the Desert: A Faunal Exploitation Investigation at California Wash, a Preliminary Analysis
- 76-j Virginia Lucas—Faunal Exploitation Practices during the Pueblo II Period in the Moapa Valley: An Examination of Three Lowland Virgin Branch Puebloan Sites in Southern Nevada
- 76-k Maria Codlin—Animal Acquisition at Teotihuacan
- 76-l Jennifer Routledge, Lisa Janz and Paul Szpak—Ostrich Extirpation from the Eurasian Steppe
- 76-m Sean Hixon, Kristina Douglass, Lucien Rakotozafy, Brooke Crowley and Douglas Kennett—Past Temporal and Dietary Overlap among Introduced and Extinct Endemic Herbivores in SW Madagascar
- 76-n Angela Feak, Brian Stewart, John Kingston and Genevieve Dewar—Tracking Paleoaridity through Multi-Isotope Analyses of Ostrich Eggshells at Spitzkloof Rockshelter A, South Africa
- 76-o Julian Schultz and Tanya Peres—Mollusks at Mound Field: Examining the Phylum's Role in Woodland Period Life on Florida's Big Bend

[77] POSTER SESSION ■ DIGITAL ARCHAEOLOGY

Room: Exhibit Hall 4 (ACC)

Time: 5:00 p.m.–7:00 p.m.

Participants:

- 77-a Kevin Wann and Chris Begley—Creating Computational Scripts for Microsoft Excel and Python 2 That Determine the Exact Coordinates of a Submerged Artifact Measured through Trilateration
- 77-b India Kotis and Karinne Robbins—Between Mind and Matter: Patterns of Discourse in Desktop Graffiti
- 77-c Matthew Gush—Visual Storytelling for a Modern Age
- 77-d Nicolette Edwards and Mark McCoy—The Influence of Taphonomy on Gaps in Radiocarbon Dates: A User-Friendly GIS Model
- 77-e Anne-Marie Card—That's WY: Do Archaeological Site Locations Identify the Best Places to Live in Wyoming?
- 77-f Robert Morgan, Matthew Taliaferro and Elizabeth Toney—Predictive Modeling on the Francis Marion and Sumter National Forests
- 77-g Heather Smith, Taylor McCoy, Fanxiu Meng, Laura Evans and Brendon Asher—3D Digital Curation of the Blackwater Draw Stone Tool Assemblage: Uniting Materials from the Clovis Type Site
- 77-h Danielle Duguid and Jake Lulewicz—Using Elevation and the Floodplain to Analyze the Settlement and Abandonment of Sites in the Lower Illinois River Valley
- 77-i RP Cromwell, Makayla O'Rourke and Tara Tran—A Comparison of Projectile Points from the Lake Abert Basin, Lake County, Oregon
- 77-j Craig Shapiro—Geospatial Analysis of Prehistoric Agricultural Systems in Samoa
- 77-k David Witt—Remote Sensing of Chacoan Roads in the Middle San Juan Region
- 77-l Paul Burnett and Jonathan Libbon—Archaeological Spatial Patterning in Northern Ohio
- 77-m Brian Lane—Defining Human Territories: A Case from Rapa, East Polynesia
- 77-n Grant Snitker, Sean Bergin and Pete Cadena—R-Based Solutions for Synthesizing Archaeological Survey Data to Assess Changing Land-Use Patterns in the Okanagan-Wenatchee National Forest, WA

- 77-o Xinzhou Chen—Excavation and Archaeological Survey on Ancient Tibet Pastoralism: A Proposal and Pilot Studies
- 77-p Albert Waters, John Vandergugten, Gavin Donathan, Courtney Hopper and Genevieve Dewar—A 3D interactive model of Spitzkloof D Rockshelter, Namaqualand, South Africa

[78] POSTER SESSION ■ NEW DISCOVERIES IN MISSISSIPPIAN ARCHAEOLOGY

Room: Exhibit Hall 4 (ACC)

Time: 5:00 p.m.–7:00 p.m.

Participants:

- 78-a John Richards, Sean McConnel and Ned Farley—Geophysical Survey at the Aztalan Site: Lessons from Two Near-Surface Remote Sensing Surveys
- 78-b Elizabeth Scharf—Archaeological Implications of a Late Holocene Pollen Record from the Florida Panhandle, USA
- 78-c Alexandra Flores—Analysis of Results from a Geophysical Survey Conducted at the Brackett Site (34Ck43) in Eastern Oklahoma
- 78-d Michelle Slaughter and Kevin Gilmore—Grandpa's Little People: Two Prehistoric Ceramic Figurines from Atascosa County, Texas
- 78-e Anna Waterman, Bryan Kendall, Andrew Somerville and Julien Royer—Stable Isotope Analysis of Faunal Remains from a Western Iowa Oneota Site: A Preliminary Investigation of Diet and Mobility in the Late Prehistoric Period of the Upper Midwest
- 78-f Aaron Comstock and Benjamin Cross—Using Micromorphology to Examine Structure Use and Abandonment at an Early Fort Ancient Village in Southwest Ohio
- 78-g Thomas Zych—Comparing Approaches to Geometric Morphometric Analyses: A Ground Stone Discoidal Case Study
- 78-h Anthony Farace—Assessing Visual Ceramic Petrography at Wickliffe Mounds, Kentucky
- 78-i Grace Riehm—Vessel Forms in the Late Prehistoric and Early Historic Natchez Bluffs
- 78-j Benjamin Stewart—Where Did the Meat Go? A Zooarchaeological Analysis and Household Assessment on the Fewkes Site (40WM1)
- 78-k Megan Belcher, Daniel Williams and Natalie Mueller—Testing the Soil Preferences of Erect Knotweed (*Polygonum erectum*) in a Common Garden Experiment
- 78-l Kathryn McKenna, Tim Baumann, Gerry Dinkins and Steve Ahlstedt—Check Out These Mussels: Gravel Hill Cave Site Mussel Analysis in Comparison to the Clinch River Breeder Reactor Plant Site

[79] POSTER SESSION ■ ARCHAEOLOGY OF THE SOUTHERN SOUTHWEST

Room: Exhibit Hall 4 (ACC)

Time: 5:00 p.m.–7:00 p.m.

Participants:

- 79-a Mark Chenault—Stone Palettes and the Founding Lineage of Pueblo Grande
- 79-b Jessica Cerezo-Román—Embodiment and Regional Patterns of Hohokam Mortuary Practices
- 79-c Bruce Phillips, Erik Steinbach, Travis Cureton and Craig Fertelmes—Evolving Hohokam Irrigation Strategies at La Plaza: A Multidisciplinary Approach
- 79-d Ronald Ryden, Michael Stubing and Mark Chenault—Assessing the Utility of Excavators and Other Heavy Equipment for Archaeological Excavation

- 79-e Jacqueline Fox and Travis Cureton—Dry Farms and Field Houses: Settlement Archaeology of the Upper Casa Grande Irrigation Communities
- 79-f Krystal Britt—Geochemical Analysis of Mogollon Brown Ware from the Middle Little Colorado River Valley, Northern Arizona
- 79-g Amanda Castañeda and Mark Willis—Exploring Ground Stone Bedrock Feature Variation on the Mescalero Plain, New Mexico
- 79-h Mairead Poulin—Access, Visibility, and the Social Landscape: The Chevelon Steps Petroglyphs
- 79-i Randall McGuire, Elisa Villalpando, Alejandra Abrego, Hunter Claypatch and Cinthia Campos—Digging the Trincheras Tradition in Sonora, Mexico
- 79-j Heather Garnett—Shell, Abandonment, and the Jornada Mogollon
- 79-k Kelsey Hanson and Nancy Odegaard—Employing Complementary Noninvasive Techniques to Characterize Paint Recipe Diversity in the U.S. Southwest
- 79-l Andrew Krug, John Carpenter, Guadalupe Sánchez-Miranda and Matthew Pailes—Multiculturalism in the International Four Corners: Recent Excavations in the Fronteras Valley, Sonora, Mexico

[80] POSTER SESSION ■ BIOARCHAEOLOGY AND MORTUARY ANALYSIS

Room: Exhibit Hall 4 (ACC)

Time: 5:00 p.m.–7:00 p.m.

Participants:

- 80-a Kaitlyn Ball—Archaeology of Health and Medicinal Practices in Plymouth Colony, Massachusetts
- 80-b Christine Halling and Ryan Seidemann—Unidentified Oddity of the Petrous Portion of the Temporal Bone: A Case Study from a Historic Cemetery in Louisiana
- 80-c Shannon Freire—Grave Reckoning: Recovering Connections between Medical Education and the Archaeological Record
- 80-d Lexi O'Donnell, Ethan Hill, Amy Anderson and Heather Edgar—Examining the Etiology of Cribra Orbitalia and Porotic Hyperostosis Using Computed Tomography (CT) Scans of a Contemporary Sample from the New Mexico Office of the Medical Investigator
- 80-e Corinne Taylor, Megan Perry and Robert Tykot—Reconstructing the Childhood Diet of an Eighteenth- to Nineteenth-Century North Carolina Land-Owning Family
- 80-f Wilson Simmons, John Dudgeon and Sara Getz—Age Estimation of Pathological Dentition Using Cementochronology
- 80-g Catherine Jones—Grave Anatomy: Dissecting Bodies of Meaning in Historic Burials
- 80-h Kylie Williamson, Neill Wallis, George Kamenov and John Krigbaum—Osteological and Isotopic Analysis of the Pillsbury Burial Mound (AD 600–900), a Weeden Island Site Situated along the Gulf Coast of Florida

[81] POSTER SESSION ■ CURRENT RESEARCH AT McDONALD CREEK: A MULTICOMPONENT SITE IN INTERIOR ALASKA

Room: Exhibit Hall 4 (ACC)

Time: 5:00 p.m.–7:00 p.m.

Chairs: Kelly Graf and Julie Esdale

Participants:

- 81-a Kelly Graf, Nathan Shelley and Julie Esdale—Stratigraphy, Chronology, and Site Formation at the McDonald Creek Site, Interior Alaska
- 81-b Aureade Henry, Kelly Graf and Julie Esdale—New Archaeobotanical Data from the Late Pleistocene Occupations of McDonald Creek (Interior Alaska)

- 81-c Julie Esdale and Kelly Graf—Spatial Arrangement of the Northern Archaic Component at the McDonald Creek Site, Central Alaska
- 81-d Ted Goebel—Late Pleistocene Stone-Tool Technology at McDonald Creek, Alaska
- 81-e Nathan Shelley and Kelly Graf—A Preliminary Spatial Analysis of the Late Pleistocene Components at the McDonald Creek Site, Interior Alaska
- 81-f Laurence Forget Brisson, Michel Lamothe, François Hardy and Kelly Graf—Contributions of IRSL and ¹⁴C Geochronology to the Issue of Initial Settlement in the New World: The Case of the McDonald Creek Archaeological Site
- 81-g Lyndsay DiPietro and Kelly Graf—Micromorphological Analysis of Deposition, Pedogenesis, and Stratigraphic Integrity at the McDonald Creek Site, Central Alaska

[82] POSTER SESSION ■ NEW ARCHAEOLOGICAL INSIGHTS FROM THE MIDDLE TANANA VALLEY, ALASKA

Room: Exhibit Hall 4 (ACC)

Time: 5:00 p.m.–7:00 p.m.

Chairs: Gerad Smith and Joshua Reuther

Participants:

- 82-a Joshua Reuther, Sam Coffman, Charles Holmes, Ben Potter and Jeffrey Rasic—Prehistoric Obsidian and Rhyolite Acquisition and Movement across the Middle Tanana Basin in Interior Alaska
- 82-b Barbara Crass, Jeffrey Behm and Charles Holmes—Experimental Reproduction of Swan Point Bone-Fueled Hearth Remains
- 82-c Briana Doering, Joshua Reuther, Scott Shirar and Holly McKinney—Reconstructing Late Holocene Behavior at Quartz Lake, Alaska
- 82-d Rob Rondeau and Chris Carleton—Beringia Underwater: The Search for New Archaeological Sites
- 82-e François Lanoë, Joshua Reuther, Charles Holmes, Ripan Malhi and Ben Potter—Late Pleistocene Large Canids (Dog/Wolf) at Archaeological Sites of the Middle Tanana Valley, Alaska
- 82-f Gerad Smith—Insights from Prehistoric House Construction: Change through Time in the Middle Tanana Valley, Alaska
- 82-g Charles Holmes, Ben Potter and Joshua Reuther—A New Cultural Sequence Synthesis for the Tanana Valley, Alaska
- 82-h Kathryn Krasinski, Charles Holmes and Barbabra Crass—Fourteen Thousand Years of Food Preparation at Swan Point, Tanana Valley, Alaska
- 82-i Brian Wygal, Kathryn Krasinski, Charles Holmes, Barbara Crass and Dominic Tullo—The Holzman Site: Fourteen Thousand Years of Human Activity along Shaw Creek, Alaska
- 82-j Evan Holt, Todd Surovell, Brian Wygal, Kathryn Krasinski and Charles Holmes—Site Formation Processes: A Vertical Refit Distribution Analysis from the Holzman South Site, Shaw Creek Flats, Alaska
- 82-k Jennifer Kielhofer, Joshua Reuther, Charles Holmes, Vance Holliday and François Lanoë—Geoarchaeology at Swan Point, Central Alaska: Insight on Past Environments and Site Formation Processes since the Late Glacial Period (~15,000 cal BP to Present)
- 82-l Thomas Gillispie, Charles Holmes, Ben Potter, Angela Younie and Evelynn Majere—Late Glacial Age Crescentic Bifaces from East-Central Beringia

- [83] POSTER SESSION ■ EXPERIMENTAL ARCHAEOLOGY OF TRADITIONAL GROUND STONE MILLING TECHNOLOGY**
Room: Exhibit Hall 4 (ACC)
Time: 5:00 p.m.–7:00 p.m.
Chair: Tammy Buonasera

Participants:

- 83-a Daniel Goring, Tammy Buonasera, Jelmer Eerkens and Meredith Carlson—Learning Strategies and Ground Stone Tools: Understanding Cultural Transmission through Experimental Archaeology
- 83-b Tammy Buonasera—Considering Women’s Tech Choices: Grinding Efficiency and Performance Characteristics of Hunter-Gatherer Milling Tools
- 83-c Meredith Carlson, Christopher Beckham, Caleb Chen, Daniel Goring and Peiqi Zhang—Modeling Time Investment Trade-offs for Stone and Wooden Mortars
- 83-d Peiqi Zhang, Meredith Carlson, Caleb Chen, Christopher Beckham and Tammy Buonasera—The Steep Costs of Manufacturing Long Pestles in Late Period Central California: Results from Replicative Experiments
- 83-e Caleb Chen, Meredith Carlson, Peiqi Zhang, Daniel Goring and Tammy Buonasera—Using Experimental Archaeology to Compare Energy Expenditures of Mortar and Pestle and Grinding Slab Technologies
- 83-f Funda Ugras, Tamer Mertan and Müge Ergun—Comparing Technological Choices for Grain Processing at Aşıklı Höyük, an Early Neolithic Village in Turkey: Experimental Removal of Chaff from Barley (*Hordeum vulgare*)
- 83-g Kyle Palazzolo—When Mortars Speak Volumes: Assessing the Influence of Mortar Cavity Size on Processing Efficiency

Thursday Evening ■ April 23, 2020

- [84] SYMPOSIUM ■ TEOTIHUACAN: MULTIDISCIPLINARY RESEARCH ON MESOAMERICA’S CLASSIC METROPOLIS**
Room: Salon K (H)
Time: 6:00 p.m.–7:15 p.m.
Chairs: Catherine Nuckols Wilde and Katherine McCarthy

Participants:

- 6:00 Katherine McCarthy—The Multiplicity of Murals: Translating Landscapes at Teotihuacan
- 6:15 Stephanie Lozano—New Perspectives on the Teotihuacan Storm God
- 6:30 Catherine Nuckols Wilde—A Return to Roots: The Maya—Teotihuacan Inscription at Copan’s Temple 26
- 6:45 Elliot Lopez-Finn and Elliot Finn—Subtleties in Translation: Mexica References to an Imagined Teotihuacan
- 7:00 Matthew Robb—Discussant

- [85] GENERAL SESSION ■ NEW DISCOVERIES IN EUROPEAN ARCHAEOLOGY**
Room: 18D (ACC)
Time: 6:00 p.m.–7:30 p.m.
Chair: Gregory Zaro

Participants:

- 6:00 Sarah Martini and Stefan Dreibröd—On-site Geoarchaeology as a Method of Archaeological Hypothesis Testing on Multilayered Settlement Mounds: Examples from a Transect of Sites from Anatolia to Central Europe
- 6:15 Kamen Boyadzhiev—Tell Yunatsite, Southern Bulgaria: New insights on the Fifth Millennium BC in the Balkans

- 6:30 Gregory Zaro, Martina Celhar, Igor Borzic and Dario Vujevic—Town Planning through the Ages: Millennial-Scale Continuity and Discontinuity at the Nadin-Gradina Archaeological Site in Northern Dalmatia, Croatia
- 6:45 Wayne Lorenz, Kate Trusler and Jamie Akens—Mosaic Water Fountains in Pompeii
- 7:00 Rachel Cartwright—Settler and Local Dynamics during the Viking Age Diaspora: New Research on Northern Scotland
- 7:15 Kevin Tillison—Life and Death of Wooden Vessels: Understanding Woodcraft in Early Medieval Ireland, AD 400–1100

[86] SYMPOSIUM ■ RAISE YOUR GLASS TO THE PAST: AN ARCHAEOLOGY OF BEER**Room:** Salon F (H)**Time:** 6:00 p.m.–7:45 p.m.**Chair:** Marie Hopwood**Participants:**

- 6:00 Marie Hopwood—Teaching with Beer: An Archaeology of Beer in and outside of the Classroom
- 6:15 Ryan Williams and Donna Nash—Wari Beer: Production as Practice at the Cerro Baul Brewery
- 6:30 John Arthur—Beer and Feasts in the Highlands of Southern Ethiopia: Ethnoarchaeological and Archaeological Perspectives
- 6:45 Jason Kennedy—Work Is the Curse of the Drinking Class: Beer, Labor, and Class in the Ancient Near East
- 7:00 Justin Jennings, Aleksa Alaica, Matthew Biver and Oscar Huaman—A Final Feast: Molle Beer, Camelid Meat, Smashed Pots, and the Closing of Short-Lived Site in Middle Horizon Peru
- 7:15 Melissa Ayling—Pouring the Past: A Discussion of Authenticity in Re-created Ancient Ales
- 7:30 Michael Homan—Discussant

[87] FORUM ■ ETHICS SHOULD CONCERN EVERYONE: SOLICITING MEMBERSHIP FEEDBACK ON UPDATING THE PRINCIPLES OF ARCHAEOLOGICAL ETHICS*(Sponsored by Ethics Revision Task Force II)***Room:** Ballroom E (ACC)**Time:** 6:00 p.m.–8:00 p.m.**Moderators:** Sara Read, Sarah Miller and Gordon Rakita**Participants:**

- Ben Marwick—Discussant
- John Douglass—Discussant
- Maureen Meyers—Discussant
- Eldon Yellowhorn—Discussant

[88] FORUM ■ SPEED-MENTORING OFFICE HOURS AND PRE-PEER-REVIEW*(Sponsored by Women in Archaeology Interest Group)***Room:** 11AB (ACC)**Time:** 6:00 p.m.–8:00 p.m.**Moderator:** Alison Rautman**Participants:**

- Karen Harry—Discussant
- Leslie Reeder-Myers—Discussant

Gabrielle Vail—Discussant
Carla Sinopoli—Discussant
Patricia Crown—Discussant
Bonnie Pitblado—Discussant
Laura Hronec—Discussant
Dayna Ables—Discussant
Maria Bruno—Discussant
Jennifer Kahn—Discussant

[89] FORUM ■ LEAVERITES AND CURATED COKE CANS: EXPLORING THE IMPACT OF NO COLLECTION POLICIES FROM THE PERSPECTIVE OF REGULATORS, CONSULTANTS, AND REPOSITORIES

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

Room: 12B (ACC)

Time: 6:00 p.m.–8:00 p.m.

Moderator: Tim Riley

Participants:

Bradford Jones—Discussant
Joan Schneider—Discussant
Michael Heilen—Discussant
Mark Warner—Discussant

[90] FORUM ■ THE COLOSSAL ILOPANGO VOLCANIC ERUPTION IN EL SALVADOR AND THE MID-SIXTH-CENTURY WORLDWIDE CLIMATIC CRISIS

Room: 17A (ACC)

Time: 6:00 p.m.–8:00 p.m.

Moderators: William Fowler and Payson Sheets

Participants:

Robert Dull—Discussant
Joel Gunn—Discussant
William Fowler—Discussant
Jon Lohse—Discussant
Timothy Beach—Discussant
Tom Dillehay—Discussant

[91] FORUM ■ DIVERSE EXPERTISE: ON THE IMPORTANCE OF MULTIVOCALITY AND INCLUSION IN ARCHAEOLOGY

(Sponsored by Committee for the Status of Women in Archaeology and the Queer Archaeology Interest Group)

Room: 19A (ACC)

Time: 6:00 p.m.–8:00 p.m.

Moderators: Kirsten Vacca and Katrina Eichner

Participants:

Valerie Bondura—Discussant
Katherine Chiou—Discussant
Katrina Eichner—Discussant
Tiffany Fulkerson—Discussant
Sian Halcrow—Discussant
Laura Heath-Stout—Discussant
Catherine Jalbert—Discussant

Katharine Kolpan—Discussant
 Danielle Schneider—Discussant
 Kylie Tuitavuki—Discussant
 Kirsten Vacca—Discussant
 Joshua Vallejos—Discussant

[92] FORUM ■ DISCOVERIES, COLLECTIONS, AND TRAFFICKING: FEDERAL AGENCIES AND NAGPRA IN 2020: REFLECTING ON THE PAST THREE DECADES AND LOOKING TO THE HORIZON

Room: 13AB (ACC)

Time: 6:00 p.m.–8:00 p.m.

Moderators: Emily Palus and Wendy Sutton

Participants:

Bridget Ambler—Discussant
 Caven Clark—Discussant
 Emily Palus—Discussant
 Peter Pilles—Discussant
 Randy Ream—Discussant
 Kimberley Ryan—Discussant
 Elisa Ryan—Discussant
 Wendy Sutton—Discussant

[93] FORUM ■ A HOLE IN THE FIELD: ANCIENT MAYA STORAGE TECHNOLOGY

Room: 14 (ACC)

Time: 6:00 p.m.–8:00 p.m.

Moderators: Maxime Lamoureux St-Hilaire and David Freidel

Participants:

Jim Aimers—Discussant
 Chloé Andrieu—Discussant
 Kazuo Aoyama—Discussant
 Traci Ardren—Discussant
 Jaime Awe—Discussant
 Keith Eppich—Discussant
 Eleanor King—Discussant
 Sheryl Luzzadder-Beach—Discussant
 Brian McKee—Discussant
 Daniela Triadan—Discussant

[94] SYMPOSIUM ■ BRONZE CRAFT AND TECHNOLOGY: THE TRANSFORMATION OF ANCIENT CHINESE CULTURE INTO THE PHYSICAL WORLD

Room: 17B (ACC)

Time: 6:00 p.m.–8:00 p.m.

Chair: Wen Yin Cheng

Participants:

6:00 Celine Lai—Shang Perspectives for Animals: Evidence from Archaeological and Inscriptional Records
 6:15 Yu Liu, Zhanwei Yue and Deming Kong—The Foundry Workshops and Craft Production of Bronzes in Late Shang Dynasty China (Thirteenth–Eleventh Centuries BC)

- 6:30 Wen Yin Cheng and Chen Shen—Traces of the Bronze Casting Artisans at the Royal Ontario Museum: Analyzing the Bronze Casting Molds
- 6:45 Dongming Wu—A Craft of Destruction: The Phenomenon of Bronze Scraping in Bronze Age China
- 7:00 Matthew Chastain—Bronze-Casting Molds: A Distinct Ceramic Industry in Shang and Zhou Period China?
- 7:15 Yuqi Xiao—Stories under the Patina: A Case Study of Bronze Production and Circulation in Southern Hunan
- 7:30 WengCheong Lam and Shengqiang Luo—Distribution and Supply Network of Bronze Mirrors in the Southern Frontiers of the Han Empire
- 7:45 Xiuzhen Li—Discussant

[95] LIGHTNING ROUNDS ■ DIGITAL ARCHAEOLOGY LIGHTNING TUTORIALS

(Sponsored by Digital Data Interest Group)

Room: 18A (ACC)

Time: 6:00 p.m.–8:00 p.m.

Moderators: Jolene Smith and Kelsey Noack Myers

Participants:

Rachel Fernandez—Discussant
Robert Mark—Discussant
Nicolas Gauthier—Discussant
Chris Webster—Discussant
Cindy Hsin-yee Huang—Discussant
Stephen Wagner—Discussant
Brandon Gay—Discussant
Robert Selden Jr.—Discussant
Zenobie Garrett—Discussant
Jolene Smith—Discussant
Joshua Wells—Discussant

[96] LIGHTNING ROUNDS ■ INTERTWINED HISTORIES: HOW THE SAA SHAPED NAGPRA AND HOW NAGPRA IS SHAPING THE SAA

(Sponsored by Committee on Repatriation)

Room: 16A (ACC)

Time: 6:00 p.m.–8:00 p.m.

Moderators: Lauren Sieg and Nell Murphy

Participants:

Lynne Goldstein—Discussant
Angela Neller—Discussant
Keith Kintigh—Discussant
Andrea Hunter—Discussant
Vincas Steponaitis—Discussant
Katy Mollerud—Discussant
Jess Hendrix—Discussant
William Quackenbush—Discussant

[97] SYMPOSIUM ■ COLLABORATIVE AND COMMUNITY ARCHAEOLOGY

Room: 18C (ACC)

Time: 6:00 p.m.–8:15 p.m.

Chair: Charles Bello

Participants:

- 6:00 Charles Bello—Introduction to Session and Some Case Studies
 6:15 Carolyn Dillian—Working with Non-Federally Recognized Tribes: The Waccamaw Indian People
 6:30 Lydia Wilson Marshall—Toward a More Collaborative Archaeology in Eastern Africa
 6:45 Howard Higgins, Brenda Ireland and Sandra Marion—A View From the Bridge: The Role of Anthropological Consultation in the Twenty-First Century
 7:00 Victoria Monagle—Zooarchaeology and the Legacy of Georgia O’Keeffe
 7:15 Kathryn Newton, Paige Ford, Meghan Dudley, Sarah Luthman and Delaney Cooley—Oklahoma Public Archaeology Network (OKPAN) Engagement and Collaboration with Oklahoma Tribal Nations
 7:30 Sarah Cowie, Diane Teeman, Ashley Long and Patrick “De?ileligi” Burt—Two Case Studies in Indigenous Archaeology by, with, and for American Indian Communities in the Great Basin
 7:45 Carolyn Dillian—Discussant
 8:00 Kevin Nolan—Discussant

[98] SYMPOSIUM ■ INNOVATING ARCHAEOLOGY AND FOSTERING SCHOLARSHIP: PAPERS IN HONOR OF STEPHEN E. PLOG**Room:** Ballroom F (ACC)**Time:** 6:00 p.m.–8:45 p.m.**Chairs:** Carrie Heitman and Rachel Most**Participants:**

- 6:00 Rachel Most—The Legacy and Work of Stephen E. Plog
 6:15 Margerie Green and Shereen Lerner—Collaborative and Interdisciplinary: The Steve Plog Method of Archaeology
 6:30 Jillian Galle and Fraser Neiman—Can Stylistic Elements Variation on Mass-Produced Ceramics Help Us Understand How Enslaved People Acquired Ceramics?
 6:45 Michelle Hegmon and Sarah Striker—Stylistic Variation in Prehistoric Ceramics: Mimbres Geometric Designs
 7:00 Julie Solometo, Wesley Bernardini and Gregson Schachner—Western Pueblo Social Organization Revisited
 7:15 Carrie Heitman and Worthy Martin—The Chaco Research Archive: Research Impacts and Future Prospects
 7:30 Katelyn Bishop—Ritual Practice, Ceremonial Organization, and the Value and Use of Birds in Prehistoric Chaco Canyon, New Mexico
 7:45 Samantha Fladd, Adam Watson, Vernon Scarborough and R. Gwinn Vivian—Implications of Agricultural Practice for Chaco Society
 8:00 Richard Wilshusen—Discussant
 8:15 Paul Minnis—Discussant
 8:30 Stephen Plog—Discussant

[99] SYMPOSIUM ■ NOTIONS AND STRATEGIC USES OF PERSONHOOD AND SOULS AMONG EARLY WOODLAND, MIDDLE WOODLAND, AND POSTCONTACT INDIANS OF THE EASTERN WOODLANDS**Room:** Salon G (H)**Time:** 6:00 p.m.–8:45 p.m.**Chair:** Christopher Carr**Participants:**

- 6:00 William Weeks—Come as Strangers, Leave as Friends: An Invitation to A. Irving Hallowell's Essay on "Ojibwa Ontology, Behavior, and Worldview" for Soul-Searching Archaeologists
- 6:15 Mary Kupsch—Soul Concepts of Postcolonial Woodland and Plains Indians: A Systematic Survey of Specific Ideas in Oral Narratives as a Foundation for an Archaeology of Souls
- 6:30 Brianna Rafidi—Soul Concepts of Postcolonial Woodland and Plains Indians II: A Systematic Survey of Concept Intercorrelations, Meta-themes, and Regional Traditions
- 6:45 Heather Smyth and Christopher Carr—Scioto Hopewell Ideas about Multiple Soul-Like Essences in Humans: Mortuary Expressions in View of Postcolonial Woodland and Plains Soul Concepts
- 7:00 Christopher Caseldine—Soul Journeys to Afterlives: A Systematic Survey of Postcolonial Woodland and Plains Native American Ideas in Oral Narratives as a Foundation for Precolonial Mortuary Studies
- 7:15 Anna Novotny—Souls in Flight: A Scioto Hopewell Ritual Drama about the Journey of Souls of the Deceased to an Afterlife
- 7:30 Mark McConaughy—Bird Effigies at Sugar Run Mound, Pennsylvania, and North Benton Mound, Ohio
- 7:45 Christopher Carr—Scioto Hopewell Souls and Intercommunity Alliance-Making: Three Worldview Metaphors that Scioto Hopewell Peoples Lived
- 8:00 Andrew Seidel—Persons and Places: Ontology and Landscape Use among Kentucky Adena Groups
- 8:15 Kelley Hays-Gilpin—Discussant
- 8:30 Christine VanPool—Discussant

[100] SYMPOSIUM ■ WHEN THE WILD WINDS BLOW: MICRONESIA COLONIZATION IN PACIFIC CONTEXT

Room: 406 (H)

Time: 6:00 p.m.–8:45 p.m.

Chairs: Matthew Napolitano and Scott Fitzpatrick

Participants:

- 6:00 Rintaro Ono, Jason Lebehn, Osamu Kataoka, Takuya Nagaoka and Scott Fitzpatrick—When Did the Early Migrants Reach Pohnpei? Human Migration, Interisland Networks, and Resource Use in Eastern Micronesia
- 6:15 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
- 6:30 Miguel Vilar, Frank Camacho, Gregory Vilshansky, Koji Lum and Theodore Schurr—New Insights into the History of Guam from Genomic Data
- 6:45 Matthew Napolitano, Scott Fitzpatrick, Geoffrey Clark, Esther Mietes and Amy Gusick—Clarifying the Evidence for Early Settlement in Southern Yap, Western Caroline Islands
- 7:00 Maureece Levin, Aimee Miles and Katherine Seikel—Eating Pingelap: Archaeobotanical and Zooarchaeological Perspectives from a Micronesian Atoll
- 7:15 Boyd Dixon and Mike Dega—Placing the Early Pre-Latte Period Site of San Roque on Saipan in Its Broader Context: 1500–1100 BC
- 7:30 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
- 7:45 John Swogger—A Different Way to View the World: Comics, Outreach, and Cultural Heritage in the Islands of Yap and Palau, Micronesia

- 8:00 Timothy Rieth and Ethan Cochrane—Explaining Initial Settlement of the Mariana Islands
- 8:15 Laura Weyrich, Raphael Eisenhofer, Atholl Anderson, Keith Dobney and Scott Fitzpatrick—Utilizing Ancient Oral Microbes to Track Human Migrations across the Pacific Islands: Insights from Palau and Beyond
- 8:30 Torben Rick—Discussant

[101] SYMPOSIUM ■ THE BIG BEND COMPLEX: LANDSCAPES OF HISTORY**Room:** Salon J (H)**Time:** 6:00 p.m.–8:45 p.m.**Chairs:** Emiliano Gallaga and Mark Howe**Participants:**

- 6:00 Bryon Schroeder—Late Archaic Maize in the Trans-Pecos of West Texas: Implications and Future Research
- 6:15 Yuri de la Rosa, José Concepción Jiménez, María Rodríguez Ceja, Miguel Martínez Carrillo and Eva Salas Bautista—La Cueva de las Cornamentas: Cuatro Ciénegas, Coahuila
- 6:30 Emiliano Gallaga and Manuel Reynaldo Parra—Ceramics from a Presidio: Preliminary Results from Presidio San Carlos, Chihuahua
- 6:45 Mark Howe and Nancy Gonzalez—W. T. Millington and the Mexican Revolution: The Search for Battle Sites and Camps
- 7:00 Marisol Gama-Vooz—Across the Rio Grande: The Aerial Ore Tramway, a Case of Industrial Archaeology in the Big Bend Region
- 7:15 David Kilby and Marcus Hamilton—New Dates for Bonfire Shelter, a Multicomponent Rock Shelter in West Texas
- 7:30 Ashley Eyeington—Geoarchaeological Approach to Resolving the Origins of Bison Bone Beds at Bonfire Shelter, 41VV218, Val Verde County, Texas
- 7:45 James Ramsey—Bonfire Shelter: A Zooarchaeological Reevaluation of Bone Bed 2
- 8:00 Zachariah Jamieson—The Quantification of Fire-Cracked Rock in the Lower Pecos Canyonlands and the Edwards Plateau of Texas
- 8:15 Sean Farrell—Refining Chronology and Site Formation Processes at Bone Bed 1, Bonfire Shelter: A Geoarchaeological Approach
- 8:30 William Cloud—Collaboration along the West Texas-Chihuahua/Coahuila Borderlands: A Memorandum of Understanding between the Center for Big Bend Studies and Mexico's Instituto Nacional de Antropología e Historia

[102] SYMPOSIUM ■ ANCIENT MESOAMERICAN POPULATION HISTORY: DEMOGRAPHY, SOCIAL COMPLEXITY, AND CHANGE**Room:** Ballroom G (ACC)**Time:** 6:00 p.m.–9:00 p.m.**Chair:** Arlen Chase**Participants:**

- 6:00 Arlen Chase, Diane Chase and Adrian Chase—Population Estimation in Ancient Mesoamerica: Retrospective and Prospective
- 6:15 Scott Hutson—Preclassic Pop and Classic Community: Demographic Archaeology in Northwest Yucatán
- 6:30 Travis Stanton, Traci Ardren, Nicolas Barth, Juan Carlos Fernandez Diaz and José Osorio León—People, Pixels, and Points per Square Meter: The Challenges of Using Lidar to Estimate Populations in the Northern Maya Lowlands

- 6:45 Rodrigo Liendo—Ancient Population History in the Palenque Region: The Problem of the Selection of Population Proxies
7:00 M. Charlotte Arnauld, Eva Lemonnier and Julien Hiquet—Classic Maya Population Densities as Seen from Rio Bec, Campeche, Mexico
7:15 Elyse Chase, Adrian Chase, Diane Chase and Arlen Chase—Population History for Caracol, Belize: Numbers, Complexity, and Urbanism
7:30 Marcello Canuto and Luke Auld-Thomas—Lidar as a Tool to Estimate Late Classic Population in the Central Maya Lowlands
7:45 David Webster—Diachronic Puzzles in Lowland Maya Demography
8:00 Deborah Nichols, L. J. Gorenflo and Ian Robertson—Basin of Mexico: Prehispanic Population History
8:15 Christopher Pool and Michael Loughlin—Reconstructing Population Histories in the Gulf Lowlands: Review and Prospect
8:30 Michael Smith—Discussant
8:45 Jeremy Sabloff—Discussant

[103] SYMPOSIUM ■ PALEO LITHICS TO LEGACY MANAGEMENT: RUTHANN KNUDSON'S BROAD REACH IN AMERICAN ARCHAEOLOGY

Room: 15 (ACC)

Time: 6:00 p.m.–9:00 p.m.

Chairs: Marcel Kornfeld and Mary Lou Larson

Participants:

- 6:00 Marcel Kornfeld and Mary Lou Larson—Ruthann Knudson: Colleague, Friend, Mentor, and Much More
6:15 Alice Kehoe—Ruthann, the Leader-Hearted Woman—Inawa'sioskitsipaki
6:30 Ann Johnson—Rediscovering the Anzick Site
6:45 John Ives—A Canadian Perspective on Later Paleoindian Technocomplexes and Emerging Genetic Data
7:00 Alwynne Beaudoin—Points, Ponds, and Palaeoecology: Almost 60 Years of Study at the Fletcher Site (DjOw-1) in Southern Alberta
7:15 Stance Hurst and Eileen Johnson—Decoding Knudson's Flintknappers: A 3D Model Analysis of the Plainview Bison Kill Projectile Points
7:30 Jesse Ballenger, Dakota Larrick and Alexander Craib—Type Name Dalton, a Knudsonian Perspective
7:45 Juliet Morrow and Stuart Fiedel—Toward More Accurate Reconstructions of Paleoindian-Era Social Systems
8:00 Mary Lou Larson and Marcel Kornfeld—Hell Gap and Its Changing Roles
8:15 Linea Sundstrom—Lame Bull Speaks: The Lukin Ledger and Pikuni Blackfoot History
8:30 Jeanne Moe—Ruthann Knudson: Legacy of Education and Public Outreach
8:45 Margaret Conkey—Discussant

[104] SYMPOSIUM ■ ADVANCES IN DIGITAL ARCHAEOLOGY PRACTICE

Room: 16B (ACC)

Time: 6:00 p.m.–9:00 p.m.

Chairs: Laura Harrison and Davide Tanasi

Participants:

- 6:00 Elisa Bonacini, Davide Tanasi, Laura Harrison and Kaitlyn Kingsland—3D Depth Sensing Applied to the Case Study of the Prehistoric "Genovese" Cave in the Levanzo Island (Trapani, Italy)

- 6:15 Kaitlyn Kingsland, Reece Combs, Davide Tanasi, Stephan Hassam and Paolino Trapani—The Digital Afterlife of a Prehistoric Cemetery: The Case of Cozzo del Pantano (Siracusa, Italy)
- 6:30 Maria Chiffi, Francesco Gabellone, Angela Ciancio and Luigi La Rocca—3D Digital Imaging solutions for Global Enjoyment of Mount Sannace Archaeological Park (Bari, Italy)
- 6:45 Stephan Hassam, Davide Tanasi and Kaitlyn Kingsland—Digital Photogrammetry and Terrestrial Laser Scanning Applied to the Roman Hypogeum of Crispia Salvia in Lilybaeum (Marsala, Italy)
- 7:00 Davide Tanasi, Robert Brown, David Cardona and Benedict Lowe—The Virtualization of the Archaeological Site and Museum of the Roman Domus of Rabat (Malta)
- 7:15 Questions and Answers
- 7:30 Francesco Gabellone, Maria Chiffi, Davide Tanasi and Michael Decker—3D Mosaics: Integrated Technologies for Indirect Documentation, Conservation, and Engagement of the Roman Mosaics of Piazza Armerina (Enna, Italy)
- 7:45 Denise Cali, Kaitlyn Kingsland, Davide Tanasi, Laura Harrison and Stephan Hassam—The Benefits of 3D Digital Imaging for the Study of Roman Villas in Sicily: The Villa of Cadeddi on the Tellaro River (Noto, Italy)
- 8:00 Matt King, Davide Tanasi, Kaitlyn Kingsland, Stephan Hassam and Reece Combs—Resurrecting Islam in Medieval Malta using 3D Digital Methods
- 8:15 Laura Harrison and Brooke Hansen—Mixed Methods Digital Heritage Research at Egmont Key, FL
- 8:30 Kristin Donner and Laura Harrison—Mix, Mold, Fire! Multimedia Educational Outreach Inspired by Bronze Age Archaeology
- 8:45 Elliot Alvarez—Improvements and Possibilities in Digital Artifact Processing and Accessibility

[105] GENERAL SESSION ■ ARCHAEOLOGY OF THE ANDES: THE MIDDLE HORIZON AND BEYOND

Room: 19B (ACC)

Time: 6:00 p.m.–9:00 p.m.

Chair: Paul Goldstein

Participants:

- 6:00 David Reid—Dating a Wari D-Shaped Temple: New Radiocarbon Evidence from Pakaytambo, Arequipa, Peru
- 6:15 Jonah Augustine—Common Sense and the Distribution of the Sensible in Ancient Tiwanaku, AD 500–1100
- 6:30 Sophie Reilly and Andrew Roddick—A Taste for Tubers: The Circulation of the Familiar through the Ancient Titicaca Basin
- 6:45 Matthew Sitek—Communities in the Campo: Household Excavations at a Tiwanaku Frontier Settlement in the Middle Locumba Valley, Peru (ca. AD 500–1100)
- 7:00 Paul Goldstein—Contextualizing Tiwanaku Geoglyphs and Petroglyphs in Time, Space and Settlement History, Moquegua and Locumba Valleys: Trail of the Art; Art of the Trail
- 7:15 Izumi Shimada, Haagen Klaus, Brandi MacDonald, Ken-ichi Shinoda and Amy Szumilewicz—Cross-Disciplinary Testing of the Multi-lineage Governance Model: Middle Sicán Case
- 7:30 Paloma Cuello del Pozo, Jose Peña and J. Eduardo Eche Vega—Preliminary Analyses of Archaeological Pollen from the Casma Site of El Campanario, Huarmey, Peru: A Cautionary Tale for Archaeologists

- 7:45 Jessica Smeeks—Enemies and Allies: GIS Analyses of Late Intermediate Period Defensibility and Settlement Patterns in the Huamanga Province of Peru
- 8:00 Samantha Seyler—Terraces All the Way Down: A Comparative Analysis of Agricultural Landscapes within the Mantaro Valley and the Ceja de Montaña to the East
- 8:15 Mauricio Uribe—Las Chacras del Inka en Tarapacá: Imperio o gobernanza en el Tawantinsuyu de los Andes Centro Sur
- 8:30 Nina Castillo and Giancarlo Marcone—Los pescadores de Cerro Azul, un caso de la costa centro sur del Peru
- 8:45 Manuel Calongos Curotto—Between Incas and Lunahuanás: The Late Prehispanic Occupation in Lunahuaná, Peru

[106] SYMPOSIUM ■ THEM AND US: TRANSMISSION AND CULTURAL DYNAMISM IN THE NORTH OF PERU BETWEEN AD 500 AND 950: A VISION SINCE THE RECENT NORTHERN INVESTIGATIONS

Room: 12A (ACC)

Time: 6:00 p.m.–9:15 p.m.

Chairs: Solsiré Cusicanqui and Edgar Bracamonte Lévano

Participants:

- 6:00 Solsiré Cusicanqui—Identity through Movement: Domestic Political Units and Pan-Andean Relations in Prehispanic Cajamarca
- 6:15 Aleksa Alaica—Herding and Late Moche Politics: Camelid Offerings as Long-Distance Tribute, a Look through Stable and Radiogenic Isotopic Evidence from Huaca Colorada, Jequetepeque Valley, Peru
- 6:30 Luis Muro—From Discrete Frontiers to Crosscutting Religious Networks: Religious Monuments and Cultural Syncretism in the Peruvian North Coast and Highland, Ninth–Eleventh Centuries AD
- 6:45 Edgar Bracamonte Lévano—Ritual Areas in Santa Rosa de Pucalá and Its Implications in Territorial and Sociopolitical Dynamism in the Lambayeque Valley, AD 650–950
- 7:00 Jennifer Ringberg—Meeting in the Middle: Cultural Dynamics of Early Intermediate Period Highland Colonies in the Middle Moche Valley, Peru
- 7:15 Shinya Watanabe—Cultural Diversity and Its Implications: A Case Study from Middle Horizon Cajamarca, Northern Highlands of Peru
- 7:30 Stephen Berquist—Tecapa: Monumental Evidence of Sociopolitical Transformation on the North Coast of Peru, 800–1000 CE
- 7:45 Howard Tsai—Espacio ritual como área de producción de la identidad étnica: El caso de Las Varas, un sitio del valle medio del Jequetepeque, Perú
- 8:00 Jason Toohey and Patricia Chirinos Ogata—A Cajamarca Basin Perspective on Northern Highland Interaction during the Middle Horizon and Late Intermediate Periods
- 8:15 Warren Church—Wari Expansion into Peru's Northeastern Andes: New Evidence and New Questions
- 8:30 Go Matsumoto, Gabriela de los Ríos and Gabriel Villegas—The Lambayeque Sociopolitical System Viewed from a Multivalley Perspective
- 8:45 George Lau—Discussant
- 9:00 Jeffrey Quilter—Discussant

[107] SYMPOSIUM ■ CHANGING PERCEPTIONS: CASE STUDIES IN GEOPHYSICAL SURVEY

Room: 18B (ACC)

Time: 6:00 p.m.–10:00 p.m.

Chairs: Bret Ruby and Friedrich Lueth

Participants:

- 6:00 Bret Ruby, Rainer Komp, Friedrich Lüth, Lukas Goldmann and Sebastian Messal—Geophysics and Changing Perceptions of the Hopewell Mound Group
- 6:15 Timothy Everhart—Digging Data: Refining Interpretations of Geomagnetic Surveys of Scioto Hopewell Ceremonial Landscapes
- 6:30 Scott Hammerstedt, Patrick Livingood, Jami Lockhart, Amanda Regnier and John Samuelsen—Multisensor Geophysical Survey at Spiro Mounds: Changing the Landscape
- 6:45 Jami Lockhart, George Sabo III and Jerry Hilliard—Geophysics, Discovery, and Changing Perceptions in the Protohistoric Arkansas River Valley
- 7:00 Adam Wiewel—Twenty-First Century Archaeological Geophysics in the National Park Service
- 7:15 Margaret Wilkes—NPS Northeast Region Archeology Program Remote Sensing: An Integrated Approach to Archaeological Research
- 7:30 Chris Gaffney, Tom Sparrow, Alex Corkum, Helen McCreary and Chrys Harris—Prospecting and the Interpretation of Twentieth-Century Sport and Leisure: Events, Sites, and Landscapes
- 7:45 Questions and Answers
- 8:00 Friedrich Lueth, Sebastian Messal, Anja Behrens, Guillaume Bruniaux and Victor Legrand—Large-Scale and High-Resolution Magnetometry of a Neolithic Landscape with Megalithic Monuments in Western France: Preliminary Results
- 8:15 Lukas Goldmann—The Use of GIS and GeoServer for Landscape-Scale Geophysical Surveys: The Case Study of Mont Lassois
- 8:30 Vincent Ard, Friedrich Lüth, Vivien Mathé and Antoine Laurent—Back to the Field: Megalithic Quarries as a Marker of Neolithic Landscape (Tusson, France)
- 8:45 Steffen Wolters, Anja Behrens, Moritz Mennenga and Martina Karle—Relicts under the Bog: Reconstruction of the Neolithic Landscape and Vegetation in the Ahlen-Falkenberger Bog in Northwestern Germany
- 9:00 Julia Ebert, Paul Cheetham, Friedrich Lüth and Behrens Anja—An Early and Middle Neolithic Ritual Landscape in Northeast Germany: Survey and Excavations on Monumental Structures of the Funnel Beaker Culture in Western Mecklenburg
- 9:15 Rainer Komp—The Roman Auxiliary Camp “Augusta Praetoria”
- 9:30 Gregory Tucker—Geophysical Survey in the Nile Valley: Changing Perceptions of Ancient Landscapes in the Jebel Barkal Region
- 9:45 Questions and Answers

[108] SYMPOSIUM ■ THE IRON AGE OF NORTHWEST PORTUGAL: LEFTOVERS OF BEHAVIOR**Room:** Salon K (H)**Time:** 7:30 p.m.–9:45 p.m.**Chair:** Mariah Wade**Participants:**

- 7:30 Pedro Brochado De Almeida—Bagunte: Learning Behaviors from Reconstruction and Excavation
- 7:45 John Duncan Hurt—Social and Behavioral Implications of Architecture at the Cidade de Bagunte
- 8:00 Ruth Van Dyke—Materiality and Memory in Northwest Iberia: Water, Metal and Stone
- 8:15 Ana Almeida—The Lure of the Sea: Objects and Behaviors
- 8:30 Elizabeth de Marigny—Copyright CAMAL: The Use of Pot Marks as Trademarks on Late Iron Age Storage Vessels in the Littoral Northwest Region of Iberia
- 8:45 Jordan Bowers—Understanding Textile Production at Cidade de Bagunte

- 9:00 Nadya Prociuk—Silver against Skin: Exploring the Materiality of the Cividade de Bagunte Torques
9:15 Mariah Wade—Glass: Breathing into Matter
9:30 Questions and Answers

[109] SYMPOSIUM ■ UNEARTHING PANDORA’S BOX: ADDRESSING THE CONTEMPORARY ETHICS OF PRECOLUMBIAN MUSEUM COLLECTIONS

Room: Salon F (H)

Time: 8:00 p.m.–9:45 p.m.

Chairs: Jennifer Mathews and Lucía Abramovich

Participants:

- 8:00 Patricia Ledesma Bouchan—Getting the Archaeological Context Back: Some Principles of the Museology in Templo Mayor, Mexico
8:15 Andrew Hamilton—The Ethics of the Visible in the Visual Arts
8:30 Victoria Lyall—The Role of Precolumbian Collections in Contemporary Discussions of Identity, Heritage, and Home
8:45 Julia Burtenshaw—“If We Understand Each Other, We Are Family”: A Case Study for Collaboratively Curating Ancient Colombian Objects in the Los Angeles County Museum of Art (LACMA)
9:00 Rosario Granados, Astrid Runggaldier, Catherine Popovici and Kendyll Gross—Knowledge to Share: A Reflection on the Collaboration between the Blanton Museum of Art and the UT Art and Art History Collection
9:15 Lucía Abramovich and Jennifer Mathews—The Nuts and Bolts of Collaboration: The Precolumbian Collection as a Bridge between Curators and Professors
9:30 Michelle Rich—Discussant

[110] FORUM ■ SOCIAL AND ECONOMIC THEORIES IN ARCHAEOLOGY: TENSIONS AND POTENTIALS

Room: 18D (ACC)

Time: 8:00 p.m.–10:00 p.m.

Moderators: Phacharaphorn Phanomvan and Margaret Burr

Participants:

- Margaret Burr—Discussant
Phacharaphorn Phanomvan—Discussant

Friday Morning ■ April 24, 2020

[111] SYMPOSIUM ■ TOWARD AN INTERNATIONAL COOPERATION FRAMEWORK FOR ROCK ART RESEARCH*(Sponsored by ICOMOS, UNESCO)***Room:** Salon F (H)**Time:** 8:00 a.m.–9:15 a.m.**Chair:** Benjamin Smith**Participants:**

- 8:00 Rahman Abdullayev and Vugar Isayev—Scientific Research at Gobustan National Historical Artistic Preserve and International Collaboration
- 8:15 Yasha Zhang and Tingliang Zhang—Discovery and Research of Chinese Paleolithic Rock Art
- 8:30 Kelley Hays-Gilpin—The Peculiar and Multifaceted State of Rock Art Site Management in the Western United States
- 8:45 Thomas McClintock, Terry Little, Janette Deacon and Neville Agnew—The Rock Art Network: Fostering Support for Rock Art Preservation
- 9:00 Knut Helskog—Discussant

[112] SYMPOSIUM ■ THE ARCHAEOLOGY OF BUILDINGS IN COLONIAL CONTEXTS**Room:** 18B (ACC)**Time:** 8:00 a.m.–9:45 a.m.**Chair:** Stephen Mrozowski**Participants:**

- 8:00 Stephen Mrozowski—Hybrid Architectural Forms in Colonial New England
- 8:15 Audrey Horning—Efficacious Objects? Architecture and Dwelling in the Ulster Plantation
- 8:30 Heather Law Pezzarossi—Reconsidering Residence: Deprivileging Settler Landscapes in the Study of Eighteenth- and Nineteenth-Century Nipmuc Dwellings
- 8:45 Katherine Albert and Heather Trigg—Understanding the Construction of Seventeenth-Century Spanish Colonial Architecture and Its Role in the Process of Colonizing the American Southwest
- 9:00 Sarah Carr and Stephen Silliman—Housing a Reservation: Eastern Pequot Architectural Investment and Use in Nineteenth-Century Connecticut
- 9:15 Kathleen Corbett and Bonnie Clark—Families, Buildings, and Borders: The Architecture of Cultural Interaction along the Santa Fe Trail
- 9:30 Robert Preucel—Discussant

[113] FORUM ■ TEXAS TRIBAL PERSPECTIVES: COLLABORATIVE EFFORTS IN ARCHAEOLOGY, HISTORY, TRADITIONAL CULTURAL PROPERTY STUDIES, AND CULTURAL RESOURCE MANAGEMENT**Room:** Ballroom F (ACC)**Time:** 8:00 a.m.–10:00 a.m.**Moderators:** Kristen Mt. Joy, Raelynn Butler and Bryant Celestine**Participants:**

- Mary Galindo—Discussant
- Eddie Anico—Discussant
- Erin Paden—Discussant
- Holly Houghten—Discussant
- Aina Dodge—Discussant
- Marie Archambeault—Discussant

Lauren Norman Brown—Discussant
Turner Hunt—Discussant
Paul Marceaux—Discussant
Emman Spain—Discussant
Donald Patterson—Discussant
Kristi Miller Nichols—Discussant

[114] FORUM ■ REGIONAL LEADERSHIP FORUM
Room: 18A (ACC)
Time: 8:00 a.m.–10:00 a.m.
Moderator: Jaime Donta

Participants:

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

[115] FORUM ■ GLOBAL COLLABORATIVE EFFORTS TO ADDRESS ISSUES FACING MODERN SOCIETY
Room: 12A (ACC)
Time: 8:00 a.m.–10:00 a.m.
Moderator: Jeffrey Altschul

Participants:

Keith Kintigh—Discussant
Terry Klein—Discussant
Stefani Crabtree—Discussant

[116] FORUM ■ DIGITIZING SENSITIVE SITE DATA: SUCCESS STORIES AND SIGNIFICANT CONCERNS IN SOVEREIGNTY-DRIVEN DATA MANAGEMENT BY TRIBES AND THEIR PARTNERS
Room: 14 (ACC)
Time: 8:00 a.m.–10:00 a.m.
Moderators: Allyson Brooks, John Welch and Valerie Grussing

Participants:

Jessica Mauck—Discussant
Matt Peeples—Discussant
Ryan Spring—Discussant
Briece Edwards—Discussant
Catherine Dickson—Discussant

[117] FORUM ■ ARCHAEOLOGICAL APPROACHES TO ANTHROPOGENIC FIRE AND GLOBAL PYRODIVERSITY
Room: 17B (ACC)
Time: 8:00 a.m.–10:00 a.m.
Moderator: Grant Snitker

Participants:

Alan Sullivan—Discussant
 Christopher Roos—Discussant
 Kent Lightfoot—Discussant
 Linn Gassaway—Discussant
 Kelly Derr—Discussant
 Douglas Bird—Discussant
 Rachel Loehman—Discussant
 Anna Klimaszewski-Patterson—Discussant

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

(Sponsored by Media Relations Committee)

Room: 13AB (ACC)

Time: 8:00 a.m.–10:00 a.m.

Moderator: Nezahualcoyotl Xiuhtecutli

Participants:

Farrell Monaco—Discussant
 Tanya Peres—Discussant
 Andrea Vianello—Discussant

[119] POSTER SESSION ■ ARCHAEOLOGY OF THE CONTACT PERIOD

Room: Exhibit Hall 4 (ACC)

Time: 8:00 a.m.–10:00 a.m.

Participants:

- 119-a Rachel Thimmig and Kacy Hollenback—Rising from the Ashes: Post-smallpox Epidemic Changes in Pottery Firing Regimes on the Northern Plains
- 119-b Alex Garcia-Putnam and Maria Smith—The Biocultural Consequences of Forced Labor at the Obraje de San Marcos de Chincheros, Ayacucho, Peru
- 119-c Edgar Alarcón Tinajero and Samuel Hillman—Biodistance at the Core of Empire: Biological and Cultural Admixture in Early Colonial Mexico City
- 119-d Linda Scott Cummings—Introduction of Wheat into North America: The Role of Spanish Missionaries
- 119-e Donald Gaylord and Eric Herrera—The First Alamo: The Remains of the San Francisco Solano Mission Complex
- 119-f Abigail Musch, Anna Semon and Thomas Blaber—Artifact Analysis from STP Surveys Provides Perspective on Landscape Use
- 119-g Brandi Bethke, Emily Lena Jones, Gregory Hodgins and William Taylor—Archaeofaunal and Biomolecular Evidence for Early Adoption and Use of Domestic Horses in the American West
- 119-h Gwen Bakke—The Aftermath of Colonization: Wichita Subsistence Change in the Southern Plains
- 119-i Josefina Vasquez Pazmino—GIS-Toponyms Analysis in Colta Lake Valley (Chimborazo, Ecuador)
- 119-j Flavia Morello Repetto, Luis Borrero, Manuel San Román, Fabiana Martin and Marta Alfonso-Durruty—Elizabeth Island (Strait of Magellan) at the Crossroads of Marine and Terrestrial Worlds of Fuego-Patagonia
- 119-k Elspeth Geiger and Emma Creamer—Fur, Seed, and Need: New Subsistence Data from an Early Historic Occupation on Drummond Island
- 119-l Gabriela Montero—Postclassic to Colonial Ceramic Adaptations in the Eastern Lower Papaloapan Basin

- 119-m Alicia Torres Porras, Patricia Plunket Nagoda and Gabriela Uruñuela Ladrón de Guevara—Explorando la transición del Posclásico a la Colonia en Cholula, Puebla: 1519–1540
- 119-n Hannah Hoover—An Analysis of Soapstone “Gaming” Disks from the Berry Site in Western North Carolina
- 119-o Rosemary Lieske—Urbanism and the Conquest: Geophysical Survey at Ciudad Vieja, El Salvador
- 119-p Scott Ferrara—Considering Plants as Indicators of Protohistoric Cultural Change in Mohawk Valley, NY

[120] POSTER SESSION ■ CERAMIC STUDIES

Room: Exhibit Hall 4 (ACC)

Time: 8:00 a.m.–10:00 a.m.

Participants:

- 120-a Scott Van Keuren, Jeffrey Ferguson and Mark Agostini—Gray Ware Pottery Circulation and the Eruption of Sunset Crater
- 120-b Kelly Plevniak—Temperature and Temper: Analysis of Organic and Inorganic Tempered Clay through FTIR
- 120-c Manasij Pal Chowdhury, Stuart Campbell, Sharon Fraser, Bart van Dongen and Michael Buckley—What’s Cooking? A Multipronged Approach to Analyze Ceramic Residues from Tell Khaiber 1
- 120-d Samantha Bomkamp—Digging into Collections: Ceramic Analysis of Casas Grandes Vessels at the Milwaukee Public Museum
- 120-e Adam Hartman—Roman Fine Ware Ceramics from the Hinterland of Molyvoti, Thrace
- 120-f Sarah Oas and Matt Peeples—Portion Control: Estimating Vessel Volume and Storage Capacity in the Eastern Cibola Region, New Mexico
- 120-g Rebekah Rakowski, Kateea Peterson and John Dudgeon—Mapping Ceramics: A Multimodal Petrographic Analysis of Various Ceramics Utilizing ArcGIS

[121] POSTER SESSION ■ LANDSCAPE AND IDENTITY IN PREHISPANIC MEXICO: A VIEW FROM THE EDGE

Room: Exhibit Hall 4 (ACC)

Time: 8:00 a.m.–10:00 a.m.

Chairs: Axayacatl Medina Rosas and Bridget Zavala Moynahan

Participants:

- 121-a Axayacatl Medina Rosas—Identidad en función de las Unidades de Convivencia, en el sitio arqueológico de Corral de Piedra, en el estado de Durango, México, durante el siglo X
- 121-b Bridget Zavala Moynahan—The View from Above: Landscape and Dwelling in the Sextin Valley, Durango, Mexico
- 121-c Zitlalli Teresa González Guzmán—Piedras Tacitas: Un estudio de Morteros en los Berros, Durango
- 121-d Jazmin Alvarado and Daniel Pineda—Uso de plantas a través de restos macrobotánicos en dos sitios en el norte del estado de Durango
- 121-e Abril Ameyalli Medina Hernández and Fabiola Hoyos Velasco—Mitología y cosmovisión maya
- 121-f Elizabeth Bagwell—Prehistoric Architectural Construction Utilizing Boulders in Durango, Mexico: A Case Study from Santa Maria del Oro

[122] POSTER SESSION ■ RESEARCH HOT OFF THE TROWEL IN THE UPPER GILA AND MIMBRES AREAS**Room:** Exhibit Hall 4 (ACC)**Time:** 8:00 a.m.–10:00 a.m.**Chairs:** Karen Schollmeyer and Jeffery Clark**Participants:**

- 122-a Christopher Fuchs—Moral Standing and Site Preservation
- 122-b Kailey Loughran and John Welch—Ancient (In)Security in the Upper Salt River Canyon, Arizona
- 122-c James Margotta and Maxwell Forton—This Was Never Wilderness: An Archaeological Survey in Gila National Forest
- 122-d Mary Whisenhunt, John Roney, Robert Hard, Lori Barkwill Love and Toni Lambach—Living on the Mimbres Western Edge: Regional Affiliation in Arizona's Upper Gila River Valley, AD 750–1300
- 122-e David Lewandowski—Persistent Places, Settlement Patterns, and Shifting Relations in the Mogollon Highlands: A Case Study along Eagle Creek, Eastern Arizona
- 122-f Stephen Uzzle—Mobility as a Land-Use Strategy in Prehispanic Southwest New Mexico
- 122-g Christopher Adams—Mimbres Exploitation of Native Copper on the Gila National Forest, New Mexico
- 122-h Jordan Scott—Connections between the Mimbresños People and Local Avian Species
- 122-i William Walker and Judy Berryman—Ritual Closure: A Countermeasure to Witchcraft
- 122-j Zaynab Chamalian and Karen Schollmeyer—Floor Features and Room Closure Deposits at Cliff Phase Salado Sites in Southwest New Mexico
- 122-k Sarah Hinton and Kelsey Hanson—Let's Get Crafty: Social and Spatial Organization of Craft Specialization in the Aftermath of Migration
- 122-l Sean White and Karen Schollmeyer—Mealing Bins: An Analysis of Cultural Connections
- 122-m Danielle Romero—Looking through the Mirror: Design Similarities on Mimbres Decorated and Corrugated Ceramics
- 122-n Elizabeth Shikrallah and Danielle Romero—Costume or Chimera: Hybrid Human/Animal Imagery on Mimbres Ceramics
- 122-o Lindsey Cron, Jordan Scott, Ashlyn Wagoner, Dustin Wagner and Fumi Arakawa—The 2019 New Mexico State University Field School at South Diamond Creek Pueblo

[123] POSTER SESSION ■ SCALING POTTING NETWORKS: RECENT CONTRIBUTIONS FROM CERAMIC PETROGRAPHY**Room:** Exhibit Hall 4 (ACC)**Time:** 8:00 a.m.–10:00 a.m.**Chairs:** C. Trevor Duke and John Lawrence**Participants:**

- 123-a Domenique Sorresso, C. Trevor Duke, Gifford Waters and Charles Cobb—From Missions to Markets: Petrographic Analysis of Indigenous Ceramic Manufacture and Spanish Colonial Influence on San Marcos Pottery
- 123-b C. Trevor Duke, Neill Wallis and Ann Cordell—Networks of Embodied Practice: Personhood, the Body, and Potting Skill in the North American Southeast
- 123-c John Lawrence and Scott Fitzpatrick—A Synthesis of Carriacou's Networks through the Objectives of Ceramic Petrography

- 123-d Ann Cordell and Maureen Meyers—Petrographic Analysis of Sherds from a Fourteenth-Century Mississippian Frontier Chiefdom in Southwestern Virginia
- 123-e Andrea Torvinen and Matt Peebles—A Monte Carlo Approach to Estimating Plausible Ceramic Similarity Values from Fabric Characterizations

[124] SYMPOSIUM ■ FINDING FIELDS: LOCATING AND INTERPRETING ANCIENT AGRICULTURAL LANDSCAPES

Room: 16B (ACC)

Time: 8:00 a.m.–10:45 a.m.

Chairs: Madeleine McLeester and Jesse Casana

Participants:

- 8:00 Jesse Casana and Madeleine McLeester—The State of the Field: Emerging Approaches to the Archaeology of Agricultural Landscapes
- 8:15 Elise Jakoby Laugier and Jesse Casana—Agricultural Landscapes of the Mesopotamian-Zagros Borderlands
- 8:30 Mark McCoy, Jesse Casana and Thegn Ladefoged—Field Systems, Urbanism, and State Formation in the Hawaiian Islands
- 8:45 Madeleine McLeester and Jesse Casana—Locating Wisconsin's Past Indigenous Agricultural Landscapes Using Historical Aerial Photography
- 9:00 Mark Schurr and Madeleine McLeester—Isotopic Evidence for Protohistoric Field Locations in Northeastern Illinois
- 9:15 Andrew Bauer—Cultivating Problems and Constituting Publics: Fertile Fields and the Social History of the Medieval Deccan, Southern India
- 9:30 Thegn Ladefoged, Rod Wallace, Alex Jorgensen, Paul Augustinus and Matthew Prebble—Gardening and Niche Construction at Waitetoke, Ahuahu (Great Mercury Island), New Zealand
- 9:45 BrieAnna Langlie, John Wilson, Jacob Frank and Matthew Chmura—Finding Terraces in the Lake Titicaca Basin, Peru
- 10:00 James Countryman—Feral Fields of the Eastern Adriatic Coast: Queering Boundaries of Cultivation and Wildness
- 10:15 Anabel Ford—Intensification without Modification: Tropical Swidden and the Maya
- 10:30 Naomi Miller—Discussant

[125] SYMPOSIUM ■ RISKY BUSINESS: COMPARATIVE APPROACHES TO RISK AND RESILIENCE IN DRYLAND ENVIRONMENTS, PART 1

Room: Salon K (H)

Time: 8:00 a.m.–11:15 a.m.

Chairs: Emily Dawson and Camille Weinberg

Participants:

- 8:00 Emily Dawson—Discussant
- 8:15 Camille Weinberg, Jo Osborn, Kelita Pérez Cubas and Richard Espino Huaman—Where the Wild Things Grow: Desert Resources and Risk Management on the Peruvian Coast
- 8:30 Ari Caramanica—The Pampa de Mocan: Dynamic Desert, Ancient Farmland
- 8:45 Benjamin Vining, Daniel Contreras and Aubrey Hillman—The Organization and Scale of Agroecological Networks in Arid Environments of Coastal Peru as Risk Factors during Abrupt Climatic Shifts
- 9:00 Elizabeth Pintar and Maria Fernanda Rodriguez—Plant Dependency and Risk Management Strategies in the Andean Puna

- 9:15 Andrew Gillreath-Brown, Kyle Bocinsky and Tim Kohler—Food Risk and Maize Production: Experiments in Combining Low-Frequency and High-Frequency Temperature Signals in the Southwestern United States
- 9:30 Questions and Answers
- 9:45 Craig Fertelmes and Colleen Strawhacker—You Reap What You Sow: Long-Term Consequences of Divergent Hohokam Subsistence Strategies in the Queen Creek Drainage of Arizona
- 10:00 Heather Trigg—Challenges of Colonizing a Marginal Environment: Risk and Failure in Early Colonial New Mexico
- 10:15 Blair Heidkamp, Yorke Rowan, Alexander Wasse and Gary Rollefson—There and Back Again: Ground Stone Evidence of Seasonality at Structure W80, Wisad Pools, Jordan
- 10:30 Abigail Buffington—Palm Reading: Palm Tree Stands as Cultural Landscapes in Arid Zones
- 10:45 Arlene Rosen and Lisa Janz—“The Brown Steppe Is Like an Ancient Story”: Foraging the Arid Steppe and Wetlands in the Middle Holocene of the Mongolian Gobi Desert
- 11:00 Joy McCorriston—Discussant

[126] SYMPOSIUM ■ ANCIENT MESOAMERICAN EXCHANGE SYSTEMS AND ECONOMY: BUILDING ON THE WORK OF RONALD BISHOP, PART 1

Room: Salon G (H)

Time: 8:00 a.m.–11:30 a.m.

Chairs: Hector Neff

Participants:

- 8:00 Russell Skowronek and Juan Gonzalez—From Miocene Volcanoes to Spanish Colonial Missions: Ron Bishop’s Contributions to the Prehistoric Archaeology of Texas and the Historical Archaeology of California
- 8:15 Frederick Lange—INAA Identification of Greater Nicoya’s Ceramic Schools, Families, and Their Stability
- 8:30 Hector Neff, Clifford Brown and Kelsey Willis—NAA Evidence for Extension of the Providencia-Miraflores Interaction Sphere into Northwestern Nicaragua
- 8:45 Daniela Triadan—Changes in Ceramic Production and Distribution at Ceibal, Guatemala
- 9:00 Socorro Jimenez, Charles Golden and Andrew Scherer—The Ceramic Laboratory of FCA-UADY: The Influence of R. L. Bishop on the Ceramic Technology Studies in the Usumacinta River Basin of Chiapas, Mexico
- 9:15 Kirk Straight—Once Upon a Time in the West: Pottery Consumption at Palenque, a Compositional Perspective
- 9:45 Miriam Judith Gallegos Gomora and Ricardo Armijo Torres—The Figurines: Evidence of Trade, Rituals, and Identities among the Peoples of the Gulf of Mexico Coast
- 10:00 Rafael Cobos—The Study of Chichen Itza’s Fine-Orange: Ron Bishop and His Contributions to Northern Maya Lowlands Archaeology
- 10:15 Joseph Ball—Potting and Polychromy at Late and Terminal Classic Buenavista del Cayo, Belize: What NAA and Archaeology Say of What Was and Was Not
- 10:30 Antonia Foias—Maya Polychrome Production and Exchange in the Southern Lowlands: Lessons from the Ik’ Polychrome Style of Motul de San José
- 10:45 Dorie Reents-Budet—Too Many Sherds, Not Enough Time: The Contributions of Ronald L. Bishop to Studies of Ancient Maya Ceramics
- 11:00 Questions and Answers
- 11:15 Christopher Pool—Discussant

[127] SYMPOSIUM ■ PEOPLING THE ANCIENT AMERICAS: PERSONHOOD, ANIMISM, AND SACRED LANDSCAPES

Room: 15 (ACC)

Time: 8:00 a.m.–11:30 a.m.

Chairs: Brent Woodfill and Lucia Henderson

Participants:

- 8:00 Brent Woodfill and Lucia Henderson—Missing Persons: Animate Landscape and Nonhuman Persons in Ancient Maya Ritual Economy
- 8:15 David Maki, Dianne Desrosiers and Sigrid Arnott—Thunder Beings and Human Interactions: Lightning-Induced Magnetic Remanence in the Ancient Landscape
- 8:30 Kurt Dongoske, Giorgio Hadi Curti and Octavius Seowtewa—Contested Geographies and Zuni Efforts to Protect Their Inheritance: The Role of Epistemology and the Problem of Representation
- 8:45 Jennifer Saracino—Placing Tlaloc: Indigenous Markers of Sacred Place in the Uppsala Map of Mexico City (ca. 1540)
- 9:00 Sarah Jackson and Linda Brown—Persons, Places, and Dreams: Relationships Mediated by Residential Spaces at Classic Maya Say Kah, Belize
- 9:15 Joel Palka and Alice Balsanelli—Contemporary Lacandon Ritual Landscapes and Ancient Maya Shrine Archaeology in Chiapas, Mexico
- 9:30 Questions and Answers
- 9:45 Jonathan Dubois—Linked by the Living Land: Cacao as a Relational Agent in Intercontinental Interactions during the Formative Era
- 10:00 Dennis Ogburn, Bill Sillar and Alexei Vranich—Sacred Quarries and Sacred Stones in Cusco: Bringing the Sacred Landscape into the Inka Capital
- 10:15 Nicola Sharratt and Ryan Williams—Extractive Activities and Animate Landscapes: Apu and Resource Acquisition in the Andes
- 10:30 Christopher Davis—Whispers of a World That Was: South American Animism of the Amazon-Orinoco Basins
- 10:45 Anna Roosevelt—Animism in Amazonia
- 11:00 Eleanor Harrison-Buck—Discussant
- 11:15 Lisa Lucero—Discussant

[128] SYMPOSIUM ■ REMAKING MAYA CIVILIZATION: SOCIAL AND POLITICAL TRANSFORMATIONS IN THE PROTOCLASSIC MAYA LOWLANDS

Room: Ballroom E (ACC)

Time: 8:00 a.m.–11:45 a.m.

Chairs: Melissa Burham and Luke Auld-Thomas

Participants:

- 8:00 Luke Auld-Thomas—Regional Settlement Patterns and Social Change: A Wide-Angle View
- 8:15 Peter Douglas and Benjamin Keenan—Climate Change during the Preclassic to Classic Transition in the Maya Lowlands
- 8:30 Nicholas Dunning—Redundancy, Restoration, and Resilience: Ancient Maya Civilization's Crash and Recovery in the Terminal Preclassic
- 8:45 Lisa LeCount—The End of Chicanel: Ceramic Diversification, Categorical Identities, and Regional Networks
- 9:00 Jaroslaw Zralka, Bernard Hermes, Carmen Ting, Ronald Bishop and Wieslaw Koszkuł—Dynamics of Growth of Nakum during the Protoclassic: Ceramic Evidence
- 9:15 Melissa Burham—Social and Political Collapse, Resilience, and Transformations in the Protoclassic Maya Lowlands: A View from Ceibal, Guatemala

- 9:30 Omar Alcover and Ricardo Rodas—Protoclassic Maya Warfare: The Social and Political Role of Violence between 100 BC and AD 400
- 9:45 Simon Martin—Order from Chaos: Maya Kingship Reimagined in the Classic Era
- 10:00 Shannon Plank, Scott Hutson, Barry Kidder and Iliana Ancona Aragón—Protoclassic Household Growth and Community Transformation in Yucatán
- 10:15 Jessica MacLellan—Domestic Rituals in Unstable Times: The Protoclassic and Early Classic at the Karinel Group, Ceibal
- 10:30 Astrid Runggaldier—Modular Building Blocks: How Essential Features of a Maya Palace Could be Scaled and Recombined from Late Preclassic Times Onward
- 10:45 Claire Ebert—Resilience and Local Dietary Adaptations in the Protoclassic Maya Lowlands
- 11:00 Barbara Arroyo—The Protoclassic in the Maya Highlands: The Role of Kaminaljuyu and the New Transformations
- 11:15 Tatsuya Murakami, Shigeru Kabata and Julieta Lopez—Social Acceleration in Terminal Formative Central Mexico: Urban Growth, Volcanic Eruptions, and Regime Shifts
- 11:30 Questions and Answers

[129] SYMPOSIUM ■ BIRDS IN ARCHAEOLOGY: NEW APPROACHES TO UNDERSTANDING THE DIVERSE ROLES OF BIRDS IN THE PAST

Room: 16A (ACC)

Time: 8:00 a.m.–11:45 a.m.

Chairs: Katelyn Bishop, Randee Fladeboe and Christopher Schwartz

Participants:

- 8:00 Cyler Conrad, Sandi Copeland, Kari Cates, Mary Faith Flores and Brian Kemp—A Cultural Landscape of Birds: Archaeological, Ethnographic and Iconographic Insights into Long-Term, Human-Bird Interaction on the Pajarito Plateau
- 8:15 Sean Dolan—Comparing the Life Histories of Turkeys and Tropical Birds in the Mimbres Valley, New Mexico
- 8:30 Randee Fladeboe, Kitty Emery, Erin Thornton and Camilla Speller—Further Investigation of Turkey Wellness and Treatment in Mesoamerica
- 8:45 Scott Kirk, Jonathan Dombrosky, Cyler Conrad and Emily Lena Jones—Tracking Exchange through Stable Isotope Analysis: A Preliminary Study of the Turkeys from Tijeras Pueblo, New Mexico, USA
- 9:00 Bruce Manzano, David Pollack and A. Gwynn Henderson—Fort Ancient Village Wild Turkey (*Meleagris gallopavo*) Management
- 9:15 Robin Cordero and Jamie Stevens—Winter Garden Hunting along the Rio Grande Flyway: A Case Study in the Procurement of Migratory Birds by Puebloans along the Rio Grande
- 9:30 Rachel Burger—Birds as Thought: Avifauna and Coalescence at Sapa'owingeh in Northern New Mexico
- 9:45 Kristine Bovy, Michael Etnier, Virginia Butler and Sarah Campbell—Patterns of Fragmentation and Burning in the Ciwicen Bird Assemblage (Washington State)
- 10:00 Caitlin Ainsworth—Singing for Their Supper: An Exploration of Bird Domestication Processes
- 10:15 Miranda LaZar and Jonathan Dombrosky—Tracking Individual Raptors in the Archaeological Record Using Stable Isotopes: Limitations, Possibilities, and Causes of Intraskkeletal δ -Value Variation
- 10:30 Kari Schmidt—Integrating Species Biology into Archaeological Studies: New Perspectives on Scarlet Macaws in Ancient Puebloan Cultures

- 10:45 Patricia Crown and Patrick Lyons—Cultural Diversity and the Macaws and Parrots of the Arizona Mountains
- 11:00 Christopher Schwartz and Kelley Taylor—The Human Experience of Transporting and Raising Scarlet Macaws at Paquimé in Chihuahua, Mexico
- 11:15 Hannah Wellman, Megan Spitzer and Torben Rick—Archaeology and Ethnobiology of Late Holocene Bird Remains from the Northern Oregon Coast
- 11:30 J Ryan Kennedy and Christopher Grant—“Spoils of the forest”: Toward an Archaeology of Birds, Millinery, and Fashion

[130] GENERAL SESSION ■ NEW RESEARCH IN CLASSIC MAYA ARCHAEOLOGY

Room: Ballroom G (ACC)

Time: 8:00 a.m.–11:45 a.m.

Chair: Mario Borrero

Participants:

- 8:00 Elaine Schele—The “Happy Accident” of 1970: Linda Schele Meets Moi, Merle, and Palenque
- 8:15 Haley Dougherty—Urbanization in the Maya Way of Life
- 8:30 Kristin Landau—The Dynamics of Maya State Process: An Integrated Perspective from the San Lucas Neighborhood of Copán, Honduras
- 8:45 Maria-Cristina Pineda de Carias, Vito Véliz and Ricardo Agurcia Fasquelle—Estelas y calendarios de la Plaza del Sol de Copán, Honduras
- 9:00 Rosamund Fitzmaurice, Tia Watkins, Claire Ebert and Jaime Awe—Ancient Games: New Evidence of Patolli in Xunantunich, Belize
- 9:15 Kenichiro Tsukamoto and Octavio Esparza Olguín—The Dynastic Sequence and Royal Titles at the Classic period Maya Site of El Palmar, Mexico
- 9:30 Anna Bishop—Internal Variations among the Elite Classic Maya at El Zotz
- 9:45 Nicholas Carter—Lords of the Five Lands: The Ho’kab’ Dynasty in Ancient Maya Political History
- 10:00 Sergei Vepretskii, Dmitri Beliaev, Monica de Leon and Camilo Luin—Archaeological Reconnaissance and Excavations at El Encanto (Petén, Guatemala) in 2018
- 10:15 George Kollias—Operationalizing Debt in the Context of Ancient Maya Political Economies
- 10:30 Damien Marken, Matthew Ricker and Robert Austin—Filled to the Brim: Estimating Lowland Maya Reservoir Capacities by Combining Survey, Soil Cores, and GIS
- 10:45 Jocelyne Ponce, David Chatelain and Marcello Canuto—Ancient Maya Rural Lifeways and Regional Integration at La Corona, Guatemala
- 11:00 Justine Shaw, Thania Ibarra and Justine Shaw—Everyday Life during the Late Terminal Classic in the Cochuah Region
- 11:15 George Micheletti and Terry Powis—Spatial Analysis of Hinterland Settlement at the Ancient Maya Site of Pacbitun, Belize
- 11:30 Mario Borrero, Luke Stroth and Geoffrey Braswell—Crumbling Walls: Terminal Classic Maya Collapse and Abandonment of Nim Li Punit, Belize

[131] SYMPOSIUM ■ FRYXELL AWARD SYMPOSIUM: PAPERS IN HONOR OF DEBRA L. MARTIN

(Sponsored by Fryxell Committee)

Room: Salon J (H)

Time: 8:00 a.m.–12:00 p.m.

Chair: Pamela Stone

Participants:

- 8:00 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
- 8:15 Ventura Pérez—A Four-Field View in an Increasingly Myopic World
- 8:30 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
- 8:45 Anna Osterholtz—The Body Poetic: Violence, Body Processing, and Identity Formation in the Past
- 9:00 Kathryn Baustian—What's Your Question? Theoretical Bioarchaeology in the American Southwest and Ancient Arabia
- 9:15 Cheryl Anderson—Contextualizing Conflict: Social Theory in the Bioarchaeology of Central Anatolia
- 9:30 Caryn Tegtmeyer—A Moment of Mentorship, an Impact that Lasts a Lifetime
- 9:45 Questions and Answers
- 10:00 Claira Ralston, Debra Martin, Pamela Stone and Ventura Pérez—Recovering "Los Antepasados": Bioarchaeology of a Historic Genízaro Community in Colonial New Mexico
- 10:15 Diana Simpson—Beyond the Brutality: Ritualized Violence in the Archaic Period Southeast
- 10:30 Mark Toussaint—Queer Eye for the Dead Guy: The Influence of Debra Martin on a Bioarchaeological Investigation of Gender beyond the Binary
- 10:45 Bethany Turner, Molly Zuckerman and Haagen Klaus—Doing Context-Specific, Anthropological Bioarchaeology: Hard Times from England to the Andes
- 11:00 Kristin Kuckelmann—Seminal Research on Ancestral Pueblo Violence in the Northern Southwest
- 11:15 Catherine Cameron—Hidden People in the Past: Honoring the Scholarship of Debra Martin
- 11:30 Alan Swedlund—In Recognition of Prof. Debra Martin
- 11:45 Debra Martin—Discussant

[132] SYMPOSIUM ■ A CAREER ON AND OFF THE SHELF: DR. MICHAEL "SONNY" TRIMBLE, FROM CURATION TO FORENSICS AND POINTS IN-BETWEEN
Room: 12B (ACC)
Time: 8:00 a.m.–12:00 p.m.
Chairs: J. Joseph, Andrea Farmer and Andrea Gregory

Participants:

- 8:00 Charles Smith—How One Archaeologist Went from Fieldwork to Collections Management, the Iraq War, and Vietnam to Preserve, Protect, and Educate
- 8:15 Nancy Brighton—The Right Thing to Do: Reestablishing Relationships for New York City's African Burial Ground
- 8:30 Mark Smith and Susan Malin-Boyce—The Iraq Mass Graves Project
- 8:45 Teresita Majewski—American Recovery and Reinvestment Act Nationwide Section 110 Work
- 9:00 J. Joseph, Andrea Farmer, Andrea Gregory, Alaina Harmon and Jasmine Heckman—From Mass Graves to New Lives: The Veterans Curation Program
- 9:15 David Knoerlein—Digital Photography: From Mass Graves to the VCP
- 9:30 Justin Buller and Andrea Gregory—Challenges in the Recovery of Historic Military Cemeteries
- 9:45 Stefan Brannan and Mark Smith—Reuniting Families: The Excavation and Repatriation of Burials from the Carlisle Indian School Cemetery
- 10:00 Joseph Balicki and Susan Malin-Boyce—The Rediscovery and Restoration of Arlington Cemetery's Ord-Weitzel and Sheridan Gates

- 10:15 Kristina Whitney, William Hooker III and Andrea Gregory—A New Push for the MCX: Historic Preservation with the National Cemetery Administration
- 10:30 James Wilde and Amy Williams—Collaborating on Contingency Operations: A Reconnaissance Archaeological Survey of Air Base 201 in Niger
- 10:45 Andrea Farmer and S. Terry Childs—Employing Innovative Solutions to the Archaeological Curation Crisis
- 11:00 Mark Warner—From Peale to Trimble: Communicating with Collections
- 11:15 Joseph Schuldenrein—“Bringing Up Sonny”: The Trajectory of Pragmatic Archaeology in the Twenty-First Century
- 11:30 Andrea Gregory—Discussant
- 11:45 Michael Trimble—Discussant

[133] SYMPOSIUM ■ CENTRAL MEXICO AFTER TEOTIHUACAN: EVERYDAY LIFE AND THE (RE)MAKING OF EPICLASSIC COMMUNITIES

Room: 19B (ACC)

Time: 8:00 a.m.–11:45 a.m.

Chairs: Sarah Clayton and Michelle Elliott

Participants:

- 8:00 Natalia Moragas—“Closed for Refurbishment”: Teotihuacan from Classic to Epiclassic
- 8:15 Sarah Clayton—Everyday Life at Chicoloapan, Mexico: Tracing the Formation of a Post-collapse Community
- 8:30 Luis Barba, Jorge Blancas, Agustin Ortiz, Ricardo Cruz and Sarah Clayton—Geophysical Studies in the Archaeological Site of Chicoloapan, State of Mexico
- 8:45 Bianca Gentil—Defining the Context of the Epiclassic: Measuring Population and Settlement Dynamics in the Puebla-Tlaxcala Valley, Mexico
- 9:00 Bradford Andrews, Kenneth Hirth and Michael Glascock—State Control or Free Trade: Comparing Obsidian Access at Epiclassic Xochicalco?
- 9:15 Ricardo Leonel Cruz Jiménez—Aspectos de aprovisionamiento y uso de la obsidiana en Chicoloapan Viejo, un asentamiento del periodo Epiclásico
- 9:30 Michelle Elliott and Yoanna Herrera-Santos—Reconstructing Land-Use and Socio-environmental Change at Epiclassic Chicoloapan Using Plant Macroremain Analyses
- 9:45 Yoko Sugiura and Gustavo Jaimes Vences—Vida cotidiana y relaciones interregionales en Santa Cruz Atizapan, México Central: Del Clásico al Epiclásico
- 10:00 Questions and Answers
- 10:15 Carolyn Freiwald, Kaedan O'Brien and Sarah Clayton—Diet and Mobility at Chicoloapan Viejo
- 10:30 Marion Forest and Andrew Somerville—Return to Hacienda Metepec: Exploring Continuity and Change at Teotihuacan
- 10:45 Angela Huster—Ceramic Chronology in the Absence of a Horizon
- 11:00 Kimberly Bauer—Epiclassic Domestic Assemblage Variation at Chicoloapan in the Southeastern Basin of Mexico
- 11:15 Michelle Butler and Geoffrey McCafferty—Zapotec Diaspora in Epiclassic Central Mexico
- 11:30 Jerald Ek—Imported Imperialism: The Impact, Aftermath, and Lasting Political Legacy of Teotihuacan in the Maya Lowlands

[134] SYMPOSIUM ■ SHARED EXPERIENCES AND PERFORMATIVE BOUNDARIES: THE INTERSECTION OF TRAUMA AND MIGRATION**Room:** 406 (H)**Time:** 9:00 a.m.–11:15 a.m.**Chairs:** Katherine Shakour and Elise Alonzi**Participants:**

- 9:00 Katherine Shakour—Making Impossible Decisions: Examining Disaster Responses in Nineteenth-Century Ireland
- 9:15 Meagan Conway—Migration, Change, and Choice: A Case Study from Early Twentieth-Century Inishark, Co. Galway
- 9:30 Nicholas Ames—"Mountains of water the waves assume": Nineteenth-Century Oceanic Crossings in Emigration, a Phenomenological Approach
- 9:45 Lauren Couey—Building Place: Analysis of the Built Environment in a Chicago Immigrant Community
- 10:00 Kelsey Reese—Community Construction and Resilience on the Mesa Verde North Escarpment
- 10:15 Sofia Pacheco-Forés—This, That, and the Other: Alterity, Migration, and Violence in Epiclassic Central Mexico
- 10:30 Sarah Hall, Claudia Rojas Sepulveda and Kelly Knudson—Life, After Life: Embodied Structural Violence in a Historic Skeletal Assemblage from Bogota, Colombia
- 10:45 Erica Ausel—Multilevel Migration and Interpersonal Violence at the Angel Site: Bioarchaeological Investigations of Trauma at a Large Mississippian Period Community in Southwestern Indiana
- 11:00 Elise Alonzi, Barra Ó Donnabháin and Kelly Knudson—Vows and Violence: Diet and Mobility at Tintern Abbey, Ireland

[135] SYMPOSIUM ■ THE BIG PICTURE: MULTIPLE PERSPECTIVE CHRONOLOGIES WITH BAYES AND BEYOND**Room:** 11AB (ACC)**Time:** 9:00 a.m.–11:45 a.m.**Chairs:** Lori Barkwill Love and Anthony Krus**Participants:**

- 9:00 Nicholas Kessler, Gregory Hodgins, Matthew Guebard and Lucas Hoedl—Wiggle-Match Dating at the Montezuma Castle Cliff Dwelling
- 9:15 Lori Barkwill Love—Modeling the Early History of Maize in the North American Southwest
- 9:30 Myles Miller—Using Multiple Methods to Examine Multiple Radiocarbon Chronologies: An Example from the U.S. Southwest
- 9:45 Christopher Jazwa and Ryan Anderson—A Radiocarbon Chronology of Human Occupation in the East Cape Region of Baja California Sur, Mexico
- 10:00 Jonathan Hanna, Matthew Napolitano, Robert DiNapoli, Jessica Stone and Scott Fitzpatrick—Modeling Demographic Change in the Precolumbian Caribbean
- 10:15 Anthony Krus, Timothy Rieth, Derek Hamilton and Robert DiNapoli—Multiscalar Island Colonization Estimates through Bayesian Calibration Models
- 10:30 Derek Hamilton and Sophia Adams—Is La Tène Still Relevant in British Iron Age Chronology?
- 10:45 Dusan Boric and Paul Duffy—Chronological Perspectives on the Spread of Agriculture in Southeastern Europe
- 11:00 Thomas Pluckhahn—Discussant
- 11:15 Caitlin Buck—Discussant
- 11:30 Questions and Answers

[136] SYMPOSIUM ■ STRUCTURE AND MEANING OF MOGOLLON COMMUNAL SPACES AND PLACES IN THE GREATER AMERICAN SOUTHWEST, PART 1: MIMBRES, JORNADA, AND PAQUIMÉ

Room: 17A (ACC)

Time: 9:00 a.m.–11:45 a.m.

Chair: Katherine Dungan

Participants:

- 9:00 Fumi Arakawa, Jorden Scott, Lindsey Cron, Dustin Wagner and Kristin Corl—Georgetown Phase Great Kiva in the Diamond Creek Locality of the Northern Mimbres Region
- 9:15 Barbara Roth—Great Kivas and Community Integration during the Pithouse Period: Insights from the Harris Site
- 9:30 Jakob Sedig—Mimbres Great Kivas and Communal Structures at the Woodrow Site
- 9:45 Darrell Creel—The Enduring Importance of Mimbres Great Kivas
- 10:00 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
- 10:15 Harry Shafer—New Perspectives on the Ritual and Communal Space Use at the NAN Ranch Ruin, Grant County, New Mexico
- 10:30 David Greenwald—Tularosa Canyon Great Kivas: Implications of Their Orientations with Respect to Solstice and Equinox Alignments
- 10:45 Kristin Corl and William Walker—Constructing Community: Intersite Variability of Communal Architecture at Cottonwood Spring Pueblo
- 11:00 Timothy Graves and Myles Miller—Beyond the Communal Structure: Engagements with the Landscapes of Southern and Southeastern New Mexico
- 11:15 Todd VanPool and Christine VanPool—“Watching from the Hidden Place”: Linking Ritual Space at Paquimé Using Architecture and Mirrored Features
- 11:30 Questions and Answers

[137] SYMPOSIUM ■ THE SUBTERRANEAN IN MESOAMERICAN INDIGENOUS CULTURE AND BEYOND

Room: 18C (ACC)

Time: 9:00 a.m.–12:00 p.m.

Chairs: Ann Scott and James Brady

Participants:

- 9:00 Rebecca Sload—Beyond Chicomoztocs: Are Hill Sign Toponyms Actually Mountain-Caves?
- 9:15 Melanie Saldana and James Brady—Archaeology Confronts the Constructed Subterranean: Reviewing a Half Century of Ambivalence
- 9:30 Jon Spenard—A Long-Overdue Return to the Cold River: Archaeology of the Río Frio Caves, Cayo District, Belize
- 9:45 Holley Moyes and Erin Ray—Lost Rites of the Ancient Maya: The Corn Offerings of Eduardo Quiroz Cave
- 10:00 Christina Iglesias—Interpreting a Subterranean Feature at Chichen Itza
- 10:15 Brian Waldo—A GIS Approach to Assess the Water Resources at Chichen Itza
- 10:30 Michael Prout—Maya Sacrificial Practices in Caves: It Isn't Just Men Captured in Battle
- 10:45 Guillermo de Anda, Ana Celis and Karla Ortega—Ritual Termination of Balamkú at Chichen Itza
- 11:00 Cameron Griffith—Speleoarchaeological Reconnaissance in the Periphery of Copán

- 11:15 Nicholas Poister and Laura Baumann—Bighorn Sheep (*Ovis canadensis*) Bone Caches in the Lava Tube Caves of El Malpais National Monument, New Mexico
- 11:30 Scott Nicolay—"Tlaloc" and "Chicomoztoc" in the North: Evidence for Chthonic Concepts from Mesoamerican Cosmovision in the Caves of the Greater Southwest
- 11:45 Questions and Answers

[138] SYMPOSIUM ■ PLACE-MAKING IN INDIGENOUS MESOAMERICAN COMMUNITIES PAST AND PRESENT

Room: Salon F (H)

Time: 9:45 a.m.–12:00 p.m.

Chair: Gabrielle Vail

Participants:

- 9:45 Heather Hurst, Boris Beltrán, Franco Rossi, David Stuart and Karl Taube—Placemaking at the Los Arboles Complex of Xultun, Guatemala
- 10:00 Ronald Faulseit—Making the Landscape Divine at Dainzú
- 10:15 Christine Hernandez—The Role of History, Ancestry, and Alliance in the Place of Noxtepec, Guerrero, Mexico
- 10:30 Amy George and Gabrielle Vail—Representing Place in Mesoamerican Postclassic and Early Colonial Period Sources
- 10:45 Marilyn Masson, Carlos Peraza Lope, Bradley Russell and Timothy Hare—Constructing Biographies of Place through Mortuary Practice and House Style in the Early Colonial Maya Period at Yacman and Hunacti, Yucatán
- 11:00 Rani Alexander—Landscapes of Inequality in Ebtun, Yucatán, 1800–1890
- 11:15 Allen Christenson—Places of Emergence: Water and Cave Ceremonialism in the Tz'utujil Region
- 11:30 Judith Maxwell—Home Is Where the Fajawala' Are: Making Habitable Space among the Kaqchikel and Other Maya
- 11:45 Questions and Answers

[139] FORUM ■ TEACHING INTEGRITY IN EMPIRICAL ARCHAEOLOGY

(Sponsored by Open Science in Archaeology Interest Group)

Room: 18D (ACC)

Time: 10:00 a.m.–12:00 p.m.

Moderators: Ben Marwick and Alan Farahani

Participants:

- Raven Garvey—Discussant
- Li-ying Wang—Discussant
- Matthew Harris—Discussant

[140] SYMPOSIUM ■ PALEOLANDSCAPES IN ARCHAEOLOGY: LESSONS FOR THE PAST AND FUTURE

Room: 19A (ACC)

Time: 10:00 a.m.–12:00 p.m.

Chair: Mike Carson

Participants:

- 10:00 Andrea Freeman—Twenty-Five Years of Geoarchaeological Research on Ancient Shorelines and Channel Margins
- 10:15 Ian Buvit—How Landscape Changes on Hokkaido Led Modern Humans into the Americas

- 10:30 Lisa Maher, AJ White, Jordan Brown, Matthew Jones and Christopher Ames—
From Wetlands to Deserts: The Role of Water in the Prehistoric Occupation of
Eastern Jordan
- 10:45 Kara Fulton—The Effect of Social Landscapes on Human Resilience at
Actuncan, Belize
- 11:00 Rachel Cajigas—Long-Term Effects of Human Modifications to Floodplain Soils
at the La Playa Site
- 11:15 Gary Huckleberry—Past Landscape Changes and Human Occupation of the
Northern Sonoran Coast near Puerto Peñasco, Mexico
- 11:30 Lindsey Cochran, Victor Thompson and Bryan Tucker—Creating Living
Predictive Models of Georgia's Coastal Paleo-Environmental Landscapes
- 11:45 Mike Carson—Paleolandscapes Reveal Potential for Sustainable Living:
Examples in Pacific Oceania

**[141] SYMPOSIUM ■ MAKING “MEANING”: ARCHAEOLOGY, ART, AND THE LEGACY OF
TERENCE GRIEDER**

Room: 18B (ACC)

Time: 10:00 a.m.–12:00 p.m.

Chairs: Rex Koontz and James Farmer

Participants:

- 10:00 James Farmer—The “Lack” of “Creativity” in Precolumbian Art: The Impact of
Terence Grieder's Early Scholarship on Recent Rock Art Studies
- 10:15 Michael Carrasco—Meaning, Aesthetics, and the Origin of Precolumbian Art in
Terence Grieder's Thought
- 10:30 Reinaldo Morales Jr—1492 BC: Invention and Heredity in Precolumbian
Painting
- 10:45 Yumi Huntington—Mapping Motifs and Techniques: Tracing the Development
and Transmission of Cupisnique-Style Engraved Head Images
- 11:00 Katherine Román—Tracing the Past: Ancient and Modern Borrowing of
“Foreign” Imagery in Paracas
- 11:15 Ana Nieves—Body Quilcas: Tattooing and Body Painting in Ancient Peru
- 11:30 Chelsea Dacus—Rayed Gods and Llamas in Tiwanaku Metalwork: An
Exploration of Two Common Motifs in Middle Horizon Visual Culture
- 11:45 Virginia Miller—The Disembodied Eye in Maya Art and Ritual Practice

[142] GENERAL SESSION ■ NEW DEVELOPMENTS IN PUEBLOAN ARCHAEOLOGY

Room: 18A (ACC)

Time: 10:15 a.m.–12:00 p.m.

Chair: Daniel Perez

Participants:

- 10:15 Jaye Smith and Jeffrey Clark—Citizen Science in Action: Preserving the Ray
Robinson Collection from the Safford Basin, Arizona
- 10:30 Anna Dempsey Alves—The Daily Grind: An Analysis of Ground Stone from The
Basketmaker Communities Project in Southwest Colorado
- 10:45 John Moretti—A Thick-billed Parrot from Bonnell (LA 612) in Southeastern New
Mexico with Comments on the Archaeological Occurrence of the Species in the
American Southwest
- 11:00 Caitlin Stewart, Mark Brodbeck, Emily Engan, William Gulley and Caitlin
Stewart—Life in the Northern Margins of the Prescott Cultural Tradition: A GIS-
based Approach for Modeling and Interpreting Local Settlement Systems and
Regional Social Networks in the Northern Reaches of Big Chino Valley, Arizona

- 11:15 Daniel Perez and Karen Harry—Virgin Branch Puebloan Adaptations on the Colorado Plateaus: Recent Excavations at Granary House (AZ A:14:46)
- 11:30 Benjamin Van Alstyne, Karen Harry and Daniel Perez—Archaeological Investigations at a Multicomponent Site on the Shivwits Plateau
- 11:45 William Graves—Power, Identity, and La Présence Plains

[143] SYMPOSIUM ■ APPROACHES TO THE ARCHAEOLOGY OF HEALTH: SEWERS, SNAKEBITES, AND SKELETONS

Room: 14 (ACC)

Time: 10:30 a.m.–11:45 a.m.

Chair: Taylor Zaneri

Participants:

- 10:30 Joshua Schnell—Ancient Maya Dentistry: Documenting Therapeutic Dental Interventions Using Scanning Electron Microscopy
- 10:45 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
- 11:00 Vivian Scheinsohn, Fabián Crespo, Paula Miranda, Florencia Rizzo and Denise Evans—Health and Disease in Northwestern Patagonia Hunter-Gatherers: Archaeological Models and Paleopathology
- 11:15 Taylor Zaneri—Enacting Health in the Medieval City: A Geospatial Analysis of Waste and Water in Bologna
- 11:30 Rita Wright—Discussant

[144] SYMPOSIUM ■ LA CASA DEL LINAJE DEL ARMADILLO: RECIENTES HALLAZGOS EN TAMTOC, SAN LUIS POTOSÍ

Room: 17B (ACC)

Time: 10:30 a.m.–12:00 p.m.

Chair: Patricia Olga Hernández Espinoza

Participants:

- 10:30 Guillermo Córdova Tello and Estela Martínez Mora—Entorno espacio-temporal del Grupo F y estructura F7 de Tamtoc
- 10:45 Estela Martínez Mora and Guillermo Córdova Tello—Apuntes para interpretación del Grupo 7 de Tamtoc, San Luis Potosí
- 11:00 Norma Valentín Maldonado, Miguel Ángel Butrón Cruz, Estela Martínez Mora and Adrián Velázquez Castro—La Estructura F7
- 11:15 Patricia Olga Hernández Espinoza—Identities and Social Roles: The Main Characters of La Casa del Linaje del Armadillo, Tamtoc, San Luis Potosí
- 11:30 Miguel Ángel Butrón Cruz and Norma Valentín Maldonado—La casa del linaje del Armadillo
- 11:45 Kim Richter—Discussant

[145] SYMPOSIUM ■ TECNOLOGÍAS APLICADAS Y MÉTODOS DE ESTUDIO EN LAS NUEVAS PERSPECTIVAS DE LA ARQUEOLOGÍA OAXAQUEÑA

Room: 12A (ACC)

Time: 10:30 a.m.–12:00 p.m.

Chairs: Dante García and Nelly Robles García

Participants:

- 10:30 Nelly Robles García—Avances en las investigaciones del sitio Patrimonio Mundial de Monte Albán-Atzompa

- 10:45 Miguel Ángel Galván Benítez—El sistema de desagües del Juego de Pelota de Monte Albán
- 11:00 Dante García, Nelly Robles García and Axel Andrade Pérez—Nuevos elementos en la iconografía zapoteca: Un friso en el tablero noreste de Casa Sur en el sitio arqueológico de Atzompa
- 11:15 Axel Andrade Pérez—Análisis de escultura en piedra de la fachada este de la Casa del Sur, Conjunto Monumental de Atzompa, Oaxaca
- 11:30 Soren Frykholm, Nelly Robles García and Dante García—Hallazgos de la excavación de una habitación residencial de la época IIIB/IV de la zona arqueológica de Atzompa, Oaxaca, México
- 11:45 Logan Wagner—Discussant

[146] SYMPOSIUM ■ CLIMATE RESILIENCE AND ADAPTATION: METHODS, APPROACHES, AND CASE STUDIES

Room: Ballroom F (ACC)

Time: 10:30 a.m.–12:00 p.m.

Chair: Charlotte Goudge

Participants:

- 10:30 Seren Griffiths—Cataclysmic Events, Long-Term Processes, and Human Responses: Identifying Causal Relationships in Holocene Human-Environment Interaction
- 10:45 Tristram Kidder—Climate Change, Resilience, and Transformation in the Yellow River Floodplain, China
- 11:00 Seth Grooms—Mound Building at Jacketown: Sacred Ballast on a Volatile Landscape
- 11:15 Paul Roscoe—Apocalyptic Responses to Severe Climate Change: Modeling National Vulnerabilities
- 11:30 Arik Bord and Charlotte Goudge—Record or Be Forgotten: Site Visualization and Climate Change
- 11:45 Sarah Miller, Sara Ayers-Rigsby, Karen Walker, Rachael Kangas and Michelle LeFebvre—Resiliency and Adaptation Challenges Ahead for Florida's Heritage Monitoring Scouts

[147] POSTER SESSION ■ ARTIFICIAL INTELLIGENCE, DRONES, LIDAR, AND MACHINE LEARNING: NEW APPROACHES TO ARCHAEOLOGICAL DATA COLLECTION AND ANALYSIS

Room: Exhibit Hall 4 (ACC)

Time: 10:30 a.m.–12:30 p.m.

Participants:

- 147-a Dylan Schwindt, Kari Schleher, Michelle Turner, Grant Coffey and Jerry Joplin—Using Computer Vision and Deep Learning Algorithms to Predict Pottery Types: An Example Using Ancestral Pueblo Pottery from the Central Mesa Verde Region
- 147-b Lawford Hatcher, Emily McKenzie, Juan Monzon, Caleb Ranum and Katherine Chiou—Introducing Paleoethnobotany to Machine Learning: a Case Study in the Genus *Capsicum*
- 147-c William Gardner-O'Kearny—DSift: An Automated Data Exploration Software Package for Matlab
- 147-d Andrea Carvey—Virtual Reality and Augmented Reality Applications in Archaeology
- 147-e Mason Miller—A Presentation and Interpretation of YouTube Livestream Viewing Analytics from a Central Texas Excavation Project Public Outreach

- 147-f Brady Liss, Matthew Howland, Anthony Tamberino, Scott McAvoy and Thomas Levy—Archival Photogrammetry: Repurposing Excavation Photographs to 3D Model Previous Excavations in Faynan, Jordan
- 147-g Ted Parsons—Recent Developments in Small and Low-Cost 3D Scanning Systems
- 147-h Connor Johnen, Michael Prouty and Matthew Landt—Droning On about GIS: Three Cases of Using Spatial Technology to Analyze the Past
- 147-i Mark Varien, Grant Coffey, Gert Riemersma, Vincent MacMillan and Steve McCormack—Lidar Mapping Sand Canyon Pueblo: Technical Collaboration for Site Visualization and Reassessment
- 147-j Austin Hill, Elise Jakoby Laugier, Jesse Casana, Mark McCoy and Kelsey Reese—Archaeological Prospection using Drone-Acquired Lidar: Benefits, Limitations, and Results
- 147-k Keri Porter, Kaelyn Olson and Andrea Lopez—Free Photogrammetry: The Accuracy and Applicability of Open-Source Software
- 147-l Paula Herfeldter, Alejandra Abrego and Cinthia Campos—Integrating UAV-Based Photogrammetry, Digital Data Collection, and GIS during the Trincheras Tradition Project Excavations
- 147-m Jacob Jepsen, Scott Ure, Ridge Anderson and Michael Searcy—Heat Seekers: An Experiment to Identify Prehistoric Architectural Features Using Aerial Thermography
- 147-n Amanda Gozner, Peter Ungar and Erik Otárola-Castillo—Analysis of Microwear Dental Morphology
- 147-o Zachary Newell, Andrew Robbins, Michael Moreno, Morgan Smith and Ji-Wan Han—Digital Excavation of Osseous and Lithic Artifacts Embedded in Bone

[148] POSTER SESSION ■ ARCHAEOLOGY OF THE NORTHERN SOUTHWEST**Room:** Exhibit Hall 4 (ACC)**Time:** 10:30 a.m.–12:30 p.m.**Participants:**

- 148-a Natalie Patton, Wyatt Benson, Mitchell Cleveland, Eric Gilmore and Olivia Fry—Bone Pliability and Its Importance to Bone Awl Manufacture: An Experimental Archaeology Study
- 148-b Genevieve Woodhead—Ordinary but Not Insignificant: Assessing the Symbolic Import of Embellished Ancestral Puebloan Utility Wares
- 148-c Katherine Portman, Sherri Middleton, Galen McCloskey and Sarah Page—Predicting Site Distribution on the Arizona Strip
- 148-d Jack Berner and R. J. Sinensky—Reconstructing Household Architecture in the Petrified Forest Region of Northern Arizona, AD 200–600
- 148-e Maxwell Forton—Landscape of Shields: Regional Trends in Shield Iconography in the Late Pueblo III World
- 148-f Alexandra Covert—From Water to Land: Analysis of Prehistoric Shell at Wupatki Pueblo
- 148-g William Willis and Elizabeth Shikrallah—What Do Small Sites Tell Us about Virgin Branch Puebloan Lifeways on the Shivwits Plateau?
- 148-h Michael Adler—Transfers of Power: Caching of Ritual Objects in Precolonial and Postcolonial Picuris Pueblo
- 148-i Marielle Pedro Black and Sandra Arazi-Coombs—The Use of Stone Axes in North-Central New Mexico on the Cibola National Forest Sandia Ranger District
- 148-j Jana Meyer—The Spatial Distribution of Jewelry at Tijeras Pueblo: A GIS-Based Study Using Hot Spot Analysis
- 148-k Sam Duwe—Nuute'owingeh: Complicating our Understanding of Historic Period Pueblo Settlement in the Northern Rio Grande

- 148-l Austin Norris, Hannah Mattson and Joseph Birkmann—An Experimental Examination of Lapidary Microdrill Use-Wear
- 148-m Caitlin Baker, Sydney Stenstrom and Heather Smith—Stone-Lined Archaeological Features in East-Central New Mexico: Addressing Function, Chronology, and Culture
- 148-n Marion Coe—Cordage and Coiled Basketry as Indicators of Site Function and Social Identity in the Bonneville Basin
- 148-o Joseph Bryce, Spencer Lambert and Brady Robbins—Worked Bone Gaming Pieces among the Fremont: A Case Study from Wolf Village, Utah

[149] POSTER SESSION ■ ARCHAEOLOGY OF THE FOUR CORNERS AREA

Room: Exhibit Hall 4 (ACC)

Time: 10:30 a.m.–12:30 p.m.

Participants:

- 149-a Tim Hovezak, Gary Ethridge, Kay Barnett and Donna Glowacki—Far View House: Evolution of a Chaco-Era Great House, Past and Present
- 149-b Kari Schleher, Michelle Turner, Mariana Lujan Sanders, Genevieve Woodhead and Daniel Leja—Lumping and Splitting: Design Variation on Mancos Black-on-white Pottery in the Central Mesa Verde Region
- 149-c Sandra Zarzycka—Geospatial Relationships between Ancestral Puebloan Community Centers and Landscape
- 149-d Clay Jaskowski and Kelsey Reese—Connecting Great Houses and Nearby Sites on the Mesa Verde North Escarpment
- 149-e Christine McAllister and Sheldon Baker—Ruins Road Site Survey: Then and Now (Results in 1951–1952 vs. 2017–2018), Mesa Verde National Park
- 149-f David Dove—The Evolution of a Great House—Monumental Constructions, Feasting, and the Acquisition of Power in the Central Montezuma Valley
- 149-g Sean Field, Donna Glowacki, Tim Hovezak and Kelsey Reese—The Far View Archaeological Project: An Introduction
- 149-h Kellam Throgmorton and Susan Ryan—Preliminary Results from the Northern Chaco Outliers Project

[150] POSTER SESSION ■ ARCHAEOLOGY OF MESOAMERICA

Room: Exhibit Hall 4 (ACC)

Time: 10:30 a.m.–12:30 p.m.

Participants:

- 150-a Mayra Arzate—Ancient Maya Sustainability: A Review of Past Data
- 150-b Caitlin Davis—Within the Mangrove Swamp: Formative Obsidian Exchange at Salinas La Blanca, Guatemala
- 150-c David Carballo, Daniela Hernández Sariñana, Maria Codlin, Alfredo Saucedo and Pablo Correa—Public Spaces and the Neighborhood Center of Teotihuacan's Tlaljinga District
- 150-d Susan Toby Evans—Pathways to Power: The Aztec Empire in 10 Maps
- 150-e Melissa Badillo and Elizabeth Shikrallah—Time to Clean House: Analyzing Household Activity in Postclassic Residential Groups at Santa Rita, Corozal, Belize
- 150-f Nicholas Puente and Philip Arnold—An Analysis of Inequality at Late Formative Households In Southern Veracruz, Mexico
- 150-g Lacey Carpenter—Destruction and Reconstruction: New dates from Area M at El Mogote
- 150-h Lisa Duffy—Metabolomics in the Study of Ground Stone Tools

- 150-i Ellen Pacheco, Elizabeth Paris and Roberto López Bravo—Rodents Of Moxviquil, Chiapas, Mexico
- 150-j Miranda George, Elizabeth Paris and Roberto López Bravo—Size and Morphology of Canid Skeletal Remains from Moxviquil, Chiapas, Mexico
- 150-k Mark Porter—Caching Aggrandizers: An Analysis of Preclassic Maya Caches at Cahal Pech
- 150-l Colleen O'Brien—Investigating a Late Classic Maya Plaza through Artifact Distributions to Find Evidence of a Marketplace
- 150-m Emily Kate, J. Heath Anderson, Douglas Kennett and John Krigbaum—A Study of Epiclassic Human Mobility at Hilltop Settlements in Hidalgo, Mexico, Using Stable and Radiometric Isotope Analyses and Radiocarbon Dating
- 150-n Destiny Crider, Daniel Pierce, J. Heath Anderson and Michael Glascock—Revisiting Tula, Hidalgo Epiclassic Ceramics: Progress and Recent NAA Results
- 150-o Erik Jurado, Mario Córdova Tello, Carolina Meza Rodriguez and Gerardo Gutierrez—Recent Research at San Ignacio, Morelos: A Regional Center in the Teotihuacan Hinterland
- 150-p Daniela Hernández Sarifiana—Domestic Life and Ceramic Consumption in Tlajinga, Teotihuacan

[151] SYMPOSIUM ■ RETHINKING METHODOLOGIES IN ARCHAEOLOGY BASED ON DIVERSE EXPERIENCES IN GUATEMALA

Room: 13AB (ACC)

Time: 10:45 a.m.–12:00 p.m.

Chair: Adriana Linares-Palma

Participants:

- 10:45 Chloé Andrieu—Layers of Times: Archaeology and the Other Pasts
- 11:00 Alexander Rivas—Community Archaeology at Nueve Cerros
- 11:15 Adriana Linares-Palma—Contradictions and Challenges on Conducting a Critical Archaeological Program at San Juan Cotzal, Guatemala
- 11:30 Iyaxel Cojti-Ren—Postwar Archaeology in the Highlands of Guatemala
- 11:45 Chloé Andrieu—Discussant

Friday Afternoon ■ April 24, 2020

[152] FORUM ■ LAND AND WATER REVISITED: FILM PREMIER EVENT

Room: Ballroom F (ACC)

Time: 1:00 p.m.–3:00 p.m.

Moderator: Kirk French

Participants:

- Richard Diehl—Discussant
- Rebecca Storey—Discussant
- David Webster—Discussant
- Jeffrey Parsons—Discussant
- Randolph Widmer—Discussant
- Charles Stanish—Discussant
- Deborah Nichols—Discussant
- Charles Kolb—Discussant

- [153] FORUM ■ TO THE ACADEMY AND BEYOND: A BIOARCHAEOLOGY EMPLOYMENT FORUM**
Room: 18D (ACC)
Time: 1:00 p.m.–3:00 p.m.
Moderators: Katharine Kolpan, Samantha Blatt and Amy Michael

Participants:

Samantha Blatt—Discussant
Amy Michael—Discussant
Katharine Kolpan—Discussant
Julia Prince-Buitenhuys—Discussant
Amber Heard-Booth—Discussant
Lisa Bright—Discussant
Sarah Kindschuh—Discussant
Stacy Drake—Discussant
John Krigbaum—Discussant
Ellen Lofaro—Discussant
Andrew Somerville—Discussant
Maranda Kles—Discussant

- [154] FORUM ■ SO, YOU HAVE TO MOVE OUT OF YOUR PARENTS' BASEMENT AND GET A JOB!**
Room: 11AB (ACC)
Time: 1:00 p.m.–3:00 p.m.
Moderators: Kimball Banks and Jennifer Lapp

Participants:

Duane Peter—Discussant
Karin Larkin—Discussant
Michelle Slaughter—Discussant
David Witt—Discussant
Charles Bello—Discussant
Sarah Herr—Discussant
Rebecca Hawkins—Discussant
Rebecca Simon—Discussant

- [155] LIGHTNING ROUNDS ■ MULTISCALAR APPROACHES TO EXTRAPOLATING SOCIOPOLITICAL BOUNDARIES IN THE MAYA LOWLANDS**
Room: Ballroom E (ACC)
Time: 1:00 p.m.–3:00 p.m.
Moderators: Amy Thompson and John Walden

Participants:

Heather Richards-Rissetto—Discussant
Jessica Munson—Discussant
Adrian Chase—Discussant
Shane Montgomery—Discussant
George Micheletti—Discussant
Bernadette Cap—Discussant
Sherman Horn—Discussant
Eric Fries—Discussant
Melvin Rodrigo Guzman Piedrasanta—Discussant
Damien Marken—Discussant
Timothy Hare—Discussant

Scott Hutson—Discussant

Brett Houk—Discussant

[156] SYMPOSIUM ■ STRUCTURE AND MEANING OF MOGOLLON COMMUNAL SPACES AND PLACES IN THE GREATER AMERICAN SOUTHWEST, PART 2: GILA AND HIGHLANDS

Room: 17A (ACC)

Time: 1:00 p.m.–3:15 p.m.

Chair: Robert Stokes

Participants:

- 1:00 Erin Baxter, Michele Koons, Steve Nash, Deborah Huntley and Octavius Seowtewa—Another Kiva in the Mix: The Toriette Lakes-Reserve Area Great Kiva in Context of Landscape, Chronology, History, and Function
- 1:15 Tammy Stone—Changes in the Use of Communal Space in the Pine Lawn/Reserve Branch of the Mogollon
- 1:30 Stephanie Whittlesey and James Reid—Episodic Change among Ritual Structures in the Mogollon Highlands
- 1:45 Katherine Dungan—Great Kivas, Religion, and Society in the Mogollon Highlands after AD 1000
- 2:00 Karl Laumbach—Ritual Architecture and Landscapes at Cañada Alamosa, New Mexico
- 2:15 Gabriella Zaragosa, Robert Hard, John Roney, Arthur MacWilliams and Mary Whisenhunt—The Plaza at the Sanchez Site: Communal Architecture at an Early Cerro de Trincheras in the Safford Basin
- 2:30 Karen Schollmeyer—Animal Remains in Communal Spaces and Ritual Activities in the Mogollon Area, AD 1000–1450
- 2:45 Stephen Lekson—Discussant
- 3:00 Questions and Answers

[157] SYMPOSIUM ■ VOLCANIC HAZARDS AND HUMAN RESILIENCE IN LATIN AMERICA

Room: 406 (H)

Time: 1:00 p.m.–3:15 p.m.

Chair: Rebecca Mendelsohn

Participants:

- 1:00 Rebecca Mendelsohn and José Luis Macías—Volcanic Hazards and Human Resilience: A View from Izapa, Chiapas, Mexico
- 1:15 Lucia Henderson—Fire and Water: Continuities and Contrasts in the Art of Volcanic Regions
- 1:30 Carrie Dennett and Lorelei Platz—When the Walls Fall Down: Resilience and Cultural Transformation in Late Classic Pacific Nicaragua
- 1:45 Venicia Slotten—Prehispanic Life and Foodways in the Arenal Region, Costa Rica: Resilience at La Chiripa
- 2:00 Rachel Egan—Prehispanic Social Networks: The Case for Innovation and Adaption as Responses to Repeat, Catastrophic Eruptions in the Tilarán-Arenal Region of Costa Rica
- 2:15 James Zeidler—New Perspectives on Holocene Ecuadorian Volcanism and Its Impacts on a Distal Prehispanic Landscape in Late Jama-Coaque II Times
- 2:30 Karen Holmberg—Prehistoric Eruptions, Contemporary Catastrophes, and Future Risk Perception at Chaiten Volcano, Northwestern Patagonia, Chile
- 2:45 Walter Little—A Cultural Economy of Relief in the Aftermath of a Volcanic Eruption in Guatemala
- 3:00 Payson Sheets—Discussant

[158] SYMPOSIUM ■ THE PRECLASSIC LANDSCAPE IN THE MOPAN VALLEY, BELIZE

Room: 18B (ACC)

Time: 1:00 p.m.–3:30 p.m.

Chairs: Whitney Lytle and M. Kathryn Brown

Participants:

- 1:00 M. Kathryn Brown—Preclassic Foundations in the Mopan River Valley, Belize
1:15 Zoe Rawski—Situating Early Xunantunich, Belize, in the Preclassic Landscape: A Synthetic Perspective from Structure F1
1:30 Alessandra Villarreal—Middle Preclassic Ceramic Distribution in Western Belize: A Comparative Study from Early Xunantunich
1:45 Victoria Ingalls—Ritual and Movement in the Preclassic Hinterlands of the Mopan River Valley
2:00 Rachel Horowitz and M. Kathryn Brown—Preclassic Ritual at the Las Ruinas de Arenal, Belize E Group
2:15 David Burns—Investigations of an Early Maya Ball Court at Las Ruinas de Arenal, Belize
2:30 Borislava Simova—Formal Architecture and Standardized Practice: Tracing the Relationship between E Groups and Ritual Practice at the Site of Actuncan, Belize
2:45 Tia Watkins, Jaime Awe, Claire Ebert and Douglas Tilden—Recent Chronological Developments at Xunantunich, Belize: Investigating Preclassic Architecture in the Monumental Site Core
3:00 Whitney Lytle—The Ancestors You Choose: The Role of Predecessors from the Late Preclassic to Late Classic at Xunantunich, Group D Belize
3:15 George Bey—Discussant

[159] GENERAL SESSION ■ HISTORIC ARCHAEOLOGY IN EUROPE AND THE MEDITERRANEAN

Room: 13AB (ACC)

Time: 1:00 p.m.–3:30 p.m.

Chair: Kate Trusler

Participants:

- 1:00 Kate Trusler, Jessica Bernstetter, Wayne Lorenz and G. Martin-Apostolatos—Around the Neighboring Watering Hole: Comparative Analysis of Fountains in Pompeii and Herculaneum
1:15 Jessica Bernstetter, A. Kate Trusler and Wayne Lorenz—Space and Visual Display in the House of Efebo: A Case Study for Water as Wealth in Roman Pompeii
1:30 Heather Rosch—Making Do with What We've Got: Understanding Rural Ottoman Life using the Sources Available
1:45 Petra Vaiglova, Gideon Hartman and Guy Bar-Oz—Climate stability and societal decline on the margins of the Byzantine Empire in the Negev Desert
2:00 Andrea Vianello and Robert Tykot—Mobility Patterns in Early Medieval Northeastern Italy: Results of Strontium and Oxygen Isotope Analyses
2:15 Sandra Scham—Archaeology and Ethnic Nationalism: The Desired Past of White Supremacists
2:30 Britta Spaulding—The Girl (from the Marsh Croft) I Left Behind? Gender Archaeology and Industrialization in Early Modern Sweden
2:45 Christopher Witmore and Bjørnar Olsen—Svaerholt, WWII History, and Archaeology
3:00 Emily Briggs, Lia Betti, Todd Rae, George Kamenov and John Krigbaum—A Multi-Isotopic Approach for Estimating the Geographic Origin of Individuals Buried in the Late Saxon Cemetery at Priory Orchard, England

- 3:15 Daniela Turcanu-Carutiu, Rodica-Mariana Ion, Alessandro Ravotto, Sorin Tincu and Verginica Schroder—Protecting the defenses by Preservation of Fortresses: Barcino, Civitas Tropaensium, and Corvin Castle

[160] GENERAL SESSION ■ PUBLIC AND COMMUNITY ARCHAEOLOGY

Room: 12A (ACC)

Time: 1:00 p.m.–3:30 p.m.

Chair: Benjamin Steere

Participants:

- 1:00 Stanley Bond—Exploring Different Confidentiality Standards between Archaeological Resources Protection Act, Section 9, and Title 54 (54 U.S.C. 307103) (Formerly National Historic Preservation Act, Section 304)
- 1:15 Kristin Hoppa, Matthew Vestuto and Jennifer Perry—Navigating Cultural Landscapes with Ethnographic Place Name Story Maps
- 1:30 Anna Sloan and Annie Caruso—Using Ethnographic Methods in Decolonizing Archaeological Practice: Two Examples from Community-Based Projects in the Americas
- 1:45 Annie Caruso—Decolonizing Archaeology through Ethnography: Source Community Responses to Euro-American Archaeological Practices in the Eastern Caribbean
- 2:00 Corey Knox, Sara Chavarria, Barbara Mills and Stanley Bond—Effective Experiential Learning Strategies That Critically Engage High School Students in Archaeology and Heritage
- 2:15 Aimée Carbaugh—A Work in Progress: Building Collaborative Relationships among Archaeologists, Indigenous Communities, and the General Public
- 2:30 Benjamin Steere—Preserving the Nikwasi Mound: Archaeology, Controversy, and Tribal Sovereignty in the Cherokee Heartland of Western North Carolina
- 2:45 Paula Porubcan, Paula Bryant, James Meierhoff and Artur Stasiak—Preservation on Public Lands: Chicago's CCC and WWII German POW Camps
- 3:00 Abby Mann—Humanizing the Past through Human-Canine Interactions in the Maine/Maritime Region: An Archaeological Case Study from the Holmes Point West Site in Machiasport, Maine
- 3:15 Corey Bowen, Benjamin Schaefer and Corey Bowen—Cultural Heritage Politics and Pokémon Go: A Preliminary Case Study of the Gamification of Archaeological Sites in Andean South America

[161] SYMPOSIUM ■ ARCHAEOLOGY IN THE XINGU RIVER BASIN: LONG-TERM HISTORIES, CURRENT THREATS, AND FUTURE PERSPECTIVES

Room: 14 (ACC)

Time: 1:00 p.m.–3:45 p.m.

Chairs: Michael Heckenberger and Helena Pinto Lima

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 Jennifer Watling and Morgan Schmidt—Identifying Past Vegetation Dynamics in Xingu Indigenous Territory Using Soil Phytolith Analysis
- 1:30 Morgan Schmidt and Jennifer Watling—Formation Processes, Fertility, Spatial Extent, and Carbon Content of Amazonian Anthropogenic Soils in the Upper Xingu
- 1:45 Fabiola Silva and Lorena Garcia—Landscapes of the Mid-Low Xingu: Archaeology, Temporality, and *Longue Durée* Indigenous Stories

- 2:00 Bruna Rocha, Vinicius Honorato, Márcio Amaral, William Balée and Lana Guimarães Melo—The Pristine Myth and Its Consequences for Amazonian Forest Peoples: An Example from the Upper Iriri
- 2:15 Renato Kipnis, Solange Caldarelli, Leticia Muller, Andrey Castro and Aguinaldo Marques—A Historical Perspective on the Nature of Precolonial Settlements in the Middle Xingu River Basin
- 2:30 Helena Pinto Lima—OCA—Culture, Origins, and Environment: Archaeological Collaborative Research in the Lower Xingu
- 2:45 David Wright, Ke Dong, Jonathan Adams and Helena Pinto Lima—Anthropogenic Landscapes in the Lower Xingu: Detection, Characterization, and Future
- 3:00 Andrew Wyatt, Laura Furquim and Helena Pinto Lima —Archaeological Plant Remains from the Lower Xingu
- 3:15 Kyle Harper—Precolonial-Historic Transformations of Amazonian Dark Earth Soils at the Carrazedo Site (Para, Brazil)
- 3:30 Eduardo Neves—Discussant

[162] **GENERAL SESSION ■ ADVANCES IN PALEOLITHIC ARCHAEOLOGY**

Room: 15 (ACC)

Time: 1:00 p.m.–3:45 p.m.

Chair: Dan Cabanes

Participants:

- 1:00 Emily Coco, Simon Holdaway and Radu Iovita—Technological Evolution Is Unnecessary for the Formation of “Transitional” Industries
- 1:15 Joseph Wayman—Further Experiments Exploring the Kinetics of Acheulean LCTs Interacting with Animal Footsteps
- 1:30 Britt Bousman, Kristen Wroth, Chantel Tribolo, Lloyd Rossouw and Michael Toffolo—New Stone Age Excavations at Lovedale and Damvlei in the Modder River Valley, South Africa
- 1:45 Mel Miller—Artifact Condition, Site Formation, and Artifact Utilization at the Fauresmith Site of Bestwood, South Africa
- 2:00 Dan Cabanes, Diego Angelucci, Valentín Villaverde, Josefina Zapata and João Zilhão—A Microarchaeological Approach to the Use of Fire during the Middle and Upper Paleolithic at El Abrigo de la Boja, Spain
- 2:15 Matthias Blessing, Patrick Schmidt and Claudio Tennie—On the Role of Birch Tar Production in the Discussion of Cognitive Complexity in Neanderthals
- 2:30 Wei Chu, Adrian Dobos, João Marreiros, Alex Cionei and Jürgen Richter—A High-Resolution Investigation of the Middle-Upper Paleolithic Transition at Românești-Dumbrăvița I (Banat, Romania)
- 2:45 Gillian Wong, Dorothee Drucker, Britt Starkovich and Nicholas Conard—Heterogeneity in Late Glacial Environments of Southwest Germany and Implications for Magdalenian Settlement
- 3:00 Kaoru Akoshima and Hyewon Hong—For Identification Standards of Lithic Use-Wear in the East Asian Paleolithic
- 3:15 Jiaqi Wang, Chunxue Wang and Lishuang Sheng—A Preliminary Report on Excavations at Locality 2 of Chaoyangdong Site in North China
- 3:30 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

[163] SYMPOSIUM ■ MULTIDISCIPLINARY INVESTIGATIONS IN THE MIRADOR BASIN, GUATEMALA: NEW INSIGHTS INTO THE ORIGINS AND DYNAMICS OF INCIPIENT MAYA CIVILIZATION

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

Room: Ballroom G (ACC)

Time: 1:00 p.m.–4:15 p.m.

Chair: Richard Hansen

Participants:

- 1:00 Richard Hansen, Edgar Suyuc, Carlos Morales-Aguilar and AnaBeatriz Balcarcel—Multidisciplinary Investigations in the Mirador Basin, Guatemala: New Insights into the Origins and Dynamics of Incipiente Maya Civilization
- 1:15 Ross Ensley, Richard Hansen, Carlos Morales-Aguilar and Josie Thompson—Landscapes of the Mirador-Calakmul Karst Basin
- 1:30 Enrique Hernández, Richard Hansen, Carlos Morales and Francisco López—Resultados de las exploraciones y sondeos en el complejo henequen del sitio Tintal, Guatemala
- 1:45 Alejandro Patino-Contreras—The Ceramic Sequence of Tintal, Petén, Guatemala
- 2:00 Carlos Morales-Aguilar—In the Land of the Codex-Style Ceramics: New Insights on Classic Maya Settlement Organization in the Mirador Basin, Petén, Guatemala
- 2:15 Richard Paine, Enrique Hernández and Richard Hansen—Invisible Structures at El Mirador: Challenges and Prospects
- 2:30 Sara Dalton—At the Gates of Xibalba: The Chultunes of El Mirador
- 2:45 Richard Terry and Daniel Bair—Soil Chemical Analysis of the Floors of Walled Enclosures within the Mirador Basin
- 3:00 Glenna Nielsen-Grimm and Richard Hansen—Excavations on El Leon
- 3:15 AnaBeatriz Balcarcel—Temas eternos, datos nuevos de arquitectura ritual: La cancha para juego de pelota de Tintal, Cuenca Mirador, Petén, Guatemala
- 3:30 Richard Hansen—Discussant
- 3:45 Norman Hammond—Discussant
- 4:00 Questions and Answers

[164] GENERAL SESSION ■ ICONOGRAPHY AND EPIGRAPHY IN THE AMERICAS

Room: 12B (ACC)

Time: 1:00 p.m.–4:15 p.m.

Chair: Katharine Fernstrom

Participants:

- 1:00 Katharine Fernstrom—Mapping Human Imagery in Precontact North American Social Networks
- 1:15 William Iseminger—Cahokia-style Engraved Stone Tablets: A Study of Form and Design
- 1:30 Thomas Alex—Jose's Cantina: A Seasonal Observation Site in Big Bend National Park, Texas
- 1:45 Garth Norman—260-Day Sacred Calendar at the Izapa Temple Observatory, Southern Mexico
- 2:00 Kathryn Florence—Dancing with Death at Monte Alban: Interconnected Polities and Violence in a Disembedded Capital
- 2:15 Mallory Matsumoto—Hieroglyphs and Hegemony in the Classic Maya kingdoms of Piedras Negras and Yaxchilan
- 2:30 Natalie Bankuti—Emblems of Authority: A Comparison of Preclassic and Classic Maya Inscribed Jade Artifacts

- 2:45 Stephen Houston and Karl Taube—Houses of Mirth: The Ancient Maya and the Laughter of States
- 3:00 Xavier McClean, Traci Ardren and Harri Kettunen—Establishing Provenance and Analysis of King Wak Chan K'awiil's Bowl
- 3:15 Zachary Lindsey—In My Grownup Headdress: The Iconography of Childhood and Investitures in Classic Maya Art
- 3:30 Alexander Safronov—Wars of the Western Maya Kings: Military Conflicts in Lacandon Selva at the Turn of the Seventh–Eighth Centuries
- 3:45 Maline Werness-Rude and Kaylee Spencer—Furnishing the Plaza: Classifying and Examining Northern Plaza Features
- 4:00 Jeffrey Splitstoser and Jon Clindaniel—Color Conventions in Wari and Inka Khipus

[165] GENERAL SESSION ■ HISTORIC ARCHAEOLOGY IN THE SOUTHWEST UNITED STATES AND MESOAMERICA

Room: 16A (ACC)

Time: 1:00 p.m.–4:30 p.m.

Chair: Lauren Brooks

Participants:

- 1:00 Erin Gearty and Julie McGilvray—Exploring the Designed Landscape within Carlsbad Cavern: Lidar Mapping of the Historic Cave Trail System at Carlsbad Caverns National Park
- 1:15 Zachary Overfield and Ashley Eyeington—Iron and Convict Labor: The Archaeological Investigations of the Rusk State Penitentiary
- 1:30 Shelby Patrick and Scott Ingram—An Investigation of Stone Huts in Crestone, Colorado
- 1:45 Sasha Romih—The Historic Railroad at Fort Huachuca, AZ
- 2:00 Lauren Brooks—From Boom Town to Ghost Town: The Historical Significance and Cultural Impacts of Harquahala Mine
- 2:15 Carole Graham, Sheldon Baker and Joel Gamache—Razor Blades, Toys, and Footers—Documentation of the Historical Mesa Verde Company's Cabin Concession Area (5MV4450), Mesa Verde National Park, Colorado
- 2:30 Kaitlyn Eldredge and Katrina Eichner—Teacup Sherds and Rifle Cartridges: Defining Frontier Consumption Patterns and Daily Life as Practiced at Fort Davis, Texas
- 2:45 Kelly Jenks—Investigating Parajes: An Exploration of “Camping” Sites on the Camino Real
- 3:00 Klinton Burgio-Ericson—Pecking in Strange Places: Rock Art and Seventeenth-Century Zuni Missions
- 3:15 Leslie Sesler—The Famous, the Infamous, and the Unknown: A Just-so Story at the Intersection of Archaeology and History in Canyon of the Ancients National Monument, Southwest Colorado.
- 3:30 Lila Jones and Eileen Johnson—Interpreting a Mid-Eighteenth-Century Vertebrate Assemblage from a Probable Comanche site on the Southern High Plains of Texas
- 3:45 Laura Ellyson and Stefani Crabtree—Network Analysis of Hopi Shepherding Groups from Early Twentieth-Century Orayvi
- 4:00 Lorena Medina Martínez—Análisis arqueológico de un predio en el centro histórico de la Ciudad de México
- 4:15 Kasey Diserens Morgan and Kathryn Morgan—Rethinking Facadism: How Governments Use Heritage to Control the Maya Past

- [166] SYMPOSIUM ■ DANCING THROUGH ICONOGRAPHIC CORPORA: A SYMPOSIUM IN HONOR OF F. KENT REILLY III**
Room: 19A (ACC)
Time: 1:00 p.m.–4:45 p.m.
Chairs: Shawn Lambert, Bretton Giles and John Stauffer

Participants:

- 1:00 Nathan Heep, John Stauffer, Jesse Nowak, Matthew Colvin and Johann Sawyer—Dr. F. Kent Reilly III: Pioneer of Emic Approaches to Native American Religions and Art
- 1:15 Annabeth Headrick—Ice and the Sun: The Aztec Calendar Stone and Its Origins
- 1:30 Michelle Rich, Matthew Robb and David Freidel—Jade Faces: Heirlooms and Emulations in Olmec and Maya Art
- 1:45 Daniel Aquino and Juan Melendez—Of Snakes and Masks: A Contextual and Iconographic Study of Ancient Maya Greenstone Mosaic Masks
- 2:00 Joy Mersmann and John Stauffer—North American “Chac and Roll”: Material Correlates of Thunder God Symbolism in American Bottom Archaeology
- 2:15 Steve Boles—Cahokia’s Wandering Supernaturals: What Does It Mean When the Earth Mother Leaves Town
- 2:30 Natalie Mueller and S. Margaret Spivey—Poverty Point Objects as Icons: Plant and Animal Imagery
- 2:45 John Kelly—The Square within the Circle: Plazas as Stages of Symbolic Performance at Cahokia and Environs
- 3:00 Madelaine Azar—Cruising through the Cosmos: Making Sense of “Rim Rider” Effigy Bowl Iconography in the Central Mississippi River Valley
- 3:15 David Dye—Mississippian and Oneota Interaction in the Lower Mississippi Valley
- 3:30 Mary Beth Trubitt, George Sabo III and Teka McGlothlin—Tracing Human and Animal Imagery through Caddo Effigy Vessels, Stories, and Dance
- 3:45 Shawn Lambert—Iconographic and Organic Residue Evidence for Datura-Making in Central Arkansas River Valley
- 4:00 Bretton Giles—Mississippian Cosmos as Artificial Memory Systems
- 4:15 Jesse Nowak—Seeing Like an Iconographer: Can Perspectivism Inform our Interpretations of Mississippian Iconography?
- 4:30 Frank Reilly—Discussant

- [167] SYMPOSIUM ■ THE BETHEL CEMETERY RELOCATION PROJECT: HISTORICAL, OSTEOLOGICAL, AND MATERIAL CULTURE ANALYSES OF A NINETEENTH-CENTURY INDIANA CEMETERY**
Room: 19B (ACC)
Time: 1:00 p.m.–4:45 p.m.
Chair: Brooke Drew

Participants:

- 1:00 Kathleen Settle—Bethel Cemetery Relocation Project: An Introduction and Overview
- 1:15 Hunter Herzog and Brooke Drew—Early Settlers of Central Indiana: The Historical Background of Decatur Township and the Bethel Cemetery
- 1:30 Joshua Myers and Alex Badillo—Bethel Cemetery: SfM Photogrammetry and Digital Mapping in Burial Excavation
- 1:45 Aaron Estes—Beyond Bethel: Applications and Adaptations of SfM Photogrammetric Methods in CRM
- 2:00 Jeremy Wilson, Grace Bocko and Olivia Messenger—The Bioarchaeology of Bethel Cemetery: Dying, Death, and Demographic Transitions in Nineteenth-Century Central Indiana

- 2:15 Gretchen Zoeller—Diseases and the Darker Histories of Bethel Cemetery: A Case Study of Treponemal Disease
- 2:30 Allie Powell and Jeremy Wilson—Children of the Gilded Age: Juvenile Age Estimation and Fertility Approximation for the Bethel Cemetery
- 2:45 Megan Hoffman—Estimating Sex in Subadults from the Bethel Cemetery, Indianapolis, IN, via Dental Metric Dimorphism
- 3:00 Brooke Drew—Coffins, Burial Cases, and Caskets: Coffin Hardware and Other Material Culture from a Nineteenth-Century Indiana Cemetery
- 3:15 Micca Metz—The Beauty behind How Our Families Loved Us: An Analysis of the Decorative Coffin Hardware of Subadults in Bethel Cemetery, Indianapolis, IN
- 3:30 Jillian Okray—A Look into the Vaults: An Analysis of Nineteenth- and Twentieth-Century Burial Vaults at Bethel Cemetery, Marion County, IN
- 3:45 Armando Anzellini—The Family Plot: Burial Patterns, Grave Location, and Kinship at Bethel Cemetery
- 4:00 Ryan Peterson and Amy Johnson—Bethel Cemetery Reburial, Agency, and Stakeholder Coordination
- 4:15 Questions and Answers
- 4:30 Patricia Richards—Discussant

[168] SYMPOSIUM ■ ANCIENT MESOAMERICAN EXCHANGE SYSTEMS AND ECONOMY: BUILDING ON THE WORK OF RONALD BISHOP, PART 2

Room: Salon G (H)

Time: 1:00 p.m.–4:15 p.m.

Chair: Erin Sears

Participants:

- 1:00 Catharina Santasilia—Ethics and INAA: Early Formative Movement
- 1:15 William Folan, Joel Gunn and Maria del Rosario Dominguez Carrasco—The Importance of Neutron Activation Analysis in the Study of Ceramic Vessels and Clay Figurines of Calakmul, Campeche
- 1:30 Jean-Baptiste Le Moine and Christina Halperin—Shifting Terminal Classic Maya Political-Economies from the Perspective of Ucanal, Petén, Guatemala
- 1:45 Jaime Awe, Claire Ebert, Lauren Sullivan and Jillian Jordan—INAA Analyses of Cunil and Kanluk Ceramics from Cahal Pech and Their Implications for Determining the Origins of the Earliest Maya Settlements in the Belize River Valley
- 2:00 James Brady—Instrumental Neutron Activation Analysis at Naj Tunich: The Economics of Pilgrimage Production
- 2:15 Roberto López Bravo, Elizabeth Paris and Timothy Sullivan—Coming through the Borders: Fine Orange Pottery, Trade, and Politics in Central Chiapas
- 2:30 Megan Leight and Brent Woodfill—Honoring the Legacy of Ron Bishop at Salinas de los Nueve Cerros
- 2:45 Larry Steinbrenner, Carrie Dennett and Silvia Salgado—Perspectives on the GNCP and Ceramic Production in Greater Nicoya
- 3:00 Miriam Stark, Peter Grave, Lisa Kealhofer, Piphal Heng and Darith Ea—Large-Scale NAA Provenancing of Angkorian Khmer Stonewares, Cambodia
- 3:15 Veletta Canouts—The Smithsonian's Hopi Ceramic Project: A Perspective
- 3:30 Marc Marino and Wesley Stoner—Things We Know Because of Ron: Bishop's Impact on the Field of Archaeological Materials Science
- 3:45 Erin Sears—My Q-Mode Brings all the "Boys" to the Yard
- 4:00 Ronald Bishop—Discussant

[169] GENERAL SESSION ■ BIOARCHAEOLOGY, MORTUARY ANALYSIS, AND ANCIENT DNA**Room:** Salon F (H)**Time:** 1:00 p.m.–4:45 p.m.**Chair:** Angelina Locker**Participants:**

- 1:00 L. Antonio Curet—Life and Death at the Ceremonial Center of Tibes, Ponce, Puerto Rico
- 1:15 Raquel Fleskes, Graciela Cabana and Theodore Schurr—Genomic Insights into Kinship and Labor at Seventeenth-Century Patuxent Point, Maryland
- 1:30 Savannah Newell and Jonathan Karty—Up in Smoke: Detection of Tobacco Use in Skeletal Remains from the Prehistoric Midwest
- 1:45 Bridget Bey and Jane Buikstra—Puberty in Prehistory: Pubertal Timing in the Late Woodlands
- 2:00 Eric Schroeder—Status and Inequality during the Toyah Interval (1250–1700 CE): A View from the Mortuary Data
- 2:15 Sterling Wright, Kristen Rayfield, Courtney Hofman, Andrei Soficaru and Adam Rabinowitz—The Integrity of Biomolecules across the Oral Matrix from Histria, Romania
- 2:30 Michael Kolb, Christine Pink and William Balco—Late Bronze Age Reuse of a Late Copper Age Chamber Tomb in Western Sicily
- 2:45 Angelina Locker, Asa Lind, Fred Valdez Jr. and Deborah Bolnick—Ancient DNA of Prehistoric Maya: Feasibility, Possibilities, and Implications for Research in the Neotropics
- 3:00 Sarah Loomis—Bloodshed and Bloodlines: Mortuary and Sacrifice at Los Guachimontones
- 3:15 Genesis Torres Morales and Celeste Gagnon—Exploring Stress and Diet: A Bioarchaeological Understanding of the Chimú at Huaca de la Luna
- 3:30 Elizabeth Bews, Zsolt Nyaradi, Jonathan Bethard, Katie Zejdlik and Andre Gonciar—An Osteobiography of a Juvenile Individual from Papdomb, Transylvania
- 3:45 Victoria Izzo, John Walden, Kirsten Green, Rosie Bongiovanni and Ashley McKeown—Identifying Patterned Variability in Preclassic–Postclassic Maya Mortuary Practices in the Belize River Valley
- 4:00 Rachel Summers-Wilson, Merabeth Snow and Michael Searcy—Mitogenome Analysis of the Elite Individuals Interred in the House of the Dead Complex at Paquimé (Casas Grandes), Mexico
- 4:15 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
- 4:30 James Moore—Landscapes of Oblivion: Forgetting, Burial Grounds, and Placing the Past

[170] SYMPOSIUM ■ NO STONE UNTURNED: A SYMPOSIUM IN HONOR OF MICHAEL B. COLLINS**Room:** Salon J (H)**Time:** 1:00 p.m.–5:00 p.m.**Chairs:** Thomas Williams and Nancy Velchoff**Participants:**

- 1:00 Nancy Velchoff—Mike Collins and the Chuck Norris Effect
- 1:15 Richard Boisvert—Mike Collins in the Bluegrass: Foundations and Contributions at the University of Kentucky
- 1:30 Reid Ferring—The Alpha and Omega of Clovis Lithic Technology: Evidence from the Gault and Aubrey Sites in Texas

- 1:45 D. Clark Wernecke and Ashley Lemke—Keep Calm and Doodle On
2:00 Marty Horn, Britt Bousman, Jennifer Whittington, Sarah Morris and Molly Hall—
Looking for Pre-Clovis Geological Deposits in the Sulphur River Valley, Texas
2:15 Dennis Jenkins, Katelyn McDonough, Richard Rosencrance and Justin
Holcomb—Current Investigations at Connley Cave 5, Fort Rock Basin, Oregon:
A Series of Late Pleistocene Western Stemmed Tradition Occupations
2:30 Loren Davis—Late Pleistocene Occupation at the Cooper's Ferry Site, Idaho:
Questions and Answers
2:45 Matthew Des Lauriers, David Madsen, Loren Davis, Antonio Porcayo Michelini
and David Rhode—Deep Water Maritime Adaptations along the Pacific Coast of
Northwest Mexico during and before Clovis Times
3:00 Ciprian Ardelean—Reflections about Humans of the LGM in Americas:
Ontology, Epistemology, and Academic Religiousness
3:15 Steven Holen and Kathleen Hoken—The Mammoth Steppe Hypothesis: New
Evidence Concerning Pre-Last Glacial Maximum Humans in the Americas
3:30 Ruth Gruhn—Critical Remarks about Present Conceptions of the Initial Peopling
of the Americas
3:45 Tom Dillehay—Mike and Monte Verde
4:00 J. M. Adovasio—The Gault Site, Mike Collins, and the Prehistory of the America
4:15 Margaret Jodry—A Smithsonian Perspective on 40 Years of Cooperation and
Collaboration with Mike Collins
4:30 Bruce Bradley—Discussant
4:45 Thomas Williams—Discussant

**[171] SYMPOSIUM ■ RISKIER BUSINESS, PART 2: COMPARATIVE APPROACHES TO RISK
AND RESILIENCE IN DRYLAND ENVIRONMENTS**

Room: Salon K (H)

Time: 1:00 p.m.–5:00 p.m.

Chair: Alison Damick

Participants:

- 1:00 Alison Damick—Discussant
1:15 Emily Dawson—Risk and Resilience on the Colonial Frontier in New Mexico
1:30 Michael Aiuvalasit—Domestic Water Insecurity, Climate Change, and the Long-
Term Sustainability of Communities: A Case Study of Ancestral Pueblo Dryland
Farmers in the Jemez Mountains, New Mexico
1:45 Emily Lena Jones and Jonathan Dombrosky—Environmental Risk and Culture
Change in the Middle Rio Grande Valley of New Mexico
2:00 Kyle Bocinsky, Stefani Crabtree and Sarah Oas—Notes on Biodiversity and
Food Risk: A Reanalysis of Subsistence Data from the Central Mesa Verde
Region
2:15 Alison Damick and Arlene Rosen—What Is at Risk? Arid-Land Management
Strategies by Hunter-Gatherers to Increase Plant Resource Potential in the
Archaic Period, Northern Rio Grande
2:30 Raven Garvey—Unacceptable Risk: Why Patagonians Didn't Farm
2:45 Questions and Answers
3:00 Virginia McRostie, Eugenia Gayo, Claudio Latorre and Calogero Santoro—
Humans, Plants and Animals: Landscape Transformation and Management
during the Formative Period of the Atacama Desert
3:15 Elisabeth Hildebrand, Katherine Grillo, Anneke Janzen, Elizabeth Sawchuk and
Susan Pfeiffer—Buffering New Risks? Social and Economic Changes around
Lake Turkana, Kenya 5000–4000 BP

- 3:30 Steven Brandt, Rachel Brown Reid, Isabella Crevecoeur, Mica Jones and Marie Matu—Islands in the Stream: Human Reliance on Inselbergs as Islands of Resilience and Security in Arid Late Pleistocene (MIS 2) and Holocene Somalia
- 3:45 Monica Ramsey—Contrasting Inherited Ecologies: Wetland and Dryland Exploitation in the Transition to Plant-Food Production
- 4:00 Danielle Macdonald and Lisa Maher—Leaving Home: The Abandonment of Kharaneh IV
- 4:15 Steven Rosen—Between the Rock and the Hard Place: Cyclicities of Adaptation in the Negev over the Long-Term
- 4:30 Tim Kohler—Discussant
- 4:45 Graeme Barker—Discussant

[172] SYMPOSIUM ■ NAVIGATING ETHICAL AND LEGAL QUANDARIES IN MODERN ARCHAEOLOGICAL CURATION

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

Room: 18C (ACC)

Time: 1:00 p.m.–5:00 p.m.

Chair: Marieka Arksey

Participants:

- 1:00 Marieka Arksey—Donations, Appraisals, and Tax Write-Offs: Trying to Keep Collections Off of the Antiquities Market
- 1:15 Maxine McBrinn, Julia Clifton, Amy Montoya and Diana Sherman—Donations and Transfers: Recent Challenges at One State Repository
- 1:30 Siobhan Hart—Curating Archaeological Collections in the Private Small Liberal Arts Context
- 1:45 Gregory Lattanzi—The Good, the Bad, and the Not So Great: Archaeological Curation at the New Jersey State Museum
- 2:00 Elanor Sonderman—Are We Adequately Training the Next Generation? Ethics in Curation Education
- 2:15 Danielle Cathcart—Warehousing the Past: Are We Doing the Right Thing?
- 2:30 Elysia Petras and Leslie Reeder-Myers—Ethical Considerations of Using Museum Collections to Teach in a University Setting
- 2:45 Patrick Lyons—Discussant
- 3:00 Kathryn MacFarland, Arthur Vokes, Suzanne Eckert and Patrick Lyons—A New Fee Structure to Ensure Repository and Archive Sustainability
- 3:15 Katherine Lamie and David Williams—Dusting Off “Legacy” Projects: Collaboration and Compromise to Complete 30-Year-Old Projects
- 3:30 Elizabeth Johnson—Digging Out: Finding Creative Solutions to Four Decades of CRM Collections
- 3:45 Douglas Wilson, Theresa Langford and Meagan Huff—Navigating Museum Collections and Archaeological Research at Fort Vancouver
- 4:00 Melody Pope, April Sievert and Terry Harley-Wilson—Broken Links in the Chain of Custody
- 4:15 Lara Noldner and Jennifer Mack—Documentation of NAGPRA Items at the University of Iowa Office of the State Archaeologist
- 4:30 Jenna Domeischel and Susan Kuzminsky—Kittens, Mittens, and Skulls: Dealing with Unsolicited Donations in Museums
- 4:45 S. Terry Childs—Discussant

[173] SYMPOSIUM ■ INCREASING THE ACCESSIBILITY OF ANCIENT DNA WITHIN ARCHAEOLOGY

Room: 17B (ACC)

Time: 1:00 p.m.–5:00 p.m.

Chairs: Jakob Sedig and Kendra Sirak

Participants:

- 1:00 Kendra Sirak and Jakob Sedig—Exploring Male Sex Bias in Ancient DNA Research
- 1:15 Vagheesh Narasimhan—Understanding Natural Selection in Humans from Time Series Data
- 1:30 Pavel Flegontov, Leonid Vyazov and Airat Sitdikov—Managing the Explosive Growth of Archaeogenetics: Admixture Graphs and Graph-Based Archaeological Databases
- 1:45 Marc Vander Linden and David Meltzer—“You shall not oppress your neighbor, nor rob him” (Leviticus, 19.13): Methodological and Practical Considerations to Reassess the Genetics-Archaeology Dialogue
- 2:00 Rodrigo Nores, Nathan Nakatsuka, Pierre Luisi, Josefina Motti and David Reich—Genetic Change in South Patagonia over Seven Millennia
- 2:15 José Luis Punzo Díaz, Jakob Sedig, Alejandro Valdes and David Reich—First Results of the “Proyecto de investigación de poblaciones antiguas en el norte y occidente de México”
- 2:30 Nathan Nakatsuka, Vera Tiesler, Jakob Sedig, Douglas Price and David Reich—Ancient DNA from Campeche, Mexico, Reveals a Socially Segregated Population in the First Two Centuries after Hispanic Contact
- 2:45 Douglas Owsley, Karin Bruwelheide, Éadaoin Harney, William Kelso and David Reich—Identifying Seventeenth-Century Africans and High-Status Englishmen at Jamestown, Virginia
- 3:00 Miguel Vilar—Discussant
- 3:15 Kathrin Naegerle, Yadira Chinique de Armas, Silvia Hernandez Godoy, Ulises Gonzalez Herrera and Johannes Krause—Investigating Diversity in the Prehistoric Insular Caribbean: An Integrated Approach
- 3:30 John Johnson—Linking the Past to the Present: Collaborative DNA Research with Native Californians
- 3:45 Meradeth Snow and Michael Searcy—Migrating Genes: Using aDNA and Archaeological Data to Explain Migration in the Casas Grandes Region of Northern Mexico
- 4:00 Paige Plattner, Meradeth Snow, Aleksandar Kostic and Marsha Wibowo—Diet-Breadth Analysis in the Southwest: Comparison of Metabarcoding and Shotgun Sequencing Methods with Coprolites
- 4:15 Ludovic Orlando, Alan Outram and ERC PEGASUS Consortium—Rewriting Early Horse Domestication with the Help of Both Archaeology and Ancient DNA
- 4:30 Alexander Kim, Tatyana Savenkova, Yevgenia Reis, Nikolai Makarov and David Reich—Ancient Human Genomes Illuminate the Nonagricultural Neolithics of Central Siberia
- 4:45 Michael Frachetti—Discussant

[174] SYMPOSIUM ■ PEERING INTO THE NIGHT: TRANSITION, SOCIOPOLITICAL ORGANIZATION, AND ECONOMIC DYNAMICS AFTER THE DUSK OF CHAOS IN THE NORTH CENTRAL ANDES

Room: 18A (ACC)

Time: 1:00 p.m.–5:00 p.m.

Chairs: Jordi Rivera Prince and Patrick Mullins

Participants:

- 1:00 M. Elizabeth Grávalos—What Is Huarás? A Ceramic Compositional Approach to the Post-Chavín “White-on-Red” Style in Highland Ancash, Peru

- 1:15 Rebecca Briá—Temples and Tombs, Fields and Feasts, Pots and People: Shaping a New Social World after Chavín in Highland Ancash, Peru
- 1:30 Kimberly Munro—Revitalization and Acts of Renewal at the Kareycoto Mound: The Terminal Early Horizon at the Cosma Complex, Ancash, Peru
- 1:45 David Chicoine, George Lau and Jacob Bongers—Post-Chavín Political Developments in Ancash: Comparative Perspectives from the Nepeña and Pallasca Regions
- 2:00 Jacob Warner—Catastrophe or Opportunity? The El Niño-Southern Oscillation and the Dusk of the Chavín Interaction Sphere in the Lower Nepeña Valley
- 2:15 Vincent Chamussy, Nicolas Goepfert and Romuald Housse—Was Huarás (White-on-Red) a New Culture or the Revival of Chavín Culture?
- 2:30 Ivan Ghezzi—Chankillo as a Fortification and Post-Chavín Warfare in Casma, Peru
- 2:45 Brian Billman and Patrick Mullins—From Temple to Town: A Social History of a Four-Valley Region on the North Coast of Peru between 1000 BC and AD 1
- 3:00 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
- 3:15 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
- 3:30 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
- 3:45 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
- 4:00 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
- 4:15 Questions and Answers
- 4:30 Augusto Oyuela-Caycedo—Discussant
- 4:45 Richard Burger—Discussant

[175] GENERAL SESSION ■ ARTIFICIAL INTELLIGENCE, DRONES, LIDAR, AND MACHINE LEARNING: NOVEL APPROACHES TO ARCHAEOLOGICAL DATA COLLECTION AND ANALYSIS

Room: 16B (ACC)

Time: 1:00 p.m.–5:00 p.m.

Chair: Matthew Bandy

Participants:

- 1:00 Jennifer Martin—Artifact Illustration Using Camera Lucida Technology: A Guide for Researchers
- 1:15 Thomas Strasser—The Asphendou Cave Petroglyphs: Paleolithic Art on Crete
- 1:30 Samuel Martin, Dominique Langis-Barsetti, Joseph Lehner, Emre Kuruçayirli and Nicolle Hirschfeld—Investigating Copper Ingot Production in the Bronze Age Mediterranean Using 3D Derived Measurements
- 1:45 Christina Friberg, David Massey, Edward Herrmann and Quinn Lewis—New Age Methods, Age Old Questions: Lidar Point Clouds for Assessing Mississippian Moundbuilding Labor Investment
- 2:00 Brennan Dolan—Hand-Held Lidar at 13AM130: Merging Site Stewardship and Data Accuracy

- 2:15 Robert Hasenstab—Customized Interpolation of Lidar Data: A Case Study from Casper Bluff, Illinois
- 2:30 Jay Franklin, Linda Countryman, Bruce Phillips, John Jones and Jeremy Menzer—Multidisciplinary Investigations of Prehistoric Dryland Agricultural Systems in Central Arizona: The US60 Silver King to Superior Project
- 2:45 J. Christopher Gillam, Nicolas Zwyns, Masami Izuhō, Biambaa Gunchinsuren and Brent Woodfill—Falconing the Paleolithic: High-Resolution Aerial Mapping of Northern Mongolian Paleolithic Landscapes
- 3:00 Charles Williams—Lidar Prospection Uncovers the Forgotten Industrial Forest of the Shippenville Furnace, Northwestern Pennsylvania
- 3:15 David Hixson and Jeffrey Vadala—Unreal Archaeology: From Low-Cost Drone Imagery to Rapid VR Simulation at the Ancient Maya site of Chunchucmil, Yucatán, Mexico
- 3:30 Walter Crist and Cameron Browne—Reconstructing Ancient Board Games Using AI Techniques: The Digital Ludeme Project
- 3:45 Matthew Bandy and David Reinhart—Automated Identification of Archaeological Features in a Regional Lidar Dataset from Southeastern New Mexico
- 4:00 James Zimmer-Dauphinee, Gabriela Ore and Steven Wernke—Archaeology at Scale: Toward Automated Imagery Survey in the Andes Using Convolutional Neural Networks
- 4:15 Nicole Payntar, Wei-Lin Hsiao, R. Alan Covey and Kristen Grauman—Detecting Patterned Tourist Movement and Photography Using Geotagged Images of Archaeological Heritage Sites in Cuzco, Peru
- 4:30 Questions and Answers
- 4:45 Questions and Answers

[176] POSTER SESSION ■ THE ARCHAIC PERIOD IN EASTERN NORTH AMERICA

Room: Exhibit Hall 4 (ACC)

Time: 2:00 p.m.–4:00 p.m.

Participants:

- 176-a Erin Flynn—Mining Diamond Hill Resource Area: A Precontact Quartz Quarry in Northern Rhode Island
- 176-b Katherine Seikel, Mindy Bonine and Timothy Griffith—The Headwaters Site: Preliminary Site Analysis and Featured Finds
- 176-c Melissa Torquato, John Rapes, Ben Schiery and Erik Otárola-Castillo—The Effects of Regional Climate Change on the Foraging-Farming Transition in Eastern North America
- 176-d Kristen Jeremiah—Examining Exploited Resources from a Selection of Archaic Sites in Eastern Connecticut
- 176-e Mercedes Cody, Christina Nielsen and Steve Carpenter—Archaeological Investigations at the Llano Terrace Site (41MS78)
- 176-f Calista Almer, Michael Mlyniec and Igor Chechushkov—Site Patterning of Two Boulder Field Sites from the Lower North Shore of Quebec: Implications for Dating, Social Organization, and Future Research
- 176-g Priscila Carballo and Denise Axume—Comparison of Dental Pathologies between Males and Females from Two Archaic Texas Mortuary Sites
- 176-h Joseph Snider and Jarrod Burks—Recovering Data from the Trace Rockshelter in Jackson County, Ohio: A Successfully Litigated NAGPRA Case
- 176-i Laura Bossio—Analyzing Funerary Items and Assessing Interaction at the Williams Mortuary Complex in Northern Ohio
- 176-j Agnes Ray—Red Ochre in the Midcontinent
- 176-k Aksel Casson and James Jablonski—Preliminary Excavations at Wolf Creek, a Prehistoric Site in Western Pennsylvania

[177] POSTER SESSION ■ ARCHAEOLOGY OF THE ARCHAIC PERIOD**Room:** Exhibit Hall 4 (ACC)**Time:** 2:00 p.m.–4:00 p.m.**Participants:**

- 177-a Manuel San Román, Flavia Morello Repetto, Jimena Torres, Carolina Belmar and Omar Reyes—San Juan 1 Site: New Archaeological Information for Marine Hunter-Gatherers from the Middle-Late Holocene of Chiloé Island, Chile (42° S)
- 177-b Christopher Noll and Anna Coon—An Examination of Notched Stone Line and Net Weight Design
- 177-c Emily Helmer—Social Organization of a Late Holocene Village in Southern Oregon
- 177-d Emily McCuiston—Radiocarbon Dating the Lower Pecos Canyonlands and Evergreen Rosette Plant Baking
- 177-e Andrew Larsen and Jim Railey—Projectile Point Frequencies as Climatic Indicators
- 177-f Joy Tatem—Use-Wear Insight into the Chipped Stone Plant-Processing Tool Kit in the Lower Pecos Canyonlands
- 177-g Lauren Lewis and Lisbeth Louderback—Using Starch Grains to Study a Shift in Food Processing Technology in Cowboy Cave, UT
- 177-h Locke McIvor—Modeling the Hidden Panel Site
- 177-i Kassi Tomich, Alexandra Williams and Amy Commendador—Changes in Small Mammal Mandible Morphology with Environmental Fluctuations over the Holocene Period in the Snake River Plain, Southeastern Idaho
- 177-j Kaley Tucker, Lisbeth Louderback and Erick Robinson—Evidence for Geophyte Exploitation in the Green River Basin of Wyoming
- 177-k Elizabeth Lynch—Analysis of Catchy or Punny things: Analysis of Terrestrial Components at the Page-Ladson Site (8JE591), Northwest Florida, USA

[178] POSTER SESSION ■ THE CLASSIC PERIOD IN THE MAYA LOWLANDS**Room:** Exhibit Hall 4 (ACC)**Time:** 2:00 p.m.–4:00 p.m.**Participants:**

- 178-a Matthew Longstaffe, Virginia Chiac and Meaghan Peuramaki-Brown—Daily Life in the Periphery: Results of 2019 Excavations at a High-Status Household at the Ancient Maya Center of Alabama, Stann Creek District, Belize
- 178-b Scott Fedick and Louis Santiago—Evaluating the Food Values of Alternative Crops and Implications for Drought Effects on the Ancient Maya
- 178-c Gabriela Saldaña, Tia Watkins, Rosamund Fitzmaurice, Julie Hoggarth and Jaime Awe—Analysis of the Built Environment of the Group B Acropolis at Baking Pot: Results of the 2019 Field Season
- 178-d Olivia Ellis, John Walden, Ian Roa, Michael Biggie and Rafael Guerra—Understanding Diachronic Patterns of Feasting Related to the Development of Political Complexity at the Late Classic Maya Polity of Lower Dover, Belize
- 178-e Rebecca Friedel, Bernadette Cap, Carolyn Freiwald and Jason Yaeger—Paleoethnobotanical Remains from an Early Classic Maya Tomb at Buenavista del Cayo, Belize
- 178-f Erin Thornton, Kitty Emery, M. Charlotte Arnauld and Arianne Boileau—Good Things Come in Small Packages: A Unique Maya Cache from La Joyanca (Petén, Guatemala)

- 178-g Cady Rutherford, Marisol Cortes-Rincon, Jonathan Roldan and Spencer Mitchell—Wonky Structures or Wonky Tree Falls? Ground Truthing and Further Discoveries in a Hinterland Maya Household
- 178-h Emma Messinger, John Walden, Michael Biggie, Victoria Izzo and Kirsten Green—Examining Intermediate Elite Ancestor Veneration and Neighborhood Identity Formation through Mortuary Practices at Lower Dover, Belize
- 178-i Thomas Ruhl—Chultunes, New Scale and Perspective
- 178-j Caleigh Richissin—Investigating a Classic Maya Market at Say Kah, Belize
- 178-k Holly Neville—Glyph Block Organization in Classic Period Palenque Texts
- 178-l Ava Godhardt, Lauri Thompson, Julie Saul and David Hyde—Contemporaneous or Close at Death? Two Late Classic Burials from the Medicinal Trail Community, Northwestern Belize
- 178-m Arianna Ambrosio—Crafting in the Maya Hinterlands: Excavations at Tres Hermanas Group T19-1, El Perú-Waka', Guatemala
- 178-n Christopher Gunn—Slate Ware Development in the Northern Maya Lowlands during the Late and Terminal Classic Periods
- 178-o Spencer Foster—Beyond Stone: Organic Alternatives for Atlatl Dart Points among the Classic Lowland Maya
- 178-p Nathan Parrott and Armando Anaya Hernández—The Sakjol Marketplace of Yaxnohcah, Campeche, Mexico

[179] POSTER SESSION ■ HUNTER-GATHERERS POPULATION DYNAMICS, DIET, AND MOBILITY ON CENTRAL AND COASTAL TEXAS LANDSCAPES

Room: Exhibit Hall 4 (ACC)

Time: 2:00 p.m.—4:00 p.m.

Chair: Kristina Solis

Participants:

- 179-a Raymond Mauldin, Robert Hard, Jacob Freeman, Michelle Carpenter and Cynthia Munoz—Patterning in Stable Carbon ($\delta^{13}\text{C}$ Collagen, $\delta^{13}\text{C}$ carbonate) and Nitrogen ($\delta^{15}\text{N}$) Isotopes of Texas Hunter-Gatherers (7500–850 BP)
- 179-b Kristina Solis—An Analysis of Hunter-Gatherer Mobility and Territoriality in the Late Archaic Texas Coastal Plain Using Strontium Radiogenic Isotopes
- 179-c Peggy Wall—Using Summed Probability Distributions to Develop Expectations of Mobility in Bexar County, Texas
- 179-d Cynthia Munoz, Raymond Mauldin, Robert Hard, Michelle Carpenter and Kristin Corl—Isotopic Signatures of Hunter-Gatherers on the Texas Gulf Coast: Cayo del Oso (41NU2)
- 179-e Robert Hard, Raymond Mauldin, Jacob Freeman, Ashley Waldrip and Moureen Kaki—Patterns in Radiocarbon Summed Probability Distributions in Texas

[180] POSTER SESSION ■ CONVERSATIONS ON HUNTER-GATHERER BEHAVIOR AND LIFEWAYS

Room: Exhibit Hall 4 (ACC)

Time: 2:00 p.m.—4:00 p.m.

Chair: Amy Clark

Participants:

- 180-a Madeline Mackie and Todd Surovell—Early Paleoindian Hearth-Centered Activity Areas: Identifying Invisible Hearths and Their Spatial Structure at the La Prele Mammoth Site
- 180-b Jennifer Chen, Randall Haas, BrieAnna Langlie and James Watson—A Mixed Diet on the Andean Altiplano, 7000 BP

- 180-c D. Shane Miller, James Strawn, Derek Anderson and Kara Larson—Renewed Investigations at the Hester (22MO569) and Beachum-Harrison (22MO1011) Sites in Amory, Mississippi
- 180-d Amy Clark—Quarries, Workshops, or Campsites? How Are We to Understand the Wealth of Raw Material at Open Air Neanderthal Sites in France
- 180-e Kurt Rademaker, Emily Milton, Kendal Albrecht and Sarah Meinekat—Visualizing Cuncaicha, a Terminal Pleistocene Residential Base Camp in the High Peruvian Andes
- 180-f Chase Mahan, Sarah Allaun, Todd Surovell and Marcel Kornfeld—Redating the Sheaman Clovis Site, Wyoming
- 180-g Jesse Tune—Paleoindian Lithic Technological Organization and Evolutionary Theory
- 180-h Joseph Gingerich, Timothy Cleland, Gwenaelle Kavich, Linda Scott Cummings and William Childress—Is That Really Late Pleistocene Blood? A Case Study from the Clovis Assemblages at Smith Mountain, VA

[181] FORUM ■ LAND AND WATER REVISITED: PANEL DISCUSSION**Room:** Ballroom F (ACC)**Time:** 3:00 p.m.–5:00 p.m.**Moderator:** Kirk French**Participants:**

Richard Diehl—Discussant
 Rebecca Storey—Discussant
 David Webster—Discussant
 Jeffrey Parsons—Discussant
 Randolph Widmer—Discussant
 Charles Stanish—Discussant
 Deborah Nichols—Discussant
 Charles Kolb—Discussant

Saturday Morning ■ April 25, 2020

[182] GENERAL SESSION ■ **ARCHAEOLOGY OF THE ANDES: FORMATIVE, EARLY HORIZON, EARLY INTERMEDIATE PERIOD**

Room: 18C (ACC)

Time: 8:00 a.m.–9:45 a.m.

Chair: Kenneth Sutherland

Participants:

- 8:00 Dennis Nicolas Lorenzo—De la costa a la Amazonia: Un estudio sobre las rutas de interacción multirregional del Periodo Formativo Medio y Tardío en el Norte del Perú
- 8:15 Yuko Kanazaki, Takayuki Omori and Eisei Tsurumi—Early Pottery Development in a Frontier: A New Chronology of Wairajirca Pottery from the Huánuco Region, Peru
- 8:30 Kenneth Sutherland and David Chicoine—Early Horizon Plant and Animal Use in Ancient Peru: Insights from Soil Sample Analyses from Caylán (600–200 BCE), Nepeña Valley
- 8:45 Michelle Young—“International” before Nations: Ceramics and Supra-regional Identity Formation within the Chavín Sphere of Interaction
- 9:00 Lucy Salazar and Richard Burger—The AMS Dating of the Karwa Textiles and Its Implications for the Spread of the Chavín Cult
- 9:15 Christian Mesia-Montenegro—Secularism and Religiousness in Late Formative Ceramics from Chavín de Huántar
- 9:30 Kayeleigh Sharp—Monuments, Canals, and Ancient Emojis: The Northern Gallinazo Polity in Perspective

[183] ELECTRONIC SYMPOSIUM ■ **DIGITAL ARCHAEOLOGICAL METHODS IN THE COMMERCIAL SECTOR**

(Sponsored by Digital Data Interest Group)

Room: 16A (ACC)

Time: 8:00 a.m.–10:00 a.m.

Chair: Stephen Wagner

Participants:

- Chris Webster—Choosing the Right Hardware and Software for Challenging Fieldwork Conditions
- William Whitehead—Recent UAV Data Collection and Integration with Traditional Archaeological Methodologies
- Margarita de Guzman, Amanda Wong and Kristin McKay—Managing Spatial Data for Large-Scale Forestry Management Areas in Alberta
- Stephen Wagner—Managing a Data Hotel: An Artifact Catalog Database at a CRM Firm
- Joshua Wells, Eric Kansa, David Anderson, Erick Robinson and Sarah Whitcer Kansa—Growing Convergence between Compliance and Research Archaeology through Linked Open Data Strategies in the Digital Index of North American Archaeology

[184] POSTER SESSION ■ **ARCHAEOLOGY AND ITS STAKEHOLDERS**

Room: Exhibit Hall 4 (ACC)

Time: 8:00 a.m.–10:00 a.m.

Participants:

- 184-a Crystina Friese, Amy Michael and Meghan Howey—Toward Repatriation and the Creation of an Object Biography: A Multi-factorial Analysis of a Human Finger Bone “Necklace”

- 184-b Dorothy Lippert, Desireé Martinez and Michael Wilcox—Everything You Should Know about Indians but Were Afraid to Ask
- 184-c Cala Castleberry, Nicholas Laluk, Vernelda Grant and Vanessa Nosie—We are the Land: TCP Nominations, Activism, Politics, and Spirituality in Protecting Apache Sacred Places
- 184-d Amanda Ekdahl, Corina Kellner, Kerry Thompson, Ora Marek-Martinez and Leah Mundell—NAGPRA's Final Rule in Practice in U.S. Southwest Universities
- 184-e Eve Dewan—Schooling and Sovereignty in the Grand Ronde Tribal Community
- 184-f Carlyn Stewart and Alison Livesay—Why Public Archaeology Is Important: Artifacts, Ancestors, and Apricots (and Still No Dinosaurs)
- 184-g Elizabeth Cruzado Carranza—Education and Cultural Heritage Preservation in Rural Peru: Lessons from Nivín, Casma
- 184-h Angela Moody—NRCS Conservation Partnership Invitation
- 184-i Dominic Tullo, Kathryn Krasinski and Angela Wade—Ancient Trails: Community Archaeology in the Talkeetna Mountains
- 184-j Amelia Chisholm and Julie Markin—Heritage in Crisis: Cultural Resources Vulnerability in the Jug Bay Wetlands, MD
- 184-k Rebecca Harkness—Legal Limbo: A Case Study of NAGPRA Policies in the Mimbres Region of Southwest New Mexico
- 184-l Ellen Lofaro and Anne Amati—Let's Talk about a NAGPRA Community of Practice
- 184-m Konnie Wescott, Thomas Chiodini, Alison Rubio, Perri Gerard-Little and Kendra Kennedy—Community Outreach Efforts for Cultural Resources on Air Force Installations
- 184-n Tony Viola IV, Corey Knox and Sara Chavarria—Experiential Archaeology Programming for Youth: An Evaluation
- 184-o Stephen Molinarez, Tony Viola IV, Sara Chavarria and Barbara Mills—Translating Archaeology to Teach Teens
- 184-p MacKenzie DiMarco—Archaeological Heritage in Belize and Play 360

[185] POSTER SESSION ■ CONSERVATION AND CURATION**Room:** Exhibit Hall 4 (ACC)**Time:** 8:00 a.m.–10:00 a.m.**Participants:**

- 185-a Catherine Hill, Molly Kamph and Michael Frank—Securing a Legacy: Examining the Dennis Stanford Paleo-Indian Collection Project
- 185-b Meghan Grizzle—Jones-Miller Bison Kill Site: What the Hell (Gap) is Happening Now?
- 185-c Tia Ahlquist—Oral History of the Teotihuacan Research Laboratory
- 185-d Anna Semon—Surveying New York City Collections at the American Museum of Natural History
- 185-e E. W. Duane Quates and Charlotte Cable—At the Intersection of Archaeology, Conservation, and Policy: What We Can Learn from W. C. Lowdermilk
- 185-f Jason Yaeger, Bernadette Cap and M. Kathryn Brown—A Maya Pyrite Mosaic Mirror from a Royal Tomb at Buenavista del Cayo, Belize

[186] POSTER SESSION ■ CULTURAL RESOURCE MANAGEMENT**Room:** Exhibit Hall 4 (ACC)**Time:** 8:00 a.m.–10:00 a.m.**Participants:**

- 186-a Dagmar Galvan and Emily Engan—Role of a Fire Archaeologist

- 186-b Michael Neeley and Josh Chase—Revisiting the Henry Smith Site: New Work at a Late Prehistoric Site in the Northwestern Plains
- 186-c Trever Duarte, Jon Tulchin and Charmaine Wong—Nā Makau o Wai'ahukini (The Fishhooks of Wai'ahukini)
- 186-d Christina Nielsen, Jen Anderson and Kevin Hanselka—TxDOT Excavations at the Hardeman Midden Site (41DN612)
- 186-e Irene Martí Gil—Fighting the Antiquities Black Market: Analysis of the Twenty-First-Century Illegal Trade in Antiquities and the Legal Framework to Deter It
- 186-f Willem van Leeuwen, Kyle Hartfield, Sarah LeRoy, Jeremy Weiss and Lauren Meyer—A Cultural Resources Environmental Vulnerability Assessment Tool for National Park Service Intermountain Region Management Units
- 186-g Jared Renaud—Utilizing Site Condition Assessment Data for Resource Management Planning at Organ Pipe Cactus National Monument
- 186-h Beth Padon—Designing Archaeological Mitigation Plans That Offer Greater Public Benefit
- 186-i Stephanie Franklin and Brett Cockrell—Saving 700-Year-Old Cliff Dwellings: Fire Archaeology in the Sonoran Desert
- 186-j Emily Palus—Not Just for Bureaucrats: Digitizing the Antiquities Act Permit Administration Records and Exploring the History Federal Policy for the Investigation of Archaeological Sites and Curation of the Collections
- 186-k Evangelia Tsesmeli and David Eck—Challenges in Protecting Cultural Resources: Policy and Rulemaking from a New Mexico Perspective
- 186-l Elizabeth Sharkey—Walking the Arbitrary Line: Improving our Federal Archaeology Permitting Process
- 186-m Brendan Harris, David Moore and Chad Keller—Benefits and Challenges of Thick Description in Digital Archaeology and Heritage Management

[187] POSTER SESSION ■ THE VETERANS CURATION PROGRAM: A CELEBRATION OF DR. MICHAEL "SONNY" TRIMBLE

Room: Exhibit Hall 4 (ACC)

Time: 8:00 a.m.–10:00 a.m.

Chairs: Jessica Mundt and Sarah Janesko

Participants:

- 187-a Jessica Mundt and Jasmine Heckman—The Veterans Curation Program: Public Archaeology
- 187-b Amy Reid, Jessica Mundt, Maximilian Hall and John Fulbright—Pest Treatment through Partnership
- 187-c Erin Cagney, Kimberly Blanke and Nancy McKenzie—Empowerment through Employment: How Archaeology Is Helping Women Veterans Break Barriers
- 187-d Kevin Bradley, Erin Cagney and Scott Oliver—A Landscape Revealed: Analysis of Surface Finds from Fort Delaware
- 187-e Scott Oliver and Kevin Bradley—That Sinking Feeling: The Effects of Human-Caused Climate Change at Fort Delaware
- 187-f Jacob Petrie, Sarah Janesko, Jasmine Heckman and Jessica Mundt—Filling Gaps: The Legacy of Archaeological Archives
- 187-g David Howe, Chris Rowe and Kelly Brown—Applied Anthropology at the Veterans Curation Program

[188] POSTER SESSION ■ APPLYING THE POWER OF PARTNERSHIPS TO THE SEARCH FOR AMERICA'S MISSING IN ACTION

Room: Exhibit Hall 4 (ACC)

Time: 8:00 a.m.–10:00 a.m.

Chairs: Jesse Stephen and Joshua Toney

Participants:

- 188-a Jesse Stephen and Joshua Toney—The Power of Partners: Accomplishments and Challenges of DPAA's Terrestrial Archaeology Partnership Program in 2019
- 188-b Jarrod Burks and Albert Pecora—The Last Great Escape: Recovery of 1st Lt. Ewart Sconiers, an American WWII Bombardier Imprisoned at the Stalag Luft III POW Camp
- 188-c Alex DeGeorgey, Kevin Dalton and Carly Whelan—Shared Heritage: WWII American Military Loss Sites in Europe
- 188-d Alison Elgart and Heather Walsh-Haney—In Search of MIA from the Greatest Generation: Florida Gulf Coast University Partners with the Defense POW/MIA Accounting Agency (DPAA) to Bring U.S. Servicemen Home
- 188-e D. Ryan Gray and Harald Stadler—Building International Partnerships for Aviation Archaeology: Case Studies from Central Europe
- 188-f Stephen Humphreys, William Griswold and Steve Roskams—Rehabilitation Archaeology in the Context of the DPAA Mission
- 188-g Gregg Jamison, Charles Konsitzke, William Belcher, Brett Hoffman and Ella Axelrod—UW MIA Recovery and Identification Project: A Multidisciplinary Approach to DPAA Partner Recovery Missions
- 188-h Marilyn London and Adam Fracchia—University of Maryland Forensic Aviation Archaeology
- 188-i Kelsey Lowe, Richard Martin, Ian Lilley and Nick Bainton—Preliminary Investigations of American Service-Members in Papua New Guinea
- 188-j John Monaghan, Laura Junker, Ame Garong, Michael Canilao and Caleb Kestle—Ethnography and Archaeology of a WWII Plane Crash in the Philippines: Social Meanings among the Ifugao
- 188-k Nicholas Passalacqua and Katharine Kolpan—Forensic Archaeological Fieldwork as a High-Impact Practice

[189] GENERAL SESSION ■ NEW RESEARCH IN MESOAMERICA

Room: Salon F (H)

Time: 8:00 a.m.–10:45 a.m.

Chair: Andrés Mejía Ramón

Participants:

- 8:00 Jonathan Extract—Mythical Charters: Landscape, Ethnogenesis, and Chichimecs in Late Postclassic Mexican Cartography
- 8:15 Jennifer Faux—Human Representations of Structure: A Theoretical Examination of Half-Conical Figurines from Teotihuacan, Mexico
- 8:30 Andrés Mejía Ramón, Nadia Johnson and Christian John—A Bird's-Eye View of Power: Subsistence, Monumentality and Water Ritual in Ancient Teotihuacan
- 8:45 Arthur Joyce, Sarah Barber, Guy Hepp, Jacklyn Rumberger and Mathew Sponheimer—Isotopic Evidence for Human Dietary Change in the Lower Río Verde Valley of Oaxaca from the Formative to the Postclassic Period
- 9:00 Cuauhtémoc Vidal-Guzmán, Alexis Clark and Jeffrey Blomster—Ceramics for a "New Sunrise": Contextualizing a Mixtec Non-Polychrome Ware
- 9:15 Marc Levine, Alex Badillo, Amanda Regnier and Scott Hammerstedt—Quantifying Monte Albán's Main Plaza: Digital Mapping, Spatial Analysis, and Social Relations
- 9:30 Nobuyuki Ito—Un fragmento de estela relacionada con la fecha Bak'tun 7 en Chalchuapa, El Salvador
- 9:45 Santiago Juarez—Cosmology at Home: Centering Rituals within the Residences of Late Preclassic Noh K'uh, Chiapas, Mexico

- 10:00 Ashuni Romero and Nelda Marengo—From the Coast to the Jungle: Inventory and Record of Archaeological Sites in Puerto Morelos, Quintana Roo, Mexico
10:15 Kaitlin Ahern—An Analysis of Lime Plaster Samples from the Holmul Region
10:30 Philippe Costa, Priscilla Molina Muñoz, Martin Künne, Eric Gelliot and Simon Mercier—The Excavation in the Yegüitas Rock Shelter in Costa Rica, a Clue for a Chronological Link

[190] SYMPOSIUM ■ ARCHAEOLOGY FOR THE PUBLIC AND BY THE PUBLIC: PAPERS IN HONOR OF DICK BOISVERT

Room: 13AB (ACC)

Time: 8:00 a.m.–11:15 a.m.

Chair: Heather Rockwell

Participants:

- 8:00 Heather Rockwell—East Coast to the High Plains: Expanding Public Outreach Opportunities in Archaeology
8:15 Karen Mack—It's in the Pits: New Insights into the Eddington Bend Site, Penobscot River, Maine
8:30 Jennifer Ort—Diners, Drive-Ins, and Caribou Drives: Paleoindian Subsistence and Settlement Patterns in the Northeast: Perspectives from the Bull Brook Site, Ipswich, MA
8:45 David Pollack and A. Gwynn Henderson—Win-Win: Volunteers and the Kentucky Archaeological Survey
9:00 Jessica Boyd (Starks)—Rediscovering the Past: Preservation of the Historical Collections at the Tulsa, OK, Veterans of Foreign Wars Post 577
9:15 Bruce Rusch—Using the SCRAP System as a Platform for the Advancement of Archaeological Knowledge in the State of New Hampshire
9:30 Samuel Levin and Shane McCreary—Advances in Wyoming Cultural Resource Data Access
9:45 Jonathan Lothrop, Michael Beardsley, Susan Winchell-Sweeney, Andrea Lain and Mark Clymer—Powered by the Public: Investigating Paleoindian Archaeology in Central New York
10:00 Yvonne Benney Basque and Heather Rockwell—Once a SCRAPer, Always a SCRAPer: Public Outreach and the Extraordinary Success of the New Hampshire State Conservation and Rescue Archaeology Program
10:15 Genevieve Everett—From Bloody Marys to Bifaces: How One Public Archaeology Program Has Made It All Possible
10:30 Francis Robinson and Scott Dillon—Public Archaeology as Public Data: Sharing Data and Research in a Regulatory Environment
10:45 DHR NH and Mark Doperalski—Surveying New Hampshire's State Reservations: Maximizing the Benefits of Public Archaeology
11:00 Heather Rockwell—Discussant

[191] SYMPOSIUM ■ SCULPTURE OF THE ANCIENT MEXICAN GULF COAST, PART 1

Room: Ballroom G (ACC)

Time: 8:00 a.m.–11:15 a.m.

Chair: Cherra Wyllie

Participants:

- 8:00 Ann Cyphers—Palace Sculpture of the San Lorenzo Olmec
8:15 Hirokazu Kotegawa—Esculturas monumentales como herramientas políticas en la sociedad olmeca: Una perspectiva desde el sitio Estero Rabón

- 8:30 Edgar Octavio Sánchez Torres and Rebecca González Lauck—Nuevas observaciones sobre el trazo y manufactura de algunas esculturas olmecas de La Venta, Tabasco
- 8:45 Henri Bernard and Sara Ladrón de Guevara—Stone Figurines of the Middle Formative in Mesoamerica
- 9:00 Katie McElfresh Buford and Billie Follensbee—Finding the Right Niche: Altar, Throne, Stela, Sarcophagus? Overlap and Ambiguity in Olmec Large Stone Sculpture
- 9:15 Joshua Englehardt and Michael Carrasco—The Tenaxpi Egg: Ecology, Representation, and Conceptual Convergence in Olmec Art
- 9:30 Stephanie Strauss—Epi-Olmec Narrative Art: Sculpture and Script at a Crossroads
- 9:45 Jillian Mollenhauer—Out of Olmec: Continuity and Disjunction in Veracruz Stone Sculpture
- 10:00 Kim Richter—The “Tamtoc Venus”: An Early Huastec Sculpture and Its Connections to Gulf Coast Sculptural Traditions
- 10:15 Alberto Ortiz Brito—The Meanings and Uses of the Past in the Present: A Case Study of the San Martín Pajapan Monument
- 10:30 Julia Guernsey—Discussant
- 10:45 Richard Diehl—Discussant
- 11:00 Questions and Answers

[192] GENERAL SESSION ■ HISTORIC ARCHAEOLOGY WORLDWIDE**Room:** 406 (H)**Time:** 8:00 a.m.–11:15 a.m.**Chair:** Krista Eschbach**Participants:**

- 8:00 David Berikashvili—Cultural Transitions through the Centuries in the South Caucasus (New Archaeological Data from Samshvilde)
- 8:15 Agamemnon Pantel and Chester Walker—Methodological Approaches to Search and Recovery of WWII MIA's
- 8:30 Tori Galloway, Tamara Thomsen, Caitlin Zant and Victoria Kiefer—Scow Schooners around the World: An Archaeological Analysis of Scow Schooners and Their Surrounding Maritime Heritage
- 8:45 Krista Eschbach and John Worth—Ceramics, Categorical Identification, and the Changing Social Structure of the Spanish American Colonies
- 9:00 Akin Ogundiran—Archaeology of Royal Dependents and Palace Economy in the Oyo Empire: A View from Two Residential Spaces in Oyo-Ile and Bara
- 9:15 Jay Silverstein, Robert Littman, Dora Goldsmith, Sean Coughlin and Stacey Bagdi—Uncommon Scents: The Greco-Roman Perfume Industry at Thmuis, Tell Timai, Egypt
- 9:30 June Weber, Effie Athanassopoulos and Amy Neuman—Historic Archaeology of Lincoln, Nebraska: Defining Urban Trade and Industry at the Turn of the Twentieth Century
- 9:45 Alexander Anthony—Less Than Human: The Institutional Origins of the Medical Waste Recovered at the Milwaukee County Poor Farm Cemetery
- 10:00 Douglas Boyd—Buried Bottle Borders: A Nineteenth-Century German Immigrant Tradition in Texas
- 10:15 Maureen Mahoney and Domonique deBeaubien—Hearing the Native Voice through the Colonial Narrative: A Retelling of Seminole History and Ancestry
- 10:30 William Marquardt—Ephemeral Archaeologies: Reconstructing a Single Occupation CCC Camp in Garfield County, Washington

- 10:45 S. R. Davis—A Brief Introduction to the North American Gunflint Database
Project: A New Tool for Historic Period Archaeologists
11:00 Gelenia Trinidad-Rivera—Apprehend the Flawed! Social Disability in the
Newspaper *La Gaceta del Gobierno de Puerto Rico* Advertisements, 1831–
1833

**[193] SYMPOSIUM ■ “IS THERE GOLD IN THAT FIELD?” CRM AND PUBLIC OUTREACH ON
THE FRONT LINES**

(Sponsored by Public Archaeology Interest Group)

Room: 11AB (ACC)

Time: 8:00 a.m.–11:30 a.m.

Chairs: Sara Ayers-Rigsby and Sonya Beach

Participants:

- 8:00 Sonya Beach, R. Doyle Bowman, Thomas Thompson, Thomas Gruber and
Janna Gruber—CRM and Public Outreach: Relationship Goals
8:15 Julie Duggins—Educating Politicians: Outreach and Advocacy behind the Front
Lines
8:30 Ruth Trocolli and Christine Ames—Gold Is in the Eye of the Beholder: Public
Outreach and Education in Washington, DC
8:45 Matthew Palus—Cultural Resource Management and Heritage Struggle in
Metropolitan Washington, DC
9:00 James Pepe—North Woodlawn Cemetery: CRM and the Legacy of Jim Crow
9:15 Jeffrey Moates, Eric Prendergast and Rebecca O’Sullivan—Erased to Re-
Placed: Collaboration in Search of Zion Cemetery, a Segregation-Era African
American Burial Ground in Tampa, Florida
9:30 Kye Miller and Jeremy Loven—Curiosity and Collaboration: Interaction with the
Tribal Public in Northwestern New Mexico
9:45 Thomas Thompson—Discussant
10:00 Falicia Gordon, Linda Derry and Eric Sipes—Uncovering Alabama First
Statehouse: A Successful Partnership at Old Cahawba Archaeological Park in
Dallas County, Alabama
10:15 Heidi Van Etten and Marieka Arksey—Public Outreach: A Child’s-Eye View
10:30 Erika Malo, Courtney Agenten, Jennifer Knutson and Erin Pritchard—School of
Rock Art! Getting CRM into the Classroom
10:45 Sonya Beach—Discussant
11:00 Rebecca Simon—Discussant
11:15 Questions and Answers

[194] GENERAL SESSION ■ ARCHAEOLOGY OF THE ARCHAIC PERIOD

Room: Salon J (H)

Time: 8:00 a.m.–11:30 a.m.

Chair: Joseph Wardle

Participants:

- 8:00 Bob Benfer—Early and Middle Archaic Fishing Villages on the West Coast of
America
8:15 Brennan Bajdek and Sam Willis—Under the Mazama Ash: Results of Data
Recovery Excavations at the Crescent Lake Site (35KL749)
8:30 Joseph Wardle—Variation in Anadromous Fish Migrations and the Scale of
Plant Intensification in the Upper Willamette Valley, Oregon
8:45 Dallin Webb and Michael Ligman—A Diachronic Analysis of Land-Use and
Subsistence Patterns in the Virginia Mountains, Nevada

- 9:00 Simon Sherman and Ryan Parish—Lithic Sourcing at Poverty Point (16WC5)
Using VNIR and FTIR Spectroscopy
- 9:15 Jim Railey—Raw Materials and Time: Lithic Assemblage Patterning in a High-Elevation Area of Western New Mexico
- 9:30 Kevin Miller and Steven Carpenter—Excavation and Innovation at the Llano Terrace Site (41MS78), Mason County, Texas
- 9:45 Christopher Ringstaff—Prehistoric Punch Technology in Texas: Experimentation, Observations, and Analytical Implications
- 10:00 Robert Lassen, Brittany McClain and Timothy Griffith—Excavations at the Crane Dune Site (41CR61), a Prehistoric Habitation and Probable Burial Site in Crane County, Texas
- 10:15 Mindy Bonine, Katherine Seikel and Timothy Griffith—Introduction to the Headwaters Site, New Braunfels, Texas
- 10:30 Sarah Wigley—Hunter-Gatherer Mobility at the Granberg Site (41BX17), Bexar County, Texas
- 10:45 Ken Lawrence, Charles Frederick, Stephen Carpenter, Mark Bateman and Ken Lawrence—Geoarchaeological Investigations at 41MS78, a Stratified Archaic Site on the Llano River in North Central Texas
- 11:00 Adam Parker, Mason Miller, Christopher Ringstaff, Brittany McClain and Timothy Griffith—Preliminary Analysis and Interpretations from Excavations at Site 41SR459, Starr County, Texas, USA
- 11:15 Emily Blackwood—Applying Virtual Reality to Archaeological Analysis: Reconstructing the Ostra Collecting Station.

[195] SYMPOSIUM ■ FAR WEST PALEOINDIAN ARCHAEOLOGY: PAPERS FROM THE NEXT GENERATION

Room: 18D (ACC)

Time: 8:00 a.m.–11:45 a.m.

Chairs: Derek Reaux, Richard Rosencrance and Katelyn McDonough

Participants:

- 8:00 Richard Rosencrance—Diachronic Western Stemmed Tradition Lithic Technology during the Younger Dryas at Connley Cave 4, Oregon
- 8:15 Justin Holcomb, Karl Wegmann and Panagiotis (Takis) Karkanias—Identifying the Younger Dryas in the Northern Great Basin using Soil Micromorphology: A View from the Connley Caves, Oregon
- 8:30 Katelyn McDonough and Jaime Kennedy—Paleoethnobotany of the Connley Caves, Oregon: Investigating Great Basin Paleoindian Plant Food Economies
- 8:45 Derek Reaux—An Application of a Lithic Gravity Model in the Catnip Creek Delta, Guano Valley, Oregon
- 9:00 Jordan Pratt—Hasketts and Crescents: A First Look at the Lithic Tool Analysis from Weed Lake Ditch, Oregon
- 9:15 Sara Sturtz, Geoffrey Smith, Nicole George, Derek Reaux and Richard Rosencrance—Renewed Investigations at Leonard Rockshelter
- 9:30 Sean Carroll and Loren Davis—Preliminary Results of a Geometric Morphometric Analysis of Fluted Points within the Far West
- 9:45 Nicole George—Raw Material Selection among Concave Base Projectile Point Makers in Hawksy Walksy Valley
- 10:00 Loren White—Geoarchaeological Insights from a Late Pleistocene–Terminal Holocene Site on Isla Cedros, Baja California
- 10:15 Christopher Hebda—Navigating Deep Water: Multidisciplinary Archaeology in British Columbia and the Late Pleistocene Peopling of the Americas along the Pacific Coast

- 10:30 David Hunt—Using Landscape Learning to Explore Diachronic Change within the Western Stemmed Tradition
- 10:45 Caitlin Doherty—Paleoindian Raw Material Procurement in the Eastern Great Basin: The Utilization of Obsidian and Fine-Grained Volcanics at Smith Creek Cave and Bonneville Estates Rockshelter
- 11:00 Kenneth Vernon, Kate Magargal, D. Craig Young, David Zeanah and Brian Codding—Explaining Paleoindian Settlement in the Intermountain West: A Marked Point Process Approach
- 11:15 Samuel Burns, Sam Stone and Rafaella B. Lisboa—Overcoming Barriers: Pleistocene Migration and Archaeological Paradigms
- 11:30 Geoffrey Smith—Discussant

[196] SYMPOSIUM ■ POTTERS IN PASTURES NEW: MOBILITY, CONTACT, AND CERAMIC TECHNOLOGICAL CHANGE

Room: Salon K (H)

Time: 8:00 a.m.–12:00 p.m.

Chair: Peter Day

Participants:

- 8:00 Peter Day—Discussant
- 8:15 William Gilstrap—Pottery Technology and Cultural Transfer along Anatolia's Great Caravan Route
- 8:30 Vassilis Kilikoglou, Peter Day, Anno Hein and David Wilson—Early Bronze Age Ayia Irini, Kea: A Maritime Crossroads of Ceramic Traditions?
- 8:45 Peter Day, Richard Jones, Maria Rosaria Manunza, Alessandro Usai and Lucia Vagnetti—Reverberations of the Aegean? Italo-Mycenaean Pottery and Nuragic Sardinia
- 9:00 Sara Levi, Valentina Cannavò, Peter Day, Domenica Gulli and Alessandro Vanzetti—Sardinia Comes to Sicily? Nuragic Pottery at Cannatello
- 9:15 Benoit Proulx, Michalis Gazis and Peter Day—Preservation and Adaptation: Potters and Pottery Traditions at Teichos Dymaion
- 9:30 Che-hsien Tsai, Elina Kardamaki, Christos Boulotis, Anno Hein and Peter Day—"Mycenaean" and Local Pottery Production at Koukonisi, Lemnos
- 9:45 José Carvajal López—All That Glitters Is Not Glaze: The Islamization of Pots in Early Medieval Iberia
- 10:00 Veronica Testolini—Decolonizing Islamic Archaeology in Sicily: Ceramic Innovation and Tradition in Palermo (Ninth–Eleventh Century AD)
- 10:15 Lindsay Bloch and Emily Kracht—Production Origins of Palmetto Ware Pottery in the Bahamas
- 10:30 Jennifer Meanwell, Elizabeth Paris and Roberto López Bravo—Micromobility of Potters in the Jovel Valley, Chiapas
- 10:45 Javier Iñáñez, Juan Guillermo Martín, Michael Glascock, Russell Holland and Helen Thompson—Clay and Glaze: Similar Materials, Different Choices: Chemical and Petrographic Characterization of Pottery from Colonial Panama
- 11:00 Helen Thompson, Peter Day, Jaume Buxeda i Garrigós, Gabriel Cocco and Leticia Campagnolo—Persistent Pottery Traditions: A Petrographic Study of Ceramics Found at Santa Fe la Vieja, Argentina (1573–1660)
- 11:15 Jaume Buxeda i Garrigós and Marisol Madrid i Fernández—The Impact of European Ceramic Technology in the Colonial New World: Relations and Influences during the Atlantic Expansion
- 11:30 Wesley Stoner—Discussant
- 11:45 Peter van Dommelen—Discussant

[197] GENERAL SESSION ■ ARCHITECTURE IN THE AMERICAS**Room:** 19A (ACC)**Time:** 8:00 a.m.–12:00 p.m.**Chair:** Terry Powis**Participants:**

- 8:00 Matija Kolega and Allan Meyers—A Window into Landscape Inequality: Architectural Contrasts at Newfield Plantation, Cat Island, Bahamas
- 8:15 Megan Adams—Imprints of Landscape Inequality at Bourbon Plantation, Cat Island, Bahamas
- 8:30 Andrew Munro and F. Joan Mathien—Bonito Phase Architectural Syntax and Social Change
- 8:45 Jean Pike—The Thingness of Networks: The Architecture of Integration in Classic Period Pueblos the Galisteo Basin
- 9:00 Terry Powis, Gary Owenby and Matthew Tarleton—Middle Preclassic Maya Public and Domestic Architecture at Pacbitun, Belize
- 9:15 Akira Ichikawa—The Open and Restricted Plazas of San Andres in the Zapotitan Valley, El Salvador
- 9:30 Beniamino Volta and Nancy Peniche May—Reconstructing the Political Strategies of Middle Preclassic Elites in the Northwestern Maya Lowlands: The View from Hobonyá
- 9:45 Arianna Campiani and Esteban Miron Marvan—The Functional Variability of Pottery as a Way to Evaluate Architectural Compounds' Typology within a Classic Maya City: The Case of Chinikihá, Chiapas
- 10:00 Sheldon Skaggs, Terry Powis and George Micheletti—Be Thine Own Palace: Courtyard Developments and Transformations at the Ancient Maya Site of Pacbitun, Belize
- 10:15 Rachael Wedemeyer and Kenichiro Tsukamoto—Investigating Bench Architecture and Iconography at El Palmar, Campeche, MX
- 10:30 Rebecca Morris—Palace Plans: A Comparative Study of Spaces at Las Ruinas de Arenal, Belize
- 10:45 Luke Stroth, Mario Borrero and Geoffrey Braswell—Late and Terminal Classic Lapses in Architectural Standards and Practices at Nim li Punit (AD 150–830), a Maya Site in Southern Belize
- 11:00 Augusto Bazán Pérez—Reevaluando la historia ocupacional de Pampa de Llamas-Moxeke, Valle de Casma
- 11:15 Rachel Schloss—A Comparative Study of Adobe Brickwork at Huaca Colorada and Tecapa
- 11:30 John Staller—Incahuasi de Caranqui, the Palace Complex of Atahualpa, the Last Inca Emperor, Imbabura Province, Ecuador
- 11:45 Andy Combey, Laurence Audin, Carlos Benavente Escóbar, Miguel 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

[198] GENERAL SESSION ■ PALEOINDIAN AND PALEOAMERICAN ARCHAEOLOGY**Room:** Salon G (H)**Time:** 8:00 a.m.–12:00 p.m.**Chair:** Teresa Wriston**Participants:**

- 8:00 Robert Rowe—Please Don't Call Them Megafauna
- 8:15 Ian Taylor and Alan Slade—Early Paleoindian Fluted Points in London: Two Collections of North American Stone Tools Revisited in the British Museum

- 8:30 Terry Ozbun—Reanalysis of Windust Phase Artifacts from the Rock Island Overlook Site, 45CH204, Chelan County, Washington
- 8:45 William Jerrems and Amy Dansie—More Bits and Pieces: Twenty Years of Lahontan Basin Paleoindian Research
- 9:00 Michael Grooms and Norm Easton—Geoarchaeology at the Little John Site (KdVo-6), Yukon Territory, Canada
- 9:15 Teresa Wriston and Kenneth Adams—Clovis in Coal Valley? Paleoindian points in the Basin and Range National Monument, Nevada and their relationship to pluvial Lake Coal
- 9:30 Mackenzie Cory and Edward Herrmann—A Phenomenologically Reflective Approach to Understanding Early Paleoindian Landscapes
- 9:45 August Costa—Stewardship of Submerged Prehistoric Cultural Resources and Beach Nourishment at McFaddin Beach (41JF50), Jefferson County, Texas
- 10:00 Rolfe Mandel, Mark Mitchell and Michele Koons—Geoarchaeology of Magic Mountain (5JF223): A Stratified Site on the Front Range of the Southern Rocky Mountains, North-Central Colorado
- 10:15 Timothy Griffith, Charles Frederick and Joel Butler—Geoarchaeology at the Headwaters on the Comal River, New Braunfels, Texas
- 10:30 William Hranicky—A Reexamination of the Thunderbird Paleo-Site in Virginia
- 10:45 Robert Barlow—Hunter-Gatherer Behavioral Response to the Younger Dryas in North Alabama
- 11:00 Cambria Haley and Crystal Dozier—An Assessment and New Survey of Boxed Springs (41UR30)
- 11:15 Dante Bernardo Martínez Vázquez, José Luis Punzo Díaz, Alfonso Ramírez Galicia, Roberto Díaz Sibaja and Juan Julio Morales—Cueva de los Hacheros: A Late Pleistocene Site (12,000 yrs BP) in Western Mexico
- 11:30 Mark Robinson, José Iriarte, Gaspar Morcote Ríos and Javier Aceituno—The Younger Dryas and the Colonization of the Amazon
- 11:45 Nora Franco, George Brook, Lucas Vetrivano, Clara Compagno Zoan and María Victoria Fiel—The Alice 3 Stone Circle (Upper Santa Cruz River Basin, Argentinian Patagonia): Characteristics and Chronology

[199] GENERAL SESSION ■ NEOLITHIC ARCHAEOLOGY

Room: 17A (ACC)

Time: 8:30 a.m.–11:45 a.m.

Chair: Robert Tykot

Participants:

- 8:30 Chao Zhao, Qingchuan Bao and Xiaonong Hu—The Early Neolithic Human Adaptation to the Steppe Environment: Implications of the New Discoveries in Ulanqab Region at the Southeastern Edge of Eurasian Steppe
- 8:45 Hyunsoo Lee—Early-Mid Holocene Subsistence through Archaeobotany: Case Studies in Korea and NE China including Gosanri, Gungokri, and Houtaomuga
- 9:00 Pei-Lin Yu—Neolithic Gardening: Spatial Frames of Reference for the Quiet Revolution
- 9:15 Alisha Adams, Sian Halcrow, Andrew Millard, Hoang Trinh Hiep and Marc Oxenham—The Crossover Conundrum: Exploring the Relationship between Linear Enamel Hypoplasia and Incremental Dentine Isotopes in Prehistoric Vietnam
- 9:30 Alan Simmons and Renee Kolvet—Wood, Grapes, and Meds: Ground Stone Residue Evidence from Neolithic Ais Giorkis, Cyprus
- 9:45 Robert Tykot and Andrea Vianello—Sources and Distribution of Palmarola Obsidian in the Central Mediterranean during the Neolithic

- 10:00 Aikaterini Psoma and Zarko Tankosic—Craft Production and Exchange in Prehistoric Greece: New Results from the Chipped Stone Assemblages of Southern Euboea
- 10:15 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
- 10:30 Ian Kuijt and Arkadiusz Marciniak—How Many People Lived in Early Villages? Reconsidering Neolithic Demography at Çatalhöyük
- 10:45 Danielle Riebe—The Complexities of Settlement Complexes: Reassessing Late Neolithic Settlement Organization on the Great Hungarian Plain
- 11:00 Attila Gyucha, William Parkinson, Richard Yerkes, Danielle Riebe and William Ridge—Investigating the Evolution of Large Prehistoric Settlements: A Case Study from Szeghalom-Kovácsshalom
- 11:15 Annelou van Gijn, Diederik Pomstra, Annemieke Verbaas and Leo Wolterbeek—Life and Death of an Experimental Reconstruction of a Late Neolithic House
- 11:30 Arkadiusz Marciniak—The Origin of Cattle and the Changing Forms of Cattle-Based Agriculture in the Neolithic of the Polish Lowlands

[200] SYMPOSIUM ■ NAVIGATING IMPERIALISM: NEGOTIATED COMMUNITIES AND LANDSCAPES OF THE INKA PROVINCES

Room: 16B (ACC)

Time: 9:00 a.m.–11:15 a.m.

Chair: Lynn Kim

Participants:

- 9:00 Bethany Whitlock—Emplacing Empire: Inka Presence and Power in the Central Utcubamba Valley, Chachapoyas, Peru
- 9:15 Alexander Menaker—An Interloping Inka in the Valley of Volcanoes
- 9:30 Manuel Perales—Macahuisa in Hatun Xauxa: State Infrastructure, Mitmaqkuna, and Sacred Landscape in the Negotiation of the Inca Occupation in Jauja
- 9:45 Jessica Christie—Walled Rock Wak'as on Inka Royal Estates in the Heartland
- 10:00 Adam Birge—Movement, the Sacred, and Appropriations: Inka-Carangas Interactions in Sajama, Bolivia
- 10:15 Peter Eeckhout—Inca Impact on the Site of Pachacamac: A Critical Reassessment of the Archaeological Evidence
- 10:30 Jon Clindaniel—Alternative Khipu Codes: Responses to Inka Imperialism through the Production of Khipu Signs
- 10:45 Lauren Kohut—Centering the Provincial in Inka Provincial Landscapes: A Case Study from the Colca Valley (Arequipa, Peru)
- 11:00 Steven Wernke—Discussant

[201] SYMPOSIUM ■ PROYECTO ARQUEOLÓGICO COCHASQUÍ-MOJANDA: RECENT RESEARCH DEVELOPMENTS AT HIGHLAND ECUADOR'S MONUMENTAL CENTER

Room: 12B (ACC)

Time: 9:00 a.m.–11:30 a.m.

Chairs: Ryan Hechler and David Brown

Participants:

- 9:00 Byron Ortiz, Pedro Fiallos and David Brown—La arqueología política y el nuevo asedio de Cochasquí ¿Quién es el dueño de la arqueología?
- 9:15 Estanislao Pazmiño—Cochasquí: Celebrando el agua de los ancestros
- 9:30 Clementine Martal and William Pratt—Live in the Layers: Complex Earthen Architecture at Cochasquí

- 9:45 Fabiola Meyer Garza and William Pratt—Not in the Litter: An Analysis of a Late Integration Midden Deposit at Cochasquí
- 10:00 Maxwell Ward and Ryan Hechler—A Shiny Clear Rock and a Hard Place: Obsidian Usage in Ritual Contexts in Cochasquí
- 10:15 Andrea Chavez—Chuquimarca and Ryan Hechler—It Takes a Village? Research Developments in the “Pueblo” Area of Cochasquí
- 10:30 Ryan Hechler—Where’s the Lived Reality? Investigating Non-Monumental Spaces at the Monumental Site of Cochasquí, Ecuador
- 10:45 David Brown—Squaring the Circle: Settlement Planning in the Late Prehistoric Northern Ecuadorian Highlands
- 11:00 William Pratt—The Quilotoa Hypothesis: Post-disaster Cultural Change and Resilience among the Cara
- 11:15 Questions and Answers

[202] GENERAL SESSION ■ REMOTE SENSING AND GEOPHYSICS

Room: 19B (ACC)

Time: 9:00 a.m.–11:30 a.m.

Chair: Kisha Supernant

Participants:

- 9:00 Ryan Peterson—Archaeological Site Preservation and the Impact of Noninvasive Archaeological Methods on a Global Scale
- 9:15 Kisha Supernant and William Wadsworth—Sensing Layered Histories: Applications of Multiple Remote Sensing Techniques to Métis Archaeology in Canada
- 9:30 Robert Sattler, Carrin Halffman, Joshua Reuther, Michael Grooms and Robert Bowman—Late Holocene Occupation of the Rampart Canyon, middle Yukon River, Alaska
- 9:45 Emily Mierswa—The Ethos of Less Invasive Archaeological Methods: Case Studies from the Northeastern United States
- 10:00 Ashley Stabenow—Lines in the Sand: Investigation of an Enclosing Feature at Pueblo Colorado, New Mexico
- 10:15 Jorge Garcia-Herreros and Jasmin Moxham—Search for the Cannons “The Twin Sisters”
- 10:30 Edmond Boudreaux, Vincas Steponaitis, Stephen Harris and Tony Boudreaux—Exploring the 1730 Battlefield at the Grand Village of the Natchez Indians
- 10:45 Anthony DeLuca—Mountains, Mountains, Everywhere, nor Any Peak to Praise? Further Exploring the Relationship between Guachimontones and the Landscape in Jalisco, Mexico
- 11:00 Ryan Collins—Applying Ground Penetrating Radar (GPR) to Explore Urban Development in the Maya Area
- 11:15 Whittaker Schroder, Charles Golden, Andrew Scherer, Timothy Murtha and Omar Alcover Firpi—Reconstructing the Lakamtuun Kingdom: Aerial Remote Sensing and Reconnaissance along the Lacantun River, Chiapas, Mexico

[203] GENERAL SESSION ■ OBSIDIAN AND PXRF STUDIES

Room: 15 (ACC)

Time: 9:00 a.m.–11:45 a.m.

Chair: Christine Bergmann

Participants:

- 9:00 Denay Grund—Diachronic Variability in Obsidian Use in Hawsy Walksy Valley, Oregon

- 9:15 Douglas Riethmuller—Cultural Intersections in the Late Woodland Northeast: pXRF Analysis of Ceramic Paste at the Thomas/Luckey Site, New York
- 9:30 William Billeck—pXRF Analysis of Opacifiers in White Glass Drawn Beads from Nineteenth-Century North American Plains Indian Village Sites and Trading Posts
- 9:45 Jeremy Moss and Steven Shackley—Patterns of Obsidian Procurement and Use at Chaco Canyon, New Mexico
- 10:00 Jonathan Schaefer, Suzanne Eckert, Jeffrey Ferguson and Deborah Huntley—Obsidian Use and Regional Interaction in the Lion Mountain Community of West-Central New Mexico
- 10:15 Mikael Fauvelle—Obsidian Exchange and Political Change: Shifting Patterns of Obsidian Use across the Late Classic and Postclassic at Fracción Mujular
- 10:30 Megan Williams, Elizabeth Paris, Roberto López Bravo and Gabriel Lalo Jacinto—Obsidian Production and Exchange at Tenam Puente, Chiapas, Mexico
- 10:45 Lucas Martindale Johnson—X-ray Florescence (ED-XRF) Analysis of Obsidian Artifacts from Caracol, Belize
- 11:00 Christine Bergmann—Exploring the Environmental Context of Early Settlement in the Chincha Valley, Peru
- 11:15 Molly Cannon, Benjamin Johnson, Robert Godard and Barbara Winter—Value Added by the Use of Comparative Analyses for the Lost and Found in Museum Collections
- 11:30 Nigel Kelly, John Patterson, Robert Shannon and Lee Drake—Is It Time for an Open Discussion about Calibrations in Portable XRF Analysis?

[204] GENERAL SESSION ■ ETHNOGRAPHY AND ETHNOARCHAEOLOGY: WORLDWIDE PERSPECTIVES

Room: 18B (ACC)

Time: 9:00 a.m.–11:45 a.m.

Chair: Quintessa Burningham

Participants:

- 9:00 Paris Franklin—Autoethnography as a Component of Archaeological Research Design
- 9:15 Erin Enright Parsick—Evaluating Qasil: Using Alternative Data Sources for Determining National Register Eligibility of CA-SBA-87.
- 9:30 Quintessa Burningham—Northern Ute Adaptations to Forced Relocation: An Analysis of Commodities on the Uintah and Ouray Reservation (1880–1910)
- 9:45 Ruth Musser-Lopez—Tonantzin? Circling 'Round the Rock Art at Petroglyph Corral, Nevada
- 10:00 Timothy Murphy—Contemporary Human Behavior at Rock Art Sites: Learning from Our Interactions
- 10:15 Sandra Lopez Varela—Mexico's Landscapes of Poverty Domination: Contesting Their Pertinence for Economic Growth through Impact Assessments
- 10:30 Pedro Ramon Celis—Archaeology of Respect, Site Meanings, and Land-use Practices in Guiengola, Oaxaca: Foundations for a Collaborative Project
- 10:45 Blanca Maldonado—Ethnoarchaeological Research of Traditional Charcoal Production in Central Michoacán, Mexico
- 11:00 Fabiola Sanchez, Joel Palka and Josuhé Lozada—Women's Hands in the Rock Art of Mensabak Lake, Chiapas, Mexico: An Approach from the Agency Theory
- 11:15 Alice Mullen—Rereading Art, Rewriting History in San Rock Art: Indigenous Ontology versus Academic Interpretation
- 11:30 Erin Riggs—Refugees of the British Empire: Partition Migrant Homes in Delhi after the 1947 Partition

[205] GENERAL SESSION ■ BRONZE AGE ARCHAEOLOGY

Room: 17B (ACC)

Time: 9:00 a.m.–11:45 a.m.

Chair: Lauren Ledin

Participants:

- 9:00 Lauren Ledin and Hongbin Yue—New Perspectives on Age in Early China: A Bioarchaeological Life Course Approach to the Late Shang Capital of Yinxu (ca. 1200–1050 BCE)
- 9:15 Koji Mizoguchi and Junko Uchida—A Lot More Than Burying the Dead: How Certain Mortuary Strategies Were Chosen at the Late Shang Kingly Mortuary Ceremonies
- 9:30 Nicole Little and Brice Vincent—Identification of Bronze Workshops in Angkor Thom, Cambodia
- 9:45 Ryan Bennett—The Patterns of the Drums: An Evaluation of Variation in Heger Type I Drum Motifs during the Period of the Dong Son Culture
- 10:00 Marcella Festa—The Social Side of Death: Mortuary Variability and Social Complexity in the Ili Region (Xinjiang)
- 10:15 Mitchell Allen and William Trousdale—The Bronze Age in Afghan Sistan
- 10:30 James Johnson—Bronze Age Pastoralists and Craft Production in the Southern Urals Region of the Russian Federation, ca. 2100–900 BC
- 10:45 Nathaniel James, Isabell Villasana, Alexia Decaix, Steven Weber and Jade d’Alpoim Guedes—Taphonomy, Labor, and Subsistence at Harappa
- 11:00 Peter Cobb—Sometimes at the Crossroads: Preliminary Results from New Fieldwork on the Southeast Ararat Plain of Armenia
- 11:15 Shannon Martino—Evidence of Local Resource Procurement for Early Ceramics in the Ilgin Region of Turkey
- 11:30 Patricia Wattenmaker—Urban Ideologies and Demographic Revolutions in Ancient Mesopotamia

[206] SYMPOSIUM ■ LIDAR FROM EARTH TO SKY AND BACK IN THE MAYA LOWLANDS, PART 1

Room: Ballroom F (ACC)

Time: 9:15 a.m.–12:00 p.m.

Chair: Manda Adam

Participants:

- 9:15 Juan Carlos Fernandez Diaz and Ramesh Shrestha—Overview of the 2016 NCALM Lidar Surveys over the Orange Walk District of Belize
- 9:30 Sara Eshleman and Timothy Beach—Remote Sensing of the Maya Environment in Northwestern Belize
- 9:45 Jeremy McFarland, Michael McDermott and Marisol Cortes-Rincon—Landscape Ecological Zone Classification Using Airborne Laser Scanning Data in Northwestern Belize
- 10:00 Sheryl Luzzadder-Beach, Timothy Beach, Nicholas Dunning, Samantha Krause and Jedidiah Dale—Using Lidar and Multiproxy Evidence to Assess the Role of Western Hemisphere Wetland Farming in the Early Anthropocene
- 10:15 Jedidiah Dale, Timothy Beach, Sheryl Luzzadder-Beach and Colin Doyle—Integrating Lidar with Hydrographic and Hydraulic Data to Better Understand Long-Term Human Interaction with the Río Bravo Watershed
- 10:30 Carlos Quiroz, Lara Sanchez Morales, Timothy Beach, Samantha Krause and David Lentz—Lidar and the Birds of Paradise North Platform: A Gateway to Understanding the Canal and Field Complexes of the Ancient Maya

- 10:45 Thomas Garrison, Dennis Baldwin, Rafael Cambranes and Anna Bishop—Lab Error, Looting, and Lidar: Ground-Truthing and Regional Chronology at El Zotz, Guatemala
- 11:00 Leila Donn, Timothy Beach and Cody Schank—Lidar-Based Machine-Learning Computer Program to Identify Archaeological and Natural Features in the Maya Lowlands of Belize, Guatemala, and Mexico
- 11:15 Danielle Ruffe and Manda Adam—Ancient Maya Architecture Detection Using Lidar and Machine Learning
- 11:30 Sheryl Luzzadder-Beach—Discussant
- 11:45 Questions and Answers

[207] FORUM ■ INCREASING GLOBAL COLLABORATION BETWEEN THE SAA AND EAA

(Sponsored by SAA President)

Room: 18A (ACC)

Time: 10:00 a.m.–12:00 p.m.

Moderator: Joe Watkins

Participants:

Jeffrey Altschul—Discussant
Manuel Fernandez-Gotz—Discussant
Felipe Criado-Boado—Discussant
Catherine Frieman—Discussant
Alessandro Vanzetti—Discussant

[208] FORUM ■ ANCIENT HISTORY? SHARED EXPERIENCES IN CHEROKEE ARCHAEOLOGY CHALLENGE THE COMMON CONCEPTION OF “COLLABORATION” BETWEEN ARCHAEOLOGY AND NATIVE AMERICAN TRIBAL NATIONS

Room: 12A (ACC)

Time: 10:00 a.m.–12:00 p.m.

Moderator: Stephen Yerka

Participants:

Benjamin Steere—Discussant
Erin Dunsmore—Discussant
Shawn Patch—Discussant

[209] FORUM ■ ARCHAEOLOGY IN IMPERILED COMMUNITIES AND LANDSCAPES OF GUATEMALA: CHALLENGES AND POTENTIAL PATHWAYS FORWARD

Room: 14 (ACC)

Time: 10:00 a.m.–12:00 p.m.

Moderator: Olivia Navarro-Farr

Participants:

Andrew Scherer—Discussant
Maxime Lamoureux St-Hilaire—Discussant
David Freidel—Discussant
Edwin Roman-Ramirez—Discussant
Marcello Canuto—Discussant
Brent Woodfill—Discussant
Anabella Coronado—Discussant
Varinia Matute—Discussant
Barbara Arroyo—Discussant
Patricia McAnany—Discussant
Griselda Perez-Robles—Discussant

[210] SYMPOSIUM ■ COERCION, VIOLENCE, AND INEQUALITY IN ARCHAEOLOGICAL PERSPECTIVE

Room: Ballroom E (ACC)

Time: 10:00 a.m.–12:00 p.m.

Chairs: Thomas Leppard and Sarah Murray

Participants:

- 10:00 Thomas Leppard and Sarah Murray—Coercion, Violence, and Inequality in Archaeological Perspective
- 10:15 Rod Campbell—Violence and Complexity
- 10:30 Edward Swenson—The Aesthetics of Violence and the Creation of Place and Political Subjects in the Ancient Americas
- 10:45 Debra Martin and Ryan Harrod—Inequality at Chaco Canyon (AD 900–1150): Creating Subordinates through Coercion and Fear
- 11:00 Brenna Hassett—I’ll Show You: The Visibility of Violence in Human Sacrifice at the Edge of Early “States”
- 11:15 Sarah Murray—Violence, Destruction, and Commodity Distribution in Early Greece
- 11:30 Robert Stephan—Embodied Inequality: Skeletal Evidence of Colonization in Roman Britain
- 11:45 Eilis Monahan—“Structural Violence”: Warfare, Fortress Architecture, and Social Inequality on Bronze Age Cyprus

[211] GENERAL SESSION ■ RITUAL AND SYMBOLISM IN ARCHAEOLOGY

Room: 18C (ACC)

Time: 10:00 a.m.–12:00 p.m.

Chair: Brooke Creager

Participants:

- 10:00 Brooke Creager—Migration and Ritual Adaptation
- 10:15 Dana Bardolph, Gregory Wilson and Duane Esarey—Religion, Culture Contact, and Mississippian Origins: A View from the Illinois Valley
- 10:30 Gordon Houston—The Houston Solar Marker Matrix
- 10:45 Jera Davis, Stephen Carmody and Jon Russ—Pipes, Plants, and Practitioners: Change and Continuity in Religious Ritual at Moundville
- 11:00 Jeffrey Blomster and Victor Salazar Chávez—The Work of Jaguar Bones and Feline Imagery at Early Horizon Etlatongo, Oaxaca, Mexico
- 11:15 Keith Eppich—Drums in the Deep: Archaeological Context and Contemporary Acoustics of Ceramic Drums Recovered from Late Classic El Perú-Waka’, Guatemala
- 11:30 Lisa Johnson, Felipe Trabanino, Eloi Berube and Eos López Pérez—The Microarchaeology of Ritual at the Classic Maya City of Palenque
- 11:45 Elena Boot—Investigating Evidence for Child Sacrifice in Maya Lowlands

[212] POSTER SESSION ■ HISTORIC ARCHAEOLOGY AROUND THE WORLD

Room: Exhibit Hall 4 (ACC)

Time: 10:30 a.m.–12:30 p.m.

Participants:

- 212-a Amie Green and Kate Trusler—What about a Sponge on a Stick? Insights into Public Perspective on Pompeian Sanitation and Water
- 212-b Katherine Dubois and Amy Michael—Reconstructing Migration to Caesarea Maritima: Bioarchaeological Analyses of Adult and Child Burials Using Strontium Isotopes

- 212-c Virginia Harvey, Michelle LeFebvre, Casper Toftgaard, Konstantina Drosou and Michael Buckley—The Role of Ancient Biomolecules in the Potential Discovery of an Extinct Marine Turtle
- 212-d Riley Morris and Maghan Monnig—Lararia in Pompeii: A Spatial Analysis
- 212-e Chunxue Wang, Dong Wei, Huiqiu Shao and Jiaqi Wang—Preliminary Study on Animal Bone Remains Discovered at Sanjianfang Site in Loulan Ancient City, Xinjiang, China
- 212-f R. Scott Hussey—Dungeons and Digital Heritage Advocacy: Preserving Tetouan's Mazmorras Through a Virtual Online Museum

[213] POSTER SESSION ■ HISTORIC ARCHAEOLOGY IN EASTERN NORTH AMERICA**Room:** Exhibit Hall 4 (ACC)**Time:** 10:30 a.m.–12:30 p.m.**Participants:**

- 213-a Ben Ford and William Chadwick—Preliminary Results from Newport Site (36IN188)
- 213-b Kevin Rolph and Olivia Navarro-Farr—Tools of the Trade: An Ethnohistoric and Archaeological Examination of Tools Used in the Fur Trade in Southern Ohio
- 213-c F. Scott Worman and Elizabeth Sobel—"A rural backwater of poverty and illiteracy": Preliminary Investigations at the Phenix Town Site
- 213-d Jessica Clark and Kirstyn Leque—A Tale of Two Homesteads: A Comparative Look at Forest Meeker Residential Sites
- 213-e Clare Tolmie—Over There Over Here: A WWI Landscape in Northern Illinois
- 213-f Megan Postemski—Improving Their Lot: Frontier Settlement and Landscape Change in Maine
- 213-g Jonathan Scholnick—The Decline of Small Farms in Pennsylvania during the Nineteenth and Twentieth Centuries
- 213-h James Meierhoff, Paula Bryant, Paula Porubcan and Artur Stasiak—Archaeology of the WWII German Prisoner of War Branch Camps of Chicago
- 213-i Kathryn Ting—Container Glass Analysis: Reconstructing African American Lifeways at the Stephen and Harriet Meyers Site in Albany, NY
- 213-j Janee Becker—The Wigwam: Archaeological Investigations and Historical Interpretation of Native American Wild West Show Performer Campsites in Clearfield County, Pennsylvania
- 213-k Jamie Kouba—Finding Traces of the Past by Using Archaeological Excavations and Penetrometer Data
- 213-l Susan Vehik—Origins of Plains Military (Lance) Societies
- 213-m Kerri Klein—Clothing at Fort Brooke: Buckles, Buttons, and Fabric (Oh My!)
- 213-n Mary Elizabeth Ibarola—Placemaking in the Borderland: An Archaeology of African-Descendent People in Colonial Florida
- 213-o Jessica Searles—Early Nineteenth-Century Coffin Construction in North America
- 213-p Mary Maisel—At Fort Brooke Tampa, Florida, Trash Pits Are People Too

[214] POSTER SESSION ■ HISTORIC ARCHAEOLOGY IN WESTERN NORTH AMERICA**Room:** Exhibit Hall 4 (ACC)**Time:** 10:30 a.m.–12:30 p.m.**Participants:**

- 214-a Emma Abell-Selby—Compliance versus Deviance within the U.S. Army (1890–1950)
- 214-b Catherine Carbone—The Forgotten Mine: New Synthesis of the Manila Mine Site, Fort Huachuca, Arizona

- 214-c Erin Brown, Maria Jonsson and Travis Kern—Then and Now: A Photographic Essay of the Civilian Conservation Corps on the Carson National Forest
- 214-d Alison Livesay—Our Hearts Are Always from Here: Research and Collaboration at the Vigil y Montoya Homestead
- 214-e Lee Panich, Tsim Schneider and GeorgeAnn DeAntoni—"By the Aid of His Indians": Native Negotiations of Settler Colonialism in Marin County, California, 1840–1870
- 214-f Emma Paradiso and Scott Ingram—Untold Stories from the American Frontier: A Case Study of Historic Settlement Patterns in the Manitou Experimental Forest, Woodland Park, Colorado
- 214-g Alex Howard—The Historic Context of Eagle Creek through the Lens of Field and Archival Data
- 214-h Heather Seltzer—Life on the Northern New Mexican Frontier: Historic Homesteading in the Rio Grande del Norte National Monument
- 214-i Troy Lovata—Manito Trail Archaeology: The Role of Archaeology in an Interdisciplinary Chicana Studies Project
- 214-j Karin Larkin and Michelle Slaughter—Happy Trails and Speakeasies: The Archaeology of a Tuberculosis Sanatorium
- 214-k Jennifer Laqualia—Through the Looking Glass: Glass Bottle Typology and Analysis on Historic Fort Huachuca
- 214-l Megan Murphy—Identifying Global Trade Connections at Fort Vasquez, a Nineteenth-Century Trading Post
- 214-m Rosemarie Pavel—The Women of the Adobe Castle: An Archaeological Investigation at Bent's Old Fort National Historic Site, La Junta, Colorado

[215] POSTER SESSION ■ NSF REU SITE: EXPLORING GLOBALIZATION THROUGH ARCHAEOLOGY 2019–2020 SESSION, ST. EUSTATIUS, DUTCH CARIBBEAN
Room: Exhibit Hall 4 (ACC)
Time: 10:30 a.m.–12:30 p.m.
Chair: Todd Ahlman

Participants:

- 215-a Do Khym and Todd Ahlman—Water Cisterns as Indispensable Elements for Prosperity of Eighteenth-Century St. Eustatius
- 215-b Katherine Rodriguez and Nicholas Herrmann—Applying Geophysical Prospection to Interpret Historical Burial Practices at Two Cemeteries on St. Eustatius, Dutch Caribbean
- 215-c Mara Fields, Todd Ahlman, Grace Tolan, Jon Russ and Stephen Carmody—Residue Analysis of Clay Tobacco Pipes from an Eighteenth-Century St. Eustatius Plantation
- 215-d 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
- 215-e Taylor Bowden, Todd Ahlman, Ashley McKeown and Nicholas Herrmann—Exploring Free and Enslaved African Lifeways: An Isotopic Study of an Eighteenth-Century Cemetery (SE600) on St. Eustatius, Caribbean Netherlands
- 215-f Adrienne Stainton, Ashley McKeown and Nicholas Herrmann—Analysis of Cultural Retention in an Eighteenth-Century Enslaved African Cemetery in the Dutch Caribbean
- 215-g Olivia Green, Ashley McKeown and Nicholas Herrmann—Comparing Patterns of Skeletal Pathology in Enslaved Africans from an Eighteenth-Century Cemetery on St. Eustatius
- 215-h Jessyka Grell and Nicholas Herrmann—An Analysis of an Unmarked Cemetery Geophysical Methods in Sint Eustatius

- 215-i Reece Black, Nicholas Herrmann and Todd Ahlman—Modeling the Past: Using Structure from Motion (SfM) Photogrammetry to Record the Sugar Works of a Station Plantation
- 215-j Joshua Duncan and Todd Ahlman—European Ceramics in the Caribbean: A Glimpse of Globalization during the Colonial Era
- 215-k Courtney Siegert, Nicholas Herrmann and Todd Ahlman—Geophysical Investigations of Historic Plantation, Military, Institutional, and Cemetery Sites on Sint Eustatius
- 215-l Todd Ahlman, Ashley McKeown, Nicholas Herrmann and Fred van Keulen—The 2019–2020 NSF REU Exploring Globalization through Archaeology Archaeological, Bioarchaeological, and Geophysical Investigations on St. Eustatius, Dutch Caribbean
- 215-m Sadie Friend, Emilie Wiedenmeyer and Ashley McKeown—Evaluating the Applicability of the Coimbra Method on an Archaeological Sample from Sint Eustatius

Saturday Afternoon ■ April 25, 2020

- [216] SYMPOSIUM ■ RECENT RESEARCH IN AFRICAN ARCHAEOLOGY**
(Sponsored by SAA—Society of Africanist Archaeologists)
Room: 18A (ACC)
Time: 1:00 p.m.–2:30 p.m.
Chair: Abigail Stone

Participants:

- 1:00 Abigail Stone—Who Made Mali's Terra Cotta Statuettes? Speculations on Their Creation and Use
- 1:15 Lorraine Hu—Earth, Water, and Fire: Reexamining Cremation Practice in the Pastoral Neolithic of Kenya
- 1:30 Zachary McKeeby—Iron Production and Variation in Machili: Recent Archaeological and Geophysical Survey in Western Zambia
- 1:45 Tom Fitton, Stephanie Wynne-Jones and Abdallah Ali—Marking Time: Mapping Settlement and Urban Transitions on Zanzibar
- 2:00 Elizabeth Adeyemo—Investigating Connections: Ecology and Indigenous Resource Utilization among the People of Agbowa Ikosi
- 2:15 Justin Pargeter and Patrick Schmidt—Simple Surface-Fire Heat Treatment Significantly Improves Silcrete Flake Quality and Flaking Efficiency

- [217] FORUM ■ SAA TASK FORCE ON SHARING PUBLIC OUTCOMES OF CRM: FINDINGS AND PROCESSES TO FACILITATE DATA SHARING BETWEEN RESEARCHERS AND AGENCIES**
(Sponsored by Task Force on Sharing Public Outcomes of CRM)
Room: 16A (ACC)
Time: 1:00 p.m.–3:00 p.m.
Moderator: Joshua Wells

Participants:

- Erik Otárola-Castillo—Discussant
- Jolene Smith—Discussant
- Erick Robinson—Discussant
- Karyn De Dufour—Discussant
- Kelsey Noack Myers—Discussant

[218] FORUM ■ MANAGEMENT AND SECURITY OF DIGITAL DATA FOR SENSITIVE COLLECTIONS

Room: 11AB (ACC)

Time: 1:00 p.m.–3:00 p.m.

Moderators: Stacy Drake and Helen Robbins

Participants:

Sharon Grant—Discussant

Emily Hayflick—Discussant

Madeleine Strait—Discussant

John Kelly—Discussant

[219] FORUM ■ TEACHING AND TRAINING IN GEOARCHAEOLOGY: PEDAGOGICAL METHODS AND CURRICULAR PATHWAYS

(Sponsored by Geoarchaeology Interest Group)

Room: 12A (ACC)

Time: 1:00 p.m.–3:00 p.m.

Moderators: Carlos Cordova, Andrea Freeman and Justin Holcomb

Participants:

Lisa Maher—Discussant

Justin Holcomb—Discussant

Mike Carson—Discussant

Jessi Halligan—Discussant

Andrea Freeman—Discussant

Carlos Cordova—Discussant

Timothy Beach—Discussant

Vance Holliday—Discussant

Rolfe Mandel—Discussant

[220] FORUM ■ “THE OLD THAT’S WORTH SAVING”: HOW CAN WE PRIORITIZE WHEN WE CAN’T SAVE THEM ALL?

Room: 12B (ACC)

Time: 1:00 p.m.–3:00 p.m.

Moderator: Anne Jensen

Participants:

Michael Aiuvalasit—Discussant

Sara Ayers-Rigsby—Discussant

Alice Kelley—Discussant

Jeffrey Moates—Discussant

Carole Nash—Discussant

Benjamin Vining—Discussant

Heather Wholey—Discussant

[221] GENERAL SESSION ■ CULTURAL HERITAGE AND PRESERVATION

Room: Ballroom E (ACC)

Time: 1:00 p.m.–3:00 p.m.

Chair: Peter Siegel

Participants:

1:00 Peter Siegel, Emlen Myers and John Jones—Pipeline to the Past: Documenting Heritage and Prehistoric Cultural Dynamics for the San Miguel-Cuiabá Natural Gas Project in Southeastern Bolivia

- 1:15 Dominic Bush, Jennifer McKinnon, Erin Field, Nathan Richards and Kyra Price—Microbially Influenced Corrosion of Underwater Cultural Heritage: Importance, Challenges, and Future Directions
- 1:30 Kate Clark—"Playing with the Past": Using Creative Activities to Teach Skills in Heritage Practice
- 1:45 Gertjan Plets—The Hidden Impact of Everyday Routines: How Do "Mundane" Digital Infrastructures Shape Archaeological Subjectivities and National Identities
- 2:00 Sarah Hinkelman, Benjamin Cross and Robert Cook—Iron Men and Earthen Mounds: Effects of Monumentality on Historic Narratives
- 2:15 Michael Newland and Alex DeGeorgey—Human Remains Recovery in Wildfire Disaster Areas
- 2:30 Kristoffer Stein—The Past's Identity: A Study of Heritage Construction by Communities in Tucson through Archaeology
- 2:45 Esteban Miron Marvan—History and Archaeological Heritage and the Modern Maya

[222] GENERAL SESSION ■ PREHISTORY OF THE SOUTHEASTERN UNITED STATES**Room:** 17B (ACC)**Time:** 1:00 p.m.–3:15 p.m.**Chair:** Nancy White**Participants:**

- 1:00 Nancy White—Middle Woodland and Mississippian People and Practices at Richardson's Hammock Burial Mound (8Gu10), Northwest Florida
- 1:15 Anna Graham and Megan Kassabaum—Exploring Non-Artifactual Evidence for Mound Construction and Use: A Case Study from Southwest Mississippi (AD 1200–1350)
- 1:30 Brian Ostahowski, Jayur Mehta and Theodore Marks—Investigations at the Adams Bay Site (16PL8), a Plaquemines Mound Complex Located in Plaquemines Parish, Louisiana
- 1:45 Kyle Freund, J. M. Adovasio, Allen Quinn and Frank J. Vento—Phase I and II Excavations at the Sexton Site (8IR01822), Indian River County, Florida
- 2:00 Matthew LoBiondo—Etowah Beginnings: New Research on the Multiethnic Origins of Etowah
- 2:15 Erin Nelson, Jessica Kowalski and Howard Cyr—Landscape Change at D'Olive Creek, a Pensacola Culture Site in Lower Alabama
- 2:30 John Samuelsen—An Isotopic Assessment of Late-Prehistoric Interregional Warfare in the South-Central United States
- 2:45 Jon Carroll—Exploring the Natchez Paradox through Computer Simulation
- 3:00 Patrick Livingood, Amanda Regnier and Scott Hammerstedt—The Great Raft of the Red River: Testing Impacts on Regional Interaction Using Cost-Distance Modeling

[223] SYMPOSIUM ■ NEW LIGHT ON DZIBANCHÉ AND ON THE RISE OF THE SNAKE KINGDOM'S HEGEMONY IN THE MAYA LOWLANDS**Room:** 406 (H)**Time:** 1:00 p.m.–3:30 p.m.**Chairs:** Francisco Estrada-Belli and Sandra Balanzario Granados**Participants:**

- 1:00 Sandra Balanzario Granados—Datos arqueológicos del asentamiento de Dzibanché, Quintana Roo
- 1:15 Francisco Estrada-Belli and Sandra Balanzario Granados—Dzibanché: The Early Capital of the Kaanul (Snake) Kingdom Seen through Lidar

- 1:30 Erik Velásquez García—Los gobernantes de la dinastía Kaanu'l en Dzibanché, Quintana Roo, México
- 1:45 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
- 2:00 Dmitri Beliaev and Simon Martin—"Serpent Emperor": The Reign of K'ahk' Ti' Ch'ich' and the Origins of Dzibanché Hegemony
- 2:15 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
- 2:30 David Stuart, Tomás Barrientos Q. and Marcello Canuto—The Kaanul Dynasty and the Early History of the Northwest Petén
- 2:45 David Freidel, Olivia Navarro-Farr and Mary Kate Kelly—El Perú-Waka', a Kaanul Vassal Kingdom in the Era of Dzibanché
- 3:00 Marc Zender—The Snake Dynasty: What We Know and What We Don't
- 3:15 Simon Martin—Discussant

[224] SYMPOSIUM ■ NAVIGATING IMPERIALISM: NEGOTIATED COMMUNITIES AND LANDSCAPES OF THE INKA PROVINCES, PART 2

Room: 16B (ACC)

Time: 1:00 p.m.–3:30 p.m.

Chair: Adam Birge

Participants:

- 1:00 Valda Black, Marco Naveros Guizado, Beatriz Lizarraga Rojas and Danielle Kurin—Bioarchaeology of Imperial Relations: Chanka and Inka Interactions at Sondor
- 1:15 Giancarlo Marcone, Camila Capriata and Nina Castillo—The Tale of Two Valleys: The Inka Restructuration of Territories in the Peruvian Central Coast as Viewed from the Lurin and Cañete Valleys
- 1:30 Lynn Kim—The Negotiated Yunga-Inka Landscape of the Camata-Carijana Valley
- 1:45 Ryan Smith—Now You See 'Em, Now You Don't: A Comparative Approach to Understanding the Realities of Inka Imperialism in the Eastern Andes of Southern Peru
- 2:00 Lucas Kellett—A Preliminary Look at Inka Imperialism on the Eastern Frontier of Paucartambo, Peru
- 2:15 Alejandro Chu—Negotiated Economies: Staple and Wealth Storage Facilities at Incahuasi, Cañete
- 2:30 Abel Traslaviña—Negotiating Land and Water: Exploring the Inka Strategies of Natural Resource Management in the Lurin Valley, Central Coast of Peru
- 2:45 Beau Murphy, Frances Hayashida, César Parcero-Oubiña, Mariela Piño and Andres Troncoso—Imperial, Indigenous, or Something In-Between: Investigating the Layout of an Inka Administrative Center in Northern Chile
- 3:00 Andrea González Lombardi—Piura la Vieja: A Tallan Center under Successive Imperial Regimes (1000 aC–1578 dC)
- 3:15 Sonia Alconini—Discussant

[225] SYMPOSIUM ■ NEW PERSPECTIVES ON RITUAL VIOLENCE AND RELATED HUMAN BODY TREATMENTS IN ANCIENT MESOAMERICA

Room: Salon J (H)

Time: 1:00 p.m.–3:30 p.m.

Chair: Vera Tiesler

Participants:

- 1:00 Guilhem Olivier and Vera Tiesler—Open Chests and Broken Hearts: Ritual Sequences and Meanings of Human Heart Sacrifice in Mesoamerica
- 1:15 Jeremy Coltman, Karl Taube and Travis Stanton—Blood on the Stones: Heart Sacrifice and Sacrificial Stone Altars in the Northern Maya Lowlands
- 1:30 Emille Carreón Blaine—Mesoamerican Ballgame, Human Sacrifice, Ritual Decapitation, and Trophy Taking: Variations in Ways of Displaying
- 1:45 Vera Tiesler and Virginia Miller—Heads, Skulls, and Sacred Racks: New Studies on Ritual Body Processing in Chichen Itza and Beyond
- 2:00 Nelda Mareón and Mónica Rodríguez—Mortuary Bundles, Decapitations, and Head Cosmograms: A Postclassic Period Funerary Assemblage from Vista Alegre, Quintana Roo, Mexico
- 2:15 Judith Ruiz, Isabel Casar and Vera Tiesler—Human Sacrifice and Body Processing in Eastern Mesoamerica Past the Maya Collapse: New Evidence from Toniná, Lagartero, and Champotón
- 2:30 Elizabeth Baquedano—Decapitation and the Vulnerable Nature of Joints among the Aztecs
- 2:45 Susan Milbrath—Take My Heart, Take My Head: Death among Gods in the Codex Borgia
- 3:00 Questions and Answers
- 3:15 Rubén Mendoza—Discussant

[226] SYMPOSIUM ■ TEACHING THE ANTHROPOCENE**Room:** 19B (ACC)**Time:** 1:00 p.m.–3:30 p.m.**Chair:** Julie Field**Participants:**

- 1:00 Lisa Nagaoka—The Anthropocene as a Meme
- 1:15 Sean Bergin and Michael Barton—Teaching Human Impacts on the Environment Using an Archaeological Perspective
- 1:30 Seth Quintus—Deconstructing Ecological Narratives and Reconstructing the Relevance of Archaeology by Centering Ecological Inheritance in Education
- 1:45 Lynn Fisher—Teaching the Climate Crisis in a General Education Course: What Can Archaeology Contribute?
- 2:00 Joy McCorrison, Julie Field and Henry Gruffy—Teaching World Prehistory and the Anthropocene: Some Notes from Our Class [S]pace
- 2:15 Julie Field and Joy McCorrison—Teachable Moments: Assignments and Assessment in the Anthropocene
- 2:30 Kimberly Wooten—The Biggest Anthropocene Site in the World: Using the Archaeology of Plastics to Engage in Public Education and Activism
- 2:45 Karen Anne Pyburn—LARPing Archaeological Research Ethics
- 3:00 Kenneth Young—Discussant
- 3:15 Questions and Answers

[227] SYMPOSIUM ■ SCULPTURE OF THE ANCIENT MEXICAN GULF COAST, PART 2**Room:** Ballroom G (ACC)**Time:** 1:00 p.m.–3:30 p.m.**Chair:** Kim Richter**Participants:**

- 1:00 Yamile Lira-Lopez and Virginia Arieta Baizabal—La historia reciente en el estudio de las esculturas de la Costa del Golfo en el centro y sur de Veracruz: Dos casos de análisis

- 1:15 Lourdes Budar, Sara Ladrón de Guevara and Mauricio Cuevas—El pluralismo cultural de Los Tuxtlas a través de sus conjuntos escultóricos
- 1:30 Cherra Wyllie—Cerro de las Mesas Monument 2
- 1:45 Rex Koontz—Classic Veracruz Sculptures and Bodies in Fragments
- 2:00 Marcie Venter and Lacy Risner—A Stylistic Comparison of a Cached Ballgame Yoke from Matacanela, Veracruz
- 2:15 Maria Reyes Parroquin—Large Symbols in Small Places: Depictions of El Tajín's South Ball Court in Non-Monumental Sculpture of the Gulf Coast
- 2:30 Arturo Pascual Soto—El Tajín en tiempos de 13 Conejo: Expresiones de un nuevo estatuto simbólico (ca. 800–1100 dC)
- 2:45 Yuko Shiratori and Ángel González López—The Female Terracotta Sculpture at the North Carolina Museum of Art: Pastiche or Fake?
- 3:00 Barbara Stark—Discussant
- 3:15 Questions and Answers

[228] GENERAL SESSION ■ PERSPECTIVES ON EDUCATION, PEDAGOGY, AND ACCESSIBILITY

Room: 14 (ACC)

Time: 1:00 p.m.–3:30 p.m.

Chair: Katherine Patton

Participants:

- 1:00 Andrea Lopez—Where Are We Five Years Later? A Reexamination of Gender Disparities in Publication Trends in Archaeological Journals
- 1:15 Brian Bates—Improving STEM Competencies via Archaeology Research in the Staunton River Valley: An Introduction
- 1:30 Katherine Patton, Dena Doroszenko and Richard Gerrard—Off-Campus Archaeology: Teaching about the Past through Community Partnerships
- 1:45 April Watson and Alanna Lecher—Archaeology as the CURE (Course-based Undergraduate Research Experience)
- 2:00 Joshua Lynch—Teaching Archaeology In Situ: Culturally Responsive Education and Outreach on Saint Paul Island, Alaska
- 2:15 Barbara Klessig—Integrating Archaeological Textiles into Mainstream Archaeology/Anthropology Curriculum
- 2:30 Allyson Blanck—A Service Dog in the Field: Accommodating Disabled Archaeologists and Nontraditional Medical Equipment
- 2:45 Jesse Harvkey—The Unseen Archaeology of Disability and Impairment
- 3:00 Nattha Chuenwattana—Doing Paleoethnobotany in Thailand: Perception of the Thai Archaeologists and the General Public
- 3:15 Gertrude Kilgore and Claire Novotny—Coloring Outside the Lines: Engaging Diverse Audiences through Community-Based Archaeological Outreach in Belize

[229] GENERAL SESSION ■ SOUTHWESTERN ARCHAEOLOGY: ANCESTRAL PUEBLO, MOGOLLON, AND HOHOKAM

Room: Salon F (H)

Time: 1:00 p.m.–3:45 p.m.

Chair: Paul Reed

Participants:

- 1:00 Darcy Bird, Kyle Bocinsky and Tim Kohler—A Comparative Approach to Paleodemographic Proxies: A Case Study in the Southwest
- 1:15 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

- 1:30 Jason Sherman, Samantha Bomkamp and Hannah Blija—Preliminary Results of the Sierra Blanca Archaeological Survey, New Mexico
- 1:45 Paul Reed—Expanding our Approaches to American Archaeology: An Example from the Greater Chaco Landscape, New Mexico
- 2:00 Richard Ahlstrom—Introducing a Database of Tree-Ring Dated Puebloan Pit Structures
- 2:15 Isabella Gaffney, Helen Grant, Logan Kistler, Jane Thomas-Oates and Oliver Craig—Can Isotope Ratio Mass Spectrometry Be Used to Demonstrate Drought Stress in Archaeological Maize?
- 2:30 Ryan Arp and Steve Swanson—An Ancestral Piro Trail to Zuni Salt Lake
- 2:45 Marybeth Harte and William Bryce—A Fresh Look at the Prescott Archaeological Tradition
- 3:00 Jill Neitzel—Entangled Stories of the Magician's Burial
- 3:15 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
- 3:30 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

[230] SYMPOSIUM ■ LIDAR FROM EARTH TO SKY AND BACK IN THE MAYA LOWLANDS, PART 2

Room: Ballroom F (ACC)

Time: 1:00 p.m.–4:00 p.m.

Chair: Marisol Cortes-Rincon

Participants:

- 1:00 Colin Doyle, Timothy Beach and Sheryl Luzzadder-Beach—Lidar and Multiproxy Evidence for Intensive Maya Wetland Agriculture along the Río Bravo
- 1:15 Julie Hoggarth, Claire Ebert, Leszek Pawlowicz, John Walden and Jaime Awe—Energetic Investment in Agricultural and Water Management Landesque Capital in the Belize River Valley
- 1:30 Joshua Kwoka and Thomas Guderjan—Lidar and the *Longue Durée* in Northwestern Belize
- 1:45 Thomas Guderjan, Joshua Kwoka and Colleen Hanratty—Lidar Reveals Stone Boundary Markers Surrounding Ancient Maya Houselots and Neighborhoods in Belize
- 2:00 Marisol Cortes-Rincon, Cady Rutherford, Jeremy McFarland, Michael McDermott and Spencer Mitchell—Lidar: Guided Archaeological Surveys in the Hinterlands of Northwestern Belize
- 2:15 Chance Coughenour, Stanley Walling, Shawna Veach and Bryan Allen—Lidar and Ancient Maya Commoners: Landscape, Settlement, and Ceremonialism on a Regional Scale
- 2:30 Byron Smith, Stanton Morse, Marisol Cortes-Rincon, Timothy Beach and Sheryl Luzzadder-Beach—Exploring Soil and Nutrient Distribution at the Hinterland site of Yax Ch'am in Northwestern Belize
- 2:45 Stanton Morse, Byron Smith, Marisol Cortes-Rincon, Jeremy McFarland and Michael McDermott—A Remote Sensing Integration of Hinterland Landscapes: Results of Mapping the Dos Hombres Western Peripheral Zone
- 3:00 William Ringle, Tomás Gallareta Negrón, Rossana May Ciau and Ken Seligson—The Highs and Lows of Working with Puuc Lidar Data
- 3:15 Christian Sheumaker and Laura Levi—Scouting the Neighborhood: Identifying Architectural Variation through Lidar at Wari Camp, Belize

3:30 Thomas Guderjan—Discussant
3:45 Questions and Answers

**[231] GENERAL SESSION ■ CULTURAL RESOURCES AND HERITAGE MANAGEMENT:
RESEARCH FROM AROUND THE WORLD**
Room: 18C (ACC)
Time: 1:00 p.m.–4:00 p.m.
Chair: Amanda Grace Santos

Participants:

1:00 Amanda Grace Santos—Cultural Heritage and Rural Archaeology in the Alentejo, Portugal: A Case Study
1:15 Christopher Ball—Collaboration in Collections-Based Archaeology
1:30 Hendrik Van Gijsegem—The Archaeology and History of United Canada's First Parliament in Montreal (1844–1849)
1:45 Jorge Rios Allier—Current Perspectives on the Mexican Archaeological Heritage Management: Some Considerations of the Present Models
2:00 Hannah Gibbs—Changes in Interaction with the Local Environment: Historical, National, and International Influence in Belize
2:15 Tane Casserley and David Alberg—America's Forgotten WWII Battlefield
2:30 Kevin Nolan—Archaeology and the Information Age: Entropy, Noise, Channel Capacity, and Information Potential in Section 106 Archaeological Significance Assessments
2:45 Audrey Lindsay—3D Modeling of Rock Art Sites: Applications for Federal Management Agencies
3:00 Alan Hawkins and Lara Noldner—Emergency Assessment and Salvage at 13PM7, a Mill Creek Village Site
3:15 Amy Gillaspie and Gene Wheaton—Denver's Early History: Uncovering Colorado History at the Wootton Site
3:30 Katharine Napora, Victor Thompson, Robert Speakman, Alexander Cherkinsky and Robert Horan—Ancient Trees and Modern Seas: Toward Operationalizing Paleoenvironmental and Archaeological Data from the U.S. Southeast to Improve Twenty-First-Century Resource Management and Climate Change Policy
3:45 Alexander Brown—"Party Theory" and the CRM Dataset

[232] GENERAL SESSION ■ NEW RESEARCH IN LITHIC ANALYSIS
Room: Salon G (H)
Time: 1:00 p.m.–4:00 p.m.
Chair: Leticia Correa

Participants:

1:00 Jeanne Binning—Bipolar Reduction Revisited
1:15 John Kelly and Daniel Forrest—Between the Shores and the Hills: Precontact Boundaries and Behavior along the Housatonic River in Southwestern Connecticut
1:30 Katherine Sterner—Formal Divergence and Functional Concordance: Use-Wear on Late Archaic Cache Bifaces from the Great Lakes
1:45 John Flood, Edward Herrmann, Scott Hipskind and Jeremy Wilson—Household-Level Stone Tool Economies among Illinois Valley Mississippians: A Case Study from the Lawrenz Gun Club Site
2:00 Veronica Mraz, Mike Fisch, Metin Eren, Owen Lovejoy and Briggs Buchanan—Thermal Pretreatment of Stone Increases Toolmaking Skill

- 2:15 KC Jones, Ashley Smallwood, Thomas Jennings and Jerald Ledbetter—Raw Material Procurement Patterns as Proxy for Evaluating Hunter-Gatherer Mobility in the Paleoindian-to-Early Archaic Transition in Georgia
- 2:30 Kelsey Sullivan, Kenichiro Tsukamoto and Jaime Awe—Specialization in the Hinterland: Lithic Production and the Urban Landscape at the Took' Witz Group, El Palmar, Campeche, Mexico, and across the Maya Lowlands
- 2:45 Phyllis Johnson and Markus Eberl—Using Microdebitage to Identify a Potential Non-elite Obsidian Workshop at the Late Classic Maya site of Tamarindito
- 3:00 Lucas Vetrivano—Blade Production in Southern Patagonia, Argentina: A Comparison between Cases from the Chico and Santa Cruz River Basins
- 3:15 Letícia Correa and Astolfo Araujo—Lithic Variability in an Ecotone Area: The Case of São Paulo State
- 3:30 Elizabeth Hart—Changes in Ancient Egyptian Flaked-Stone Sickle Production, Fifth–First Millennium BCE
- 3:45 Veronica Waweru, Christine Ogola and Job Kibii—The Acheulean to Middle Stone Age Transition at the High-Elevation Yiapan Site in Mau Narok, Kenya: A Preliminary Report

[233] GENERAL SESSION ■ SUBSISTENCE AND FOODWAYS IN THE AMERICAS

Room: 18D (ACC)

Time: 1:00 p.m.–4:15 p.m.

Chair: Andrew Somerville

Participants:

- 1:00 Cynthia Hannold—Casting a Wide Net: Experimental Research with Columbia Plateau Net Sinkers
- 1:15 Nichole Fournier, Erin Thornton, Shannon Tushingham, Cara Monroe and Alan Leventhal—Childhood Diet and Life History Patterns of Late Holocene Populations in the San Francisco Bay Area
- 1:30 Kathryn Frederick and Susan Kooiman—Pits and Pots: The Agency of Women during the Terminal Late Woodland Period of the Upper Great Lakes
- 1:45 Autumn Painter, Jeffrey Painter, Jodie O'Gorman and Terrance Martin—Surviving or Thriving? Reassessing Warfare Related Food Insecurity at Morton Village
- 2:00 Mary Simon, Kristin Hedman and Mathew Fort—Possible Sources for ¹⁴C Enrichment in Archaic and Woodland Populations of the Midwestern United States
- 2:15 Brandy Norton—Snakes or Snacks? Prehistoric Diet and Possible Snake Consumption in the Lake Okechobee Basin
- 2:30 Andrew Somerville, Isabel Casar, Daniel Dalmas and Pedro Morales—Investigating the Pleistocene–Holocene Transition in the Tehuacan Valley of Mexico: New Dates and Isotopic Data
- 2:45 Jacob Canterbury and Rissa Trachman—Not by Maize Alone: A Meta-Analysis of Ancient Maya Diets Using a Stable Isotope Mixing Model
- 3:00 Erin Ray, Paige Lynch, Emily Moes and Keith Prufer—Changes in Weaning Age from Hunter-Gatherers to Agriculturalists: A Stable Isotope Study in Southern Belize
- 3:15 Janine Billadello—Lipids Analysis on Precolumbian Ceramics from the Copan Valley, Honduras
- 3:30 Monica Fenton and David Chicoine—The 2019 Malacological Assemblage from Cerro San Isidro: Preliminary Insights into Ancient Foodways in the Moro Region of the Middle Nepeña Valley, Peru
- 3:45 Sarah Noe, Randy Haas and Mark Aldenderfer—From Hunting to Herding: A Preliminary Investigation of Camelid Domestication in the Lake Titicaca Basin

4:00 Pablo Bianchi—About Clay and Food: Assessing Local Manufacture and Use of Pottery during the Late Holocene in the Middle Chico River Basin (Patagonia, Argentina)

[234] GENERAL SESSION ■ ARCHAEOLOGY OF THE IRON AGE

Room: 17A (ACC)

Time: 1:00 p.m.–4:15 p.m.

Chair: Kara Larson

Participants:

- 1:00 Daniel Hansen—Rethinking “Ethnicity,” Rethinking “Archaeology”: Overcoming Epistemic Obstacles to the Study of Social Identity in the Past
- 1:15 Hilary Becker, Julia Sullivan and Crae Wilkins—Pricing the Painted Walls: Reconstructing the Cost of Roman Pigments in Use
- 1:30 Eric Harkleroad—Scales of violence in Wessex
- 1:45 Catherine Frieman and James Lewis—Identity and Inheritance: Being Cornish during the Roman Occupation of Britain
- 2:00 Kara Larson—Meat on the Hoof: A Zooarchaeological Isotopic Investigation into Administrative and Cultic Herd Management at Khirbet Summeily
- 2:15 Jane Skinner and Ann Killebrew—A Phoenician Iron Smithy at Tel Akko, Israel
- 2:30 Fanny Gavériaux, Laura Motta and Laura Sadori—Urbanization, Intensification, and Stable Isotope Analysis: Discriminating Agricultural Practices and Climatic Instability in Central Italy during the Early First Millennium BCE
- 2:45 Keenan Phillips—Landscape Domination and Social Stratification at Vulci
- 3:00 Ryan Szymanski—Population History and Economic Change through the Iron Age in Western Kenya: Paleoenvironmental and Archaeological Evidence
- 3:15 Thomas Huffman—Archaeological Research in the Mapungubwe Cultural Landscape
- 3:30 Ian Miller, Thomas Fenn and Glenys McGowan—Ancient Economics in West Africa: A Study of Copper Production and Trade at Marandet, Niger
- 3:45 Amanda Gaggioli—Assemblages and Socio-Natural Forces of Infrastructure: The Case of Reservoirs in the Iron Age (ca. 1200–300 BCE) of South India
- 4:00 Scott Lyons—Reconstructing Ironworking on the Fifth- and Sixth-Century Osaka Plain

[235] GENERAL SESSION ■ NEW RESEARCH IN PALEOETHNOBOTANY

Room: 18B (ACC)

Time: 1:00 p.m.–4:15 p.m.

Chair: Lindi Masur

Participants:

- 1:00 Aleese Barron and Tim Denham—The Use of MicroCT Imaging for Archaeobotanical Investigations
- 1:15 Angelina Perrotti, John Williams, James Russell, Stephen Jackson and Christopher Kiahtipes—First Americans, Megaherbivores, and Climate: Dung Fungal Spore Data from 8 Eastern U.S. Sites
- 1:30 Royce Johnson—Use of Camas in Southern Idaho in Prehistory
- 1:45 Lindi Masur—Maize Agriculture, Landscape Construction, and Identity in Southwestern Ontario, AD 1300
- 2:00 Rebecca Albert and Susan Kooiman—Exploring Potential Contamination of Domesticated Microbotanical Remains in Carbonized Food Residues
- 2:15 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

- 2:30 Michelle Turner, Karen Adams and Jean Berkebile—Domesticated Amaranth (*Amaranthus*) at the Aztec North Great House, New Mexico
- 2:45 Carol Macaulay—Interpreting Food Preparation Activities within a Central Texas Rockshelter during the Early Archaic Period
- 3:00 Lisbeth Louderback, Kaley Joyce, Stefania Wilks, Lauren Lewis and Nicole Herzog—Identification of Ethnobotanical Genera and Families based on Starch Granule Morphometrics
- 3:15 Grace Ward—People and Plants at Jacketown: A Case Study of Poverty Point-Era Landscape Management
- 3:30 Victor Emmanuel Salazar Chávez and Jeffrey Blomster—Quotidian and Ritual Use of Maize at Early Formative Etlatongo, Oaxaca, Mexico
- 3:45 Zuzana Chovanec—From Poppies in the Field to Slumbering Dreams: The Ancient History of the Opium Poppy in Central Europe
- 4:00 Junko Habu, Yumiko Ito, Anna Nielsen and Sandra Oseguera Sotomayor—Contributions of Mountain Food Resources to Jomon Subsistence and Landscape Practices

[236] GENERAL SESSION ■ LITHIC AND MATERIALS ANALYSIS IN WESTERN NORTH AMERICA

Room: 19A (ACC)

Time: 1:00 p.m.–4:15 p.m.

Chair: L. Brock James

Participants:

- 1:00 Michael O'Brien, Mark Collard and Briggs Buchanan—Geometric Morphometric Analyses Support Incorporating the Goshen Point Type into Plainview
- 1:15 Andrea Kruse—Tool Analysis of the Spring Creek Site (25FT31), an Early Archaic Site on the Great Plains
- 1:30 John Rapes, Jack Hofman, Lawrence Todd, Daniel Dalmas and Barbara Crable—Selective Use of Local Silicified Stone in the Absaroka Mountains, Washakie Wilderness, Northwest Wyoming
- 1:45 Daniel Stueber and Richard Rosencrance—An Updated View from Redfish Overhang: Western Stemmed Technology and Chronology in Custer, County Idaho
- 2:00 Jon Fox—Characterizing Clovis Lithic Technological Organization from Upper Dugout Wash and Other Sites in the Greater Bears Ears Landscape
- 2:15 Steven Rospopo and Linda Wheelbarger—Lithic Analysis from the Point Pueblo Chacoan Great House, Northwestern New Mexico
- 2:30 Joseph McConnell—Evaluating “Folsom” Points in the Blackwater Draw Museum’s Calvin Smith Collection
- 2:45 L. Brock James, Kaley Joyce, Kate Magargal and Brian Coddling—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.
- 3:00 Ethan Kumm, John Dudgeon and Amy Commendador—Obsidian Utilization in the Snake River Plain, Southern Idaho: The Dean Site and Its Importance for Understanding Lithic Procurement Strategies in the Northern Great Basin
- 3:15 Thomas Thompson and Jennifer Rovanner—Preliminary Results of the Energy Dispersive X-ray Fluorescence (EDXRF) ORA LLC Laboratory Project #190522: A Comparative Elemental Analysis of Volcanic Lithic Materials within the Tricorner Region of California and Nevada
- 3:30 Ryan Brady, Brad Comeau, Loukas Barton and Nick Hanten—Toolstone Acquisition in the Interior of California’s South-Central Coast: Raw Material Extraction in the Mid- to Late Holocene

- 3:45 Edward Jolie—Textile Impressions in California Archaeology: Analytical Considerations and Research Potential
- 4:00 Nicole Kulaga—Interpreting Settlement and Mobility Patterns of Terminal Pleistocene and Early Holocene Archaeological Sites on Santa Rosa Island, California

[237] SYMPOSIUM ■ KEEPING IT REAL: PAPERS ON EVIDENCE-BASED ARCHAEOLOGY TO HONOR HECTOR NEFF

Room: Salon K (H)
Time: 1:00 p.m.–4:45 p.m.
Chair: Sachiko Sakai

Participants:

- 1:00 Virginie Renson—Applying Lead and Strontium Isotopes in Pottery Provenance
- 1:15 John Dudgeon—The Empirical Standard: Creating Archaeological Explanations That Are Both Data-Driven and Testable
- 1:30 Michael Glascock and Rodrigo Loyola—Once Upon a Time: Obsidian Circulation during the Early Peopling of the Atacama Desert
- 1:45 Sachiko Sakai—Settlement Patterns of the Early Occupation among the Virgin Ancestral Puebloans during the Basketmaker III Period in the American Southwest
- 2:00 Evan Peacock, Virginie Renson, Brenda Kirkland, Simon Sherman and Claude Peacock—Elemental and Isotopic Geochemistry of Freshwater Shells to Source Shell-Tempered Ceramics
- 2:15 Richard George, Douglas Kennett, Stanley Serafin and Brendan Culleton—Strontium Isotopic Evidence Reveals High Levels of In-Migration during the Formation, Apogee, and Decline of the Postclassic City of Mayapán
- 2:30 Barbara Voorhies, C. Fred Andrus, Christine Bassett and Holley Moyes—Determination of Ritual Seasonality at a Prehistoric Maya Shrine: Preliminary Results
- 2:45 Heather Thakar—The Foraging to Farmer Transition: Generating Novel Testable Hypotheses
- 3:00 James Daniels, Heather Thakar and Hector Neff—Reaping the Rewards of Incipient Agriculture from the Land to the Sea and the Mangroves In-Between
- 3:15 Michael Love—Late Classic Occupation at La Blanca, San Marcos, Guatemala
- 3:30 Janine Gasco—Hector Neff's Contributions to Research on Late Postclassic and Colonial Soconusco Ceramics
- 3:45 Eugenia Robinson and Ronald Bishop—Provenance Studies of Ceramics from the K'iche Capital Q'umarkaj, Guatemalan Highlands
- 4:00 Wesley Stoner—Costly Signaling and the Transmission of Formative Pottery Styles in Mesoamerica
- 4:15 Hector Neff—Discussant
- 4:30 Questions and Answers

[238] SYMPOSIUM ■ ADVANCES IN GLOBAL SUBMERGED PALEOLANDSCAPES RESEARCH
(Sponsored by Island and Coastal Archaeology Interest Group)

Room: 13AB (ACC)
Time: 1:00 p.m.–5:00 p.m.
Chairs: Amy Gusick and Amanda Evans

Participants:

- 1:00 John O'Shea—Necessity, Not Novelty: Archaeology on Submerged Landscapes
- 1:15 Ervan Garrison—Seismic Facies, or How Geophysics Help Shape Submerged Prehistoric Studies on the OCS

- 1:30 Martin Segsneider, Hauke Jöns, Moritz Mennenga and Jonas Enzmann—
SPLASHCOS-Network, SPLASHCOS Viewer, and the Mesolithic Site of Strande
- 1:45 Ashley Lemke—Submerged Prehistoric Archaeology on the Atlantic Continental
Shelf
- 2:00 Dominique Rissolo—An Overview and Synthesis of Paleocoastal Research on
the Yucatán Peninsula
- 2:15 Jessica Cook Hale—"A tale told . . . signifying nothing"
- 2:30 Neil Puckett—The Walker Lake Landscape: Combining Geophysical Studies to
Clarify Regional Change and the Archaeological Record
- 2:45 John McCarthy, Chelsea Wiseman, Jonathan Benjamin, Jo McDonald and Sean
Ulm—Evidence for Occupation of Submerged Landscapes of the Australian
Continent
- 3:00 C. Hemmings—Clovis and Pre-Clovis People in Florida: So What Did They Do
Once They Got Here?
- 3:15 Timothy de Smet and Morgan Smith—On the Use of Acoustics to Identify
Submerged Anthropogenic Lithic Material
- 3:30 Jessi Halligan—Where Is the Waterline? Integrating Terrestrial and Underwater
Investigations in the Aucilla River, Florida
- 3:45 Amanda Evans, Louise Tizzard, Megan Metcalfe and Alexandra Herrera-
Schneider—White Caps and Laptops: Geophysical Results from the 2019
Survey of Submerged Precontact Landscapes in the Northwestern Gulf of
Mexico
- 4:00 William Carleton and Rob Rondeau—Beringia Underwater: The Search for New
Archaeological Sites on the Pacific Northwest Coast
- 4:15 Louise Tizzard and Claire Mellett—Across and beyond Site Boundaries:
Maximizing the Legacy of Submerged Landscape Assessments
- 4:30 E. James Dixon and Loren Davis—The Rose Room Workshop
- 4:45 Vincent Gaffney—Discussant

[239] GENERAL SESSION ■ COLONIAL AND CONTACT PERIOD ARCHAEOLOGY**Room:** 15 (ACC)**Time:** 1:00 p.m.–5:00 p.m.**Chair:** Terence Clark**Participants:**

- 1:00 Terence Clark—Archaeology in an Era of Reconciliation: Insights from the Front
Line
- 1:15 Kaitlin Brown—Exploring the Waning Spanish Frontier at Mission La Purísima
Concepción
- 1:30 Brianna Rotella and Kaitlin Brown—Comparing Chumash Communities at
Mission San Buenaventura and Mission La Purísima Concepción
- 1:45 Emily Dylla—Men of the Mission: Creating and Contesting Male Personhood on
the Last Spanish Colonial Frontier
- 2:00 Mary Mailler and Spencer Mitchell—Geospatial Analysis of Historic Maps
Further Confirms Etzanoa Was Located at the Mouth of the Walnut River in
Arkansas City, Kansas
- 2:15 Matthew Schmader—First Contact, Pueblo Resistance, and Multiethnic Conflict
on the Vázquez de Coronado Expedition of 1540–1542
- 2:30 Sandra Arazi-Coombs—Adaptability of the Commons: Historical Ecology of
Land Tenure Patterns in the Sandia Mountains, NM
- 2:45 Kaitlyn Davis—Pueblo Agricultural Adaptations to Socioeconomic Changes in
New Mexico

- 3:00 Daniel Kreutzer—From Hacenderos to Smallholders: Cultural Conflicts between Anglo Colonists and the Mexican Government on the Nineteenth-Century Texas Frontier
- 3:15 Kristin De Lucia and Enrique Rodríguez-Alegría—The New Water-Mountain: Archaeology of a Colonial Church in Xaltocan, Mexico
- 3:30 Christian Allen—Coalescing Communities of Practice: Assessing Intrasite Ceramic Spatial and Element Compositional Variability Using pXRF and GIS at Mialoquo (40MR3) a Mid-Eighteenth-Century Cherokee Community in East Tennessee
- 3:45 Heath Bentley and James Garber—Material Presence of the British West Indian Regiments on St. George's Caye, Belize
- 4:00 Maria Mercedes Martinez Milantchi, Alice Samson, Jago Cooper, Michael Charlton and Carlos Perez—A Materials Science Consideration of New World Encounters: Multi-method Approaches to the Archaeology of the Caribbean
- 4:15 Diane Wallman, Douglas Armstrong, Mark Hauser, Kenneth Kelly and Lennox Honychurch—Archaeological Research of Indigenous-European Interaction at La Soye 2, Dominica
- 4:30 Maria Smith and Alex Garcia-Putnam—Weavers of "Pro and Profit" Weaving an Imperial City from a Rural Obraje
- 4:45 Christopher Rodning and Stephen Acabado—Game Theory, Chaos Theory, and the Archaeology of Indigenous Responses to Global Spanish Colonialisms

[240] POSTER SESSION ■ WORLDWIDE ADVANCES IN BIOARCHAEOLOGY AND MORTUARY ANALYSIS

Room: Exhibit Hall 4 (ACC)

Time: 2:00 p.m.–4:00 p.m.

Participants:

- 240-a Susan Pfeiffer, Judith Sealy, Lesley Harrington, Tim Maggs and Emma Loftus—A Late Holocene Community Burial Area with Evidence of Violent Death: Table Bay, Western Cape, South Africa
- 240-b Leslie Fitzpatrick, Emma Bonthorne, Danee Wilson and Fran Valle de Tarazaga—Stable Isotopic Examination ($\delta^{18}\text{O}$, $\delta^{15}\text{N}$, $\delta^{13}\text{C}$) of Human Remains from the Monastery of Santa María de Zamartze, Uharte-Arakil Municipality, Navarre Chartered Community, Spain
- 240-c Joseph Effingham and Samantha Blatt—Dental Morphology of the Prehistoric Chamorro, Guam
- 240-d Stacy Edington, Jessica Cerezo-Román, Glenys McGowan, Brett Kaufman and Hans Barnard—Beyond Sacrifice: The Life Course of a Child from the Neo Punic Site Zita in Tunisia
- 240-e Jeremy Pye—Modeling the State of Health: Building a Multidisciplinary Framework for Bioarchaeology
- 240-f Michelle Carpenter, Robert Hard, James Watson, Elisa Villalpando and Raymond Mauldin—Stable Isotope Analysis of the Early Agriculture Period at La Playa (SON:F:10:3), Sonora, Mexico
- 240-g Judith Sealy—Territoriality and Marriage Patterns in Coastal Hunter-Gatherers from $\delta^{15}\text{N}$
- 240-h Megan Fry, John Krigbaum and George Kamenov—Social Differentiation and Identity in the Anglo-Saxon Kingdom of Lindsey
- 240-i Samantha Blatt, Shanda Putnam, Amy Michael and John Dudgeon—Dark Matters of the Dark Market: Curation, Authentication, and Repatriation of Two Midcentury Shrunken Heads
- 240-j Jack Biggs, Amy Michael and Gabriel Wrobel—Buried in the Maw of Xibalba: The Bioarchaeology of the Sac Uitzil Ba Maya Rockshelter in Central Belize

- 240-k Urvi Kaul, Paloma Cuello de Pozo and Jose Peña—Lab Methodologies for Looted Mortuary Sites
- 240-l Marina Di Giusto and Veronica Wesolowski—The Final Period of the Shell Mound Occupation: Life on the Southern Coast of Brazil from the Case Study of the Içara-01 Conchiferous Site

[241] POSTER SESSION ■ FOODWAYS**Room:** Exhibit Hall 4 (ACC)**Time:** 2:00 p.m.–4:00 p.m.**Participants:**

- 241-a Eric Carlucci—Brewing up Archaeology: Understanding the Intersection of Archaeology and Craft Beer
- 241-b Ashley Jones, Kristen Hickey and Stephanie Orsini—Pigs to Possums: Foodways at Plantations in Louisiana and Texas
- 241-c Emily McKenzie and Katherine Chiou—Out of the Frying Pan and into the Fire: Measuring the Effects of Charring on Chile Pepper (*Capsicum* spp.) Seed Morphology
- 241-d Heather Lash—Foodways of Pre- and Post-Emancipation African Americans at James Madison's Montpelier: A Zooarchaeological Analysis of Food Preference and Food Access
- 241-e Chelsea Reedy—Food and Fortitude: A Story of Life within Presidio San Sabá as Told through Zooarchaeological Analysis

[242] POSTER SESSION ■ ANDEAN ARCHAEOLOGY: LATE INTERMEDIATE, LATE HORIZON, COLONIAL**Room:** Exhibit Hall 4 (ACC)**Time:** 2:00 p.m.–4:00 p.m.**Participants:**

- 242-a Amy Szumilewicz—Middle Sicán Canvas, Cloth and Woven Textiles: The Media, Aesthetics, and Roles of Textile Painting in the Andes
- 242-b Alexandra Ritter, Paloma Cuello del Pozo and Jose Peña—Preliminary Study of Dental Health among Coastal Population at the Site of the Santo Domingo Cemetery in Huarmey, Peru
- 242-c Mark Chavez, Paloma Cuello del Pozo and Jose Peña—Explorations from El Campanario Archaeological Project: Body Decorations Recovered from Human Remains Excavated at the Santo Domingo Cemetery in Huarmey, Peru
- 242-d David Blackman, Donna Nash and Emily Schach—Spatial Analysis of Burial Populations at Yarakachi, Moquegua, Peru
- 242-e Daniel Plekhov and Parker VanValkenburgh—Defining Form and Function of Agricultural Terraces in the Middle Utcubamba River Basin, Chachapoyas, Peru
- 242-f Carlos Osores—Animal Economy at Cerro La Guitarra, Zaña Valley, Peru
- 242-g Mary Emma DeOrbegozo and Bradley Chase Jones—From a Bird's-Eye View to Satellites over Peru
- 242-h Sarah Baitzel, Arturo Rivera Infante and Martin Polo y La Borda—So Close, Yet So High: Explorations of a Late Intermediate Period High-Altitude Pastoralist Settlement in the Heart of the Vilcanota, Cusco, Peru
- 242-i Arturo Rivera Infante—Lithic Artifact Diversity in the Lomas of the Middle Sama Valley, Tacna, Peru, during the Prehispanic Period
- 242-j Laura Pott, Rita Austin, Andrea Eller and Sabrina Sholts—Population-Level Assessment of Cranial Modification and Atlanto-Occipital Fusion across Nine Regions of Peru (1300–1500 CE)

- 242-k 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)
- 242-l Corey Hoover and Kylie Quave—Phytolith Plant Remains from Yunkaray, Cusco, Peru
- 242-m Abigail Schofield, Luis Octavio Ruzo, Luis Jaime Castillo and David Carballo—A Geospatial and Archaeoastronomical Analysis of Stone Monuments at Marcahuasi, Peru

[243] POSTER SESSION ■ ANDEAN ARCHAEOLOGY: FORMATIVE, EARLY HORIZON, MIDDLE HORIZON

Room: Exhibit Hall 4 (ACC)

Time: 2:00 p.m.–4:00 p.m.

Participants:

- 243-a Corrie Hyland, Paul Szpak and Jean-François Millaire—High Tide and Low Tide: Variable Marine Consumption by Victims of Ritual Violence in the Virú Valley, Peru
- 243-b Kristin Carline, Erik Marsh, Savanna Buehlman-Barbeau, Silvina Castro and Lucía Yebra—Semi-Sedentary Foragers in the Uspallata Valley, Argentina
- 243-c Jake Dean and Beth Scaffidi—Water Scarcity and Wari Imperial Expansion: Using Remotely Sensed (Planet) Data to Examine the Impact of Freshwater Availability on Imperial Settlement Strategies
- 243-d Gustavo Neme, Adolfo Gil, Christopher Morgan, Miguel Giardina and David Harvey—Human Occupation at High Elevations: Excavations at the El Indígena Archaeological Site
- 243-e Sarah Stagg and Jason Toohey—Domestic Space and Residential Organization at the Early Intermediate Period Cajamarca Site of Callacpuma, Peru
- 243-f Marta Alfonso-Durruty, Nicole Misarti and Andres Troncoso—Stable Isotope Evidence of Dietary Trends among Prehistoric Populations from the Semi-arid Region, Chile
- 243-g Nora Berry, Christina Conlee and Deborah Spivak—A Ceramic Analysis of the Middle Horizon site of Huaca del Loro
- 243-h Sarah Jolly—The Use of Human Remains in Domestic Ritual at the Early Farming Village of Waywaka (Andahuaylas, Peru)
- 243-i Rosa María Varillas, Carol Rodríguez Romero and Francesca Fernandini—Dyed Threads and Identity in the Cerro de Oro Textiles
- 243-j Kathleen Huggins and Matthew Sitek—Typology and Intrasite distribution of Tiwanaku (ca. AD 500-1100) Ground Stone Tools at Cerro San Antonio (L1) in the Middle Locumba Valley, Peru
- 243-k Alana Garvey—An Analysis of Rock Art in Eastern Ancash, Peru

[244] POSTER SESSION ■ ANCIENT DNA AND MOLECULAR ARCHAEOLOGY

Room: Exhibit Hall 4 (ACC)

Time: 2:00 p.m.–4:00 p.m.

Participants:

- 244-a Alexis Rizzolo and Meradeth Snow—Nondestructive and Destructive DNA Sampling Methods for Obtaining Success Rates on Genetic Sexing of Remains
- 244-b Tre Blohm, Jordan Karsten, Ryan Schmidt and Meradeth Snow—Paleomicrobiological Analysis of Tripolye Genomes from Verteba Cave, Ukraine
- 244-c Tiago Ferraz da Silva, Tábita Hünemeier, Johannes Krause, Cosimo Posth and André Strauss—Genetic Diversity of Shell Midden Builders along the Brazilian Coastline

- 244-d Bethany Potter, Caroline Kisielinski, Justin Tackney, Dennis O'Rourke and Frederic Sellet—Bloody Sharp Rocks: Optimization of aDNA Extraction from Experimental Lithic Artifacts
- 244-e Sophie Rabinow—Faunal aDNA Analysis to Determine Precolumbian Mobility Networks in the Caribbean
- 244-f Dong Hoon Shin, Jong Ha Hong, Jieun Kim and Sun Kim—Genetic Analysis of the Fifteenth-Century Horse Remains from the Archaeological Site of Korea
- 244-g Robin Singleton, Nihan Dagtas, Karissa Hughes, Nawa Sugiyama and Courtney Hofman—Captive Management and Sacrificial Power: Using Ancient Genomics to Study Animal Sacrifice in Teotihuacán
- 244-h Macy Ricketts, Naomi Ward, Todd Surovell and Madeline Mackie—Microbial Community Structure within Stratified Soils at the La Prele Mammoth Site
- 244-i Taryn Johnson and Anna Linderholm—The Prehistoric Diet: Genomic Analysis of Bonneville Estates Paleofeces, Nevada
- 244-j Karissa Hughes, Nawa Sugiyama, Nihan Dagtas and Courtney Hofman—Using Ancient Mitogenomics to Investigate Canid Procurement in the Teotihuacán Ritual Landscape
- 244-k Jacob Haffner, Hannah Mattson, Laura-Isobel McCall and Cecil Lewis Jr.—Archaeological Metabolomics: Residue Analysis and Mass Spectrometry
- 244-l Kristen Rayfield, Lushuang Huang, Hayley Lanier, Si Wu and Courtney Hofman—A Proteomic Approach to Determine Sex in Zooarchaeology
- 244-m Elizabeth Johnston and Michael Buckley—Use of Proteomic Methods for Biological Age Estimation at Death
- 244-n Alicia Ventresca Miller—Dairying and Domestication in the Altai Mountains

[245] POSTER SESSION ■ USING ACTUALISTIC EXPERIMENTS IN RANGE CREEK CANYON, UTAH: THE NEXT STEPS
Room: Exhibit Hall 4 (ACC)
Time: 2:00 p.m.–4:00 p.m.
Chair: Shannon Boomgarden

Participants:

- 245-a Corinne Springer and Shannon Boomgarden—Archaeological Investigations in Range Creek Canyon: Emery and Carbon Counties, Utah
- 245-b Shannon Boomgarden, Brendan Ermish, Jordin Muller, Duncan Metcalfe and Stefania Wilks—Actualistic Experiments in Archaeology: Farming and Storing Maize in Range Creek Canyon, Utah
- 245-c Brendan Ermish, Shannon Boomgarden, Duncan Metcalfe and Jordin Muller—Maize Root Depth and Implications for Irrigation
- 245-d Jordin Muller, Brendan Ermish and Shannon Boomgarden—Historic Excavation of Irrigation Systems and the Implications for Prehistoric Agriculture
- 245-e Stefania Wilks, Lisbeth Louderback and Shannon Boomgarden—Identification of Water Regime Influence on *Zea Mays* in Range Creek Canyon Based on Starch Grain Morphometrics

Sunday Morning ■ April 26, 2020

[246] SYMPOSIUM ■ CHALLENGES AND FUTURE DIRECTIONS IN THE ARCHAEOLOGY OF THE SIERRA NEVADA DE SANTA MARTA (COLOMBIA)

Room: Ballroom G (ACC)

Time: 8:00 a.m.–9:15 a.m.

Chair: Daniel Rodriguez Osorio

Participants:

- 8:00 Marion Weber, Natalia Acevedo, Sebastián Betancur, Joaquín Proenza and Antonio García-Casco—Provenance of Lithic Artifacts from the Nahuangue and Tairona Societies, Sierra Nevada de Santa Marta
- 8:15 Sonia De Andreis—Étude technologique des assemblages céramiques de Ciudad Perdida: Quels apports?
- 8:30 Daniel Rodriguez Osorio—Disentangling Landscape: A Political Ecology Approach to the Tairona Regime at the Northwestern Side of the Sierra Nevada de Santa Marta (Colombia)
- 8:45 Alice Diaz—Featherwork in the Tairona Area: Making an Intangible Object Traceable?
- 9:00 Santiago Giraldo—Discussant

[247] SYMPOSIUM ■ CELEBRATING DIVERSITY IN DOWNTOWN REDLANDS, CALIFORNIA: STORIES OF CHINATOWN AND THE BARRIO

Room: 15 (ACC)

Time: 8:00 a.m.–9:30 a.m.

Chair: Karen Swope

Participants:

- 8:00 Donn Grenda and Karen Swope—Redlands Chinatown and Barrio Archaeological Project: Overview, Challenges, and Opportunities
- 8:15 Robert Grenda, Scott Sunell and Richard Ciolek-Torello—Privies, Pits, and Ovens in Downtown Redlands
- 8:30 Karl Reinhard and Dong Hoon Shin—Discovery of Chinese Liver Flukes in Latrine Sediments
- 8:45 Scott Sunell—Spatial and Temporal Trends in Medicine Use among Immigrant Communities in Historic Downtown Redlands, California
- 9:00 Joy Vyhmeister—The Games They Played: Material Culture Highlights from a Historic Period Site in Downtown Redlands, California
- 9:15 Teresita Majewski—Discussant

[248] GENERAL SESSION ■ MUSEUMS, COLLECTIONS, AND REPATRIATION

Room: 18B (ACC)

Time: 8:00 a.m.–9:30 a.m.

Chair: Yoko Nishimura

Participants:

- 8:00 Yoko Nishimura—Doing Archaeology Outside of the Trench: A Case Study from the Jōmon Period in Japan that Utilizes Museum “Diaspora” Collections for Research
- 8:15 Veronica Arias and Tarek Rashed—Geovisualizing Climatic Conditions at Texas’s Largest History Museum
- 8:30 April Sievert—Learning NAGPRA: People, Process, and Product
- 8:45 Ryan Seidemann and Christine Halling—Assessing the Taphonomy of 29 Human Anatomical Specimens Confiscated in Louisiana

- 9:00 Ryohei Takatsuchi—The Huastec Collection at the National Museum of Anthropology
- 9:15 Todd McMahon—Developing a Resilient Colorado Curation Model: The Innovative Solution to Addressing the State's Collections Care Needs

[249] SYMPOSIUM ■ INDIAN OCEAN SOCIOLOGICAL AND ECONOMIC CONNECTIONS AS REVEALED BY THE STUDY OF ANCIENT AND HISTORIC GLASS PRODUCTION AND TRADE

Room: 12A (ACC)

Time: 8:00 a.m.—10:00 a.m.

Chairs: Thomas Fenn and Laure Dussubieux

Participants:

- 8:00 Akshay Sarathi, Jonathan Walz and Laure Dussubieux—The Trade and Use of Glass Beads at the Site of Unguja Ukuu, Zanzibar (Seventh–Eleventh Centuries CE)
- 8:15 Marilee Wood—Zanzibar's Seventh- to Tenth-Century Glass Beads Reveal a World Connected by Trade
- 8:30 Carla Klehm and Laure Dussubieux—Why Indian Ocean Beads in the Southern African Interior Matter: Linking Global Objects to Local and Regional Change
- 8:45 Jeffrey Fleisher and Joe Merchant—Indian Ocean Glass Beads from Miyoba Mound in the Kafue River Floodplain, Zambia
- 9:00 John Kappelman, Lindsey Trombetta, Laure Dussubieux, Agazi Negash and Lawrence Todd—Beads and Burials in the Lowlands of Northwestern Ethiopia
- 9:15 Shinu Abraham, Laure Dussubieux, Thomas Fenn and Alok Kanungo—Reconstructing Glass Manufacturing Patterns in India through Raw Materials Sourcing and Ethnoarchaeological Investigations
- 9:30 Thomas Fenn, Laure Dussubieux, Shinu Abraham and Alok Kanungo—Ancient and Historic Glass Production in India: Preliminary Results of Raw Material Analyses
- 9:45 Laure Dussubieux—Glass Trade in the Indian Ocean: A View from Southeast Asia

[250] SYMPOSIUM ■ ARCHAEOLOGY IN MOZAMBIQUE: CURRENT ISSUES AND TOPICS IN ARCHAEOLOGY AND HERITAGE MANAGEMENT

Room: 13AB (ACC)

Time: 8:00 a.m.—10:30 a.m.

Chairs: Diogo Oliveira and Décio Muianga

Participants:

- 8:00 Décio Muianga and Enio Tembe—One Hundred Years of Mozambican Archaeology: Past, Present, Future, and Challenges
- 8:15 Nuno Bicho, Jonathan Haws, João Cascalheira, Célia Gonçalves and Mussa Raja—Stone Age Archaeology in the Elephant River Valley, SW Mozambique
- 8:30 Michel Guinard—Excavations and Surveys at Caimane Cave and in the Gaza Region, Mozambique
- 8:45 Sabrina Stempfle, Jörg Linstädter and Décio Muianga—Bantu Arrival in Southern Mozambique: Ceramic Analysis as a Source of Information for Dating, Diversity, Technology Transfer, and Nutrition
- 9:00 Diogo Oliveira—Excavations on the Northern Coast of Mozambique: Lingering Questions Surrounding Swahili Traders and the Sea
- 9:15 Celso Simbine—The Maritime Archaeology of Mozambique Island: Lessons from the Commercial Gathering of Beads and Porcelain for Tourists

- 9:30 Cezar Mahumane—New Approaches to Protect Endangered Shipwrecks
around Mozambique Island
9:45 Questions and Answers
10:00 Jörg Linstädter—Discussant
10:15 Stephanie Wynne-Jones—Discussant

**[251] SYMPOSIUM ■ DEEP HISTORY, COLONIAL NARRATIVES, AND DECOLONIZATION IN
THE NATIVE CHESAPEAKE**

Room: Ballroom E (ACC)

Time: 8:00 a.m.–11:15 a.m.

Chairs: Julia King and Martin Gallivan

Participants:

- 8:00 Martin Gallivan and Jessica Jenkins—Deep History, Colonial Encounters, and
Revitalization in the Algonquian Chesapeake
8:15 Mike Makin—The Problem with Prehistory: A Case for Precolonial Archaeology
8:30 Jessica Herlich—Taskscapes and Social Sustainability: Archaeobotanical and
Ethnohistorical Interpretations from the Chesapeake
8:45 Scott Strickland—Indigenous Viewsheds in the Chesapeake
9:00 Taylor Triplett—The Hand Site Reassessment Project: Gleaning New
Perspectives from Reposited Collections
9:15 Christopher Shephard—Material Bodies, Living Objects: Bodily Adornment and
Death in the Algonquian Chesapeake
9:30 Questions and Answers
9:45 Matthew McKnight—Contact on the English Periphery: Evidence of Native–
Colonial Interactions in the Monocacy Valley
10:00 Dane Magoon—Powhatan's Pearls: Power, Prestige, Profit, and Identity in
Coastal Virginia during the Late Woodland and Contact Periods
10:15 Danielle Moretti-Langholtz and Buck Woodard—Provenance and Power:
Decolonizing Powhatan's Mantle
10:30 Ellen Chapman and Victoria Ferguson—Toward a Decolonized CRM:
Challenges in Archaeological Stewardship and Interpretation for Virginia Tribes
10:45 Julia King—Bridging the Divide: A Study of Fourteenth–Eighteenth-Century
Native Settlements in the Middle Chesapeake
11:00 Jeffrey Hantman—Discussant

[252] GENERAL SESSION ■ COASTAL AND ISLAND ARCHAEOLOGY

Room: 19B (ACC)

Time: 8:00 a.m.–11:15 a.m.

Chair: Justin Cramb

Participants:

- 8:00 Justin Cramb—The Mystery Dogs of Remote Oceania: An Archaeological and
Ethnohistorical View of Domestic Dog Introduction and Loss in the South Pacific
8:15 Joel Klénck, Mohammed Sahib and Seiuli Temese—Archaeology of Luatete
Crater: Ritual and Prestige of the Tuimanu'a, Ta'u Island, American Samoa
8:30 Katherine Peck, Noa Lincoln and Michael Graves—Soil Nutrient Variability in
the South Kohala Field System, Hawai'i Island
8:45 Mary Jane Berman and Ivan Wehner—Theorizing Lucayan Ceramics:
Perspectives from the Central Bahamas
9:00 Matt O'Mansky, David Parker, Caleb Self and Samuel Witham—Five Centuries
of Post-occupation Formation Processes: Excavations at the Dim Bay Site,
Bahamas

- 9:15 Christopher Espenshade—When Abandonment Is Not What It Seems: Bateys and a Mythical Landscape in Puerto Rico
- 9:30 Tracie Mayfield and Danielle Phelps—Pirates and Puritans in the Western Caribbean: Historical Archaeology and Ethnography on Old Providence & Santa Catalina Islands (Colombia)
- 9:45 Sophia Perdikaris, Rebecca Boger, Sandrine Grouard, Edith Gonzal and Jennifer Adams—Disrupted Identities and Cultural Heritage in Barbuda, Lesser Antilles
- 10:00 Daniela Klokler—Sharks, Rays, Monkeys, and the Modified Fauna from Piaçaguera
- 10:15 Katherine Woo, Peter Moe Astrup, Jonathan Benjamin and Geoff Bailey—To Shell with It: The Zooarchaeological Analysis of a Submerged Ertebølle Midden
- 10:30 Stephen Bryne and Shane Sparks—The Pitas Point Site: A Chumash Village Site in Ventura County, California
- 10:45 Evelyn Powell, Zachariah General, Stephen Tsuji, Konstantin Latychev and Leonard Tsuji—Akimiski Island, Nunavut, Canada: The Use of Cree Oral History and Sea-Level Retrodiction to Resolve Aboriginal Title
- 11:00 Fumie Iizuka, Masami Izuho, Hans Barnard and Mark Aldenderfer—Petrographic Provenance Study of the Late Pleistocene Pottery from the Soujiyama and Kenshojo-Ato Sites, Southern Kyushu, Japan

[253] SYMPOSIUM ■ LITHIC RAW MATERIALS, TOOLS, AND TECHNOLOGICAL ORGANIZATION: PAPERS IN HONOR OF WILLIAM ANDREFSKY JR.

Room: Ballroom F (ACC)

Time: 8:00 a.m.–12:00 p.m.

Chairs: Jennifer Ferris, Douglas MacDonald and Nathan Goodale

Participants:

- 8:00 Douglas MacDonald—Discussant
- 8:15 George Jones and Charlotte Beck—Biface Life History and Measurement Efficacy
- 8:30 Nathan Goodale and Colin Quinn—Inter-analyst Reliability and Replicability of Curation Indices
- 8:45 Robert Bettinger—Two Only Slightly More Complicated Models of Technological Investment
- 9:00 Jake Adams—Typological Miscommunication: Can We Get to the Point? A Case Study from Alaska
- 9:15 Michael Shott—Point Types as Subjects Using Big Datasets from Southern Ohio
- 9:30 Philip Fisher—Topographic Morphometric Analysis of Late Paleoindian Projectile Points: Goshen and Plainview of the Great Plains
- 9:45 Jeffrey Rasic—Lithic Source Types as Driving Factors in the Character of Regional Archaeological Records
- 10:00 Peter Hiscock—Lithic Raw Materials and Morphological Variation, a Small Example
- 10:15 Kimberly Redman—Experiments in CRM
- 10:30 David Hyde and Fred Valdez Jr.—Shedding Light on the Pre-Maya to Maya Transition: Continuity and Discontinuity in Lithic Technology at Colha, Belize
- 10:45 Edward Knell—The Organization of Terminal Pleistocene–Early Holocene Lithic Technology around Pluvial Lake Mojave
- 11:00 Jennifer Ferris—Refining Interpretations of Technological Organization Using Stone Tool Functional Analyses: Recent Investigations at the Olcott Site
- 11:15 Katie Harris—Lithics and the Late Prehistoric: Networks and Interaction on the Southeastern Columbia Plateau

11:30 William Andrefsky—Discussant
11:45 Questions and Answers

[254] SYMPOSIUM ■ BROADER IMPACTS AND TEACHING: ENGAGING WITH DIVERSE AUDIENCES
(Sponsored by Teaching Archaeology Interest Group and Public Education Committee)
Room: 17B (ACC)
Time: 8:00 a.m.–12:00 p.m.
Chairs: Elisabeth Rareshide and Lara Lloyd

Participants:

8:00 Philip Carr—Introduction to Archaeology and Biological Anthropology: Teaching with Team-Based Learning
8:15 Megan Kassabaum, Arielle Pierson and Erin Spicola—Connecting Past and Present Landscapes through Museum Education and Public Archaeology
8:30 William Balco—Meaningful Engagement on a Shoestring Budget in North Georgia
8:45 Peter Peregrine—Resilience to Nuclear Winter: An Example of Policy-Focused Archaeological Research
9:00 Emily Smith—Twisted Lines: K–12 Diversity Education and the Role of Archaeology in Teaching the Past
9:15 Questions and Answers
9:30 Renee Bonzani and Bruce Manzano—Hands-on Archaeological Pedagogy: Case Example Teaching Food Pathways in Ancient and Modern Times
9:45 Shereen Lerner—Connecting the Past to the Present: The Social Relevance of Archaeology
10:00 Joanne Minerbi and Elisabeth Rareshide—To Be a Scholar Is to Be Relevant: Sharing Knowledge with the Public
10:15 Linda Neff—Transforming Archaeological Learning into Action: Service Learning as a Teaching Strategy
10:30 Questions and Answers
10:45 Lara Lloyd—From Site Tours to College Teaching: Applying Lessons from Working for the National Park Service into the Archaeology Classroom
11:00 Benjamin Bradley, Joshua Cannon, Kendra Kennedy, Gary Tippin and Kayleigh Sharp—Phone-y Archaeology: Teaching Archaeology Using Mobile Apps
11:15 Kelli Carmean—Spark the Heart First: Archaeological Fiction in the Classroom
11:30 Ashley Hampton and Jesse Harvkey—With a Plus Five in Archaeology: Examining Representations of Cultural Heritage in Tabletop Role-playing Games
11:45 Ryan Wheeler—The Journal of Archaeology and Education

[255] SYMPOSIUM ■ UP IN FLAMES: ASSESSING ALAN SULLIVAN'S QUEST FOR AN INDEPENDENT ARCHAEOLOGY
Room: Salon J (H)
Time: 8:00 a.m.–12:00 p.m.
Chairs: Christopher Roos and Philip Mink

Participants:

8:00 Michael Graves—The Power of Inference in Archaeology: Making Sense of Alan Sullivan

- 8:15 William Parkinson—Anthropology, Archaeology, and the Myth of Epistemological Independence: Copper Age Village Dynamics on the Great Hungarian Plain
- 8:30 James Skibo—Pots and Sherds: Closing the Gap and Surviving the Zombie Apocalypse
- 8:45 Emily Phillips—The Interpretation Neutral Approach in Lithic Analysis
- 9:00 Helen Fairley—Shaking the Pinyon Tree: Alan Sullivan's Contributions to Long-standing Debates about Ancestral Puebloan Subsistence in the Grand Canyon Region
- 9:15 Philip Mink—Let Them Eat Cheno-ams: Alan Sullivan and Beheading the King Corn Mythos in Grand Canyon Archaeology
- 9:30 Kathleen Forste, Susan Allen, Jean Berkebile and Martha Wendel—Seeds and Stems on the Edge of Splendor
- 9:45 Calla McNamee, Neil Weintraub and Daniel Sorrell—Celebrating Decades of Collaboration: Interpretations of Grand Canyon Puebloan Land Use in the Upper Basin, Northern Arizona
- 10:00 Christian Downum—"Localized and Uneven": A Comparative Analysis of Sinagua and Cohonina Foodways
- 10:15 Sidney Carter—A Geoarchaeological Perspective on Ceramics as Records of Archaeological Landscapes
- 10:30 James Bayman—Integrating Top-Down and Bottom-Up Perspectives on the Ancient Southwest
- 10:45 Robert Cook—Small Regions, Big Problems: The Importance of Long-Term Research in Specific and "Marginal" Locales
- 11:00 Sissel Schroeder and Samuel Munoz—The Paradox of Incommensurate Paleoeological and Archaeological Evidence
- 11:15 Christopher Roos—Up in Flames: How an Independent Archaeology Made a Pyrogeographer
- 11:30 Alan Sullivan—Discussant
- 11:45 Questions and Answers

[256] SYMPOSIUM ■ U.S. ARMY CORPS OF ENGINEERS: PUBLIC OUTREACH AND ENGAGEMENT AND ALTERNATIVE MITIGATION

Room: 14 (ACC)

Time: 8:15 a.m.–9:30 a.m.

Chair: Erin Hess

Participants:

- 8:15 Erin Hess—Public Outreach and Engagement as Mitigation
- 8:30 Jimmy Barrera—Case Example of Permit Compliance to Public Outreach, New Braunfels, Texas
- 8:45 Carey Baxter, Heather Johnson and Christopher McDaid—Confederate Earthworks on Fort Eustis, VA: 3D Digitalization as Alternative Mitigation and Public Outreach
- 9:00 Geneva Kraus and Joanne Goodsell—Exploring the Effects of Operational Changes on Archaeological Sites at Folsom Lake, California
- 9:15 Nancy Komulainen-Dillenburg—USACE St. Paul District Regulatory (Corps) Commitment to Open and Transparent Communication and Consultation with Tribes, In Review

[257] SYMPOSIUM ■ RECENT INNOVATIONS IN ECUADORIAN ARCHAEOLOGY

Room: 18C (ACC)

Time: 8:30 a.m.–12:00 p.m.

Chairs: Jonathan Damp, Amelia Sánchez Mosquera and Valentina Martínez

Participants:

- 8:30 Jonathan Damp—A Simple Solution to the Problem of the Origins of Settled Life and Ceramic Production: A View from Coastal Ecuador
- 8:45 Sarah Rowe and Guy Duke—Going Their Own Way: New Insights on Valdivia Culture from the Buen Suceso Site
- 9:00 Atsushi Yamamoto, Juan Pablo Vargas and Oscar Arias—Investigations in the Valley of Cañar, Ecuador: Preliminary Results at Cerro Narrio and Loma de Pinshul
- 9:15 Miriam Domínguez—An Archaeological History of the Tamaylacha (Jubones) River Basin, circa First Millennium BCE
- 9:30 Janny Velasco Alban—Anthropic Soils in Ecuadorian Upper Amazon? Approaches to the ADE Discussion from La Lomita Midden, Upano Earthen Mound Complex, Morona Santiago Ecuador
- 9:45 Amelia Sánchez Mosquera and Juan Miguel Kosztura—Camellones y tefras en el subsuelo de Quito: Evidencias de cultivos y dinámicas temporales
- 10:00 Jorge Flores—Salt Exploitation in the Northern Ecuadorian Highlands: Beyond the Economic Benefits
- 10:15 Valentina Martínez and Andres Garzon-Oechsle—Landscapes, Architecture, and Settlement Patterns: Reflections on the Territorial Expansion of the Manteños and the Establishing of a Distinct Social Identity
- 10:30 Manuel Castro-Priego, Lauro Olmo-Enciso and Marcos Octavio Labrada-Ochoa—Perduraciones prehispánicas y conformación del paisaje colonial en la costa Ecuatoriana en los siglos XVI y XVII
- 10:45 Ashley Vance and Benjamin Carter—Non-Dietary Applications of *Spondylus* in Precolumbian Ecuador
- 11:00 Juan Jijón—Lidar Application in the Cerros Hojas-Jaboncillo, Manabí, Ecuador
- 11:15 María Ordoñez, Lourdes Torres and Tamara Landivar—DNA and CT Analysis of the National Tsantsa Collection: A Scientific and Community Approach to Museum Archaeology
- 11:30 Sara Ayers-Rigsby, Victoria Dominguez and Valentina Martínez—Preserving Heritage in Coastal Ecuador
- 11:45 María Masucci—Discussant

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

Room: 18A (ACC)

Time: 8:45 a.m.–12:00 p.m.

Chairs: Christina Bisulca and Emily Kaplan

Participants:

- 8:45 Christina Bisulca, Marilen Pool and Nancy Odegaard—Plant Exudates of Arizona: Use, Materials Properties, and Testing
- 9:00 Tim Riley and Katharine Corneli—Animal, Vegetable, Mineral? The Characterization of “Resins” Binding Composite Artifacts from the Northern Colorado Plateau
- 9:15 Taylor Burnell and Mark Sutton—An Integrated Chemical and Palynological Approach to Identifying Prehistoric Adhesives in the Southwest and Great Basin
- 9:30 Davide Domenici—Not Only Glues: Observations on the Use of Resins in Mesoamerican Mosaics
- 9:45 Rebecca Stacey—Gum Paint Binders from Precolumbian Cave Art at Mona Island
- 10:00 Monica Katz, Emily Kaplan and Catalina Ospina—Unresolved Questions in the Study of Mopa-mopa: History, Geography, and Chemistry

- 10:15 Joshua Henkin—Finding and Binding Your Dream Team for Characterizing Plant Exudates: Molle and Other Adventures in Residue Analysis
- 10:30 Lisa DeLeonardis, Dawn Kriss, Ellen Howe and Judith Levinson—Blue on Clay: Indigo as a Colorant in Andean Post-fired Ceramic Paints
- 10:45 David Lentz, Brian Lane and Kenneth Tankersley—Plant Fibers and Associated Bioactive Compounds Used to Protect Hopewell Copper Artifacts
- 11:00 Beth Edelstein, Adriana Rizzo and Sue Bergh—Investigation of Adhesive Resins on Wari Attributed Objects
- 11:15 Richard Newman and Emily Kaplan—Characterization of the Binder Used for Late Intermediate Period Ica Painted Wooden Boards
- 11:30 Questions and Answers
- 11:45 Davide Domenici—Discussant

[259] SYMPOSIUM ■ SLAVERY IN THE AMERICAS: ARCHAEOLOGY AND ARCHIVES**Room:** Salon F (H)**Time:** 9:00 a.m.–11:15 a.m.**Chairs:** Claire Heckel and Linda Stine**Participants:**

- 9:00 Danitza Márquez Ramírez—Land Ownership in Colonial Peru: Interrelated Dependencies as Seen through the Archival Records
- 9:15 Christian Mader—The Archaeology of Dependency: A Theoretical and Methodological Framework with an Application in Precolonial Peru
- 9:30 Terrance Weik—Cattle Colonialism in Chickasaw Mississippi
- 9:45 Linda Stine—Hidden Lives
- 10:00 Questions and Answers
- 10:15 Kara Bridgman Sweeney, Lilith Logan and Raymond Phipps—Reconciling Histories of Urban Enslaved Persons in Antebellum Savannah
- 10:30 Mary Minkoff—A Cup, a Saucer, and Power: An Examination of the Relationship between Enslaved People and Overseer at James Madison's Montpelier
- 10:45 C. Broughton Anderson—Slave|Free: Working through, in, and with the Archives in Madison County, Kentucky
- 11:00 Claire Heckel—Material Culture in the Archives: Examples from the Digital Library on American Slavery

[260] SYMPOSIUM ■ NEW PERSPECTIVES ON THE LATE INTERMEDIATE PERIOD IN SOUTHERN PERU**Room:** 17A (ACC)**Time:** 9:00 a.m.–11:15 a.m.**Chairs:** Emily Schach and Donna Nash**Participants:**

- 9:00 Donna Nash—Postcolonial Moquegua: The Long-Term Impacts of Wari Imperialism
- 9:15 Lizette Muñoz, Susan deFrance, Nicola Sharratt, Verónica Rosales and Alejandra Tazza—Plants, Animals, and Pottery: Local and Regional Interaction at Tumilaca la Chimba during the Late Intermediate Period
- 9:30 Emily Schach and Jane Buikstra—Feeding the Dead at Chiribaya Alta: A Comparative Analysis of Mortuary Practices
- 9:45 Curran Fitzgerald—Beasts of No Nation: Animals and Exchange during the Late Intermediate Period in the Moquegua Valley, Peru
- 10:00 Luis Diaz—Yaracachi, un sitio arqueológico multicultural en el Valle de Moquega, al sur del Perú

- 10:15 Tabitha Birtell and Emily Schach—Degenerative Joint Disease of the Spine at the Site of Yaracachi: Considering Labor Practices during the LIP and Late Horizon
- 10:30 Emilee Witte, Donna Nash and Emily Schach—People, Pigments, and Parallels
- 10:45 Rachael Penfil—Integrated Neighborhoods: Architectural Perspectives on Community at Mauka Llacta de Nuñoa, Puno, Peru
- 11:00 Brandon Gay and Paul Goldstein—Walls, Hilltops, and Defense: Exploring Fortification at the Late Intermediate Period Site of Cinto Alto (C8) in Locumba, Peru

[261] SYMPOSIUM ■ THE WORLDS OF ISLAMIC ARCHAEOLOGY: INVESTIGATION, INTERPRETATION, AND INNOVATION

Room: Salon K (H)
Time: 9:00 a.m.–11:15 a.m.
Chair: Ann Merkle

Participants:

- 9:00 Tasha Vorderstrasse—Approaches to Bactria in Late Antiquity
- 9:15 Catherine Klesner and Pamela Vandiver—Reconstructing Production Technology of Medieval Lead-Glazed Ceramics from Central Asian Silk Road Sites
- 9:30 Ann Merkle and Michael Frachetti—Innovative Traditions: Material Culture and Identity in the Highlands of Medieval Central Asia
- 9:45 Stephennie Mulder—The Ceramics of Balis: Toward the Recovery of Lost Heritage
- 10:00 Elissa Bullion and Sean Greer—Perceptions and Care of Disability in Early Islamic Central Asia
- 10:15 Donald Whitcomb—Archaeological Investigation of the Islamic City
- 10:30 Veronica Morriss—Power, Piety, and Production: Revisiting the Coastal Fortifications along the Islamic Maritime Frontier
- 10:45 Anthony Lauricella—The Qusur Landscape after the Umayyads
- 11:00 Questions and Answers

[262] SYMPOSIUM ■ AN OCEAN OF DATA: OPPORTUNITIES AND CHALLENGES FOR USING LEGACY DATA IN PACIFIC ISLAND ARCHAEOLOGY

Room: 16A (ACC)
Time: 9:00 a.m.–11:15 a.m.
Chairs: Adam Johnson and Spencer Lambert

Participants:

- 9:00 Aymeric Hermann and Robert Forkel—The Making of Pofatu, a Curated and Open-Access Database for Geochemical Sourcing of Archaeological Materials
- 9:15 Mara Mulrooney and Mark McCoy—The Production of Obsidian Pupils for Moai Eyes: New Geochemical Sourcing Data on Legacy Artifact Collections on Rapa Nui (Easter Island)
- 9:30 Reno Nims—Methods and Ethics for Data Reuse: A Zooarchaeological Case Study from Aotearoa New Zealand
- 9:45 Summer Moore and Michael Graves—Reading between the Lines: A Detailed Examination of Stratigraphy at Nu'alolo Kai and Implications for Investigating the Postcontact Component
- 10:00 Adam Johnson, Thegn Ladefoged and Mark McCoy—Settlement Pattern Archaeology Revisited: Coastal Households in Leeward Kohala, Hawai'i Island

- 10:15 Darby Filimoehala, Alex Morrison, Jennifer Huebert, Jon Tulchin and Trever Duarte—Stewardship, Community Engagement, and Archaeological Research: The Koehana of Ka'ūpūlehu
- 10:30 Spencer Lambert and Mark McCoy—How to Catch Fish with a Digital Net: Creating a Geodatabase for Marine Fauna in the Hawaiian Islands
- 10:45 Alex Morrison and Timothy Rieth—Integrating Legacy GIS and Historic Preservation Data: Examples from Hawaii and American Samoa
- 11:00 Regina Hilo—Legacy Data within a Regulatory Agency Framework: Hawaii's State Historic Preservation Division

[263] GENERAL SESSION ■ DISCOVERIES IN BRONZE AGE ARCHAEOLOGY**Room:** 19A (ACC)**Time:** 9:00 a.m.–11:15 a.m.**Chair:** Erina Baci**Participants:**

- 9:00 Knut Ivar Austvoll—Modeling Organizational Variation in Bronze Age Societies Along the Coast of Northwestern Scandinavia
- 9:15 Erina Baci, Michael Galaty, Sylvia Deskaj and Haxhi Mehmetaj—Diachronic Landscape, Environment, and Settlement Patterns in Western Kosova: Results of RAPID-K, 2018–2019
- 9:30 Eugenia Gorogianni—The Elusive Household: Household and Wealth in Ayia Irini, Kea
- 9:45 Robert Staniuk—Long-Term Cultural Change and Short-Term Cultural Choices: A Practice-Based Quantitative Analysis of Bronze Age Ceramics from a Multilayered Settlement in Kakucs-Turján (Hungary)
- 10:00 Felipe Criado-Boado—Exploratory Eye Movements to Archaeological Objects Illustrate the Coupling of the Material World and Social Complexity through History
- 10:15 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
- 10:30 Ashley Cercone—Potter's Wheel, Potter's Mold, and Coil-Made: Examining Potting Technologies Using Morphometrics
- 10:45 Michael Tritsch—The Encroachment of Domestic Religion at Karnak: Preliminary Interpretation of Findings in the Precinct to the Temple of Mut
- 11:00 Danielle Phelps—"Out of Sight, Out of Mind": The Atypical Inalienable Objects of Tutankhamun's Burial Assemblage

[264] GENERAL SESSION ■ PREHISTORY OF THE MIDWESTERN UNITED STATES**Room:** 406 (H)**Time:** 9:00 a.m.–11:15 a.m.**Chair:** Richard Edwards**Participants:**

- 9:00 Patrick Druggan—The Bounty of Woodland Ohio: Reconstructing Resource Distributions through Time and Their Implications for Subsistence and Settlement
- 9:15 Susan Kooiman and Aaron Comstock—Environmental and Culinary Relationships in the Northern Great Lakes
- 9:30 Catherine Doubles, Jake Lulewicz, Jason King and Jane Buikstra—Habitation and Interaction at the German Site (11C377)
- 9:45 Richard Edwards and Robert Jeske—Motives, Migrations, and Middle Mississippians: Fort Ancient and Aztalan Case Studies

- 10:00 Robert Jeske and Richard Edwards—Is Mississippianization a Thing? Testing the Spread of Innovation and Cultural Contact in the Eleventh-Century American Midwest
- 10:15 Rebecca Barzilai—The Traditional and the Novel in Material Practice: Nuancing Our Understanding of Ritual Activities at the Emerald Acropolis through Compositional Studies of Ceramics
- 10:30 Travis Jones—Navigating New Fields: A Chronology of Coalescent Immigration along the Middle Missouri River
- 10:45 Katy Mollerud, Robert Cook, Sarah Johnson and Annie Greco—Endings and Beginnings: Revisiting the Peabody Museum’s Early Collections from Hopewell and Fort Ancient Sites in Ohio
- 11:00 Alison Hadley—Pawnee Myths and the Materiality of Childhood

[265] SYMPOSIUM ■ THE PRACTICE OF MAYA WARFARE

Room: Salon G (H)

Time: 9:00 a.m.–11:30 a.m.

Chairs: Justin Bracken and Christopher Hernandez

Participants:

- 9:00 Christopher Hernandez—The Practice of Maya Warfare: Theoretical and Methodological Implications
- 9:15 Justin Bracken—Maya Fortifications: Monumentality and Movement
- 9:30 Kazuo Aoyama—Preclassic and Classic Maya Chipped Stone Weapons
- 9:45 Ricardo Rodas, Alejandra Roche Recinos and Omar Alcover Firpi—The Practice of Conflict: Slingstones and Fortifications in the Maya Lowlands
- 10:00 Andrew Scherer, Charles Golden and George Kollias—A Comparative Perspective on Warfare in the Classic Maya Kingdoms of Piedras Negras, Yaxchilan, and Sak Tz’i’
- 10:15 Alexandre Tokovinine—So Say the Gods: What Classic Maya Tell and Do Not Tell about War
- 10:30 Caitlin Earley—Warfare, Sacrifice, and the Captive Body in Classic Maya Sculpture
- 10:45 Mary Miller—Visualizing Battle: What We Can Still Learn from Bonampak
- 11:00 Takeshi Inomata—Discussant
- 11:15 Elizabeth Arkush—Discussant

[266] SYMPOSIUM ■ MUSIC ARCHAEOLOGY IN THE TWENTY-FIRST CENTURY: EXPLORING CONCEPTUALIZATIONS OF “MUSIC” AND RELATING METHODOLOGIES TO MATERIAL AND HUMAN CONTEXTS

Room: 16B (ACC)

Time: 9:00 a.m.–11:30 a.m.

Chair: Miriam Kolar

Participants:

- 9:00 Matthias Stöckli—Some More Thoughts on the Study of Prehispanic Soundmakers
- 9:15 Mélanie Ferras—Archaeological Contexts and Social Uses of Pututus in the Prehispanic Central Andes
- 9:30 Daniela Villalva—An Interdisciplinary Proposal for the Study of Sound and Music in Moche Art: The Case of the Afterlife/Underworld Dances (Dance of the Dead)
- 9:45 Mark Howell—Sound as a Ritual Offering: The Underlying Meanings of Mississippian Effigy-Rattling Bowls

- 10:00 James Rees—Searching for the Smoking Drum: The Evidence for the Presence and Ceremonial Importance of Ceramic Vessel Drums in the Prehistoric Southeastern United States
- 10:15 Emily Brown—"They Made Many Tunes": Musical Instruments of the Pueblo Peoples of the Northern Rio Grande Valley
- 10:30 Jamie Arjona—Noise Pollution: Racism, Noise Control, and the Subversive Textures of African American Blues Soundscapes
- 10:45 Jeff Benjamin—In Praise of the Listening Act
- 11:00 Miriam Kolar—Discussant
- 11:15 Questions and Answers

[267] GENERAL SESSION ■ THE ARCHAEOLOGY OF TRADE AND EXCHANGE**Room:** 18D (ACC)**Time:** 9:00 a.m.–11:30 a.m.**Chair:** Jessica Yann**Participants:**

- 9:00 Jessica Yann—Resource Dependency Theory: A New Approach for Examining Trade Relationships
- 9:15 Megan Conger—Beads, Brass, and Jesuits: Quantitative and Qualitative Evidence for World-System Expansion in Northern Iroquoia
- 9:30 Jaron Davidson—Long-Distance Interaction in Viejo Period Casas Grandes
- 9:45 Linda Wheelbarger—Analysis of Ceramics from the Point Pueblo D-Shaped Chacoan Great House, Northwestern New Mexico
- 10:00 Thomas Hester and Michael Glascock—Ongoing Studies of Obsidian from Texas Archeological Sites
- 10:15 Lucha Martínez de Luna and Juan Ignacio Macias Quintero—O'na Tök: A Preclassic Zoque Center in Chiapas, Mexico
- 10:30 German Löffler—The Lurin Valleys' Micro-politics: Ceramic Styles, Their Spatial Clustering, and Their Changing Distribution from the Middle Horizon to the Early Colonial Period
- 10:45 Arianna Garvin, Matthew Sitek, Jade d'Alpoim Guedes, Julianna Santillan Goode and Paul Goldstein—Archaeobotanical Findings from the Tiwanaku Site of Cerro San Antonio, Locumba Valley, Peru
- 11:00 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–Eleventh-Century Japan
- 11:15 Alireza Khounani—Trade as a Social Activity: Eastern Sigillata A and Its Near Eastern Emulation

[268] SYMPOSIUM ■ IN THE FOOTSTEPS OF TORIBIO MEJÍA XESSPE: THE CORRAL REDONDO ARCHAEOLOGICAL PROJECT, PERU**Room:** 11AB (ACC)**Time:** 9:00 a.m.–12:00 p.m.**Chairs:** Danny Zborover and Maria Lozada**Participants:**

- 9:00 Jorge Silva Sifuentes, Victor Paredes Castro, James Quilca and Maria Lozada—La expedición de Toribio Mejía Xesspe en la cuenca del Río Ocoña
- 9:15 Maria Lozada, Danny Zborover, Sylvia Cheever and Erika Simborth—The Excavations at Corral Redondo
- 9:30 Erika Simborth, Hans Barnard and Alex Badillo—The Archaeological Survey and Settlement Pattern of the Ocoña and Chorunga Valleys

- 9:45 Alex Badillo—Integrating UAV Mapping and SfM Photogrammetry into a Regional Pedestrian Survey of the Ocoña and Chorunga River Valleys in Southern Peru
- 10:00 Danny Zborover, Alex Badillo and Willy Huashuayo Chávez—The Petroglyphs of Chillihuay: Context and Meaning
- 10:15 Vanessa Muros, Emily Rezes, Lavina Li and Elena Bowen—Preservation and Conservation Education at the Corral Redondo Archaeological Project
- 10:30 Questions and Answers
- 10:45 Jessica Lévy Contreras—Excavating the Field and Museums: Recovering Data on Textiles from Corral Redondo
- 11:00 Sylvia Cheever—Cranial Modification at the Ocoña-Chorunga River Confluence: Preliminary Insights into the Utility of Modification Data from Looted Contexts in the Ocoña Valley
- 11:15 Abraham Seare—Digital Methods in Archaeology: The Mortuary Patterns of the Ocoña and Chorunga Valleys of Southern Peru and Its Digital Typology
- 11:30 Iris Jacobs and Vanessa Muros—Public Outreach and the Community Museum: Engaging Local Communities in Archaeological Conservation and Research
- 11:45 Justin Jennings—Discussant

[269] GENERAL SESSION ■ LANDSCAPE ARCHAEOLOGY IN THE AMERICAS

Room: 14 (ACC)

Time: 9:45 a.m.–12:00 p.m.

Chair: Timothy Hare

Participants:

- 9:45 Justin Reamer—“A River Runs through It”: Reinterpreting Late Woodland Settlement Patterns in the Upper Delaware Valley
- 10:00 Stanley Berryman—Return to Santee Greens: How the Ethnohistoric Village of Micheagua (SDI-5669) Continues to Inform about the Late Holocene in Southern California
- 10:15 Mark Wagner and Mary McCorvie—The “Place Where No One Ever Goes”: The Landscape Archaeology of the Miller Grove Community
- 10:30 Virginia Arieta Baizabal and Yuribia Velázquez Galindo—El sitio olmeca de Antonio Plaza: la vida entre ríos, humedales y dos capitales
- 10:45 Eunice Villasenor Iribe and Christopher Morehart—Landscape Modification and Agricultural Production on Cerro Ahumada, Mexico
- 11:00 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
- 11:15 Antonieta Rivera—Finding the Common Thread: The Slightly Different Archaeoastronomical Orientations of Tenochtitlan, Tlatelolco, and Tenayuca
- 11:30 Timothy Hare, Marilyn Masson and Bradley Russell—Connecting Ceremonial Groups across the Terminal Classic and Postclassic Constructed Landscapes in the Mayapán Region
- 11:45 Mary Jane Acuña, Carlos Chiriboga, Varinia Matute and Francisco Castañeda—Preclassic Maya Site Engineering and Landscape Evolution: The Role of the Hydraulic and Defensive Earthworks at El Tintal, Petén, Guatemala

[270] GENERAL SESSION ■ ZOOARCHAEOLOGY AND FAUNAL ANALYSIS

Room: 15 (ACC)

Time: 9:45 a.m.–12:00 p.m.

Chair: Kateea Peterson

Participants:

- 9:45 Kateea Peterson, Pamela Pascali, John Dudgeon, Samantha Blatt and Amy Michael—Evaluating the Theoretical and Methodological Bases for Taphonomic Alterations in Biominerals
- 10:00 Ariel Taivalkoski—Puffin Heads and Albatross Limbs: An Examination of Avifaunal Usage from the Rat Islands, Alaska
- 10:15 Molly Herron, Todd Surovell and Madeline Mackie—Identification of Fragmented Mammoth Ivory in Archaeological Sites Using SEM Microscopy
- 10:30 Kimberly Sheets—Using Strontium Isotope Analysis to Connect Ancestral Hopi to the Landscape, Homol’ovi Settlement Cluster, Northeast Arizona
- 10:45 Kailey Martinez—Balance on South Diamond: Using Faunal Analysis to Understand Biodiversity and Resource Use Trends in the Northern Mimbres Region
- 11:00 Amanda Semanko—Prehistoric Dogs of the Southwest
- 11:15 David Wilson—Stable Isotope Analysis of Megafaunal Materials from Paleoindian Sites in the Southeast United States
- 11:30 Asia Alsgaard, Carolyn Freiwald, Stephanie Orsini, Douglas Kennett and Keith Prufer—From Armadillo Scutes to Peccary Skulls: Changing Foraging Efficiency during the Transition to Agriculture in Southern Belize
- 11:45 Fabiana Martin—The Cueva del Milodon Collections Stored at the Natural History Museum, London, United Kingdom

[271] SYMPOSIUM ■ INTERSECTIONS OF AQUATIC ECOSYSTEMS AND HUMAN SOCIETY**Room:** 18B (ACC)**Time:** 10:00 a.m.–12:00 p.m.**Chair:** Jeff Bryant**Participants:**

- 10:00 Scott Fitzpatrick and Christina Giovas—Sociocultural Dynamics of Surf Clam (*Atactodea striata*) Intensification and Fishing Declines at Chelechol Ra Orrak Rockshelter (Palau, Micronesia)
- 10:15 Jeff Bryant and Jeffrey Glover—Comparing Coastal Subsistence and Inland Trade of Marine Fish, Using Otoliths from the Ancient Maya Sites of Mayapán and Vista Alegre
- 10:30 Traci Ardren, Michelle LeFebvre, Victor Thompson, Scott Fitzpatrick and M. Jesse Schneider—Island Aquatic Environments in the Prehistoric Florida Keys
- 10:45 William Pestle, Carmen Laguer-Díaz, M. Jesse Schneider, Megan Carden and Daniel Koski-Karell—The First Man Gets the Oyster, the Second Man Gets the Shell: Assessing Models of Marine-Based Subsistence in Pre-Arawak Southwestern Puerto Rico
- 11:00 Gene Shev and Corinne Hofman—Localized Fishing Traditions at Late Precolonial Sites in Hispaniola and Jamaica
- 11:15 Robert Gustas and Iain McKechnie—Past Kelp Habitats and the Peopling of the Americas
- 11:30 Alexis Ohman—Rations and Recreation: Comparative Analysis of Marine Resources from Betty’s Hope Plantation and Shirley Heights Fort in Antigua, West Indies
- 11:45 Elizabeth Ojeda Rodriguez and Derek Smith—Paleoecological Reconstruction of the Prehispanic Site of Vista Alegre, Quintana Roo, Mexico: An Approach from Zooarchaeology

[272] SYMPOSIUM ■ MATERIALIZING POLITICAL ECOLOGY: LANDSCAPE, POWER, AND INEQUALITY

Room: Ballroom G (ACC)

Time: 10:00 a.m.–12:00 p.m.

Chairs: Kacey Grauer and Sarah Breiter

Participants:

- 10:00 Melissa Baltus—Mediating Powers, Negotiating Inequalities: Ecological Politics at Cahokia
- 10:15 Kathryn Catlin—Political Ecology Materialized in a Medieval Icelandic Landscape
- 10:30 Dil Basanti—Materializing Aksumite: Power Plays in the Location of the Northern Stelae Field (AD 100–400)
- 10:45 Ryan Lash—Cult and Cultivation: Vulnerability and Resilience on Inishark Island, Co. Galway, Ireland, in the Nineteenth Century
- 11:00 Jennifer Bates, Adam Green, Ravindra Singh and Cameron Petrie—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
- 11:15 Sarah Breiter—The Landscape Materialized in Late Medieval Houses
- 11:30 Kacey Grauer—Politicizing Post-humanism: Elite and Commoner Household Excavations at the Ancient Maya City of Aventura, Belize
- 11:45 Steve Kosiba—Discussant

[273] SYMPOSIUM ■ TO MOVE FORWARD WE MUST LOOK BACK: THE SLAVE WRECKS PROJECT AT 10 YEARS

Room: 12A (ACC)

Time: 10:15 a.m.–12:00 p.m.

Chair: Meredith Hardy

Participants:

- 10:15 Meredith Hardy—Engaging the Present by Uncovering the Past: Community Archaeology and the Legacy of Enslavement, Resistance, and Emancipation, St. Croix, U.S. Virgin Islands
- 10:30 Nicole Cannarozzi—The Zooarchaeology of the Christiansted National Historic Site St. Croix, USVI
- 10:45 Michelle Gray—African and Afro-Caribbean Cultural Identity, Vessel Function, and Interisland Connectedness in Eighteenth- through Nineteenth-Century St. Croix, U.S. Virgin Islands
- 11:00 Stephen Lubkemann, Jaco Boshoff, Ricardo Duarte, David Conlin and Paul Gardullo—Toward a Transformative Maritime Archaeology of the Slave Trade: Reflections from the Slave Wrecks Project Research Programs in Mozambique and South Africa
- 11:15 Jaco Boshoff and Stephen Lubkemann—Archaeological Identification, Investigation, and Implications of the Portuguese Slaver Sao Jose Paquette de Africa
- 11:30 Ricardo Duarte and Yolanda Duarte—Mozambican Maritime Landscapes of Slaving and Exchange: New Directions
- 11:45 Pape Laity Diop—Another Form of Slave Ship: Local Nautical Technologies and Practices in the Persistence of the Senegambian Slave Trade (1818–1888)

SAA Awards, Scholarships, and Fellowships

AWARD FOR EXCELLENCE IN ARCHAEOLOGICAL ANALYSIS

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

2001	George L. Cowgill
2002	Robin Torrence
2003	Carol Kramer (<i>posthumous</i>) Hector Neff
2004	David Lewis-Williams
2005	George H. Odell
2006	Michael Brian Schiffer
2007	Robert L. Bettinger
2008	William Andrefsky Jr.
2009	Judith Habicht-Mauche
2010	Timothy A. Kohler
2011	Steven Shackley
2012	James Skibo
2013	Gayle Fritz
2014	Harold Lewis Dibble
2015	Barbara J. Mills
2016	Barbara Voorhies
2017	Steven Kuhn
2018	Joseph W. Ball
2019	Jonathan Mark Kenoyer

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. Naleimale
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

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

- 2008 Kristian Kristiansen & Thomas B. Larsson
Bradley T. Leppe
Tom Dillehay
James W. Bradley
- 2009 Lothar Von Falkenhausen
Jack Brink
- 2010 David W. Anthony
Rebecca Yamin
- 2011 Vernon James Knight Jr.
Steven Simms
- 2012 Matthew Richard Des Lauriers
Terry Hunt
Carl L. Lipo
- 2013 Elizabeth Arkush
Patrick Kirch
- 2014 Michael L. Galaty
Ols Lafe
Wayne E. Lee
Zamir 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)

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

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

CRABTREE AWARD

Established in 1985 to recognize significant contributions to archaeology in the Americas made by an individual who has had little if any formal training in archaeology and little if any wage or salary as an archaeologist. The award is named after Don Crabtree of Twin Falls, Idaho, who made significant contributions to the study of lithic technology and whose dedication to archaeology was a lifelong personal and financial commitment.

- 1985 Clarence H. Webb, MD
- 1987 Leonard W. Blake
- 1988 Julian Dodge Hayden
- 1989 J. B. Sollberger
- 1990 Ben C. McCary

1991	James Pendergast
1992	Stuart W. Conner
1993	Mary Elizabeth Good
1994	Leland W. Patterson
1995	Jeff Carskadden
1996	James H. Word
1997	Sidney Merrick Wheeler (<i>posthumous</i>) & Georgia Nancy Wheeler Felts
1998	Reca Jones
1999	Gene L. Titmus
2000	Richard P. Mason
2001	John D. "Jack" Holland
2002	Richard A. Bice
2003	Dr. Guillermo Mata Amado
2004	Robert Patten
2005	Eugene C. Winter Jr.
2006	Karl Herbert Mayer
2007	Jay C. Blaine
2009	Paul Tanner
2010	Larry Kinsella
2011	George Poetschat
2012	John T. Dowd
2013	Edward and Diane Stasack
2014	Francis H. "Frankie" Snow
2015	Tom Middlebrook
2016	Steven Freers
2017	Daniel Wendt
2018	James Warrnica
2019	Peter Boyle Janine Hernbrode

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 Mayo
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

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

DIJENJE KENYON MEMORIAL FELLOWSHIP

The Dienje Kenyon Memorial Fellowship is presented in support of research by women students in the early stages of their archaeological training. It is presented in honor of Dienje Kenyon and was awarded for the first time in 2000.

2000	Rhonda Bathurst
2001	Briana Pobiner
2002	Elizabeth Espy
2003	Elizabeth Arnold
2004	Jamie Clark
2005	Michelle LeFebvre
2006	Sarah Elizabeth Mistak
2007	Jennifer L. Henecke
2008	Sarah G. Bergh
2009	Kayla L. Pettit
2010	Ashley Sharpe
2011	Carla Hadden

- 2012 Angela R. Perri
- 2013 Shoshana Rosenberg
- 2014 Sarah Raffae MacIntosh
- 2015 Allison L. Wolfe
- 2016 Arianne Boileau
- 2017 Kate Tardio
- 2018 Ashleigh Rogers
- 2019 Weronika Tomczyk

- 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)

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)

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
GEARCHAEOLOGICAL RESEARCH**

Under the auspices of the Society for American Archaeology's Geoarchaeology Interest Group, family, friends, and close associates of Douglas C. Kellogg formed a memorial fund in his honor. The fund will provide support of thesis or dissertation research, with emphasis on the field and/or laboratory parts of this research, for graduate students in the earth sciences and archaeology.

- 2003 Aleksander Borejsza
- 2005 Ian Buvitt
- 2006 Heidi Luchsinger
- 2007 Katherine A. Adelsberger
- 2008 Kurt Rademaker
- 2009 Benjamin R. Vining
- 2011 Teresa Wriston
- 2012 Joe D. Collins Jr.
- 2013 Craig Fertelmes
- 2014 Michael Aiuvalasit
- 2015 Bryn Letham
- 2016 Jennifer Kielhofer
- 2017 Justin Nels Carlson
- 2018 Rachel Cajigas
- 2019 Jacob P. Warner

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 Pitezal
- 2008 Deanna Grimstead
- 2009 Samuel Duwe
- 2010 Matthew Peoples
- 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

**FRYXELL AWARD FOR INTERDISCIPLINARY
RESEARCH**

Initiated in 1977 to specially recognize interdisciplinary excellence by a distinguished scientist, who need not be an archaeologist but whose research has contributed significantly to American archaeology. Each year the award is based on practice in one of five disciplines: earth sciences, physical sciences, general interdisciplinary studies, zoological sciences, and botanical sciences. The

award, which consists of a citation and a medallion, was named in memory of Roald Fryxell, whose career exemplified so well the crucial role of interdisciplinary cooperation in archaeology.

1978	C. Vance Haynes
1979	Peter J. Mehringer
1980	James B. Griffin
1981	Karl W. Butzer
1982	David J. Baerreis
1983	John E. Guilday (<i>posthumous</i>)
1985	Roger T. Saucier
1986	Donald K. Grayson
1987	Richard I. Ford
1988	David M. Hopkins
1989	Joseph B. Lambert
1990	Patty Jo Watson
1991	Paul W. Parmalee
1992	Richard Yarnell
1993	Herbert E. Wright Jr.
1994	Garman Harbottle
1995	Robert J. Braidwood
1996	Elizabeth S. Wing
1997	Vorsila L. Bohrer
1998	John W. Weymouth
1999	Henry P. Schwarcz
2000	Richard S. MacNeish
2001	Melinda A. Zeder
2002	Deborah M. Pearsall
2003	George Rapp
2004	R.E. Taylor
2005	Bruce D. Smith
2006	Oscar Polaco Ramos
2007	Vaughn M. Bryant
2008	Paul Goldberg
2009	Michael D. Glascock
2010	Jane Buikstra
2011	R. Lee Lyman
2012	Christine Hastorf
2013	Anthony Aveni
2014	Marvin W. Rowe
2015	David Hurst Thomas
2016	Elizabeth J. Reitz
2017	Naomi Frances Miller
2018	Vance Terrell Holliday
2019	M. Steven Shackley

GENE S. STUART AWARD

Initiated in 1994 to enhance public understanding of archaeology and given each year for the best newspaper article or series focusing on archaeology. The award is named in honor of Gene Strickland

Stuart, a writer and managing editor of National Geographic Society books who devoted her career to the presentation and interpretation of archaeology in a number of award-winning popular books.

1994	Scott LaFee (<i>San Diego Union-Tribune</i>)
1995	Nathan Seppa (<i>Wisconsin State Journal</i>)
1996	Matt Crenson (<i>Dallas Morning News</i>)
1997	(no award)
1998	Diedtra Henderson (<i>Seattle Times</i>)
1999	William Mullen (<i>Chicago Tribune</i>)
2000	Frank Roylance (<i>Baltimore Sun</i>)
2001	Mike Toner (<i>Atlanta Journal-Constitution</i>)
2002	Chip Minty (<i>Daily Oklahoman</i>)
2004	Alexandra Witze (<i>Dallas Morning News</i>)
2005	Marion Lloyd (<i>Chronicle of Higher Education</i>)
2006	Andrew Petkofsky
2007	Richard L. Hill
2008	Tom Avril (<i>Philadelphia Enquirer</i>)
2009	Andrew Lawler (<i>Science Magazine</i>)
2010	Andrea Cooper (<i>freelance</i>)
2011	Dan Vergano (<i>USA Today</i>)
2012	Mike Toner (<i>American Archaeology</i>)
2013	Julian Smith (<i>American Archaeology</i>)
2014	Ann Gibbons (<i>Science Magazine</i>)
2015	Andrew Lawler (<i>Science Magazine</i>)
2016	Tamara Stewart (<i>American Archaeology</i>)
2017	Elizabeth Svoboda (<i>SAPIENS</i>)
2018	Nicholas St. Fleur (<i>New York Times</i>)
2019	Gayle Keck (<i>American Archaeology</i>)

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 Lumberras Salcedo
- 2014 Luis Alberto Borrero
- 2015 Jeffrey Parsons
- 2016 Robert D. Drennan
- 2018 Maria Victoria Castro Rojas

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

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 Naboia
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

**NATIVE AMERICAN GRADUATE
ARCHAEOLOGY SCHOLARSHIP**

This scholarship supports graduate studies for Native American students, including but not limited to tuition, travel, food, housing, books, supplies, equipment, and childcare (up to \$10,000).

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

**NATIVE AMERICAN UNDERGRADUATE
ARCHAEOLOGY SCHOLARSHIP**

This scholarship supports undergraduate studies for Native American students, including but not limited to tuition, travel, food, housing, books, supplies, equipment, and childcare (up to \$5,000).

- 2010 Vanessa T. Cabrera
- 2011 Garrett W. Briggs
- 2012 Laura Jane Brandon
- 2013 Chi R. Woodrich
- 2014 Anita Fells
- 2015 Grey Don Johnson
- 2016 Jair Boro Munduruku
- 2017 Jamie Stevens
- 2018 Uguku Usdi
- 2019 Aka Bendtsen

PAUL GOLDBERG AWARD

(Formerly the Geoarchaeology Interest Group MA/MS Research Award)

The Paul Goldberg Award provides

support for thesis research, with 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

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
- 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		Promotion and Tenure for
	Linda Manzanilla		Archaeologists in Diverse
	Bruce Smith		Academic Roles
	Fundraising Committee:	2019	Tobi Brimsek
	William Doelle		Deborah Nichols
	Susan Bender		John Douglass
	Cathy Cameron		Gordon Rakita
	John E. Kelly		Jerry Spangler
	Paul Minnis		Tim Kohler
	Linda Pierce		Daniel Sandweiss
	Bruce Rippeteau		Thomas McGovern
	Martha Rolingson		
	Ken Sassaman		
2011	Susan B. Bruning		
	Paul Minnis		
	Jonathan Muller		
2012	Barbara M. Arroyo		
	Tomas Enrique-Mendizabal		
	Archibold		
	Christopher D. Dore	1997	Brian Fagan
	Daniel H. Sandweiss	1998	Jan Coleman-Knight
2013	Susan Kane	1999	Crow Canyon Archaeological Ctr
	Cori Wegener	2000	George Stuart
	Tim Melancon	2001	George Brauer
	Serena Bellew	2002	AnthroNotes
2014	Deborah L. Nichols	2003	Jeanne Moe
	Christopher A. Pool	2004	Patricia Wheat-Stranahan
	Gabriela Uruñuela y Ladrón de	2005	Office of Archaeological Studies
	Guevara		at the Museum of New Mexico
2015	Willem Willems	2006	Richard M. Pettigrew
	Frederich (Fritz) Luëth	2007	The 5th St. Cemetery
	Jane Eva Baxter		Necrogeographical Study
	Brian I. Daniels	2008	Texas Beyond History Website
	Salam al-Kuntar	2009	Center for American
	Anibal Rodriguez		Archaeology
2017	Jeffrey Altschul	2010	Project Archaeology
	Barbara Arroyo	2012	Education Outreach Program of
	Task Force on Gender		the Office of Archaeological
	Disparities in Archaeological		Studies
	Grant Submissions	2014	Abby the ArchaeoBus: Society
	Amity Pueblo Task Force		for Georgia Archaeology
	Task Force		New South Associates
	Task Force on Archaeological		Georgia Transmission
	Survey Data Quality, Durability,		Corporation
	and Use		Georgia State University
	Task Force on Regional	2015	Kansas Archeology Training
	Planning		Program
	Task Force on Valuing	2017	Kristina Killgrove
	Archaeological Resources	2018	Kentucky Archaeological Survey
	Task Force on Professional	2019	Magic Mountain Community
	Archaeologists, Avocational		Archaeology Project
	Archaeologists, and Responsible		
	Artifact Collectors Relationships		
	Task Force on Guidelines for		

AWARD FOR EXCELLENCE IN PUBLIC EDUCATION

Begun in 1997 to recognize institutions or individuals who bring about an improved public understanding and appreciation of anthropology and archaeology.

PUBLIC SERVICE AWARD

Begun in 1983 to recognize the important

contributions of a public figure to the protection and preservation of cultural resources. It is presented regardless of political affiliation to those who have taken a lead or made a major contribution to preserving the past. The awardees have been:

- 1983 Sen. Spark M. Matasanaga
Rep. Donald J. Pease
- 1984 Sen. James A. McClure
- 1985 Speaker James C. Wright Jr.
- 1986 Secretary of the Interior
Donald P. Hodel
- 1987 Rep. John F. Seiberling
- 1988 Rep. Charles E. Bennett
- 1989 Sen. Peter V. Domenici
- 1990 Rep. Morris K. Udall
- 1991 Secretary of the Interior
Manuel Lujan Jr.
- 1992 The Archaeological
Conservancy
- 1993 Constance Werner Ramirez
- 1994 James Beck
Deborah Daniels
Jeffrey Kent
Larry Mackey
Scott Newman
- 1995 Grand Canyon Trust
- 1996 Rep. Bill Richardson
- 1997 Rep. Phil English
- 1998 Loretta F. Neumann
- 1999 Secretary of the Interior
Bruce Babbitt
- 2000 Wayne Dance
- 2003 Representative Leonard Boswell
- 2004 Paula Desio
- 2005 Sen. Jeff Bingaman
- 2008 Arc of Appalachia Preserve
System, Archaeological
Conservancy, Wilderness East,
and the Ross County Parks
Department
- 2015 Glenn Morgan
Arlene Fleming
Jonathan Renshaw
Elsa Chang
- 2017 Abdel Kader Haidara
Fatou Bensouda
- 2018 Supervisory Special Agent
Timothy Carpenter and the FBI
Art Crime Team

Initiated in 2000, this award is designed to recognize the best student research paper presented at the Annual Meeting. All student members of SAA are eligible to participate. The awardees have been:

- 2000 Nathan S. Lowrey (with
Thomas C. Pleger)
- 2002 Christopher Morehart
- 2003 Devin Alan White
- 2004 Briana L. Pobiner &
David R. Braun
- 2005 Elizabeth Horton &
Christina B. Rieth
- 2006 Metin I. Eren &
Mary E. Prendergast
- 2007 Scott Ortman
- 2009 Michael Mathiowetz
- 2010 John M. Marston
- 2011 Melanie Beasley
Jack Meyer
Eric J. Bartelink
Randy Miller
- 2012 Sean B. Dunham
- 2013 Bryn Letham
David Bilton
- 2014 G. Logan Miller
- 2015 Catrine Jarman
- 2016 Natalie Mueller
- 2017 Jacob Lulewicz
- 2018 Michelle Bebber & Mike Wilson
- 2019 Meagan E. Dennison

STUDENT PAPER AWARD

Presidents of SAA

A. C. Parker	1935–1936
Diamond Jeness	1936–1937
A. V. Kidder	1937–1938
Edgar B. Howard	1938–1939
Neil Judd	1939–1940
W. C. McKern	1940–1941
Glenn Black	1941–1942
Nels C. Nelson	1942–1943
Emil W. Haury	1943–1944
J. Alden Mason	1944–1945
Carl E. Guthe	1945–1946
Frederick Johnson	1946–1947
Douglas S. Byers	1947–1948
Waldo R. Wedel	1948–1949
J. O. Brew	1949–1950
Frank Roberts Jr.	1950–1951
James B. Griffin	1951–1952
Irving Rouse	1952–1953
Gordon F. Ekholm	1953–1954
Robert Wauchope	1954–1955
W. Duncan Strong	1955–1956
William A. Ritchie	1956–1957
George I. Quimby Jr.	1957–1958
Richard B. Woodbury	1958–1959
Jesse D. Jennings	1959–1960
Erik K. Reed	1960–1961
Junius Bird	1961–1962
David A. Baerreis	1962–1963
James A. Ford	1963–1964
Albert C. Spaulding	1964–1965
Paul S. Martin	1965–1966
Joe B. Wheat	1966–1967
Gordon R. Willey	1967–1968
H. Marie Wormington	1968–1969
Ignacio Bernal	1969–1970
Robert Lister	1970–1971
Richard S. MacNeish	1971–1972
Charles C. Di Peso	1972–1973
Douglas W. Schwartz	1973–1974
Charles R. McGimsey III	1974–1975
Stuart Struever	1975–1976
Raymond H. Thompson	1976–1977
Cynthia Irwin-Williams	1977–1979
Fred Wendorf	1979–1981
Richard E. W. Adams	1981–1983
George C. Frison	1983–1985
Don Fowler	1985–1987
Dena Dincauze	1987–1989
Jeremy A. Sabloff	1989–1991
Prudence Rice	1991–1993
Bruce D. Smith	1993–1995
William D. Lipe	1995–1997

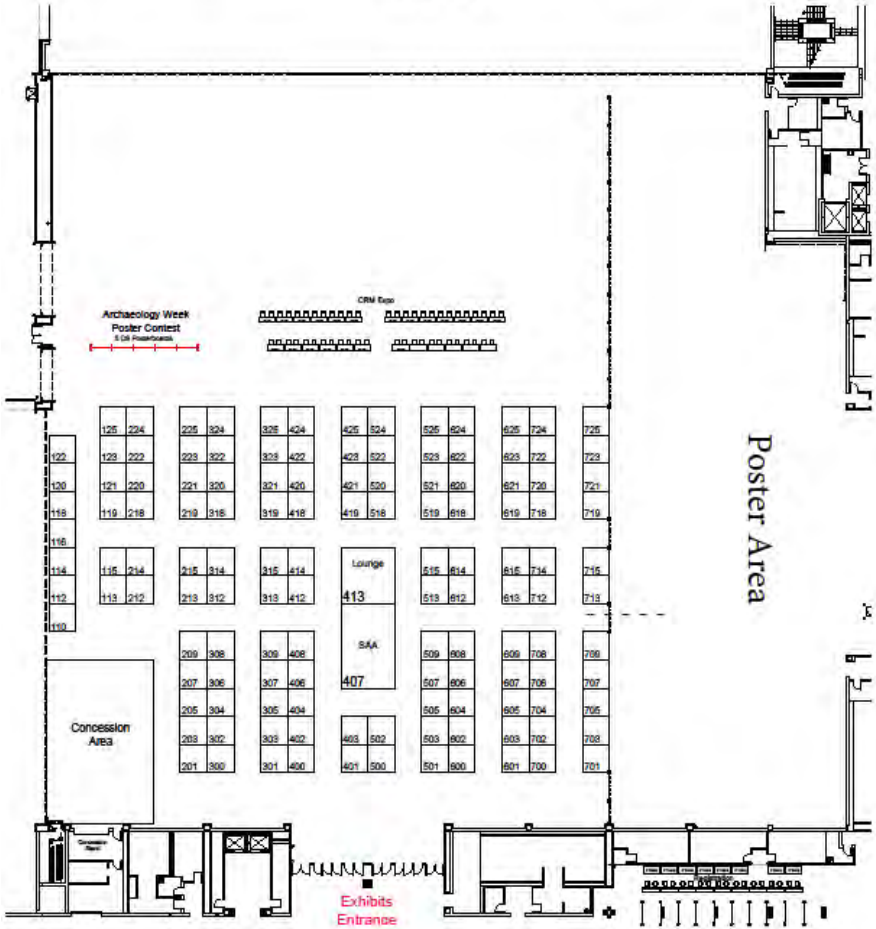
Vincas P. Steponaitis	1997–1999
Keith W. Kintigh	1999–2001
Robert L. Kelly	2001–2003
Lynne Sebastian	2003–2005
Kenneth M. Ames	2005–2007
Dean R. Snow	2007–2009
Margaret W. Conkey	2009–2011
W. Frederick Limp	2011–2013
Jeffrey H. Altschul	2013–2015
Diane Gifford-Gonzalez	2015–2017
Susan M. Chandler	2017–2019
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
14th	Bloomington, IN May 1949
15th	Norman, OK May 1950
16th	Evanston, IL May 1951
17th	Columbus, OH May 1952
18th	Urbana, IL May 1953
19th	Albany, NY May 1954
20th	Bloomington, IN May 1955
21st	Lincoln, NE May 1956
22nd	Madison, WI May 1957
23rd	Norman, OK May 1958
24th	Salt Lake City, UT May 1959
25th	New Haven, CT May 1960
26th	Columbus, OH May 1961
27th	Tucson, AZ May 1962
28th	Boulder, CO May 1963
29th	Chapel Hill, NC May 1964
30th	Urbana, IL May 1965
31st	Reno, NV May 1966
32nd	Ann Arbor, MI May 1967

33rd	Santa Fe, NM May 1968	59th	Anaheim, CA April 1994
34th	Milwaukee, WI May 1969	60th	Minneapolis, MN May 1995
35th	Mexico City, Mexico May 1970	61st	New Orleans, LA April 1996
36th	Norman, OK May 1971	62nd	Nashville, TN April 1997
37th	Bal Harbour, FL May 1972	63rd	Seattle, WA March 1998
38th	San Francisco, CA May 1973	64th	Chicago, IL March 1999
39th	Washington, DC May 1974	65th	Philadelphia, PA April 2000
40th	Dallas, TX May 1975	66th	New Orleans, LA April 2001
41st	St. Louis, MO May 1976	67th	Denver, CO March 2002
42nd	New Orleans, LA April 1977	68th	Milwaukee, WI April 2003
43rd	Tucson, AZ May 1978	69th	Montreal, QC Mar-Apr 2004
44th	Vancouver, Canada April 1979	70th	Salt Lake City, UT Mar-Apr 2005
45th	Philadelphia, PA May 1980	71st	San Juan, PR April 2006
46th	San Diego, CA April-May 1981	72nd	Austin, TX April 2007
47th	Minneapolis, MN April 1982	73rd	Vancouver, BC March 2008
48th	Pittsburgh, PA April 1983	74th	Atlanta, GA April 2009
49th	Portland, OR April 1984	75th	St. Louis, MO April 2010
50th	Denver, CO May 1985	76th	Sacramento, CA Mar-Apr 2011
51st	New Orleans, LA April 1986	77th	Memphis, TN April 2012
52nd	Toronto, ON May 1987	78th	Honolulu, HI April 2013
53rd	Phoenix, AZ April 1988	79th	Austin, TX April 2014
54th	Atlanta, GA April 1989	80th	San Francisco, CA April 2015
55th	Las Vegas, NV April 1990	81st	Orlando, FL April 2016
56th	New Orleans, LA April 1991	82nd	Vancouver, BC Mar-Apr 2017
57th	Pittsburgh, PA April 1992	83rd	Washington, DC April 2018
58th	St. Louis, MO April 1993	84th	Albuquerque, NM April 2019

SAA Annual Meeting
April 23 - 25, 2020
Austin Convention Center - Exhibition Hall 4 - Level 1
Austin, TX



Exhibitor Directory

American Cultural Resources Association
2101 L Street NW, Suite 800
Washington DC 20037
United States
#515

<http://www.acra-crm.org>

As the national trade association supporting and promoting the CRM industry, ACRA represents firms of all sizes, types, and specialties.

American Rock Art Research Association
201 West Soloman Lane
Midland TX 79705-3032
United States
#625

<http://www.arara.org>

American Rock Art Research Association is a non-profit organization dedicated to encouraging and to advancing research in the field of rock art.

Antiquity
Durham University
Durham DH1 3LE
United Kingdom
#315

<http://www.antiquity.ac.uk/>

Sample journal copies, information flyers regarding access to the journal. Free branded material.

Archaeological and Forensic Sciences, University of Bradford
School of Archaeological and Forensic Science, Richmond Building
Bradford West Yorkshire BD7 1DP
United Kingdom
#714

<https://www.bradford.ac.uk/life-sciences/arch-sci/>

Find out about our Masters courses and research opportunities in the UK, including: MA Archaeology and Identity; MSc Landscape Archaeology and Digital Heritage; MSc Archaeological Science; MSc Human Osteology and Palaeopathology and MSc Forensic Archaeology and Crime Scene Investigation.

The Archaeological Conservancy
1717 Girard Blvd. NE
Albuquerque NM 87112
United States
#320

<http://www.archaeologicalconservancy.org>

The Archaeological Conservancy is the only national nonprofit organization that preserves archaeological sites. The Conservancy also publishes *American Archaeology Magazine*.

Archaeological Institute of America
44 Beacon St.
Boston MA 02108-3614
United States
#408

<http://www.archaeological.org>

North America's oldest and largest archaeological organization. The AIA works to create an informed public interest in the cultures and civilizations of the past, supports archaeological research and publication, promotes community based outreach, and advocates for the preservation of archaeological heritage.

Arkansas Archeological Survey
2475 N Hatch Avenue
Fayetteville AR 72704-5590
United States
#215

<https://archeology.uark.edu>

Arkansas Archeological Survey books for sale; brochures and information about our organization, programs, websites, etc.; graduate student recruitment information for the University of Arkansas.

Aspen CRM Solutions
6 Herrada Way
Santa Fe NM 87508
United States
#719

www.aspencrm.com

The photogrammetry division of Aspen CRM Solutions provides aerial mapping and orthomosaics; 3D modeling of archaeological sites, buildings, and landforms; volume calculations of mounds, detailed contour maps; and aerial video footage.

Atlas Preservation
122 Spring Street Bl
Southington CT 06489
United States
#709 and 707

<http://www.atlaspreservation.com>

Unique imported shovels, trowels and digging tools. High quality wooden screens. Measuring, surveying, conservation, and building restoration supplies.

Balkan Heritage Field School
7 Tulovo St
Fllor 5, Apt 7
Sofia 1504
Bulgaria
#507

<https://www.bhfieldschool.org>

Fifteen field school programs in archaeology and conservation related to diverse sites, artifacts and topics from Prehistory, Graeco-Roman Antiquity, Middle Ages and Modern period in five countries.

BAR Publishing
122 Banbury Road
Oxford OX2 7BP
United Kingdom
#715

<http://www.barpublishing.com>

BAR Publishing is the world's leading publisher of academic archaeology. Over 40+ years we have built an international reputation for publishing a spectrum of data-rich specialist archaeological research. Now, over 3,400 titles in five languages are available and we publish over 100 new titles each year.

Berghahn Books
20 Jay Street, #512
Brooklyn NY 11201
United States
#608

<http://www.berghahnbooks.com>

Berghahn Books is a publisher of scholarly books and academic journals in the humanities and social studies, with a special focus on social and cultural anthropology, European history, politics, and film and media studies.

Beta Analytic Inc.
4985 SW 74th Court
Miami FL 33155-4471
United States
#400

<https://www.radiocarbon.com/>

ISO 17025-accredited Beta Analytic is a dedicated radiocarbon dating (AMS) laboratory with standard turnaround time of 14 business days. All analyses are performed in-house; BETA does not engage in satellite dating. Results are accessible 24/7 via web and mobile access. Respected worldwide for accuracy, high quality, and customer care.

Beyond the Road
125 E. 11th Street
Austin TX 78701
United States
#425

<https://www.txdot.gov>

Go Beyond the Road with the Texas Department of Transportation and learn how building roads across Texas leads to archeological and history discoveries. Come visit our booth to receive primary sources on transportation history and learn how to partner with us to tell a story as big as Texas.

Bone Boss Tools
1131 Williams Street
Columbia SC 29201
United States
#300

<http://www.bonebosstools.com>

Bone Boss tools are designed for excavation of fragile materials. These tools are crafted from selected hardwoods and shaped to specialized forms that allows the excavator to maintain fingertip control in a variety of situations. Check them out in Booth 300!

Bruker Nano Inc.
415 N. Quay Street
Kennewick WA 99336-7783
United States
#519 & 521

<http://www.bruker.com>

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<http://www.plainsanthropologicalsociety.org>

Booth will include informational materials about the Plains Anthropological Society, as well as copies of the peer-reviewed

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Project Archaeology
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Society for Historical Archaeology
13017 Wisteria Dr. #395
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#221

<http://www.sha.org>

The Society for Historical Archaeology is the largest scholarly group concerned with the archaeology of the modern world (AD 1400–present). SHA promotes scholarly research and dissemination of knowledge concerning historical archaeology and is specifically concerned with the

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Index of Participants

- Abdolazadeh, Aylar [36]
 Abdullayev, Rahman [111]
 Abell-Selby, Emma [214]
 Ables, Dayna [88]
 Abraham, Shinu [249]
 Abramovich, Lucía [109]
 Abrego, Alejandra [79], [147]
 Acabado, Stephen [239]
 Acebo, Nathan [27]
 Aceituno, Javier [198]
 Acevedo, Natalia [246]
 Acuña, Mary Jane [269]
 Adam, Manda [53], [206]
 Adams, Alisha [199]
 Adams, Aron [229]
 Adams, Christopher [122]
 Adams, Jake [253]
 Adams, Jennifer [252]
 Adams, Jonathan [161]
 Adams, Karen [235]
 Adams, Kenneth [198]
 Adams, Megan [197]
 Adams, Sophia [135]
 Adeyemo, Elizabeth [216]
 Adler, Michael [148]
 Adovasio, J. M. [170], [222]
 Agenten, Courtney [193]
 Agnew, Neville [111]
 Agostini, Mark [120]
 Agurcia Fasquelle, Ricardo [130]
 Ahern, Kaitiin [189]
 Ahlman, Todd [215]
 Ahlquist, Tia [185]
 Ahlstedt, Steve [78]
 Ahlstrom, Richard [229]
- Ahrens, Birte [62]
 Aimers, Jim [93]
 Ainsworth, Caitlin [129]
 Aiuvalasit, Michael [171], [220]
 Akens, Jamie [85]
 Akoshima, Kaoru [162]
 Alaica, Aleksa [61], [86], [106]
 Alamseged, Zeresenay [55]
 Alaniz, Alfred [16]
 Alarcón Tinajero, Edgar [119]
 Alberg, David [231]
 Albert, Katherine [112]
 Albert, Rebecca [235]
 Albrecht, Kendal [180]
 Alconini, Sonia [61], [224]
 Alcover, Omar [128], [202], [265]
 Alday, Camila [74]
 Aldenderfer, Mark [233], [252]
 Alex, Thomas [164]
 Alexander, Rani [138]
 Alfonso-Durruty, Marta [61], [119], [243]
 Ali, Abdallah [216]
 Allard, Francis [28]
 Allaun, Sarah [180]
 Allen, Bryan [230]
 Allen, Christian [239]
 Allen, Julie [27]
 Allen, Mitchell [205]
 Allen, Susan [255]
 Allen, Zach [8]
 Almeida, Ana [108]
 Almer, Calista [176]
 Alonso, Alejandra [20]
 Alonzi, Elise [134]
 Alsgaard, Asia [270]
 Altschul, Jeffrey [58], [115], [207]
 Alvarado, Jazmin [121]
 Alvarez, Elliot [104]
 Amaral, Márcio [161]
- Amati, Anne [184]
 Ambler, Bridget [92]
 Ambrosino, Gordon [60]
 Ambrosio, Arianna [178]
 Amend, Tessa [52]
 Ames, Christine [193]
 Ames, Christopher [11], [140]
 Ames, Nicholas [134]
 Anaya Hernández, Armando [178]
 Ancona Aragón, Iliana [128]
 Anderson, Amy [15], [80]
 Anderson, Atholl [100]
 Anderson, C. Broughton [259]
 Anderson, Cheryl [131]
 Anderson, David [59], [183]
 Anderson, Derek [180]
 Anderson, J. Heath [150]
 Anderson, Jen [186]
 Anderson, Jennifer [37]
 Anderson, Ridge [147]
 Anderson, Ryan [135]
 Andrade Pérez, Axel [145]
 André, Lino [34]
 Andrefsky, William [253]
 Andrews, Bradford [133]
 Andrieu, Chloé [93], [151]
 Andrus, C. Fred [59], [237]
 Angelucci, Diego [162]
 Anico, Eddie [113]
 Anja, Behrens [107]
 Anthony, Alexander [192]
 Anzellini, Armando [167]

- Aoyama, Kazuo [93],
 [265]
 Aprile, Jamie [51]
 Aquino, Daniel [166]
 Arakawa, Fumi [122],
 [136]
 Aramayo, Alejandra [4]
 Araujo, Astolfo [73],
 [232]
 Arazi-Coombs, Sandra
 [148], [239]
 Archambeault, Marie
 [113]
 Ard, Vincent [107]
 Ardelean, Ciprian [73],
 [170]
 Arden, Traci [5], [59],
 [93], [102], [164],
 [271]
 Areche, Rodrigo [21]
 Arias, Oscar [257]
 Arias, Veronica [248]
 Arieta Baizabal,
 Virginia [227], [269]
 Arjona, Jamie [266]
 Arksey, Marieka [172],
 [193]
 Arkush, Elizabeth [32],
 [265]
 Armijo Torres, Ricardo
 [126]
 Armstrong, Douglas
 [239]
 Arnauld, M. Charlotte
 [102], [178]
 Arnold, Phillip [150]
 Arnott, Sigrid [127]
 Arp, Ryan [229]
 Arroyo, Barbara [128],
 [209]
 Arthur, John [86]
 Arzate, Mayra [150]
 Asher, Brendon [77]
 Astrup, Peter Moe
 [252]
 Athanassopoulos, Effie
 [192]
 Atici, Levent [27]
 Attorre, Tiago [28]
 Audin, Laurence [197]
 Augustine, Jonah [105]
 Augustinus, Paul [124]
 Auld-Thomas, Luke
 [102], [128]
- Aurore, Val [11]
 Ausel, Erica [134]
 Austin, Rita [242]
 Austin, Robert [130]
 Austvoll, Knut Ivar
 [263]
 Awe, Jaime [23], [93],
 [130], [158], [168],
 [178], [230], [232]
 Axelrod, Ella [188]
 Axume, Denise [176]
 Ayala, Sergio [73]
 Ayalla, Gianna [24]
 Ayers-Rigsby, Sara
 [146], [193], [220],
 [257]
 Ayling, Melissa [86]
 Azar, Madelaine [166]
 Aziz, Umer [63]
 Babot, Pilar [174]
 Bacha-Garza, Roseann
 [6]
 Baci, Erina [263]
 Bader, Gregor [11]
 Badillo, Alex [167],
 [189], [268]
 Badillo, Melissa [150]
 Bagdi, Stacey [192]
 Bagwell, Elizabeth
 [121]
 Bailey, Geoff [252]
 Bailey, Shara [11]
 Bainton, Nick [188]
 Bair, Daniel [163]
 Baires, Sarah [70]
 Baitzel, Sarah [61],
 [242]
 Bajdek, Brennan [194]
 Baker, Caitlin [148]
 Baker, Lori [51]
 Baker, Sheldon [149],
 [165]
 Bakke, Gwen [22],
 [119]
 Balanzario Granados,
 Sandra [223]
 Balcarcel, AnaBeatriz
 [163]
 Balco, William [169],
 [254]
 Baldwin, Dennis [206]
 Balée, William [161]
 Balicki, Joseph [132]
 Ball, Christopher [231]
- Ball, Joseph [126]
 Ball, Kaitlyn [80]
 Ballenger, Jesse [103]
 Balsanelli, Alice [127]
 Baltus, Melissa [70],
 [272]
 Bandy, Matthew [175]
 Banks, Kimball [154]
 Banks, William [24]
 Bankuti, Natalie [164]
 Banning, Edward [55]
 Bao, Qingchuan [199]
 Baquedano, Elizabeth
 [225]
 Barba, Luis [20], [133]
 Barbel, Héloïse [50]
 Barber, Sarah [189]
 Barciela, Virginia [25]
 Bardolph, Dana [1],
 [72], [211]
 Barker, Graeme [171]
 Barket, Theresa [199]
 Barkwill Love, Lori
 [122], [135]
 Barland-Liles, David
 [49]
 Barlow, Robert [198]
 Barnard, Hans [240],
 [252], [268]
 Barnett, Kay [149]
 Barnett Tankersley,
 Kenneth [63]
 Bar-Oz, Guy [159]
 Barrera, Jimmy [256]
 Barrett, Sophia [35]
 Barrientos Q., Tomás
 [223]
 Barron, Aleese [235]
 Barry, Patrick [9]
 Barth, Nicolas [102]
 Barton, Loukas [236]
 Barton, Michael [226]
 Barzilai, Rebecca [264]
 Basanti, Dil [272]
 Bassett, Christine [237]
 Bastante Abuhadba,
 José [197]
 Bateman, Mark [194]
 Bates, Brian [228]
 Bates, Jennifer [272]
 Battillo, Jenna [66]
 Batún Alpuche, Adolfo
 [57]
 Bauer, Andrew [124]

- Bauer, Kimberly [133]
 Bauman, Natalie [37]
 Baumann, Laura [137]
 Baumann, Tim [78]
 Baustian, Kathryn [35], [131]
 Baxter, Carey [256]
 Baxter, Erin [156]
 Bayarsaikhan, Jamsranjav [62]
 Bayman, James [255]
 Bazán Pérez, Augusto [197]
 Beach, Sonya [193]
 Beach, Timothy [8], [14], [59], [90], [206], [219], [230]
 Beamer, Dawn [59]
 Beardsley, Michael [190]
 Beaudoin, Alwynne [103]
 Becerra-Valdivia, Lorena [68]
 Beck, Charlotte [253]
 Beck, Jess [35]
 Beck, Margaret [35]
 Becker, Hilary [234]
 Becker, Janee [213]
 Beckham, Christopher [83]
 Beggen, Ian [67]
 Begley, Chris [77]
 Behm, Jeffrey [82]
 Behrens, Anja [107]
 Belardi, Juan [67]
 Belcher, Megan [78]
 Belcher, William [188]
 Beliaev, Dmitri [130], [223]
 Belisle, Veronique [61]
 Bellia, Angela [25]
 Bello, Charles [97], [154]
 Belmar, Carolina [61], [74], [177]
 Beltrán, Boris [138]
 Bement, Leland [25], [68]
 Benavente Escóbar, Carlos [197]
 Bendtsen, Aká [50]
 Benedetti, Michael [36]
 Benedict, Laura [76]
 Benfer, Bob [194]
 Benítez de Lugo, Luis [35]
 Benjamin, Jeff [266]
 Benjamin, Jonathan [18], [238], [252]
 Bennett, Ryan [205]
 Benney Basque, Yvonne [190]
 Benson, Wyatt [148]
 Bentley, Heath [239]
 Bentley, Nicholas [8]
 Benzonelli, Agnese [42]
 Beramendi-Orosco, Laura [10]
 Berger, Uri [60]
 Bergh, Sue [258]
 Bergin, Sean [77], [226]
 Bergman, Stephanie [9]
 Bergmann, Christine [203]
 Berikashvili, David [192]
 Berkebile, Jean [235], [255]
 Berman, Mary Jane [59], [252]
 Berna, Francesco [263]
 Bernard, Henri [191]
 Bernardini, Wesley [98]
 Berner, Jack [148]
 Bernstetter, Jessica [159]
 Berquist, Stephen [106]
 Berry, Miranda [37]
 Berry, Nora [243]
 Berryman, Judy [122]
 Berryman, Stanley [269]
 Berube, Eloi [211]
 Berumen, Sara [35]
 Betancur, Sebastián [246]
 Bethard, Jonathan [169]
 Bethke, Brandi [119]
 Bettencourt, Luis [26]
 Betti, Lia [159]
 Bettinger, Robert [253]
 Betts, Colin [63]
 Bevan, Andrew [42], [48]
 Bews, Elizabeth [169]
 Bey, Bridget [169]
 Bey, George [158]
 Beyin, Amanuel [36]
 Bianchi, Pablo [233]
 Bibby, David [24]
 Bicho, Nuno [11], [34], [250]
 Bielenberg, Aliosha [50]
 Biggie, Michael [178]
 Biggs, Jack [240]
 Billadello, Janine [233]
 Billeck, William [203]
 Billman, Brian [174]
 Binetti, Katie [8]
 Bingham, Dayle [66]
 Binning, Jeanne [232]
 Birch, Jennifer [12]
 Bird, Darcy [26], [229]
 Bird, Douglas [15], [117]
 Birge, Adam [200], [224]
 Birkett, Courtney [9]
 Birkmann, Joseph [148]
 Birtell, Tabitha [260]
 Bischoff, Robert [17]
 Bishop, Anna [130], [206]
 Bishop, Katelyn [98], [129]
 Bishop, Ronald [128], [168], [237]
 Bisulca, Christina [258]
 Biwer, Matthew [61], [86]
 Blaber, Thomas [119]
 Black, Reece [215]
 Black, Stephen [40]
 Black, Valda [224]
 Blackman, David [242]
 Blackwood, Emily [194]
 Blair, Elliot [29]
 Blakeslee, Donald [6]
 Blancas, Jorge [133]
 Blanck, Allyson [228]
 Blanke, Kimberly [187]
 Blatt, Samantha [76], [153], [240], [270]
 Blecha, Erika [16]

- Blessing, Matthias [162]
- Bliege Bird, Rebecca [15]
- Blija, Hannah [229]
- Blitz, John [54]
- Bloch, Lindsay [196]
- Blohm, Tre [244]
- Blom, Deborah [61]
- Blomster, Jeffrey [39], [189], [211], [235]
- Blumenfeld, Dean [7]
- Boal, Zachary [36]
- Bocinsky, Kyle [125], [171], [229]
- Bocko, Grace [167]
- Boehm, Andrew [75]
- Boger, Rebecca [252]
- Boileau, Arianne [27], [178]
- Boisvert, Richard [66], [170]
- Boles, Steve [166]
- Bolnick, Deborah [169]
- Bomkamp, Samantha [120], [229]
- Bonacini, Elisa [104]
- Bond, Stanley [160]
- Bond Reis, Lucas [4]
- Bondura, Valerie [91]
- Bongers, Jacob [21], [174]
- Bongiovanni, Rosie [169]
- Bonine, Mindy [176], [194]
- Bonthorne, Emma [240]
- Bonzani, Renee [254]
- Book, Bianca [66]
- Boomgarden, Shannon [245]
- Boot, Elena [211]
- Borck, Lewis [70]
- Bord, Arik [146]
- Boren, Roger [16]
- Borgens, Amy [18]
- Boric, Dusan [135]
- Borreggine, Marisa [162]
- Borrero, Luis [119]
- Borrero, Mario [130], [197]
- Borzic, Igor [85]
- Boshoff, Jaco [273]
- Boss, Olivia [38]
- Bossio, Laura [176]
- Bostwick, Todd [71]
- Boudreaux, Edmond [202]
- Boudreaux, Tony [202]
- Boulanger, Matthew [30], [55]
- Boulotis, Christos [196]
- Bousman, Britt [19], [162], [170]
- Bovy, Kristine [129]
- Bow, Sierra [60]
- Bowden, Taylor [76], [215]
- Bowen, Corey [160]
- Bowen, Elena [268]
- Bowers, Jordan [108]
- Bowman, R. Doyle [193]
- Bowman, Robert [202]
- Boyadzhiev, Kamen [85]
- Boyd, Carolyn [16]
- Boyd, Douglas [192]
- Boyd (Starks), Jessica [190]
- Boyle, Peter [25]
- Bracamonte Lévano, Edgar [106]
- Bracken, Justin [265]
- Bradley, Benjamin [254]
- Bradley, Bruce [170]
- Bradley, Cynthia [73]
- Bradley, Erica [66]
- Bradley, Kevin [187]
- Brady, James [137], [168]
- Brady, Ryan [236]
- Brady, Scott [13]
- Brandon, Alan [19]
- Brandt, Steven [171]
- Brannan, Stefan [132]
- Braswell, Geoffrey [72], [130], [197]
- Bray, Tamara [61]
- Breault, Sarah [39]
- Breiter, Sarah [272]
- Brennan, Michael [53]
- Brenner Coltrain, Joan [15]
- Breslawski, Ryan [55]
- Brewer, Jeffrey [20]
- Bria, Rebecca [174]
- Bridgman Sweeney, Kara [259]
- Briggs, Emily [159]
- Bright, Lisa [153]
- Brighton, Nancy [132]
- Britt, Krystal [79]
- Britt, Tad [9]
- Brochado De Almeida, Pedro [108]
- Brock, Amanda [57]
- Brodbeck, Mark [142]
- Broderick, Lee [62]
- Brody, Rachel [56]
- Brook, George [198]
- Brooks, Allyson [116]
- Brooks, Lauren [56], [165]
- Brotherson, David [28]
- Brouwer Burg, Marieka [14]
- Brown, Alexander [231]
- Brown, Clifford [126]
- Brown, David [201]
- Brown, Emily [266]
- Brown, Erin [214]
- Brown, James [8], [47]
- Brown, Jordan [140]
- Brown, Kaitlin [239]
- Brown, Kelly [187]
- Brown, Kenneth [40]
- Brown, Linda [127]
- Brown, M. Kathryn [158], [185]
- Brown, Mary [60]
- Brown, Matthew [61]
- Brown, Robert [104]
- Brown Reid, Rachel [171]
- Browne, Cameron [175]
- Brunelle, Andrea [66]
- Bruniaux, Guillaume [107]
- Bruno, Maria [59], [88]
- Brunso, Karen [49]
- Bruwelheide, Karin [173]
- Bryant, Jeff [271]
- Bryant, Paula [160], [213]
- Bryce, Joseph [148]

- Bryce, William [69],
 [229]
 Bryne, Stephen [252]
 Buchanan, Briggs [17],
 [26], [232], [236]
 Buchanan, Meghan
 [70]
 Buck, Caitlin [24], [135]
 Buckley, Hallie [62]
 Buckley, Michael [120],
 [212], [244]
 Budar, Lourdes [227]
 Buehlman-Barbeau,
 Savanna [243]
 Buenger, Brent [62]
 Buffington, Abigail
 [125]
 Buikstra, Jane [169],
 [260], [264]
 Bukhchuluun,
 Dashzeveg [62]
 Buller, Justin [132]
 Bullion, Elissa [261]
 Bunce, Michael [19]
 Buonasera, Tammy
 [83]
 Burentogtokh, Ja [62]
 Burger, Rachel [129]
 Burger, Richard [174],
 [182]
 Burgio-Ericson, Klinton
 [165]
 Burham, Melissa [128]
 Burke, Adam [30]
 Burkett, Kenneth [60]
 Burks, Jarrod [176],
 [188]
 Burnell, Taylor [258]
 Burnett, Paul [77]
 Burningham, Quintessa
 [204]
 Burns, David [158]
 Burns, Gregory [15]
 Burns, Samuel [195]
 Burr, Margaret [110]
 Burtenshaw, Julia [109]
 Burt, Amanda [22]
 Burt, Patrick
 "De?ileligi" [97]
 Busby, Ashley [16]
 Bush, Dominic [221]
 Butler, Joel [198]
 Butler, Michelle [133]
 Butler, Raelynn [113]
- Butler, Virginia [129]
 Butrón Cruz, Miguel
 Ángel [144]
 Buvit, Ian [140]
 Buxeda i Garrigós,
 Jaume [196]
 Cabadas, Horacio [38]
 Cabana, Graciela [169]
 Cabanes, Dan [162]
 Cable, Charlotte [59],
 [185]
 Cadena, Pete [77]
 Cagney, Erin [187]
 Cajigas, Rachel [140]
 Calabrese, Agata [25]
 Caldarelli, Solange
 [161]
 Cali, Denise [104]
 Calla Maldonado,
 Sergio [4]
 Callaghan, Michael [5],
 [39], [54]
 Calongos Curotto,
 Manuel [105]
 Camacho, Frank [100]
 Cambranes, Rafael
 [206]
 Cameron, Asa [62]
 Cameron, Catherine
 [131]
 Campagnolo, Leticia
 [196]
 Campbell, Rod [210]
 Campbell, Sarah [129]
 Campbell, Stuart [120]
 Campbell, Wade [41]
 Campetti, Casey [114]
 Campiani, Arianna
 [197]
 Campos, Cinthia [79],
 [147]
 Cancho Ruiz, Christian
 [21]
 Canillao, Michael [188]
 Cannarozzi, Nicole
 [273]
 Cannavò, Valentina
 [196]
 Cannon, Joshua [254]
 Cannon, Molly [203]
 Canouts, Veletta [168]
 Canterbury, Jacob [53],
 [233]
- Canuto, Marcello [102],
 [130], [209], [223]
 Cap, Bernadette [54],
 [155], [178], [185]
 Capriata, Camila [224]
 Capriles, José [4], [26],
 [59]
 Caramanica, Ari [125]
 Carbajal Salazar,
 Barbara [242]
 Carballo, David [150],
 [242]
 Carballo, Priscila [176]
 Carballo Marina, Flavia
 [67]
 Carbaugh, Aimée [160]
 Carbone, Catherine
 [214]
 Card, Anne-Marie [77]
 Carden, Megan [271]
 Cardona, David [104]
 Carleton, Chris [82]
 Carleton, William [238]
 Carline, Kristin [243]
 Carlson, Meredith [83]
 Carlucci, Eric [241]
 Carmean, Kelli [254]
 Carmichael, Patrick [21]
 Carmody, Stephen [63],
 [211], [215]
 Carpenter, Elsa [5]
 Carpenter, John [79]
 Carpenter, Lacey [35],
 [150]
 Carpenter, Michelle [179],
 [240]
 Carpenter, Steve [176],
 [194]
 Carr, Christopher [20], [63],
 [99]
 Carr, Philip [254]
 Carr, Sarah [112]
 Carrasco, Michael [141],
 [191]
 Carré, Matthieu [67]
 Carreón Blaine, Emilie
 [225]
 Carroll, Jon [222]
 Carroll, Peyton [38]
 Carroll, Sean [195]
 Carson, Mike [140], [219]
 Carter, Benjamin [257]
 Carter, Nicholas [130]
 Carter, Sidney [255]

- Cartwright, Rachel [85]
 Caruso, Annie [160]
 Carvajal López, José [196]
 Carvalho, Milena [11], [36]
 Carvey, Andrea [147]
 Casal, Fernando [8]
 Casana, Jesse [124], [147]
 Casar, Isabel [225], [233]
 Cascalheira, João [11], [34], [250]
 Caseldine, Christopher [99]
 Casserley, Tane [231]
 Casson, Aksel [176]
 Castañeda, Amanda [79]
 Castañeda, Francisco [269]
 Castañeda, Quetzil [57]
 Castillo, Luis Jaime [242]
 Castillo, Nina [105], [224]
 Castleberry, Cala [184]
 Castro, Andrey [161]
 Castro, Silvina [243]
 Castro-Priego, Manuel [257]
 Cates, Kari [129]
 Cathcart, Danielle [172]
 Catlin, Kathryn [272]
 Cawthra, Hayley [11]
 Cegielski, Wendy [17]
 Celestine, Bryant [113]
 Celhar, Martina [85]
 Celis, Ana [137]
 Cencig, Elsa [50]
 Cercone, Ashley [263]
 Cerezo-Román, Jessica [38], [79], [240]
 Cesaretti, Rudolf [269]
 Chacaltana-Cortez, Sofia [32]
 Chadwick, William [213]
 Challis, Sam [60]
 Chamalian, Zaynab [122]
 Chamussy, Vincent [174]
 Chandler, Susan [31], [58]
 Channell, Rachel [65]
 Chapa, Reymundo [52]
 Chapdelaine, Claude [12]
 Chapman, Ellen [251]
 Charlton, Michael [239]
 Chase, Adrian [29], [102], [155]
 Chase, Arlen [54], [102]
 Chase, Diane [54], [102]
 Chase, Elyse [102]
 Chase, Josh [186]
 Chastain, Matthew [94]
 Chatelain, David [130]
 Chavarria, Sara [160], [184]
 Chavez, Franklin [49]
 Chavez, Mark [242]
 Chavez-Chuquimarca, Andrea [201]
 Chaytor, Jason [18]
 Chechushkov, Igor [50], [64], [176]
 Cheetham, Paul [107]
 Cheever, Sylvia [268]
 Chen, Caleb [83]
 Chen, Jennifer [180]
 Chen, Kunlong [42]
 Chen, Ran [36]
 Chen, Xinzhou [77]
 Chenault, Mark [71], [79]
 Cheng, Wen Yin [94]
 Cheong, Kong [28]
 Cherkinsky, Alexander [231]
 Chesson, Meredith [35]
 Chévez, Estrella [29]
 Chiac, Virginia [178]
 Chicoine, David [54], [174], [182], [233]
 Chiffi, Maria [104]
 Childress, William [180]
 Childs, S. Terry [132], [172]
 Chilton, Elizabeth [13]
 Chinique de Armas, Yadira [173]
 Chiodini, Thomas [184]
 Chiou, Katherine [61], [91], [147], [241]
 Chiriboga, Carlos [269]
 Chirinos Ogata, Patricia [106]
 Chisholm, Amelia [184]
 Chmura, Matthew [124]
 Chovanec, Zuzana [235]
 Christenson, Allen [138]
 Christie, Jessica [200]
 Chu, Alejandro [224]
 Chu, Wei [162]
 Chuenwattana, Nattha [228]
 Chulun, Sampildonov [62]
 Church, Warren [106]
 Ciancio, Angela [104]
 Cinquino, Michael [60]
 Ciolek-Torello, Richard [247]
 Ciornei, Alex [162]
 Ciugudean, Horia [35]
 Clark, Alexis [189]
 Clark, Amy [180]
 Clark, Bonnie [6], [46], [112]
 Clark, Caven [92]
 Clark, Geoffrey [100]
 Clark, Jeffery [122]
 Clark, Jeffrey [142]
 Clark, Jessica [213]
 Clark, Julia [62]
 Clark, Kate [221]
 Clark, Terence [239]
 Clarke, Mary [20]
 Claypatch, Hunter [79]
 Clayton, Sarah [133]
 Cleghorn, Naomi [38]
 Cleland, Timothy [180]
 Cleveland, Mitchell [148]
 Clifton, Julia [172]
 Clindaniel, Jon [164], [200]
 Cloud, Andy [40]
 Cloud, William [101]
 Clymer, Mark [190]
 Cobb, Charles [123]
 Cobb, Peter [205]
 Cobos, Rafael [126]

- Cocco, Gabriel [196]
 Cochran, Lindsey [140]
 Cochran, Ethan [100]
 Cockrell, Brett [186]
 Coco, Emily [162]
 Coddling, Brian [15],
 [61], [195], [236]
 Codlin, Maria [76],
 [150]
 Cody, Mercedes [176]
 Coe, Marion [148]
 Coffey, Grant [26],
 [147]
 Coffman, Sam [82]
 Cojti-Ren, Iyaxel [151]
 Coleman, Wendi [50]
 Collard, Mark [236]
 Collins, Benjamin [11]
 Collins, Ryan [202]
 Coltman, Jeremy [225]
 Coltofean-Arizancu,
 Laura [25]
 Coltrain, Joan [61]
 Colvin, Matthew [166]
 Combey, Andy [197]
 Combs, Reece [104]
 Comeau, Brad [236]
 Comeca Ramirez,
 Gianina [174]
 Commendador, Amy
 [177], [236]
 Compagno Zoan, Clara
 [198]
 Comstock, Aaron [78],
 [264]
 Conard, Nicholas [11],
 [36], [162]
 Condon, Peter [68]
 Conger, Megan [12],
 [267]
 Conkey, Margaret [56],
 [103]
 Conlee, Christina [21],
 [243]
 Conley, Daniel [53]
 Conlin, David [273]
 Conrad, Cyler [129]
 Consortium, ERC
 PEGASUS [173]
 Contreras, Daniel [59],
 [125]
 Conway, Meagan [134]
 Cook, Jacob [35]
- Cook, Robert [221],
 [255], [264]
 Cook Hale, Jessica
 [18], [30], [238]
 Cooley, Delaney [97]
 Coolidge, Frederick
 [36]
 Coon, Anna [177]
 Coon, Sarah [55]
 Cooper, Jago [239]
 Cooper, Zachary [26]
 Copeland, Sandi [129]
 Corbett, Kathleen [112]
 Corcoran-Tadd, Noa
 [242]
 Cordell, Ann [123]
 Cordero, Robin [129]
 Cordova, Carlos [19],
 [75], [219], [269]
 Córdova Tello,
 Guillermo [144]
 Córdova Tello, Mario
 [150]
 Corkum, Alex [107]
 Cori, Kristin [136], [179]
 Corneli, Katharine
 [258]
 Coronado, Anabella
 [209]
 Correa, Leticia [232]
 Correa, Pablo [150]
 Cortes-Rincon, Marisol
 [7], [53], [178], [206],
 [230]
 Cory, Mackenzie [198]
 Costa, August [198]
 Costa, Philippe [189]
 Costello, Julia [58]
 Couey, Lauren [134]
 Coughenour, Chance
 [230]
 Coughlin, Sean [192]
 Countryman, James
 [124]
 Countryman, Linda
 [175]
 Covert, Alexandra
 [148]
 Covey, R. Alan [17],
 [175]
 Cowie, Sarah [97]
 Cox, Kim [16]
 Cox, Whitney [16]
- Crable, Barbara [68],
 [236]
 Crabtree, Pam [22]
 Crabtree, Stefani [26],
 [115], [165], [171]
 Craib, Alexander [103]
 Craig, Jessica [14]
 Craig, Oliver [229]
 Cramb, Justin [252]
 Crass, Barbara [82]
 Crawford, Dawn [39]
 Creager, Brooke [211]
 Creamer, Emma [119]
 Creel, Darrell [136]
 Creese, John [12]
 Crespo, Fabián [143]
 Cressler, Alan [60]
 Crevecoeur, Isabella
 [171]
 Criado-Boado, Felipe
 [207], [263]
 Crider, Destiny [150]
 Crist, Walter [175]
 Cromwell, RP [77]
 Cron, Lindsey [122],
 [136]
 Cross, Benjamin [78],
 [221]
 Crowley, Brooke [76]
 Crowley-Champoux,
 Erin [22]
 Crown, Patricia [88],
 [129]
 Cruger, Holly [5]
 Cruz, Heather [13]
 Cruz, Krysten [35]
 Cruz, Ricardo [133]
 Cruz Jiménez, Ricardo
 Leonel [133]
 Cruzado Carranza,
 Elizabeth [184]
 Cuello del Pozo,
 Paloma [105], [242]
 Cuevas, Mauricio [227]
 Culleton, Brendan
 [237]
 Curet, L. Antonio [169]
 Cureton, Travis [79]
 Curliiss, Lydia [41]
 Curti, Giorgio Hadi
 [127]
 Cusicanqui, Solsiré
 [106]
 Cyphers, Ann [191]

- Cyr, Howard [222]
 Dacus, Chelsea [141]
 Dagtas, Nihan [244]
 Dakovic, Gligor [35]
 Dale, Jedidiah [4],
 [206]
 Dalmás, Daniel [233],
 [236]
 d'Alpoim Guedes, Jade
 [205], [267]
 Dalton, Jordan [21]
 Dalton, Kevin [188]
 Dalton, Sara [163]
 Damick, Alison [171]
 Damour, Melanie [18]
 Damp, Jonathan [257]
 Daniels, James [237]
 Darsie, Amy [198]
 Darby, Melissa [56]
 Dashzeveg,
 Bukhchuluun [62]
 Davaakhuu, Odsuren
 [62]
 Davidson, Jaron [267]
 Davis, Caitlin [150]
 Davis, Christopher
 [127]
 Davis, Jera [63], [211]
 Davis, Joshua [25]
 Davis, Kaitlyn [239]
 Davis, Loren [170],
 [195], [238]
 Davis, Mary [5]
 Davis, S. R. [192]
 Davis-King, Shelly [58]
 Dawson, Emily [125],
 [171]
 Day, Peter [196]
 de Anda, Guillermo
 [137]
 De Andreis, Sonia
 [246]
 DeCaro, Alex [18]
 De Dufour, Karyn [217]
 de Gruchy, Michelle
 [33]
 de Guzman, Margarita
 [183]
 de la Peña, Paloma
 [11]
 de la Rosa, Yuri [101]
 de la Rosa-Díaz, Jesús
 [67]
 de Leon, Monica [130]
 de los Ríos, Gabriela
 [106]
 De Lucia, Kristin [239]
 de Lucio, Oscar [20]
 de Marigny, Elizabeth
 [108]
 De Peña, Felicia [199]
 de Pozo, Paloma
 Cuello [240]
 de Smet, Timothy [238]
 Deacon, Janette [111]
 Dean, Jake [243]
 DeAntoni, GeorgeAnn
 [214]
 deBeaubien,
 Domonique [192]
 Decaix, Alexia [205]
 Decker, Michael [104]
 Dedrick, Maia [57]
 Deere, Bobi [47]
 deFrance, Susan [61],
 [76], [260]
 Dega, Mike [100]
 DeGeorgey, Alex [188],
 [221]
 DeGraffenried, Jennifer
 [66]
 DeLeonardis, Lisa
 [258]
 Delgado, James [18]
 Delgado Espinoza,
 Florencio [57]
 Delsol, Nicolas [22]
 DeLuca, Anthony [202]
 Delvigne, Vincent [30]
 Dempsey Alves, Anna
 [142]
 Denham, Tim [235]
 Dennehy, Timothy [26]
 Dennett, Carrie [157],
 [168]
 DeOrbegozo, Mary
 Emma [242]
 Derr, Kelly [117]
 Derry, Linda [193]
 Dersam, Sari [65]
 Dersam, Scott [65],
 [66]
 Des Lauriers, Matthew
 [66], [170]
 Deskaj, Sylvia [263]
 Desrosiers, Dianne
 [44], [127]
 Dewan, Eve [184]
 Dewar, Genevieve [76],
 [77]
 Di Giusto, Marina [240]
 Diaz, Alice [246]
 Diaz, Lucia [61]
 Diaz, Luis [260]
 Díaz-Andreu, Margarita
 [25]
 Diaz-Granados, Carol
 [47]
 Díaz Sibaja, Roberto
 [198]
 Dickson, Catherine
 [116]
 Dickson, Ephriam [52]
 Diehl, Richard [152],
 [181], [191]
 Dierks, Zachary [63]
 Dillehay, Tom [23],
 [90], [170]
 Dillian, Carolyn [97]
 Dillon, Scott [190]
 DiMarco, MacKenzie
 [184]
 DiNapoli, Robert [24],
 [135]
 Dinkins, Gerry [78]
 Diop, Pape Laity [273]
 DiPietro, Lyndsay [81]
 Diserens Morgan,
 Kasey [165]
 Dixon, Boyd [100]
 Dixon, E. James [238]
 Dobney, Keith [100]
 Dobos, Adrian [162]
 Dobrov, Amanda [71]
 Dodge, Aina [113]
 Dodge, Robyn [53]
 Doelle, William [58]
 Doering, Briana [82]
 Doherty, Caitlin [195]
 Dolan, Brennan [175]
 Dolan, Sean [129]
 Dombrosky, Jonathan
 [22], [129], [171]
 Domeischel, Jenna
 [172]
 Domenici, Davide [258]
 Domic, Alejandra [59]
 Domínguez, Miriam
 [257]
 Dominguez, Victoria
 [257]

- Dominguez Carrasco, Maria del Rosario [168]
 Donathan, Gavin [77]
 Dong, Ke [161]
 Dongoske, Kurt [127]
 Donn, Leila [206]
 Donner, Kristin [104]
 Donta, Jaime [114]
 Doperalski, Mark [66], [190]
 Doroszenko, Dena [228]
 Dotzel, Krista [13]
 Dou, Jiaxin [36]
 Doubles, Catherine [264]
 Doucette, Dianna [13]
 Dougherty, Haley [130]
 Douglas, Allison [43]
 Douglas, Peter [128]
 Douglass, John [58], [87]
 Douglass, Kristina [76]
 Dove, David [149]
 Dowling, Katherin [9]
 Downum, Christian [255]
 Doyle, Colin [8], [206], [230]
 Dozier, Crystal [8], [198]
 Drake, Lee [5], [203]
 Drake, Stacy [53], [153], [218]
 Dreibrod, Stefan [85]
 Drew, Brooke [167]
 Drosou, Konstantina [212]
 Drucker, Dorothée [162]
 Druggan, Patrick [264]
 Duarte, Ricardo [273]
 Duarte, Trever [186], [262]
 Duarte, Yolanda [273]
 Dubied, Morgane [17]
 Dubois, Jonathan [127]
 Dubois, Katherine [212]
 Dudgeon, John [80], [120], [236], [237], [240], [270]
 Dudley, Meghan [65], [97]
 Duffy, Lisa [54], [150]
 Duffy, Paul [135]
 Dufresne, Philippe [24]
 Duggins, Julie [193]
 Duggins, Ryan [18]
 Duguid, Danielle [77]
 Duke, C. Trevor [123]
 Duke, Daron [5], [8]
 Duke, Guy [257]
 Dull, Robert [90]
 Dumouchel, Laurence [27]
 Dunbar, James [30]
 Duncan, James [47]
 Duncan, Joshua [215]
 Duncan, Marjorie [23]
 Duncan, Neil [4]
 Dungan, Katherine [136], [156]
 Dunne, Jennifer [26]
 Dunning, Nicholas [20], [128], [206]
 Dunsmore, Erin [208]
 Durand, Karen [143]
 Durham, Jordan [36]
 Dussubieux, Laure [249]
 Duwe, Sam [148]
 Dye, David [166]
 Dye, Thomas [24]
 Dyke, Arthur [64]
 Dylla, Emily [239]
 Ea, Darith [168]
 Eagle, Jon [44]
 Earley, Caitlin [265]
 Earley, Frank [60]
 Easton, Norm [198]
 Eberl, Markus [232]
 Ebert, Claire [26], [128], [130], [158], [168], [230]
 Ebert, Julia [107]
 Eche Vega, J. Eduardo [105]
 Eck, David [186]
 Eckert, Suzanne [172], [203]
 Eddy, Zoe [41]
 Edelstein, Beth [258]
 Edgar, Heather [80]
 Edington, Stacy [240]
 Edwards, Briece [116]
 Edwards, Nicolette [22], [77]
 Edwards, Richard [264]
 Eeckhout, Peter [200]
 Eerkens, Jelmer [83]
 Effingham, Joseph [240]
 Egan, Rachel [157]
 Égüez, Natalia [62]
 Eichner, Katrina [91], [165]
 Eiselt, Sunday [17]
 Eisenhofer, Raphael [100]
 Ek, Jerald [133]
 Ekdahl, Amanda [184]
 Eldredge, Kaitlyn [165]
 Elgart, Alison [188]
 Eller, Andrea [242]
 Elliott Jones, Justin [37]
 Elliott, Michelle [133]
 Ellis, Grace [36]
 Ellis, Olivia [178]
 Ellyson, Laura [165]
 Elquist, Ora [63]
 Emery, Kitty [54], [129], [178]
 Engan, Emily [142], [186]
 Englehardt, Joshua [191]
 Enright Parsick, Erin [204]
 Ensley, Ross [163]
 Enzmann, Jonas [238]
 Eppich, Keith [93], [211]
 Eren, Metin [232]
 Ergun, Müge [83]
 Erickson, Clark [4]
 Ermish, Brendan [245]
 Esarey, Duane [211]
 Eschbach, Krista [192]
 Eschenbrenner, James [52]
 Esdale, Julie [52], [81]
 Eshleman, Sara [206]
 Esker, Donald [19]
 Esparza Olguin, Octavio [130]
 Espenshade, Christopher [252]
 Espino Huaman, Richard [21], [125]
 Espinosa, Silvana [67]
 Estabrook, Richard [44]

- Esteban, Irene [11]
 Estes, Aaron [167]
 Estrada-Belli,
 Francisco [223]
 Ethier, Jonathan [62]
 Ethridge, Gary [149]
 Etnier, Michael [59].
 [129]
 Etter, Bonnie [17]
 Evans, Amanda [238]
 Evans, Denise [143]
 Evans, Laura [77]
 Evans, Susan Toby
 [150]
 Everett, Genevieve
 [190]
 Everett, Mark [19]
 Everhart, Timothy [107]
 Evershed, Richard [61]
 Evoy, Angela [62]
 Ewen, Charles [3]
 Extract, Jonathan [189]
 Eyeington, Ashley
 [101], [165]
 Fagan, Brian [46]
 Fahey, Brian [38]
 Fairbairn, Phoebe [53]
 Fairley, Helen [255]
 Farace, Anthony [78]
 Farah, Kirby [57]
 Farahani, Alan [139]
 Farina, Adriano [25]
 Farina, Angelo [25]
 Farley, Ned [78]
 Farley, William [12]
 Farmer, Andrea [132]
 Farmer, James [141]
 Farquhar, Jennifer [62]
 Farrell, Sean [101]
 Faulseit, Ronald [138]
 Fauvelle, Mikael [203]
 Faux, Jennifer [189]
 Feak, Angela [76]
 Fedick, Scott [178]
 Feinberg, Joshua [19]
 Fenn, Thomas [234],
 [249]
 Fenton, Monica [233]
 Ferguson, Jeffrey [30],
 [120], [203]
 Ferguson, T. J. [58]
 Ferguson, Victoria
 [251]
 Fernandes, Paul [30]
 Fernandez, Marco [5]
 Fernandez, Rachel [95]
 Fernandez Diaz, Juan
 Carlos [102], [206]
 Fernandez-Gotz,
 Manuel [48], [207]
 Fernandez-Repetto,
 Francisco [57]
 Fernandez-Souza, Lilia
 [57]
 Fernandini, Francesca
 [21], [243]
 Fernstrom, Katharine
 [164]
 Ferrara, Scott [119]
 Ferraro, Joseph [8]
 Ferras, Mélanie [266]
 Ferraz da Silva, Tiago
 [244]
 Ferring, Reid [170]
 Ferris, Jennifer [253]
 Fertelmes, Craig [79],
 [125], [229]
 Festa, Marcella [205]
 Fiallos, Pedro [201]
 Fiedel, Stuart [103]
 Fiel, María Victoria
 [198]
 Field, Erin [221]
 Field, Julie [76], [226]
 Field, Sean [149]
 Fields, Mara [215]
 Fields, Ronald [69]
 Filimoejala, Darby
 [262]
 Finley, Judson [26]
 Finn, Elliot [84]
 Fisch, Mike [232]
 Fisher, Abigail [22]
 Fisher, Chelsea [46]
 Fisher, Erich [11]
 Fisher, Kevin [263]
 Fisher, Lynn [226]
 Fisher, Philip [253]
 Fisher, Suzanne [56]
 Fitton, Tom [216]
 Fitzgerald, Curran
 [260]
 Fitzhugh, William [50]
 Fitzmaurice,
 Rosamund [130],
 [178]
 Fitzpatrick, Leslie [240]
 Fitzpatrick, Scott [59],
 [100], [123], [135],
 [271]
 Fitzpatrick, Tony [75]
 Flad, Rowan [45]
 Fladd, Samantha [98]
 Fladeboe, Randee
 [129]
 Flanagan, Kelin [14]
 Flegontov, Pavel [173]
 Fleisher, Jeffrey [249]
 Fleskes, Raquel [169]
 Fletcher, Roland [28],
 [48]
 Flood, John [232]
 Florence, Kathryn [164]
 Flores, Alexandra [78]
 Flores, Jorge [257]
 Flores, Mary Faith
 [129]
 Flynn, Barrett [52]
 Flynn, Erin [176]
 Foias, Antonia [54],
 [126]
 Folan, William [168]
 Folk, Maureen [61]
 Follensbee, Billie [2],
 [191]
 Ford, Anabel [7], [31],
 [124]
 Ford, Ben [213]
 Ford, Paige [47], [97]
 Forest, Marion [133]
 Forget Brisson,
 Laurence [81]
 Forkel, Robert [262]
 Forman, Steven [8],
 [19], [229]
 Forrest, Daniel [13],
 [232]
 Forste, Kathleen [255]
 Fort, Mathew [233]
 Forton, Maxwell [122],
 [148]
 Foster, Spencer [178]
 Fournier, Nichole [233]
 Fowler, John [76]
 Fowler, William [90]
 Fox, Amy [23]
 Fox, Jacqueline [79]
 Fox, Jon [236]
 Fracchia, Adam [188]
 Frachetti, Michael [48],
 [173], [261]

- Franco, Nora [198]
 Frank, Jacob [124]
 Frank, Michael [185]
 Franke, Kristina [59]
 Franklin, Jay [36], [175]
 Franklin, Lauren [36]
 Franklin, Paris [204]
 Franklin, Stephanie [186]
 Fraser, Sharon [120]
 Frashuer, Anya [63]
 Frederick, Charles [40], [194], [198], [269]
 Frederick, Katelyn [169]
 Frederick, Kathryn [233]
 Freeman, Andrea [140], [219]
 Freeman, Jacob [26], [179]
 Freeman, Jeremy [44]
 Freidel, David [93], [166], [209], [223]
 Freire, Shannon [80]
 Freiwald, Carolyn [14], [133], [178], [270]
 French, Kirk [152], [181]
 French, Lewanne [22]
 Freund, Kyle [222]
 Friberg, Christina [175]
 Friedel, Rebecca [178]
 Friedl, Lukas [36]
 Frieman, Catherine [207], [234]
 Friend, Sadie [215]
 Fries, Eric [7], [155]
 Friese, Crystina [184]
 Fritz, Sherilyn [59]
 Fruhlinger, Jake [52]
 Fry, Megan [240]
 Fry, Olivia [148]
 Frykholm, Soren [145]
 Fuchs, Christopher [122]
 Fulbright, John [187]
 Fulkerson, Tiffany [72], [91]
 Fulminante, Francesca [48]
 Fulton, Deirdre [51]
 Fulton, James [51]
 Fulton, Kara [140]
 Funk, Caroline [59]
 Furquim, Laura [161]
 Gabellone, Francesco [104]
 Gaffney, Chris [107]
 Gaffney, Isabella [229]
 Gaffney, Vincent [238]
 Gaggioli, Amanda [234]
 Gagnon, Celeste [169], [174]
 Galaty, Michael [263]
 Galindo, Mary [113]
 Gallaga, Emiliano [101]
 Gallagher, Martin [51]
 Gallareta Cervera, Tomás [57]
 Gallareta Negrón, Tomás [230]
 Galle, Jillian [98]
 Gallegos Gomora, Miriam Judith [126]
 Gallivan, Martin [251]
 Galloway, Tori [192]
 Galvan, Dagmar [186]
 Galván Benítez, Miguel Ángel [145]
 Gamache, Joel [165]
 Gama-Vooz, Marisol [101]
 Gamble, Lynn [72]
 Garbellano, John Michael [56]
 Garber, James [239]
 García, Dante [145]
 García, Lorena [161]
 García Atiénzar, Gabriel [25]
 García-Casco, Antonio [246]
 García-Herrerros, Jorge [202]
 Garcia-Putnam, Alex [119], [239]
 Gardner, A. Dudley [235]
 Gardner, William [62]
 Gardner-O'Kearny, William [147]
 Gardullo, Paul [273]
 Garnett, Heather [79]
 Garnett, Justin [69]
 Garnica, Marlen [60]
 Garong, Ame [188]
 Garrett, Zenobie [95]
 Garrison, Ervan [18], [238]
 Garrison, Thomas [206]
 Garvey, Alana [243]
 Garver, Raven [139], [171]
 Garvin, Arianna [61], [267]
 Garzon-Oechsle, Andres [257]
 Gasco, Janine [237]
 Gassaway, Linn [117]
 Gates St-Pierre, Christian [12]
 Gauthier, Nicolas [95]
 Gavériaux, Fanny [234]
 Gay, Brandon [95], [260]
 Gaylord, Donald [119]
 Gayo, Eugenia [74], [171]
 Gazis, Michalis [196]
 Ge, Wei [45]
 Gearty, Erin [165]
 Geib, Phil [69]
 Geiger, Elspeth [119]
 Gelliot, Eric [189]
 Gemberling, Bailey [7]
 General, Zachariah [252]
 Gentil, Bianca [133]
 George, Amy [138]
 George, Miranda [150]
 George, Nicole [195]
 George, Richard [237]
 Gerard-Little, Perri [184]
 Gerrard, Richard [228]
 Getz, Sara [80]
 Ghezzi, Ivan [174]
 Giardina, Miguel [15], [243]
 Gibbs, Anna [51]
 Gibbs, Hannah [231]
 Gil, Adolfo [15], [243]
 Giles, Bretton [166]
 Gillam, J. Christopher [175]
 Gillaspie, Amy [231]
 Gillispie, Thomas [82]
 Gillot, Celine [20]
 Gilreath-Brown, Andrew [125]

- Gilmore, Eric [148]
 Gilmore, Kevin [6], [78]
 Gilstrap, William [39], [196]
 Gingerich, Joseph [180]
 Giomi, Evan [26]
 Giovas, Christina [271]
 Giraldo, Santiago [246]
 Giulia, Ricci [11]
 Glascock, Michael [5], [39], [63], [133], [150], [196], [237], [267]
 Glover, Jeffrey [33], [271]
 Glover, Lauren [28]
 Glowacki, Donna [149]
 Glumac, Bosiljka [20]
 Gnivecki, Perry [59]
 Godard, Robert [203]
 Godhardt, Ava [178]
 Goebel, Ted [81]
 Goepfert, Nicolas [174]
 Golden, Charles [54], [126], [202], [265]
 Golden, Patrick [24]
 Goldmann, Lukas [107]
 Goldner, Jonathan [25]
 Goldsmith, Dora [192]
 Goldstein, Lynne [56], [72], [96]
 Goldstein, Paul [61], [105], [260], [267]
 Golitko, Mark [29]
 Gomani-Chindebvu, Elizabeth [38]
 Gomez Mejia, Juliana [21]
 Gonçalves, Célia [34], [250]
 Gonciar, Andre [169]
 Gonzal, Edith [252]
 Gonzales, Mikayla [7]
 Gonzáles Lombardi, Andrea [224]
 Gonzalez, Juan [6], [126]
 Gonzalez, Nancy [101]
 González Guzman, Zitlalli Teresa [121]
 Gonzalez Herrera, Ulises [173]
 González Lauck, Rebecca [191]
 González López, Ángel [227]
 González-Hernández, Galia [10]
 Goodale, Nathan [5], [253]
 Goodby, Robert [12]
 Goodmaster, Christopher [16]
 Goodsell, Joanne [256]
 Goodwin, Rebecca [64]
 Gorczyk, John [22]
 Gordon, Falcia [193]
 Gore, Angela [30]
 Gorenflo, L. J. [102]
 Goring, Daniel [83]
 Gorman, Alicia [21]
 Gorogianni, Eugenia [263]
 Gosner, Linda [35]
 Goudge, Charlotte [146]
 Gover, Carlton [41]
 Gozner, Amanda [147]
 Graf, Kelly [81]
 Graham, Anna [222]
 Graham, Carole [165]
 Granados, Rosario [109]
 Grant, Christopher [129]
 Grant, Helen [229]
 Grant, Sharon [218]
 Grant, Vernelda [184]
 Gratuze, Bernard [30]
 Grauer, Kacey [272]
 Grauman, Kristen [175]
 Graumlich, Emma [66]
 Grávalos, M. Elizabeth [174]
 Grave, Peter [168]
 Gravel-Miguel, Claudine [38]
 Graves, Michael [252], [255], [262]
 Graves, Timothy [136]
 Graves, William [142]
 Gray, D. Ryan [188]
 Gray, Michelle [273]
 Greco, Annie [264]
 Green, Adam [33], [48], [272]
 Green, Amie [212]
 Green, Kirsten [169], [178]
 Green, Margerie [98]
 Green, Olivia [215]
 Greene, Janaka [66]
 Greenwald, Alexandra [15], [61]
 Greenwald, David [136]
 Greer, John [56]
 Greer, Mavis [56]
 Greer, Sean [261]
 Gregorio de Souza, Jonas [4]
 Gregory, Andrea [132]
 Gregory, Teresa [52]
 Gregory, Timothy [36]
 Grell, Jessyka [215]
 Grenda, Donn [247]
 Grenda, Robert [247]
 Grier, Colin [23]
 Grieve, Jeffrey [64]
 Griffith, Cameron [137]
 Griffith, Timothy [176], [194], [198]
 Griffiths, Seren [146]
 Grifffy, Henry [226]
 Grillo, Katherine [171]
 Grimes, Vaughan [51]
 Grinnan, Joseph [18]
 Griswold, William [188]
 Grizzle, Meghan [185]
 Grooms, Michael [198], [202]
 Grooms, Seth [146]
 Gross, Kendyll [109]
 Grouard, Sandrine [252]
 Grubb, Muriel [3]
 Gruber, Janna [193]
 Gruber, Thomas [193]
 Gruhn, Ruth [170]
 Grund, Denay [203]
 Grussing, Valerie [116]
 Gruver, Steph [67]
 Gu, Wanfa [45]
 Guderjan, Thomas [230]
 Guðmundsdóttir, Lísabet [50]
 Guebard, Matthew [135]
 Guengerich, Anna [6]
 Guérin, Guillaume [36]

- Guernsey, Julia [191]
 Guerra, Rafael [178]
 Guillaume, Porraz [11]
 Guimarães Melo, Lana [161]
 Guinard, Michel [250]
 Guiry, Eric [76]
 Gulley, William [142]
 Gulli, Domenica [196]
 Gunchinsuren, Biambaa [175]
 Gunn, Christopher [178]
 Gunn, Joel [168], [90]
 Guralnick, Robert [27]
 Gush, Matthew [77]
 Gusick, Amy [100], [238]
 Gustas, Robert [271]
 Gutierrez, Gerardo [150]
 Gutiérrez, Maria [72]
 Guzman Piedrasanta, Melvin Rodrigo [155]
 Gyucha, Attila [199]
 Haas, Jennifer [74]
 Haas, Randall [180]
 Haas, Randy [233]
 Habu, Junko [235]
 Hackenberger, Steven [8]
 Hadden, Carla [27]
 Hadley, Alison [264]
 Haffner, Jacob [244]
 Hagan, Elizabeth [36]
 Haichao, Li [45]
 Halcrow, Sian [91], [199]
 Hale, Nathan [18]
 Haley, Cambria [198]
 Halfman, Carrin [202]
 Hall, Maximilian [187]
 Hall, Molly [170]
 Hall, Sarah [134]
 Halligan, Jessi [219], [238]
 Halling, Christine [80], [248]
 Halperin, Christina [54], [168]
 Hamdan, Leila [18]
 Hamilton, Andrew [109]
 Hamilton, Derek [135]
 Hamilton, Marcus [26], [101]
 Hammerstedt, Scott [107], [189], [222]
 Hammond, Norman [163]
 Hampton, Ashley [254]
 Han, Ji-Wan [147]
 Hanna, Jonathan [53], [60], [135]
 Hannold, Cynthia [233]
 Hanratty, Colleen [230]
 Hanselka, Kevin [68], [186]
 Hanselmann, Frederick [18]
 Hansen, Brooke [104]
 Hansen, Daniel [234]
 Hansen, Richard [163]
 Hanson, Annalys [38]
 Hanson, John [26]
 Hanson, Kelsey [79], [122]
 Hanten, Nick [236]
 Hantman, Jeffrey [251]
 Hanus, Kasper [45]
 Hard, Robert [5], [122], [156], [179], [240]
 Hardy, François [81]
 Hardy, Meredith [273]
 Hare, Timothy [138], [155], [269]
 Harkleroad, Eric [234]
 Harkness, Rebecca [184]
 Harle, Michaelyn [56]
 Harley-Wilson, Terry [172]
 Harmon, Alaina [132]
 Harney, Éadaoin [173]
 Harper, Kyle [161]
 Harrington, Lesley [240]
 Harris, Andrew [28]
 Harris, Brendan [186]
 Harris, Chrys [107]
 Harris, Edward [24]
 Harris, Jacob [38], [55]
 Harris, Katie [253]
 Harris, Matthew [9], [55], [139]
 Harris, Stephen [202]
 Harrison, Janelle [60]
 Harrison, Laura [104]
 Harrison-Buck, Eleanor [14], [127]
 Harrod, Chris [61]
 Harrod, Ryan [131], [210]
 Harry, Karen [88], [142]
 Hart, Elizabeth [232]
 Hart, Isaac [62], [66]
 Hart, John [29]
 Hart, Siobhan [172]
 Hart, Thomas [40]
 Harte, Marybeth [229]
 Hartfield, Kyle [186]
 Hartman, Adam [120]
 Hartman, Gideon [159]
 Harvey, David [243]
 Harvey, Virginia [212]
 Harvkey, Jesse [228], [254]
 Hasenstab, Robert [175]
 Hassam, Stephan [104]
 Hassett, Brenna [210]
 Hastorf, Christine [59], [61]
 Hatcher, Lawford [147]
 Hauser, Mark [239]
 Hawkins, Alan [231]
 Hawkins, Rebecca [49], [70], [154]
 Haws, Jonathan [11], [36], [250]
 Hayashida, Frances [224]
 Hayes, Vivienne [35]
 Hayeur Smith, Michele [50]
 Hayflick, Emily [218]
 Hayhurst, Paige [5]
 Hays-Gilpin, Kelley [2], [99], [111]
 Hayward, Michele [60]
 He, Yahui [45]
 Headrick, Annabeth [166]
 Heard-Booth, Amber [153]
 Heart, Heather [56]
 Heath-Stout, Laura [1], [72], [91]
 Hebda, Christopher [195]
 Hechler, Ryan [201]
 Heckel, Claire [259]

- Heckenberger, Michael [161]
 Heckman, Jasmine [132], [187]
 Hedlund, Jonathan [6]
 Hedman, Kristin [233]
 Heep, Nathan [166]
 Hegmon, Michelle [98]
 Heidkamp, Blair [125]
 Heilen, Michael [89]
 Hein, Anno [196]
 Heitman, Carrie [98]
 Helmer, Emily [177]
 Helmke, Christophe [223]
 Helskog, Knut [111]
 Hemmings, C. [238]
 Henderson, A. Gwynn [43], [129], [190]
 Henderson, Lucia [127], [157]
 Hendrickson, Mitch [28]
 Hendrix, Jess [96]
 Henebry-DeLeon, Lourdes [49]
 Heng, Piphai [168]
 Henkin, Joshua [258]
 Henry, Aureade [81]
 Henry, Edward [48]
 Hepp, Guy [189]
 Herbster, Holly [63]
 Herlich, Jessica [251]
 Hermann, Aymeric [262]
 Hermes, Bernard [128]
 Hernandez, Christine [138]
 Hernandez, Christopher [265]
 Hernandez, Emely [14]
 Hernández, Enrique [163]
 Hernández Espinoza, Patricia Olga [144]
 Hernandez Godoy, Silvia [173]
 Hernández Sariñana, Daniela [150]
 Hernbrode, Janine [25]
 Herr, Sarah [1], [72], [154]
 Herrera, Eric [119]
 Herrera-Santos, Yoanna [133]
 Herrera-Schneider, Alexandra [238]
 Herrmann, Edward [175], [198], [232]
 Herrmann, Nicholas [35], [215]
 Herron, Molly [65], [270]
 Hertfelder, Paula [147]
 Herzner, Louis [63]
 Herzog, Hunter [167]
 Herzog, Nicole [235]
 Hess, Erin [256]
 Hester, Thomas [267]
 Hickey, Kristen [241]
 Hiep, Hoang Trinh [199]
 Higgins, Howard [97]
 Hildebrand, Elisabeth [171]
 Hill, Austin [147]
 Hill, Catherine [185]
 Hill, Ethan [80]
 Hilliard, Jerry [107]
 Hillman, Aubrey [59], [125]
 Hillman, Samuel [119]
 Hills, Kendall [28]
 Hilo, Regina [262]
 Hinkelman, Sarah [221]
 Hinton, Sarah [122]
 Hipkind, Scott [232]
 Hiquet, Julien [20], [102]
 Hirniak, Jayde [38]
 Hirschfeld, Nicolle [175]
 Hirth, Kenneth [133]
 Hiscock, Peter [253]
 Hitchings, Philip [55]
 Hixon, Sean [76]
 Hixson, David [175]
 Hodgetts, Lisa [1], [64]
 Hodgins, Gregory [119], [135]
 Hodgkins, Jamie [38]
 Hoedl, Lucas [135]
 Hoffman, Brett [188]
 Hoffman, John [229]
 Hoffman, Megan [167]
 Hoffman, Nancy [56]
 Hofman, Corinne [271]
 Hofman, Courtney [169], [244]
 Hofman, Jack [68], [236]
 Hoggarth, Julie [178], [230]
 Holcomb, Justin [66], [170], [195], [219]
 Holdaway, Simon [162]
 Holen, Kathleen [75], [170]
 Holen, Steven [75], [170]
 Holland, Russell [196]
 Hollenback, Kacy [119]
 Holley-Kline, Sam [57]
 Holliday, Trenton [36]
 Holliday, Vance [68], [82], [219]
 Hollingshead, Analise [18]
 Holly, Donald [12]
 Holmberg, Karen [157]
 Holmes, Charles [82]
 Holt, Evan [82]
 Homan, Michael [86]
 Honeychurch, William [62]
 Hong, Hyewon [162]
 Hong, Jong Ha [244]
 Honorato, Vinicius [161]
 Honeychurch, Lennox [239]
 Hooker, William, III [132]
 Hoover, Corey [242]
 Hoover, Hannah [119]
 Hoppa, Kristin [160]
 Hopper, Courtney [77]
 Hopwood, Marie [86]
 Horan, Robert [231]
 Horn, Marty [170]
 Horn, Sherman [7], [155]
 Horning, Audrey [112]
 Horowitz, Rachel [20], [54], [158]
 Horrell, Christopher [18]
 Horta, Luis [67]
 Houghten, Holly [113]
 Houk, Brett [53], [155]
 Houle, Jean-Luc [62]
 Housse, Romuald [174]
 Houston, Gordon [211]

- Houston, Stephen [164]
 Hovezak, Tim [149]
 Howard, Alex [214]
 Howe, David [187]
 Howe, Ellen [258]
 Howe, Mark [101]
 Howell, Mark [266]
 Howey, Meghan [33], [184]
 Howland, Matthew [147]
 Hoyos Velasco, Fabiola [121]
 Hranicky, William [198]
 Hronec, Laura [88]
 Hrynick, Gabriel [12]
 Hsiao, Wei-Lin [175]
 Hu, Lorraine [216]
 Hu, Qitian [26]
 Hu, Xiaonong [199]
 Hua, Quan [28], [100]
 Huaman, Oscar [86]
 Huang, Cindy Hsin-yee [36], [95]
 Huang, Lushuang [244]
 Huashuayo Chávez, Willy [268]
 Huckell, Bruce [68]
 Huckert, Chantal [2]
 Huckleberry, Gary [140]
 Huebert, Jennifer [262]
 Huey, Samuel [9]
 Huff, Meagan [172]
 Huffman, Thomas [60], [234]
 Huggins, Kathleen [243]
 Hughes, Karissa [244]
 Hulen, Cyrus [5]
 Humphreys, Stephen [188]
 Hundman, Brittany [21]
 Hünemeier, Tábita [244]
 Hunt, David [195]
 Hunt, Terry [24]
 Hunt, Turner [113]
 Hunter, Andrea [49], [96]
 Huntington, Yumi [141]
 Huntley, Deborah [156], [203]
 Hurst, Heather [57], [138]
 Hurst, Stance [103]
 Hurt, John Duncan [108]
 Hussey, R. Scott [212]
 Huster, Angela [26], [133]
 Hutson, Scott [54], [102], [128], [155]
 Hyde, David [53], [178], [253]
 Hyland, Corrie [243]
 Iannone, Gyles [28]
 Ibarra, Thania [130]
 Ibarrola, Mary Elizabeth [213]
 Ichikawa, Akira [197]
 Iglesias, Christina [137]
 Iizuka, Fumie [252]
 Ikeshoji-Orlati, Veronica [32], [51]
 Iñañez, Javier [196]
 Ingalls, Victoria [158]
 Ingram, Scott [165], [214]
 Inomata, Takeshi [10], [24], [265]
 Ion, Rodica -Mariana [159]
 Iovita, Radu [162]
 Ireland, Brenda [97]
 Iriarte, José [198]
 Isayev, Vugar [111]
 Iseminger, William [164]
 Ito, Nobuyuki [189]
 Ito, Yumiko [235]
 Ives, John [103]
 Izuho, Masami [175], [252]
 Izzo, Victoria [169], [178]
 Jablonski, James [176]
 Jackson, Sarah [127]
 Jackson, Stephen [235]
 Jacobs, Iris [268]
 Jacobs, Zenobia [11]
 Jacobson, Jodi [76]
 Jaimes Vences, Gustavo [133]
 Jalbert, Catherine [72], [91]
 James, L. Brock [236]
 James, Nathaniel [205]
 James, Steven [56]
 Jamieson, Zachariah [101]
 Jamison, Gregg [188]
 Janesko, Sarah [187]
 Janz, Lisa [62], [76], [125]
 Janzen, Anneke [171]
 Jarman, Nicholas [9]
 Jaskowski, Clay [149]
 Jazwa, Christopher [135]
 Jenkins, Dennis [19], [170]
 Jenkins, Jessica [251]
 Jenks, Kelly [165]
 Jennings, Justin [86], [268]
 Jennings, Thomas [17], [232]
 Jensen, Anne [9], [220]
 Jepsen, Jacob [147]
 Jeremiah, Kristen [176]
 Jerrems, William [198]
 Jeske, Robert [264]
 Jessamy, Michael [60]
 Jeu, Michael [6]
 Jijon, Juan [257]
 Jimenez, Socorro [126]
 Jiménez, José Concepción [101]
 Jiménez González, Rocío [10]
 Jiménez Pasalodos, Raquel [25]
 Jodry, Margaret [170]
 John, Christian [189]
 Johnen, Connor [147]
 Johnson, Adam [262]
 Johnson, Amy [167]
 Johnson, Ann [103]
 Johnson, April [5]
 Johnson, Benjamin [203]
 Johnson, Eileen [103], [165]
 Johnson, Elizabeth [172]
 Johnson, Heather [256]
 Johnson, James [205]
 Johnson, John [173]
 Johnson, Lisa [211]
 Johnson, Nadia [189]

- Johnson, Phyllis [232]
 Johnson, Rachel [5]
 Johnson, Royce [235]
 Johnson, Sarah [264]
 Johnson, Taryn [19], [244]
 Johnson, William [19]
 Johnston, Elizabeth [244]
 Jolie, Edward [236]
 Jolly, Sarah [243]
 Joly, Delphine [74]
 Jonassen, Alexandra [7]
 Jones, Ashley [241]
 Jones, Bradford [89]
 Jones, Bradley Chase [242]
 Jones, Brain [11]
 Jones, Catherine [80]
 Jones, Douglas [18]
 Jones, Emily Lena [119], [129], [171]
 Jones, George [253]
 Jones, John [175], [221]
 Jones, Kaylee [66]
 Jones, KC [232]
 Jones, Lauren [51]
 Jones, Lila [165]
 Jones, Matthew [140]
 Jones, Mica [171]
 Jones, Richard [196]
 Jones, Travis [264]
 Jöns, Hauke [238]
 Jonsson, Maria [214]
 Joplin, Jerry [147]
 Jordan, Jillian [168]
 Jorgensen, Alex [124]
 Jorgenson, Matthew [55]
 Jorgeson, Ian [55]
 Jorissen, Philippa [59]
 Joseph, J. [58], [132]
 Joy, Shawn [18]
 Joyce, Arthur [189]
 Joyce, Kaley [235], [236]
 Juarez, Santiago [189]
 Judkins, Abigail [71]
 Junco, Roberto [18]
 Junge, Justin [64]
 Junker, Laura [188]
 Juptner, Derick [75]
 Jurado, Erik [150]
 Jurgens, Christopher [68]
 Kabata, Shigeru [128]
 Kaeding, Adam [14]
 Kahn, Jennifer [88]
 Kaki, Moureen [179]
 Kamenov, George [80], [159], [240]
 Kamph, Molly [185]
 Kamp-Whittaker, April [29]
 Kanezaki, Yuko [182]
 Kangas, Rachael [146]
 Kansa, Eric [183]
 Kanungo, Alok [249]
 Kaplan, Emily [258]
 Kappelman, John [249]
 Karastamatis, Kallista [215]
 Karbula, James [55]
 Kardamaki, Elina [196]
 Kardulias, Paul Nick [36]
 Karkanias, Panagiotis (Takis) [195]
 Karle, Martina [107]
 Karsten, Jordan [244]
 Karthaus, Chelsea [5]
 Karty, Jonathan [169]
 Kassabaum, Megan [222], [254]
 Kataoka, Osamu [100]
 Kate, Emily [150]
 Katz, Jared [25]
 Katz, Monica [258]
 Kaufman, Brett [240]
 Kaul, Urvi [240]
 Kavich, Gwenaelle [180]
 Kay, Marvin [69]
 Kealhofer, Lisa [168]
 Keef, Sean [66]
 Keenan, Benjamin [128]
 Keene, Joshua [19]
 Kehoe, Alice [31], [103]
 Keller, Chad [186]
 Keller, Hannah [38]
 Kellett, Lucas [224]
 Kelley, Alice [9], [220]
 Kellner, Corina [21], [184]
 Kelly, Dylan [33]
 Kelly, John [56], [166], [218], [232]
 Kelly, Kenneth [239]
 Kelly, Mary Kate [223]
 Kelly, Nigel [203]
 Kelly, Robert [26]
 Kelso, William [173]
 Kemp, Brian [129]
 Kendall, Bryan [8], [78]
 Kendall, Iain [61]
 Kennedy, J Ryan [129]
 Kennedy, Jaime [195]
 Kennedy, Jason [86]
 Kennedy, Kendra [184], [254]
 Kennett, Douglas [15], [23], [76], [150], [237], [270]
 Kenoyer, Jonathan Mark [62]
 Keohane, Scott [38]
 Kerchusky, Sarah [21]
 Kern, Travis [214]
 Kessler, Nicholas [135]
 Kestle, Caleb [188]
 Kettunen, Harri [164]
 Key, Abigail [37]
 Khounani, Alireza [267]
 Khym, Do [215]
 Kiahtipes, Christopher [235]
 Kibii, Job [232]
 Kidder, Barry [54], [128]
 Kidder, Tristram [146]
 Kiefer, Victoria [192]
 Kielhofer, Jennifer [82]
 Kilby, David [68], [101]
 Kilgore, Gertrude [228]
 Kilikoglou, Vassilis [196]
 Killebrew, Ann [234]
 Kim, Alexander [173]
 Kim, Jieun [244]
 Kim, Lynn [200], [224]
 Kim, Sun [244]
 Kindschuh, Sarah [153]
 King, Adam [47]
 King, Eleanor [43], [53], [93]
 King, Jason [264]
 King, Julia [251]
 King, Matt [104]

- Kingsland, Kaitlyn [104]
 Kingston, John [76]
 Kintigh, Keith [96],
 [115]
 Kipnis, Renato [161]
 Kirakosian, Katie [56]
 Kirgesner, Samantha
 [76]
 Kirk, Scott [129]
 Kirkland, Brenda [237]
 Kisielinski, Caroline
 [100], [244]
 Kistler, Logan [229]
 Kitchel, Nathaniel [30]
 Klassen, Sarah [26],
 [28]
 Klaus, Haagen [105],
 [131]
 Klehm, Carla [249]
 Klein, Kerri [213]
 Klein, Terry [115]
 Klenck, Joel [252]
 Kles, Maranda [153]
 Klesner, Catherine
 [261]
 Klessig, Barbara [228]
 Klimaszewski-
 Patterson, Anna
 [117]
 Klokler, Daniela [252]
 Kmiec, Theodore [47]
 Knell, Edward [253]
 Knoerlein, David [132]
 Knox, Corey [160],
 [184]
 Knudson, Kelly [61],
 [134]
 Knutson, Jennifer [193]
 Koenig, Charles [68]
 Koetje, Todd [27]
 Kohler, Tim [26], [171],
 [125], [229]
 Kohut, Lauren [32],
 [200]
 Kolak, Tatjana [35]
 Kolar, Miriam [25],
 [266]
 Kolb, Charles [152],
 [181]
 Kolb, Michael [169]
 Kolega, Matija [197]
 Kolhatkar, Manek [6]
 Kollias, George [130],
 [265]
- Kolpan, Katharine [91],
 [153], [188]
 Kolvet, Renee [199]
 Komp, Rainer [107]
 Komulainen-Dillenburg,
 Nancy [256]
 Kong, Deming [94]
 Konsitzke, Charles
 [188]
 Konsoer, Kory [9]
 Kooiman, Susan [233],
 [235], [264]
 Koons, Michele [43],
 [156], [198]
 Koontz, Rex [141],
 [227]
 Kornfeld, Marcel [103],
 [180]
 Kosiba, Steve [272]
 Koski-Karell, Daniel
 [271]
 Kostic, Aleksandar
 [173]
 Koszkuł, Wiesław [128]
 Kosztura, Juan Miguel
 [257]
 Kotegawa, Hirokazu
 [191]
 Kotis, India [77]
 Kouba, Jamie [213]
 Kovacevich, Brigitte [5],
 [20], [39], [54]
 Kowalski, Jessica [222]
 Kracht, Emily [196]
 Krasinski, Kathryn [82],
 [184]
 Kraus, Geneva [256]
 Krause, Johannes
 [173], [244]
 Krause, Samantha
 [14], [59], [206]
 Kreutzer, Daniel [239]
 Krigbaum, John [35],
 [80], [150], [153],
 [159], [240]
 Kriss, Dawn [258]
 Krug, Andrew [79]
 Krupa, Krystiana [49]
 Krus, Anthony [135]
 Kruse, Andrea [236]
 Kuckelman, Kristin
 [131]
 Kuennen, Kathryn [63]
 Kuijt, Ian [199]
- Kulaga, Nicole [236]
 Kulick, Rachel [263]
 Kumm, Ethan [236]
 Künne, Martin [189]
 Kupsch, Mary [99]
 Kurin, Danielle [224]
 Kurnick, Sarah [46]
 Kuruçayirli, Emre [175]
 Kuzminsky, Susan
 [172]
 Kwoka, Joshua [230]
 Kyaw, Pyiet Phyo [28]
 La Rocca, Luigi [104]
 LaBelle, Jason [68]
 Labrada-Ochoa,
 Marcos Octavio
 [257]
 Ladefoged, Thegn
 [124], [262]
 Ladrón de Guevara,
 Sara [191], [227]
 Laguer-Díaz, Carmen
 [271]
 Lahaye, Christelle [36]
 Lai, Celine [94]
 Lain, Andrea [190]
 Lalo Jacinto, Gabriel
 [54], [203]
 Laluk, Nicholas [41],
 [184]
 Lam, WengCheong
 [94]
 Lambach, Toni [122]
 Lambert, Shawn [47],
 [166]
 Lambert, Spencer
 [148], [262]
 Lamie, Katherine [172]
 Lamothe, Michel [81]
 Lamoureux St-Hilaire,
 Maxime [93], [209]
 Landau, Kristin [130]
 Landazuri, Heather [8]
 Landivar, Tamara [257]
 Landt, Matthew [147]
 Lane, Brian [77], [258]
 Lange, Frederick [126]
 Langford, Theresa
 [172]
 Langis-Barsetti,
 Dominique [175]
 Langlais, Mathieu [30]
 Langlie, BrieAnna [61],
 [124], [180]

- Langston, Jada [35]
 Lanier, Hayley [244]
 Lanoë, François [23], [82]
 Lanos, Philippe [24]
 Lapp, Jennifer [154]
 Laqualia, Jennifer [214]
 Larios, Jennifer [21]
 Larkin, Karin [154], [214]
 Larrick, Dakota [66], [103]
 Larsen, Andrew [177]
 Larson, Kara [180], [234]
 Larson, Mary Lou [103]
 LaRue, Chuck [69]
 Lash, Heather [241]
 Lash, Ryan [272]
 Lash, Samantha [59]
 Lassen, Robert [37], [194]
 Latorre, Claudio [74], [171]
 Lattanzi, Gregory [114], [172]
 Latychev, Konstantin [252]
 Lau, George [106], [174]
 Lau, Jason [64]
 Laughlin, Tyler [19]
 Laugier, Elise Jakoby [124], [147]
 Laumbach, Karl [156]
 Laurent, Antoine [107]
 Lauricella, Anthony [261]
 Law Pezzarossi, Heather [112]
 Lawrence, John [123]
 Lawrence, Ken [194]
 LaZar, Miranda [129]
 Lazik, Lauren [5]
 Le Bourdonnec, François-Xavier [30]
 Le Moine, Jean-Baptiste [168]
 Le Roux, Petrus [61]
 Lebehn, Jason [100]
 LeBlanc, Megan [8]
 Lebrun, Brice [36]
 Lecher, Alanna [228]
 LeCount, Lisa [54], [128]
 Ledbetter, Jerald [232]
 Ledesma Bouchan, Patricia [109]
 Ledin, Lauren [205]
 Lee, Hyunsoo [199]
 Lee, Lori [3]
 LeFebvre, Michelle [27], [59], [146], [212], [271]
 Legrand, Victor [107]
 Lehner, Joseph [175]
 Leight, Megan [168]
 Leja, Daniel [149]
 Lekson, Stephen [156]
 Lemke, Ashley [37], [170], [238]
 Lemly, Marina [7]
 Lemminger, Jennifer [75]
 Lemonnier, Eva [102]
 Lent, Kyle [18]
 Lentz, David [258], [206]
 Leppard, Thomas [210]
 Leque, Kirstyn [213]
 Lerner, Shereen [98], [254]
 Leroy, Stéphanie [28]
 LeRoy, Sarah [186]
 Lesage, Louis [12]
 Leslie, David [13]
 Leventhal, Alan [233]
 Levi, Laura [53], [230]
 Levi, Sara [196]
 Levin, Maureece [100]
 Levin, Samuel [190]
 Levine, Marc [189]
 Levinson, Judith [258]
 Levy, Janet [114]
 Levy, Thomas [147]
 Lévy Contreras, Jessica [268]
 Lewandowski, David [122]
 Lewis, James [234]
 Lewis, Lauren [177], [235]
 Lewis, Quinn [175]
 Lewis, Cecil, Jr. [244]
 Li, Kin Sum [42]
 Li, Lavina [268]
 Li, Xiuzhen [42], [94]
 Libbon, Jonathan [77]
 Liebmman, Matt [46]
 Liendo, Rodrigo [102]
 Lieske, Rosemary [119]
 Lightfoot, Kent [117]
 Ligman, Michael [194]
 Lilley, Ian [188]
 Lillios, Katina [35]
 Linares-Palma, Adriana [151]
 Lincoln, Noa [252]
 Lind, Åsa [169]
 Linderholm, Anna [19], [51], [244]
 Lindsay, Audrey [231]
 Lindsey, Zachary [164]
 Linstädter, Jörg [250]
 Lipo, Carl [24]
 Lippert, Dorothy [184]
 Lira-Lopez, Yamile [227]
 Lisboa, Rafaella [195]
 Liss, Brady [147]
 Little, Nicole [205]
 Little, Terry [111]
 Little, Walter [157]
 Littman, Robert [192]
 Liu, Xinyi [35], [61]
 Liu, Yaxiong [42]
 Liu, Yu [94]
 Livesay, Alison [184], [214]
 Livingood, Patrick [107], [222]
 Liwosz, Chester [25]
 Lizarraga Rojas, Beatriz [224]
 Lloyd, Lara [254]
 LoBiondo, Matthew [222]
 Lobo, José [26]
 Locker, Angelina [169]
 Lockhart, Jami [107]
 Loehman, Rachel [117]
 Loendorf, Chris [69], [229]
 Lofaro, Ellen [153], [184]
 Loffler, German [267]
 Lofthouse, Susan [50]
 Loftus, Emma [240]
 Logan, Amanda [46], [114]

- Logan, Liliith [259]
 Lohse, Jon [23], [90]
 London, Marilyn [188]
 Long, Ashley [97]
 Longstaffe, Matthew [178]
 Loomis, Sarah [169]
 Lopez, Andrea [147], [228]
 Lopez, Julieta [128]
 López, Francisco [163]
 López Bravo, Roberto [54], [150], [168], [196], [203]
 Lopez-Finn, Elliot [84]
 López Mazz, José [4]
 López Pérez, Eos [211]
 Lopez Varela, Sandra [204]
 Lorenz, Wayne [85], [159]
 Lorenzen, Eline [64]
 Lothrop, Jonathan [114], [190]
 Loubser, Johannes [8], [60]
 Louderback, Lisbeth [177], [235], [245]
 Loughlin, Michael [102]
 Loughran, Kailey [122]
 Lovata, Troy [214]
 Love, Michael [237]
 Lovejoy, Owen [232]
 Loven, Jeremy [193]
 Lowe, Benedict [104]
 Lowe, Kelsey [188]
 Loyless, Alyssa [26]
 Loyola, Rodrigo [237]
 Lozada, Josuhé [204]
 Lozada, Maria [268]
 Lozano, Beatrice [37]
 Lozano, Sergi [48]
 Lozano, Stephanie [84]
 Lu, Jou-chun [267]
 Lubkemann, Stephen [273]
 Lucas, Virginia [76]
 Lucero, Lisa [70], [127]
 Lueth, Friedrich [107]
 Luin, Camilo [130]
 Luisi, Pierre [173]
 Lujan Sanders, Mariana [149]
 Lukens, William [8]
- Lulewicz, Isabelle [59]
 Lulewicz, Jake [77], [264]
 Lum, Koji [100]
 Lundelius, Ernest [19]
 Luo, Shengqiang [94]
 Lupo, Karen [22]
 Lüth, Friedrich [107]
 Luthman, Sarah [97]
 Lutterbach, Austin [17]
 Luzzadder-Beach, Sheryl [14], [59], [93], [206], [230]
 Lyall, Victoria [109]
 Lynch, Elizabeth [177]
 Lynch, Joshua [228]
 Lynch, Paige [233]
 Lyons, Natasha [1], [64]
 Lyons, Patrick [129], [172]
 Lyons, Scott [234]
 Lytle, Whitney [158]
 Macaulay, Carol [235]
 Macdonald, Danielle [17], [171]
 MacDonald, Brandi [5], [105]
 MacDonald, Douglas [253]
 MacFarland, Kathryn [172]
 Macías, José Luis [157]
 Macias Quintero, Juan Ignacio [267]
 MacIntosh, Sarah [27]
 Mack, Jennifer [172]
 Mack, Karen [190]
 Mackay, Alex [11]
 Mackertich, Samantha [35]
 Mackie, Madeline [180], [244], [270]
 MacLellan, Jessica [128]
 MacMillan, Vincent [60], [147]
 Macrae, Scott [28]
 MacWilliams, Arthur [156]
 Mader, Christian [259]
 Madrid i Fernández, Marisol [196]
- Madsen, David [170]
 Magargal, Kate [15], [195], [236]
 Maggs, Tim [240]
 Magoon, Dane [251]
 Mahan, Chase [180]
 Maher, Lisa [140], [171], [219]
 Mahoney, Maureen [192]
 Mahumane, Cezar [250]
 Mailler, Mary [239]
 Maisel, Mary [213]
 Majere, Evelyn [82]
 Majewski, Teresita [132], [247]
 Makarov, Nikolai [173]
 Maki, David [127]
 Makin, Mike [251]
 Maldonado, Antonio [74]
 Maldonado, Blanca [204]
 Malhi, Ripan [82]
 Malin-Boyce, Susan [132]
 Mallick, Soumen [50]
 Malo, Erika [193]
 Mandel, Rolfe [8], [198], [219]
 Mangado, Xavier [30]
 Mann, Abby [160]
 Manning, Sturt [12]
 Manunza, Maria Rosaria [196]
 Manzaniilla, Linda [10]
 Manzano, Bruce [129], [254]
 Marceaux, Paul [113]
 Marchant, Robert [74]
 Marciniak, Arkadiusz [199]
 Marcone, Giancarlo [32], [105], [224]
 Marean, Curtis [5], [38], [55]
 Marek-Martinez, Ora [184]
 Marengère, Véronique [50]
 Marengo, Nelda [189], [225]
 Margotta, James [122]

- Marin, Liliana [8]
 Marino, Marc [168]
 Marion, Sandra [97]
 Mark, Robert [95]
 Marken, Damien [130], [155]
 Markin, Julie [184]
 Marks, Theodore [18], [222]
 Marquardt, William [59], [192]
 Marques, Aguinaldo [161]
 Márquez Ramírez, Danitza [259]
 Marreiros, João [162]
 Marsh, Erik [243]
 Marshall, Lydia Wilson [97]
 Martal, Clementine [201]
 Martí Gil, Irene [186]
 Martin, Debra [131], [210]
 Martin, Erik [5]
 Martin, Fabiana [119], [270]
 Martin, Jennifer [175]
 Martin, Lois [2]
 Martin, Miles [38]
 Martin, Richard [188]
 Martin, Samuel [175]
 Martin, Simon [128], [223]
 Martin, Terrance [233]
 Martin, Worthy [98]
 Martín, Juan Guillermo [196]
 Martin-Apostolatos, G. [159]
 Martindale Johnson, Lucas [5], [203]
 Martínez, Desirée [184]
 Martínez, Kailey [270]
 Martínez, Marcos [61]
 Martínez, Valentina [257]
 Martínez Carrillo, Miguel [101]
 Martínez de Luna, Lucha [267]
 Martínez López, Cira [39]
 Martínez Milantchi, Maria Mercedes [239]
 Martínez Mora, Estela [144]
 Martínez Vázquez, Dante Bernardo [198]
 Martínez-Tagüeña, Natalia [15]
 Martini, Sarah [85]
 Martino, Shannon [205]
 Martínón-Torres, Marcos [42]
 Marwick, Ben [17], [55], [87], [139]
 Marx, Deborah [18]
 Mas-Florit, Catalina [35]
 Massey, David [175]
 Massey, Sarah [21]
 Masson, Marilyn [20], [138], [269]
 Masucci, Maria [257]
 Masur, Lindi [235]
 Mathé, Vivien [107]
 Mathews, Jennifer [109]
 Mathien, F. Joan [197]
 Mathwich, Nicole [71]
 Matos, Daniela [11]
 Matsumoto, Go [106]
 Matsumoto, Mallory [164]
 Mattioli, Tommaso [25]
 Mattson, Hannah [148], [244]
 Matu, Marie [171]
 Matute, Varinia [209], [269]
 Mauck, Jessica [116]
 Mauldin, Raymond [179], [240]
 Mauricio, Ana [59]
 Maxwell, Judith [138]
 May, Alejandra [38], [55]
 May, Keith [24]
 May Ciau, Rossana [230]
 Mayfield, Tracie [252]
 Mayhack, Connor [8]
 McAllister, Christine [149]
 McAnany, Patricia [20], [57], [209]
 McAuliffe, Richard [16]
 McAvoy, Scott [147]
 McBride, Kevin [13]
 McBrinn, Maxine [172]
 McCafferty, Geoffrey [133]
 McCall, Laura-Isobel [244]
 McCarthy, John [238]
 McCarthy, Katherine [84]
 McCarthy, Melinda [44]
 McCarty, Rita [52]
 McClain, Brittany [194]
 McClean, Xavier [164]
 McClintock, Thomas [111]
 McCloskey, Galen [148]
 McConaughy, Mark [99]
 McConnel, Sean [78]
 McConnell, Joseph [136], [236]
 McCool, Weston [15]
 McCormack, Steve [147]
 McCorriston, Joy [125], [226]
 McCorvie, Mary [269]
 McCoy, Mark [77], [124], [147], [262]
 McCoy, Taylor [66], [77]
 McCreary, Helen [107]
 McCreary, Shane [190]
 McCuiston, Emily [177]
 McCurdy, Leah [20]
 McDaid, Chris [9]
 McDaid, Christopher [256]
 McDermott, Michael [7], [206], [230]
 McDonald, Jo [238]
 McDonald, Morgan [63]
 McDonough, Katelyn [66], [170], [195]
 McElfresh Buford, Katie [191]
 McFarland, Douglas [8]
 McFarland, Jeremy [7], [53], [206], [230]

- McGilvray, Julie [165]
 McGlothlin, Teka [166]
 McGowan, Glenys [234], [240]
 McGrath, James [5]
 McGuire, Kelly [58]
 McGuire, Randall [79]
 McIntosh, Brandon [76]
 Mclvor, Locke [177]
 McKay, Kristin [183]
 McKechnie, Iain [271]
 McKee, Brian [93]
 McKeeby, Zachary [216]
 McKenna, Kathryn [78]
 McKenzie, Emily [147], [241]
 McKenzie, Nancy [187]
 McKeown, Ashley [169], [215]
 McKeown, C. Timothy [49]
 McKinney, Holly [82]
 McKinnon, Jennifer [221]
 McKnight, Matthew [251]
 McLaren, Whitney [52]
 McLeester, Madeleine [124]
 McMahan, Todd [248]
 McNamee, Calla [255]
 McPherron, Shannon [36]
 McRostie, Virginia [74], [171]
 Mdludlu, Ayanda [11]
 Meadow, Richard [162]
 Means, Bernard [17], [56]
 Meanwell, Jennifer [196]
 Medchill, Brian [229]
 Medina Hernández, Abril Ameyalli [121]
 Medina Martínez, Lorena [165]
 Medina Rosas, Axayacatl [121]
 Mehmetaj, Haxhi [263]
 Mehta, Jayur [18], [222]
 Meierhoff, James [160], [213]
 Meinekat, Sarah [180]
 Mejía Ramón, Andrés [189]
 Melendez, Juan [54], [166]
 Melgar, Emiliano [10], [54]
 Mellett, Claire [238]
 Meltzer, David [173]
 Menaker, Alexander [200]
 Mendelsohn, Rebecca [157]
 Mendoza, Rubén [225]
 Meng, Fanxiu [66], [77]
 Meng, Qi [35]
 Mennenga, Moritz [107], [238]
 Menzer, Jeremy [175]
 Merchant, Joe [249]
 Mercier, Simon [189]
 Merkle, Ann [48], [261]
 Merod, Zoe [56]
 Mersmann, Joy [166]
 Mertan, Tamer [83]
 Mesia-Montenegro, Christian [182]
 Messal, Sebastian [107]
 Messenger, Olivia [167]
 Messinger, Emma [178]
 Metcalfe, Duncan [245]
 Metcalfe, Megan [238]
 Metz, Micca [167]
 Meyer, Brett [76]
 Meyer, Jana [148]
 Meyer, Kelton [68]
 Meyer, Lauren [186]
 Meyer Garza, Fabiola [201]
 Meyers, Allan [197]
 Meyers, Maureen [1], [87], [123]
 Meyers, Stephen [63]
 Meza Rodriguez, Carolina [150]
 Michael, Amy [153], [184], [212], [240], [270]
 Michelet, Dominique [20]
 Micheletti, George [130], [155], [197]
 Micon, Jonathan [63]
 Middleton, Arthur [75]
 Middleton, Sherri [148]
 Mierswa, Emily [202]
 Mietes, Esther [100]
 Mikeska, Christine [22]
 Miklashevich, Elena [25]
 Milbrath, Susan [225]
 Miles, Aimee [100]
 Millaire, Jean-François [243]
 Millard, Andrew [199]
 Miller, Bryan [62]
 Miller, Christopher [6], [11]
 Miller, D. Shane [180]
 Miller, Ian [234]
 Miller, Jennifer [38]
 Miller, Kevin [194]
 Miller, Kye [193]
 Miller, Mary [265]
 Miller, Mason [147], [194]
 Miller, Mel [162]
 Miller, Melanie [61]
 Miller, Myles [135], [136]
 Miller, Naomi [124]
 Miller, Sarah [87], [146]
 Miller, Virginia [141], [225]
 Mills, Barbara [26], [29], [72], [160], [184]
 Mills, Rebekah [56]
 Milton, Emily [67], [180]
 Minc, Leah [39]
 Minerbi, Joanne [254]
 Mink, Philip [255]
 Minkoff, Mary [259]
 Minnis, Paul [98]
 Miranda, Paula [143]
 Miron Marvan, Esteban [197], [221]
 Misarti, Nicole [243]
 Mistretta, Brittany [22]
 Mitchell, Douglas [71]
 Mitchell, Mark [198]
 Mitchell, Spencer [53], [178], [230], [239]
 Mitrovica, Jerry [162]

- Mizoguchi, Koji [205]
 Mlyniec, Michael [50], [176]
 Moates, Jeffrey [193], [220]
 Moe, Jeanne [103]
 Moeller, Maddie [63]
 Moes, Emily [233]
 Molina Muñoz, Priscilla [189]
 Molinares, Stephen [184]
 Mollenhauer, Jillian [191]
 Mollerud, Katy [96], [264]
 Monaco, Farrell [118]
 Monaghan, John [188]
 Monagle, Victoria [97]
 Monahan, Eilis [210]
 Monge, Susan [76]
 Monnig, Maghan [212]
 Monroe, Cara [233]
 Montero, Gabriela [119]
 Montero, Laurene [71]
 Montgomery, Shane [155]
 Montoya, Amy [172]
 Monzon, Juan [147]
 Moody, Angela [184]
 Moody, Bryony [24]
 Moore, David [186]
 Moore, James [169]
 Moore, Summer [262]
 Moore, Tom [48]
 Moragas, Natalia [133]
 Morales, Carlos [163]
 Morales, Juan Julio [198]
 Morales, Paulino [7]
 Morales, Pedro [233]
 Morales, Reinaldo, Jr. [141]
 Morales-Aguilar, Carlos [163]
 Morcote Ríos, Gaspar [198]
 Morehart, Christopher [269]
 Morello Repetto, Flavia [61], [119], [177]
 Moreno, Federica [4]
 Moreno, Michael [147]
 Moreno de Sousa, João Carlos [73]
 Morer, Ignacio [48]
 Moretti, John [142]
 Moretti-Langholtz, Danielle [251]
 Morgan, Christopher [15], [243]
 Morgan, Kathryn [165]
 Morgan, Linda [229]
 Morgan, Robert [77]
 Morris, Rebecca [197]
 Morris, Riley [212]
 Morris, Sarah [170]
 Morrison, Alex [262]
 Morrison, Heather [5]
 Morriss, Veronica [261]
 Morrow, Juliet [103]
 Morse, Stanton [230]
 Moses, Victoria [22]
 Moss, Jeremy [203]
 Most, Rachel [98]
 Motta, Laura [234]
 Motti, Josefina [173]
 Moxham, Jasmin [202]
 Moyes, Holley [137], [237]
 Mraz, Veronica [232]
 Mrozowski, Stephen [112]
 Mt. Joy, Kristen [52], [113]
 Mueller, Natalie [78], [166]
 Muianga, Décio [250]
 Mulder, Stephennie [261]
 Mullen, Alice [204]
 Muller, Jordin [245]
 Muller, Letícia [161]
 Mullins, Patrick [174]
 Mulrooney, Mara [262]
 Mundell, Leah [184]
 Mundt, Jessica [187]
 Munoz, Cynthia [179]
 Munoz, Samuel [255]
 Muñoz, Lizette [143], [260]
 Munro, Andrew [197]
 Munro, Kimberly [174]
 Munson, Jessica [29], [155]
 Murakami, Tatsuya [128]
 Murata, Satoru [14]
 Muro, Luis [106]
 Muros, Vanessa [268]
 Murphy, Beau [224]
 Murphy, Megan [214]
 Murphy, Timothy [204]
 Murphy, Nell [96]
 Murray, John [38]
 Murray, Sarah [210]
 Murtha, Timothy [202]
 Murungi, May [11]
 Musch, Abigail [119]
 Musser-Lopez, Ruth [204]
 Myagmar, Erdene [62]
 Myers, Emlen [221]
 Myers, Joshua [167]
 Myrbo, Amy [59]
 Naegele, Kathrin [173]
 Nagaoka, Lisa [226]
 Nagaoka, Takuya [100]
 Nakatsuka, Nathan [173]
 Napolitano, Matthew [100], [135]
 Naporá, Katharine [231]
 Narasimhan, Vagheesh [173]
 Nash, Brendan [37]
 Nash, Carole [9], [220]
 Nash, Donna [5], [86], [242], [260]
 Nash, Steve [156]
 Nauman, Alissa [5]
 Navarro-Farr, Olivia [5], [209], [213], [223]
 Navas, Ana [39]
 Naveros Guizado, Marco Antonio [224]
 Nebbia, Marco [48]
 Neeley, Michael [186]
 Neff, Hector [126], [237]
 Neff, Linda [254]
 Neff, Matthew [65]
 Negash, Agazi [249]
 Negrino, Fabio [38]
 Neiman, Fraser [98]
 Neitzel, Jill [229]
 Neller, Angela [49], [96]
 Nelson, Erin [222]
 Nelson, Shaun [52]

- Neme, Gustavo [15],
 [243]
 Nesbitt, Jason [5]
 Netherly, Patricia [23]
 Neto, Manuel [11]
 Neuhoff-Malorzo,
 Patricia [53]
 Neuman, Amy [192]
 Neumann, Frank [11]
 Neves, Eduardo [161]
 Neville, Holly [178]
 Newell, Savannah
 [169]
 Newell, Zachary [147]
 Newitz, Annalee [70]
 Newland, Michael [221]
 Newlander, Khori [30]
 Newman, Richard [258]
 Newsom, Bonnie [9]
 Newton, Kathryn [97]
 Nguyen, Ai Du [100]
 NH, DHR [190]
 Nichols, Deborah [5],
 [54], [102], [152],
 [181]
 Nichols, Kristi Miller
 [113]
 Nicodemus, Amy [22]
 Nicolas Lorenzo,
 Dennis [182]
 Nicolay, Scott [137]
 Nielsen, Anna [235]
 Nielsen, Christina
 [176], [186]
 Nielsen-Grimm, Glenna
 [163]
 Nieves, Ana [141]
 Nikitina, Daria [9]
 Nims, Reno [262]
 Nina Vargas, Hortensia
 [4]
 Niquette, Charles [58]
 Niquette, Richard [8]
 Nishimura, Yoko [248]
 Nissen, Zachary [57]
 Noack Myers, Kelsey
 [95], [217]
 Noe, Sarah [233]
 Noël, Stéphane [76]
 Nolan, Kevin [97], [231]
 Noldner, Lara [172],
 [231]
 Noll, Christopher [177]
 Nores, Rodrigo [173]
- Noriega, Aldo [21]
 Norman, Garth [164]
 Norman, Scotti [32]
 Norman Brown, Lauren
 [113]
 Norris, Austin [148]
 Norton, Brandy [233]
 Nosie, Vanessa [184]
 Novotny, Anna [99]
 Novotny, Claire [53],
 [228]
 Nowak, Jesse [47],
 [166]
 Nowell, April [11]
 Nowlin, Jessica [35]
 Nuckols Wilde,
 Catherine [84]
 Nyaradi, Zsolt [169]
 Ó Donnabháin, Barra
 [134]
 Oas, Sarah [120], [171]
 Oberheim, Paul [66]
 O'Brien, Colleen [150]
 O'Brien, Kaedan [133]
 O'Brien, Michael [236]
 Oczipka, Martin [62]
 Odegaard, Nancy [79],
 [258]
 O'Donnell, Lexi [80]
 Odsuren, Davahuu [62]
 Oechsner, Amy [36]
 Ogburn, Dennis [127]
 Ogola, Christine [232]
 O'Gorman, Jodie [233]
 Ogundiran, Akin [192]
 Ohman, Alexis [271]
 Ojeda Rodriguez,
 Elizabeth [271]
 Okray, Jillian [167]
 Okumura, Mercedes
 [73]
 Ólafsson, Guðmundur
 [50]
 Olds, Julie [49]
 Oliveira, Diogo [250]
 Oliver, Scott [187]
 Olivier, Guilhem [225]
 Olmo-Enciso, Lauro
 [257]
 Olsen, Bjørnar [159]
 Olsen, Sandra [60]
 Olson, Kaelyn [147]
 Olson, Paige [44]
- Olszewski, Deborah
 [36]
 O'Mansky, Matt [252]
 Omori, Takayuki [182]
 Omura, Sachihiro [27]
 Oncebay Pizarro,
 Noemi [21]
 Ono, Rintaro [100]
 Oosterbeek, Luiz [11]
 Ordoñez, Maria [257]
 Ore, Gabriela [175]
 Orlando, Ludovic [173]
 O'Rourke, Dennis
 [100], [244]
 O'Rourke, Makayla [77]
 Orsini, Stephanie [241],
 [270]
 Ort, Jennifer [190]
 Ortega, Karla [137]
 Ortiz, Agustin [133]
 Ortiz, Byron [201]
 Ortiz, Soledad [20]
 Ortiz Brito, Alberto
 [191]
 Ortman, Scott [26], [48]
 Osborn, Jo [21], [125]
 Oseguera Sotomayor,
 Sandra [235]
 O'Shea, Colleen [21]
 O'Shea, John [238]
 Osoro, Carlos [242]
 Osorio León, José
 [102]
 Ospina, Catalina [258]
 Ostahowski, Brian [18],
 [222]
 Osterholtz, Anna [131]
 O'Sullivan, Rebecca
 [193]
 Oswald, Jessica [27]
 Otárola-Castillo, Erik
 [55], [147], [176],
 [217]
 Ouellet, Jean-
 Christophe [12]
 Outram, Alan [73],
 [173]
 Overfield, Zachary
 [165]
 Owen, Ross [30]
 Owenby, Gary [197]
 Owsley, Douglas [173]
 Oxenham, Marc [199]

- Oyuela-Caycedo, Augusto [174]
 Ozbun, Terry [198]
 Pacheco, Ellen [150]
 Pacheco-Cobos, Luis [29]
 Pacheco-Forés, Sofía [134]
 Paden, Erin [113]
 Padon, Beth [186]
 Page, Sarah [148]
 Pailles, Matthew [15], [79]
 Paine, Richard [163]
 Painter, Autumn [233]
 Painter, Jeffrey [233]
 Pajuelo Montes, Rosario Beatriz [57]
 Pal Chowdhury, Manasij [120]
 Palazzolo, Kyle [83]
 Paling, Jason [20]
 Palka, Joel [127], [204]
 Palonka, Radoslaw [60]
 Palus, Emily [92], [186]
 Palus, Matthew [193]
 Panich, Lee [214]
 Pantel, Agamemnon [192]
 Pape, W. Kevin [58]
 Paradiso, Emma [214]
 Parcero-Oubiña, César [224]
 Paredes Castro, Victor [268]
 Pargeter, Justin [216]
 Paris, Elizabeth [54], [150], [168], [196], [203]
 Parish, Ryan [30], [194]
 Park, Gayoung [55]
 Park Boush, Lisa [59]
 Parker, Adam [194]
 Parker, Candace [63]
 Parker, David [252]
 Parkinson, Jennifer [27]
 Parkinson, William [199], [255]
 Parr, Christopher [52]
 Parra, Manuel Reynaldo [101]
 Parrott, Nathan [178]
 Parsons, Jeffrey [152], [181]
 Parsons, Ted [147]
 Partlow, Megan [59]
 Pascali, Pamela [270]
 Pascual Soto, Arturo [227]
 Paspalas, Stavros [36]
 Passalacqua, Nicholas [188]
 Patch, Shawn [208]
 Patino-Contreras, Alejandro [163]
 Patrick, Shelby [165]
 Patterson, Donald [113]
 Patterson, John [203]
 Patton, Katherine [228]
 Patton, Natalie [148]
 Pauketat, Timothy [46]
 Pavel, Rosemarie [214]
 Pawlowicz, Leszek [230]
 Payne, Neal [35]
 Payntar, Nicole [17], [175]
 Pazmiño, Estanislao [201]
 Peacock, Claude [237]
 Peacock, Evan [237]
 Pearson, Charlotte [24]
 Pearson, Kristen [62]
 Peck, Katherine [252]
 Pecora, Albert [188]
 Pedro Black, Marielle [148]
 Peebles, Matt [29], [116], [120], [123]
 Pelletier, Maxime [36]
 Pelton, Spencer [68]
 Peña, Jose [105], [240], [242]
 Penfil, Rachael [260]
 Peniche May, Nancy [197]
 Pepe, James [193]
 Perales, Manuel [200]
 Peraza Lope, Carlos [20], [138]
 Perdikaris, Sophia [252]
 Peregrine, Peter [254]
 Pereira, Grégory [20]
 Peres, Tanya [76], [118]
 Perez, Carlos [239]
 Perez, Daniel [142]
 Perez, Gary [16]
 Pérez, Ventura [131]
 Pérez Cubas, Kelita [21], [125]
 Perez-Robles, Griselda [209]
 Perrotti, Angelina [8], [235]
 Perry, Jennifer [160]
 Perry, Megan [80]
 Person, Dylan [6]
 Pestle, William [271]
 Peter, Duane [154]
 Peters, Ann [21]
 Peters, Kara [76]
 Peterson, Kateea [120], [270]
 Peterson, Ryan [167], [202]
 Petras, Elysia [172]
 Petrie, Cameron [48], [272]
 Petrie, Jacob [187]
 Pettigrew, Devin [69]
 Peuramaki-Brown, Meaghan [178]
 Pevny, Charlotte [17]
 Pfeiffer, Susan [171], [240]
 Phanomvan, Phacharaphorn [48], [110]
 Phelps, Danielle [252], [263]
 Phillips, Bruce [79], [175]
 Phillips, Emily [255]
 Phillips, Erin [47]
 Phillips, Keenan [234]
 Phillips, Lori [14]
 Phillips, Natasha [11]
 Phipps, Raymond [259]
 Phon, Kaseka [28]
 Pierce, Daniel [39], [150]
 Pierson, Arielle [254]
 Piezonka, Henny [62]
 Pike, Jean [197]
 Pike, Sabrina [5]

- Pilaar Birch, Suzanne [27]
 Pilles, Peter [92]
 Pineda, Daniel [121]
 Pineda de Carias, Maria-Cristina [130]
 Pink, Christine [169]
 Piño, Mariela [224]
 Pinta, Elie [50]
 Pintar, Elizabeth [125]
 Pinto Lima, Helena [161]
 Pitblado, Bonnie [31], [43], [88]
 Plank, Shannon [128]
 Plattner, Paige [173]
 Platz, Lorelei [157]
 Plekhov, Daniel [242]
 Plets, Gertjan [221]
 Plevniak, Kelly [120]
 Plog, Stephen [98]
 Pluckhahn, Thomas [29], [135]
 Plumlee, R. Scott [229]
 Plunket Nagoda, Patricia [119]
 Pobiner, Briana [27], [76]
 Poister, Nicholas [137]
 Pollack, David [129], [190]
 Polo y La Borda, Martin [242]
 Pompeani, Katherine [35]
 Pomstra, Diederik [199]
 Ponce, Jocelyne [130]
 Pool, Christopher [102], [126]
 Pool, Kelly [56]
 Pool, Marilen [258]
 Pope, Melody [172]
 Popovici, Catherine [109]
 Porcayo Michelini, Antonio [170]
 Porter, Keri [147]
 Porter, Mark [150]
 Portman, Katherine [148]
 Porubcan, Paula [160], [213]
 Postemski, Megan [213]
 Posth, Cosimo [244]
 Pott, Laura [242]
 Potter, Ben [82]
 Potter, Bethany [244]
 Poulin, Mairead [79]
 Powell, Allie [167]
 Powell, Evelyn [162], [252]
 Powers, Michael [9]
 Powis, Terry [130], [197]
 Pratt, Jordan [75], [195]
 Pratt, Lauren [6]
 Pratt, William [201]
 Prebble, Matthew [124]
 Prendergast, Eric [3], [193]
 Prentiss, Anna [5]
 Preucel, Robert [41], [112]
 Prewitt, Elton [16]
 Price, Douglas [173]
 Price, Kyra [221]
 Price, Neil [50]
 Price, Seth [35]
 Prieto, Gabriel [174]
 Prignano, Luce [48]
 Primeau, Kristy [25]
 Prince-Buitenhuys, Julia [153]
 Priola, Victoria [35]
 Pritchard, Erin [60], [193]
 Prociuk, Nadya [108]
 Proenza, Joaquín [246]
 Proulx, Benoit [196]
 Prout, Michael [137]
 Prouty, Michael [147]
 Pruffer, Keith [7], [29], [233], [270]
 Psoma, Aikaterini [199]
 Puckett, Neil [238]
 Puente, Nicholas [150]
 Puértolas, Carlos [10]
 Punzo Díaz, José Luis [173], [198]
 Putnam, Shanda [240]
 Pyburn, Karen Anne [226]
 Pye, Jeremy [240]
 Quackenbush, William [96]
 Quates, E. W. Duane [185]
 Quave, Kylie [242]
 Quezada, Osiris [20]
 Quilca, James [268]
 Quilter, Jeffrey [106]
 Quinn, Allen [222]
 Quinn, Colin [5], [35], [253]
 Quintana Moranes, Eréndira [22]
 Quintus, Seth [226]
 Quiroz, Carlos [206]
 Quiroz, Itzel [66]
 Rabinow, Sophie [244]
 Rabinowitz, Adam [24], [169]
 Radde, Hugh [72]
 Rademaker, Kurt [67], [180]
 Radican, Kelsey [38]
 Rae, Todd [159]
 Rafidi, Brianna [99]
 Railey, Jim [177], [194]
 Rainville, Charles [63]
 Raja, Mussa [11], [250]
 Rakita, Gordon [87]
 Rakotozafy, Lucien [76]
 Rakowski, Rebekah [120]
 Ralston, Clairia [131]
 Ramirez, Estevan [7]
 Ramirez Galicia, Alfonso [198]
 Ramon Celis, Pedro [204]
 Ramos Berrios, Alanis [37]
 Ramsey, James [101]
 Ramsey, Monica [171]
 Randall, Asa [23], [63]
 Rankin, Caitlin [59]
 Ranum, Caleb [147]
 Rapes, John [55], [176], [236]
 Rareshide, Elisabeth [254]
 Rashed, Tarek [248]
 Rasic, Jeffrey [82], [253]
 Raskevitz, Thornton [75]
 Rautman, Alison [88]
 Ravotto, Alessandro [159]
 Rawski, Zoe [158]

- Ray, Agnes [176]
 Ray, Erin [137], [233]
 Rayfield, Kristen [169], [244]
 Raynal, Jean-Paul [30]
 Read, Sara [87]
 Ream, Randy [92]
 Reamer, Justin [269]
 Reaux, Derek [195]
 Rebbe, Claire [63]
 Redding, Richard [22]
 Redman, Kimberly [253]
 Reed, Paul [229]
 Reeder-Myers, Leslie [59], [88], [172]
 Reedy, Chelsea [241]
 Reents-Budet, Dorie [126]
 Rees, James [266]
 Rees, Mark [9]
 Reese, Kelsey [134], [147], [149]
 Regnier, Amanda [107], [189], [222]
 Reich, David [173]
 Reid, Amy [187]
 Reid, David [105]
 Reid, James [156]
 Reid, LaMarise [43]
 Reid, Rachel [35]
 Reilly, Frank [47], [166]
 Reilly, Sophie [54], [105]
 Reinhard, Karl [247]
 Reinhart, David [175]
 Reis, Yevgenia [173]
 Reitze, William [68]
 Renaud, Jared [186]
 Renson, Virginie [237]
 Reuther, Joshua [82], [202]
 Reyes, Omar [61], [177]
 Reyes Parroquin, Maria [227]
 Rezes, Emily [268]
 Rhode, David [170]
 Rice, Sarah [8]
 Rich, Michelle [109], [166]
 Richards, John [78]
 Richards, Nathan [221]
 Richards, Patricia [167]
 Richards-Rissetto, Heather [25], [155]
 Richissin, Caleigh [178]
 Richter, Jürgen [162]
 Richter, Kim [144], [191], [227]
 Rick, Torben [100], [129]
 Ricker, Matthew [130]
 Ricketts, Macy [244]
 Ridge, William [34], [199]
 Riebe, Danielle [199]
 Riehl, Simone [36]
 Riehm, Grace [78]
 Riemersma, Gert [147]
 Rieth, Timothy [24], [100], [135], [262]
 Riethmuller, Douglas [203]
 Rigaud, Jean-Philippe [36]
 Riggs, Erin [204]
 Riley, Tim [89], [258]
 Ringberg, Jennifer [106]
 Ringle, William [230]
 Ringstaff, Christopher [194]
 Rios Allier, Jorge [231]
 Risner, Lacy [227]
 Rissolo, Dominique [33], [238]
 Ritchison, Brandon [63]
 Ritter, Alexandra [242]
 Rivas, Alexander [151]
 Rivera, Antonieta [269]
 Rivera, Jordi [174]
 Rivera, Michael [37]
 Rivera Infante, Arturo [242]
 Rivera Prince, Jordi [174]
 Rizzo, Adriana [258]
 Rizzo, Florencia [143]
 Rizzolo, Alexis [244]
 Roa, Ian [178]
 Robb, Matthew [84], [166]
 Robbins, Andrew [147]
 Robbins, Brady [148]
 Robbins, Helen [218]
 Robbins, Karinne [77]
 Roberts, James [59]
 Roberts, Jerod [16]
 Roberts, Madison [37]
 Roberts, Tim [16]
 Roberts, Victoria [16]
 Robertson, Ian [102]
 Robins, Morgan [65]
 Robinson, Erick [26], [177], [183], [217]
 Robinson, Eugenia [60], [237]
 Robinson, Francis [190]
 Robinson, Mark [198]
 Robles García, Nelly [145]
 Rocha, Bruna [161]
 Roche Recinos, Alejandra [54], [265]
 Rockwell, Heather [190]
 Rodas, Ricardo [128], [265]
 Roddick, Andrew [105]
 Rodgers, Emily [4]
 Rodning, Christopher [239]
 Rodriguez, Anabelle [57]
 Rodriguez, Katherine [215]
 Rodriguez, Maria Fernanda [125]
 Rodriguez, Mónica [225]
 Rodríguez-Alegría, Enrique [239]
 Rodríguez Ceja, María [101]
 Rodríguez Osorio, Daniel [246]
 Rodríguez Pascua, Miguel [197]
 Rodríguez Romero, Carol [243]
 Rogers, Ashleigh [27]
 Rogers, J. Daniel [26]
 Rogers, Thatcher [71]
 Rojas, Manuel [74]
 Rojas Sepulveda, Claudia [134]
 Roldan, Jonathan [53], [178]
 Rolett, Barry [24]
 Rollefson, Gary [125]

- Rolph, Kevin [213]
 Román, Katherine [141]
 Roman-Ramirez, Edwin [209]
 Romero, Ashuni [189]
 Romero, Danielle [122]
 Romih, Sasha [165]
 Rondeau, Rob [82], [238]
 Roney, John [5], [122], [156]
 Rooney, Matthew [3]
 Roos, Christopher [117], [255]
 Roosevelt, Anna [127]
 Rosales, Edgar [10]
 Rosales, Verónica [260]
 Rosch, Heather [159]
 Roscoe, Paul [146]
 Rosen, Arlene [40], [62], [125], [171]
 Rosen, Steven [171]
 Rosencrance, Richard [66], [170], [195], [236]
 Rosenswig, Robert [23], [26]
 Roskams, Steve [188]
 Rospopo, Steven [236]
 Rossi, Franco [57], [138]
 Rossouw, Lloyd [162]
 Rotella, Brianna [239]
 Roth, Barbara [6], [136]
 Routledge, Jennifer [76]
 Rovánpera, Jennifer [236]
 Rowan, Yorke [125]
 Rowe, Brian [30]
 Rowe, Chris [187]
 Rowe, Robert [198]
 Rowe, Sarah [257]
 Rowe, Victoria [36]
 Royal, Kyleigh [17]
 Royer, Julien [78]
 Rozwadowski, Andrzej [25]
 Rubinatto Serrano, Juliana [36]
 Rubio, Alison [184]
 Ruby, Bret [107]
 Ruffe, Danielle [206]
 Ruhl, Thomas [178]
 Ruiz, Judith [225]
 Rumberger, Jacklyn [189]
 Runggaldier, Astrid [14], [17], [109], [128]
 Rusch, Bruce [190]
 Russ, Jon [63], [211], [215]
 Russell, Bradley [20], [138], [269]
 Russell, James [235]
 Rutherford, Cady [53], [178], [230]
 Ruvalcaba, José Luis [20]
 Ruzo, Luis Octavio [242]
 Ryan, Elisa [92]
 Ryan, Karen [50]
 Ryan, Kimberley [92]
 Ryan, Susan [149]
 Ryden, Ronald [79]
 Rye, Elayne [8]
 Sabatke, Stephen [44]
 Sabloff, Jeremy [102]
 Sabo, George, III [107], [166]
 Sadori, Laura [234]
 Safronov, Alexander [164]
 Sahib, Mohammed [252]
 Sakai, Sachiko [237]
 Salas Bautista, Eva [101]
 Salazar, Lucy [182]
 Salazar Chávez, Victor [211], [235]
 Saldana, Melanie [137]
 Saldaña, Gabriela [178]
 Salgado, Silvia [168]
 Samson, Alice [239]
 Samuels, Amanda [72]
 Samuelson, John [107], [222]
 San Román, Manuel [61], [119], [177]
 Sanchez, Fabiola [204]
 Sánchez de la Torre, Marta [30]
 Sánchez-Miranda, Guadalupe [79]
 Sanchez Morales, Lara [206]
 Sánchez Mosquera, Amelia [257]
 Sánchez Torres, Edgar Octavio [191]
 Sandeford, David [26]
 Sanders, Mariana [71]
 Sandgathe, Dennis [36]
 Sandman, Larry [63]
 Sandweiss, Daniel [8], [23], [59]
 Saniel-Banrey, Maria [63]
 Santana Sagredo, Francisca [61]
 Santasilla, Catharina [168]
 Santiago, Louis [178]
 Santillan Goode, Julianna [61], [267]
 Santoro, Calogero [74], [171]
 Santos, Amanda Grace [231]
 Saper, Shelby [66]
 Saracino, Jennifer [127]
 Sarathi, Akshay [249]
 Sassaman, Kenneth [23], [70]
 Sattler, Robert [202]
 Saucedo, Alfredo [150]
 Saul, Julie [53], [178]
 Saule, Jolyane [17]
 Savenkova, Tatyana [173]
 Sawchuk, Elizabeth [171]
 Sawyer, Johann [47], [166]
 Scaffidi, Beth [61], [243]
 Scarborough, Vernon [33], [98]
 Schach, Emily [5], [242], [260]
 Schachner, Gregson [98]
 Schaefer, Benjamin [160]

- Schaefer, Jonathan [203]
 Scham, Sandra [159]
 Schank, Cody [206]
 Scharf, Elizabeth [78]
 Scheinsohn, Vivian [143]
 Schele, Elaine [130]
 Scherer, Andrew [54], [126], [202], [209], [265]
 Schiery, Ben [55], [176]
 Schleher, Kari [147], [149]
 Schloeman, Thomas [37]
 Schloss, Rachel [197]
 Schmader, Matthew [239]
 Schmidt, Kari [129]
 Schmidt, Morgan [161]
 Schmidt, Patrick [162], [216]
 Schmidt, Ryan [244]
 Schmitt, David [22]
 Schneider, Danielle [91]
 Schneider, Joan [89]
 Schneider, M. Jesse [271]
 Schneider, Tsim [214]
 Schnell, Joshua [143]
 Schoeninger, Margaret [61]
 Schofield, Abigail [242]
 Schollmeyer, Karen [122], [156]
 Scholnick, Jonathan [213]
 Schroder, Verginica [159]
 Schroder, Whittaker [202]
 Schroeder, Bryon [8], [101]
 Schroeder, Eric [169]
 Schroeder, Sissel [255]
 Schuldenrein, Joseph [132]
 Schultz, Julian [76]
 Schurr, Mark [124]
 Schurr, Theodore [100], [169]
 Schwartz, Christopher [129]
 Schwarz, Kevin [55]
 Schwindt, Dylan [147]
 Scott, Ann [137]
 Scott, Jorden [122], [136]
 Scott, Michael [64]
 Scott Cummings, Linda [66], [119], [180]
 Scullin, Dianne [25]
 Sealy, Judith [240]
 Searcy, Michael [147], [169], [173]
 Seare, Abraham [268]
 Searles, Jessica [213]
 Sears, Erin [168]
 Sebastian, Lynne [58]
 Sedig, Jakob [136], [173]
 Seersholm, Frederik [19]
 Segsneider, Martin [238]
 Seibel, Scott [9]
 Seidel, Andrew [99]
 Seidemann, Ryan [80], [248]
 Seikel, Katherine [100], [176], [194]
 Seitsonen, Oula [62]
 Selden, Robert, Jr. [17], [95]
 Self, Caleb [252]
 Seligson, Ken [20], [230]
 Sellet, Frederic [244]
 Seltzer, Heather [214]
 Semanko, Amanda [270]
 Semon, Anna [119], [185]
 Seowtewa, Octavius [127], [156]
 Sepulveda, Marcela [74]
 Serafin, Stanley [237]
 Sesler, Leslie [165]
 Settle, Kathleen [167]
 Seyler, Samantha [105]
 Shackley, Steven [5], [203]
 Shafer, Harry [136]
 Shakour, Katherine [134]
 Shannon, Robert [203]
 Shao, Huiqiu [212]
 Shapiro, Craig [77]
 Sharkey, Elizabeth [186]
 Sharon, Gonen [60]
 Sharp, Kayeleigh [182], [254]
 Sharpe, Ashley [27]
 Sharratt, Nicola [127], [260]
 Shaw, Justine [130]
 Shaw, Ryan [24]
 Sheets, Kimberly [270]
 Sheets, Payson [46], [90], [157]
 Shelach-Lavi, Gideon [62]
 Shelley, Nathan [81]
 Shen, Chen [94]
 Sheng, Lishuang [162]
 Shephard, Christopher [251]
 Sherfield, Anne [7]
 Sheridan, Susan [35]
 Sherman, Diana [172]
 Sherman, Jason [229]
 Sherman, Simon [194], [237]
 Sheumaker, Christian [230]
 Shev, Gene [271]
 Shikrallah, Elizabeth [122], [148], [150]
 Shimada, Izumi [5], [105]
 Shin, Dong Hoon [244], [247]
 Shinoda, Ken-ichi [105]
 Shirar, Scott [82]
 Shiratori, Yuko [227]
 Sholts, Sabrina [242]
 Shott, Michael [17], [253]
 Shrestha, Ramesh [206]
 Sides, Lauren [51]
 Sieg, Lauren [96]
 Siegel, Peter [221]
 Siegert, Courtney [215]
 Sievert, April [172], [248]

- Sillar, Bill [127]
 Silliman, Stephen [112]
 Silva, Fabiola [161]
 Silva Sifuentes, Jorge [268]
 Silverstein, Jay [192]
 Simbine, Celso [250]
 Simborth, Erika [268]
 Simek, Jan [60]
 Simmons, Alan [199]
 Simmons, Wilson [80]
 Simon, Mary [233]
 Simon, Rebecca [43], [154], [193]
 Simova, Borislava [158]
 Simpson, Diana [131]
 Sincerbox, Susan [76]
 Sinclair-Thomson, Brent [60]
 Sinensky, R. J. [148]
 Singer, Zachary [13]
 Singh, Ravindra [272]
 Singleton, Robin [244]
 Sinopoli, Carla [88]
 Sipes, Eric [193]
 Sirak, Kendra [173]
 Sitdikov, Airat [173]
 Sitek, Matthew [61], [105], [243], [267]
 Skaggs, Sheldon [197]
 Skibo, James [255]
 Skinner, Dougless [52]
 Skinner, Jane [234]
 Skipton, Tara [18]
 Skowronek, Russell [6], [126]
 Slade, Alan [198]
 Slane, Brittany [76]
 Slatowski, Jenna [3]
 Slaughter, Michelle [78], [154], [214]
 Sload, Rebecca [137]
 Sloan, Anna [160]
 Slotten, Venicia [157]
 Smallwood, Ashley [17], [232]
 Smeeks, Jessica [105]
 Smit, Douglas [32], [57]
 Smith, Alexander [35]
 Smith, Benjamin [111]
 Smith, Byron [230]
 Smith, Charles [132]
 Smith, Derek [271]
 Smith, Donald [60]
 Smith, Emily [254]
 Smith, Geoffrey [195]
 Smith, Gerad [82]
 Smith, Heather [17], [66], [77], [148]
 Smith, Jaye [142]
 Smith, Jessica [37]
 Smith, Jolene [95], [217]
 Smith, Karen [56]
 Smith, Kevin [50]
 Smith, Laura [56]
 Smith, Maria [119], [239]
 Smith, Mark [132]
 Smith, Michael [26], [102]
 Smith, Morgan [18], [147], [238]
 Smith, Rachel [64]
 Smith, Ryan [224]
 Smyth, Heather [99]
 Snider, Joseph [176]
 Snitker, Grant [77], [117]
 Snow, Meradeth [169], [173], [244]
 Sobel, Elizabeth [213]
 Soe, Naing [28]
 Soe, Nyein Chan [28]
 Soficaru, Andrei [169]
 Soler-Arechalde, Ana [10]
 Solis, Kristina [179]
 Solis, Reyna [10]
 Solometo, Julie [98]
 Somerville, Andrew [78], [133], [153], [233]
 Sommer, Christian [11]
 Son, Pham Thanh [17]
 Sonderman, Elanor [172]
 Song, Jixiang [35], [36]
 Sorrell, Daniel [255]
 Sorrosso, Dominique [123]
 Soza, Danielle [23]
 Spain, Emman [113]
 Sparks, Shane [252]
 Sparrow, Tom [107]
 Spaulding, Britta [159]
 Speakman, Robert [231]
 Speller, Camilla [129]
 Spenard, Jon [137]
 Spence Morrow, Giles [32]
 Spencer, Charles [17]
 Spencer, Kaylee [164]
 Spicola, Erin [254]
 Spiess, Arthur [9]
 Spitzer, Megan [129]
 Spivak, Deborah [243]
 Spivey, S. Margaret [166]
 Splitstoser, Jeffrey [164]
 Sponheimer, Mathew [189]
 Sportman, Sarah [13]
 Spring, Ryan [116]
 Springer, Corinne [245]
 St. Amand, Frankie [59]
 Stabenow, Ashley [202]
 Stacey, Rebecca [258]
 Stadler, Harald [188]
 Stafford, Thomas, Jr. [19], [66]
 Stagg, Sarah [243]
 Stainton, Adrienne [215]
 Staller, John [197]
 Stanish, Charles [152], [181]
 Staniuk, Robert [263]
 Stanley, Harrison [63]
 Stanton, Travis [5], [102], [225]
 Stanyard, Zachary [53]
 Stark, Barbara [227]
 Stark, Miriam [168]
 Starkovich, Britt [162]
 Stasiak, Artur [160], [213]
 Stauffer, John [47], [166]
 Steadman, David [27]
 Steelman, Karen [16]
 Steere, Benjamin [160], [208]
 Steffen, Anastasia [9]
 Stein, Kristoffer [221]
 Steinbach, Erik [79]

- Steinbrenner, Larry [168]
 Steinman, Charles [50]
 Stelle, Lenville [60]
 Stelson, Laura [64]
 Stemp, W. James [23]
 Stempfle, Sabrina [250]
 Stenstrom, Sydney [148]
 Stephan, Robert [210]
 Stephen, Jesse [188]
 Stephens Reed, Lori [229]
 Steponaitis, Vincas [96], [202]
 Sterling, Kathleen [1]
 Sterner, Katherine [232]
 Stevens, Jamie [129]
 Stevenson, Christopher [35]
 Stewart, Benjamin [78]
 Stewart, Brian [76]
 Stewart, Caitlin [142]
 Stewart, Carlyn [184]
 Stewart, Carolyn [44]
 Stinchcomb, Gary [8]
 Stine, Linda [259]
 Stinson, Susan [1]
 Stock, Janet [16]
 Stock, Jay [38]
 Stocker, Terry [2]
 Stöckli, Matthias [266]
 Stokes, Robert [136], [156]
 Stoll, Anne [60]
 Stone, Abigail [216]
 Stone, Jane [52]
 Stone, Jessica [100], [135]
 Stone, Pamela [131]
 Stone, Sam [195]
 Stone, Tammy [156]
 Stoner, Wesley [168], [196], [237]
 Storey, Rebecca [152], [181]
 Straight, Kirk [126]
 Strait, Madeleine [218]
 Strasser, Thomas [175]
 Stratford, Dominic [11]
 Strauss, André [244]
 Strauss, Stephanie [191]
 Strawhacker, Colleen [125]
 Strawn, James [180]
 Strickland, Scott [251]
 Striker, Sarah [98]
 Stroebel, Kelsi [38]
 Stroth, Luke [130], [197]
 Stuart, David [138], [223]
 Stubing, Michael [79]
 Stueber, Daniel [236]
 Sturtz, Sara [195]
 Su, Kai [34]
 Suárez, Rafael [73]
 Sugiura, Yoko [133]
 Sugiyama, Nawa [244]
 Sullivan, Alan [117], [255]
 Sullivan, Julia [234]
 Sullivan, Kelsey [232]
 Sullivan, Lauren [53], [168]
 Sullivan, Timothy [168]
 Summers-Wilson, Rachel [169]
 Sun, Nan [19]
 Sun, Yufeng [35]
 Sundstrom, Linea [103]
 Sunell, Scott [247]
 Supernant, Kisha [1], [202]
 Surovell, Todd [82], [180], [244], [270]
 Šušnjic, Dalibor [35]
 Sutherland, Kenneth [182]
 Sutter, Richard [174]
 Sutton, Mark [258]
 Sutton, Wendy [92]
 Suyuc, Edgar [163]
 Swanson, Steve [229]
 Swedlund, Alan [131]
 Swenson, Edward [32], [210]
 Swogger, John [100]
 Swope, Karen [247]
 Szpak, Paul [64], [76], [243]
 Szumilewicz, Amy [105], [242]
 Szymanski, Ryan [234]
 Tackney, Justin [100], [244]
 Taivalkoski, Ariel [270]
 Takatsuchi, Ryohei [248]
 Talliaferro, Matthew [77]
 Tamberino, Anthony [147]
 Tanasi, Davide [104]
 Tang, Guitao [45]
 Tankersley, Kenneth [63], [258]
 Tankosic, Zarko [199]
 Tardio, Katie [27]
 Tarleton, Matthew [197]
 Tatem, Joy [177]
 Taube, Karl [138], [164], [225]
 Taylor, Christine [53]
 Taylor, Corinne [80]
 Taylor, Ian [198]
 Taylor, Kelley [129]
 Taylor, William [62], [119]
 Tazza, Alejandra [260]
 Teeman, Diane [97]
 Tegtmeier, Caryn [131]
 Tellez, Joe [16]
 Tembe, Enio [250]
 Temese, Seiuli [252]
 Tennie, Claudio [162]
 Terry, Richard [163]
 Tessone, Augusto [61]
 Testolini, Veronica [196]
 Tew-Todd, Victoria [8]
 Thacker, Paul [36]
 Thaher, Ahmad [199]
 Thakar, Heather [237]
 Thies-Sauder, Meagan [114]
 Thimmig, Rachel [119]
 Thomas, Jayne-Leigh [49]
 Thomas-Oates, Jane [229]
 Thompson, Neil [66]
 Thompson, Amy [7], [26], [29], [155]
 Thompson, Ashleigh [41]
 Thompson, Helen [196]
 Thompson, Ian [43]

- Thompson, Jessica [38]
 Thompson, Josie [163]
 Thompson, Kerry [184]
 Thompson, Lauri [53], [178]
 Thompson, Lenore [71]
 Thompson, Mary [76]
 Thompson, Thomas [193], [236]
 Thompson, Victor [59], [140], [231], [271]
 Thomsen, Tamara [192]
 Thornton, Erin [14], [76], [129], [178], [233]
 Throgmorton, Kellam [149]
 Thulman, David [17]
 Tiesler, Vera [173], [225]
 Tilden, Douglas [158]
 Tillison, Kevin [85]
 Tincu, Sorin [159]
 Ting, Carmen [128]
 Ting, Kathryn [213]
 Tippin, Gary [254]
 Tizzard, Louise [238]
 Todd, Lawrence [65], [75], [236], [249]
 Toffolo, Michael [162]
 Toftgaard, Casper [212]
 Tokovinine, Alexandre [54], [223], [265]
 Tolan, Grace [63], [215]
 Tolmie, Clare [213]
 Tomazic, Iride [34]
 Tomczyk, Weronika [27]
 Tomich, Kassi [177]
 Toney, Elizabeth [77]
 Toney, Joshua [188]
 Toohey, Jason [106], [243]
 Toomey, Rickard [19]
 Torquato, Melissa [176]
 Torres, Jimena [177]
 Torres, Lourdes [257]
 Torres Morales, Genesis [169]
 Torres Porras, Alicia [119]
 Torvinen, Andrea [123]
 Toussaint, Mark [131]
 Trabanino, Felipe [211]
 Trachman, Rissa [53], [233]
 Tran, Tara [77]
 Trapani, Paolino [104]
 Traslaviña, Abel [224]
 Tremayne, Andrew [64]
 Triadan, Daniela [93], [126]
 Tribolo, Chantel [162]
 Trigg, Heather [112], [125]
 Trimble, Michael [132]
 Trimmis, Konstantinos [36]
 Trinidad-Rivera, Gelenia [192]
 Triplett, Taylor [251]
 Tritsch, Michael [263]
 Troccoli, Ruth [193]
 Troendle, Kimberly [65]
 Trombetta, Lindsey [249]
 Troncoso, Andres [224], [243]
 Trousdale, William [205]
 Trubitt, Mary Beth [166]
 Trusler, Kate [85], [159], [212]
 Tryon, Christian [162]
 Tsai, Che-hsien [196]
 Tsai, Howard [106]
 Tsermdagva, Yadmaa [62]
 Tsesmeli, Evangelia [186]
 Tsuji, Leonard [252]
 Tsuji, Stephen [252]
 Tsukamoto, Kenichiro [7], [130], [197], [232]
 Tsurumi, Eisei [182]
 Tucker, Bryan [140]
 Tucker, Gregory [107]
 Tucker, Kaley [177]
 Tuitavuki, Kylie [91]
 Tulchin, Jon [186], [262]
 Tullo, Dominic [82], [184]
 Tune, Jesse [180]
 Tung, Tiffany [61]
 Turcanu-Carutiu, Daniela [159]
 Turley, Cameron [50]
 Turner, Bethany [131]
 Turner, Michelle [147], [149], [235]
 Tushingam, Shannon [15], [72], [233]
 Two Bears, Davina [41]
 Tykot, Robert [80], [159], [199]
 Tzortzopoulou-Gregory, Lita [36]
 Uchida, Junko [205]
 Ugalde, Paula [74]
 Ugras, Funda [83]
 Ulm, Sean [238]
 Umbelino, Claudia [34]
 Ungar, Peter [147]
 Urban, Thomas [64]
 Ure, Scott [147]
 Uribe, Mauricio [61], [105]
 Uruñuela Ladrón de Guevara, Gabriela [119]
 Usai, Alessandro [196]
 Utting, Benjamin [36]
 Uzzle, Stephen [122]
 Vacca, Kirsten [91]
 Vadala, Jeffrey [175]
 Vagnetti, Lucia [196]
 Vaiglova, Petra [159]
 Vail, Gabrielle [2], [88], [138]
 Val, Aurore [11]
 Valdes, Alejandro [173]
 Valdez, Fred, Jr. [53], [169], [253]
 Valentin Maldonado, Norma [10], [144]
 Valle de Tarazaga, Fran [240]
 Vallejos, Joshua [71], [91]
 Van Alst, Emily [41], [60]
 Van Alstyne, Benjamin [142]

- van Dommelen, Peter [196]
 van Dongen, Bart [120]
 Van Dyke, Ruth [108]
 Van Etten, Heidi [193]
 van Gijn, Annelou [199]
 Van Gijseghem, Hendrik [231]
 van Keulen, Fred [215]
 Van Keuren, Scott [120]
 van Leeuwen, Willem [186]
 Van Slyke, Andrew [18]
 Vance, Ashley [257]
 Vander Linden, Marc [173]
 Vandergugten, John [77]
 VanderHoek, Richard [69]
 VanDerwarker, Amber [1], [72]
 Vandiver, Pamela [261]
 Vang, Natasha [61]
 VanPool, Christine [99], [136]
 VanPool, Todd [136]
 VanValkenburgh, Parker [32], [242]
 Vanzetti, Alessandro [196], [207]
 Vargas, Juan Pablo [257]
 Varien, Mark [147]
 Varillas, Rosa María [243]
 Varley, Emily [51]
 Varney, R. A. [66]
 Vasquez Pazmino, Josefina [119]
 Vaughn, Kevin [21]
 Vavrasek, Jessica [29]
 Vázquez-de-Agredos-Pascual, María [10]
 Veach, Shawna [53], [230]
 Vega, Enrique [28]
 Vehik, Susan [213]
 Velasco Alban, Janny [257]
 Velásquez García, Erik [223]
 Velazquez, Adrian [10]
 Velázquez Castro, Adrián [144]
 Velázquez Galindo, Yuribia [269]
 Velchhoff, Nancy [73], [170]
 Véliz, Vito [130]
 Venter, Marcie [227]
 Vento, Frank [222]
 Ventresca Miller, Alicia [244]
 Vepretskii, Sergei [130], [223]
 Verbaas, Annemieke [199]
 Vernon, Kenneth [195]
 Vestuto, Matthew [160]
 Vetrisano, Lucas [198], [232]
 Vianello, Andrea [118], [159], [199]
 Vidal-Guzmán, Cuauhtémoc [189]
 Vilar, Miguel [100], [173]
 Villalpando, Elisa [79], [240]
 Villalva, Daniela [266]
 Villarreal, Alessandra [158]
 Villasana, Isabell [205]
 Villasenor Iribe, Eunice [269]
 Villaverde, Valentín [162]
 Villegas, Gabriel [106]
 Vilshansky, Gregory [100]
 Vincent, Brice [205]
 Vining, Benjamin [59], [125], [220]
 Vint, James [24]
 Viola, Tony, IV [184]
 Viskanta Khokhriakova, Sandra [223]
 Vivian, R. Gwinn [98]
 Vlok, Melandri [62]
 Vokes, Arthur [172]
 Volta, Beniamino [197]
 Voorhies, Barbara [237]
 Vorderstrasse, Tasha [261]
 Vranich, Alexei [127]
 Vujevic, Dario [85]
 Vyazov, Leonid [173]
 Vyhmeister, Joy [247]
 Wade, Angela [184]
 Wade, Lizzie [70]
 Wade, Mariah [108]
 Wadley, Lyn [11]
 Wadsworth, William [202]
 Wagner, Dustin [122], [136]
 Wagner, Logan [145]
 Wagner, Mark [269]
 Wagner, Stephen [95], [183]
 Wagner, Ursula [5]
 Wagoner, Ashlyn [122]
 Waite, Danielle [5]
 Walden, John [155], [169], [178], [230]
 Waldo, Brian [137]
 Waldrip, Ashley [179]
 Walker, Chester [192]
 Walker, John [4]
 Walker, Karen [59], [146]
 Walker, William [122], [136]
 Walker, Chet [21]
 Wall, Peggy [179]
 Wallace, Rod [124]
 Waller, Steven [25]
 Waller, Joseph (Jay), Jr. [12]
 Walling, Stanley [53], [230]
 Wallis, Neill [29], [80], [123]
 Wallman, Diane [239]
 Walsh-Haney, Heather [18], [188]
 Walter, Richard [40]
 Walz, Jonathan [249]
 Wang, Chunxue [36], [162], [212]
 Wang, Jiajing [45]
 Wang, Jiaqi [36], [162], [212]
 Wang, Li-ying [55], [139]
 Wann, Kevin [77]
 Ward, Allegra [63]
 Ward, Grace [235]
 Ward, Maxwell [201]

- Ward, Naomi [244]
 Wardle, Joseph [194]
 Warner, Jacob [174]
 Warner, Mark [89],
 [132]
 Wasse, Alexander
 [125]
 Watanabe, Shinya
 [106]
 Waterman, Anna [78]
 Waters, Albert [77]
 Waters, Gifford [123]
 Waters, Michael [19]
 Watkins, Joe [1], [207]
 Watkins, Tia [130],
 [158], [178]
 Watling, Jennifer [161]
 Watson, Adam [98]
 Watson, April [228]
 Watson, James [180],
 [240]
 Watson, Jessica [12]
 Watson, Valerie [56]
 Watt, David [9]
 Wattenmaker, Patricia
 [205]
 Watts, Corinne [34]
 Watts Malouchos,
 Elizabeth [70]
 Waweru, Veronica
 [232]
 Way, Phylicia [37]
 Wayman, Joseph [162]
 Weakley, Jacob [63]
 Weaver, Brendan [143]
 Webb, Dallin [194]
 Webb, Elizabeth [54]
 Weber, June [192]
 Weber, Marion [246]
 Weber, Sadie [61]
 Weber, Steven [205]
 Webster, Chris [95],
 [183]
 Webster, David [102],
 [152], [181]
 Webster, Laurie [2]
 Wedemeyer, Rachael
 [197]
 Weeks, Lloyd [59]
 Weeks, William [99]
 Weetaluktuk, Tommy
 [50]
 Wegmann, Karl [195]
 Wehner, Ivan [252]
- Wei, Dong [212]
 Wei, Tianxu [36]
 Weik, Terrance [259]
 Weinberg, Camille [21],
 [125]
 Weintraub, Neil [255]
 Weir, Donald [58]
 Weisler, Marshall [27],
 [100]
 Weiss, Jeremy [186]
 Welch, John [1], [116],
 [122]
 Welker, Martin [22]
 Wellman, Hannah [129]
 Wells, Joshua [95],
 [183], [217]
 Wendel, Martha [255]
 Wernecke, D. Clark
 [170]
 Werness-Rude, Maline
 [164]
 Wernke, Steven [32],
 [175], [200]
 Wescott, Konnie [184]
 Wesolowski, Veronica
 [240]
 West, Catherine [59]
 Westbury, Michael [64]
 Weyrich, Laura [100]
 Wharton, Jeffery [229]
 Wheaton, Gene [231]
 Wheelbarger, Linda
 [236], [267]
 Wheeler, Ryan [254]
 Whelan, Carly [15],
 [188]
 Whisenhunt, Mary
 [122], [156]
 Witcher Kansa, Sarah
 [183]
 Whitcomb, Donald
 [261]
 White, AJ [140]
 White, Loren [195]
 White, Nancy [222]
 White, Sean [122]
 Whitehead, Hunter [18]
 Whitehead, William
 [183]
 Whitley, David [8], [60]
 Whitley, Tamara [8]
 Whitlock, Bethany
 [200]
 Whitney, Kristina [132]
- Whittaker, John [69]
 Whittaker, William [8]
 Whittington, Jennifer
 [170]
 Whittlesey, Stephanie
 [156]
 Wholey, Heather [9],
 [220]
 Whyte, Rachel [5]
 Wibowo, Marsha [173]
 Wichlacz, Caitlin [17]
 Widmer, Randolph
 [152], [181]
 Wiedenmeyer, Emilie
 [215]
 Wieland, Spencer [5]
 Wiewel, Adam [107]
 Wigley, Sarah [194]
 Wiig, Øystein [64]
 Wilcox, Michael [184]
 Wilcox, Timothy [41]
 Wilde, James [132]
 Wilhite, John [47]
 Wilkes, Margaret [107]
 Wilkins, Crae [234]
 Wilkins, Jayne [11]
 Wilkinson, Darryl [33]
 Wilkinson, Toby [33]
 Wilks, Stefania [235],
 [245]
 Will, Manuel [11]
 Williams, Alexandra
 [177]
 Williams, Amy [132]
 Williams, Charles [175]
 Williams, Charlotte [57]
 Williams, Daniel [78]
 Williams, David [172]
 Williams, John [235]
 Williams, Megan [203]
 Williams, Ryan [86],
 [127]
 Williams, Thomas [73],
 [170]
 Williamson, James [12]
 Williamson, Kylie [80]
 Willis, Kelsey [126]
 Willis, Mark [14], [79]
 Willis, Sam [194]
 Willis, William [148]
 Willison, Megan [13]
 Wilshusen, Richard
 [98]
 Wilson, Danee [240]

- Wilson, David [196],
[270]
Wilson, Douglas [172]
Wilson, Gregory [211]
Wilson, Jeremy [167],
[232]
Wilson, John [124]
Wilson, Kurt [61]
Winchell-Sweeney,
Susan [190]
Winkler, Stephan [11]
Winter, Barbara [203]
Winter, Marcus [39]
Wiseman, Chelsea
[238]
Witham, Samuel [252]
Witmore, Christopher
[159]
Witt, David [25], [77],
[154]
Witte, Emilee [260]
Woldekiros, Helina [33]
Wolfe, Allison [27]
Wolff, Christopher [12],
[23], [72]
Wolfhagen, Jesse [55]
Wolterbeek, Leo [199]
Wolters, Steffen [107]
Wong, Amanda [183]
Wong, Charmaine
[186]
Wong, Gillian [162]
Woo, Katherine [18],
[252]
Wood, Marilee [249]
Wood, Warren [18]
Woodard, Buck [251]
Woodfill, Brent [127],
[168], [175], [209]
Woodhead, Genevieve
[148], [149]
Woods, Alexander [52]
Woodson, Kyle [229]
Woollett, James [50]
Wooten, Kimberly [226]
Worman, F. Scott [213]
Worth, John [192]
Wright, David [161]
Wright, Joshua [62]
Wright, Kevin [3]
Wright, Rita [143]
Wright, Sterling [169]
Wriston, Teresa [198]
- Wrobel, Gabriel [14],
[240]
Wroth, Kristen [162]
Wu, Dongming [94]
Wu, Qian [45]
Wu, Si [244]
Wu, Yue [36]
Wyatt, Andrew [161]
Wyckoff, Don [23]
Wygall, Brian [82]
Wyllie, Cherra [191],
[227]
Wynne-Jones,
Stephanie [216],
[250]
Xia, Yin [42]
Xiao, Yuqi [94]
Xiuhtecutli,
Nezahualcoyotl [118]
Yaeger, Jason [178],
[185]
Yakabowskas, Dana
[72]
Yamamoto, Atsushi
[257]
Yamano, Hiroya [100]
Yann, Jessica [267]
Yaworsky, Peter [15]
Yebra, Lucía [243]
Yellowhorn, Eldon [87]
Yerka, Stephen [208]
Yerkes, Richard [199]
Young, D. Craig [8],
[195]
Young, Danielle [4]
Young, Kenneth [226]
Young, Michelle [61],
[182]
Younie, Angela [82]
Yu, Chong [45]
Yu, Pei-Lin [199]
Yue, Hongbin [205]
Yue, Zhanwei [94]
Zaneri, Taylor [22],
[143]
Zant, Caitlin [192]
Zapata, Josefina [162]
Zaragosa, Gabriella
[156]
Zaro, Gregory [85]
Zarzycka, Sandra [149]
Zavala Moynahan,
Bridget [121]
Zavodny, Emily [35]
- Zborover, Danny [268]
Zeanah, David [15],
[195]
Zedaker, Dylan [63]
Zedeño, María Nieves
[23]
Zeidler, James [24],
[157]
Zejdlik, Katie [169]
Zender, Marc [223]
Zhai, Shaodong [45]
Zhang, Peiqi [83]
Zhang, Ren [19]
Zhang, Tingliang [111]
Zhang, Wenjie [45]
Zhang, Yasha [111]
Zhao, Chao [199]
Zhao, Jian-xin [100]
Zhao, Yu-chao [37]
Zhao, Zhijun [35]
Zhu, Sihong [42]
Zilhão, João [162]
Zimmer-Dauphinee,
James [175]
Zipkin, Andrew [38]
Zoeller, Gretchen [167]
Zori, Colleen [51]
Zori, Davide [51]
Zralka, Jaroslaw [128]
Zuckerman, Molly [131]
Zúñiga, Belem [10]
Zwyns, Nicolas [175]
Zych, Thomas [78]

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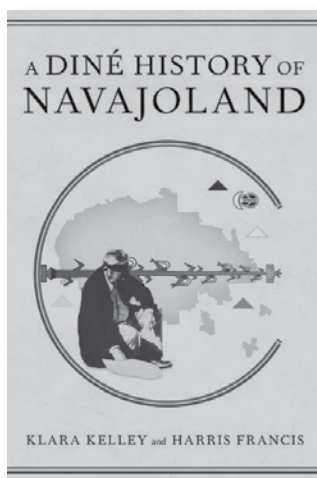
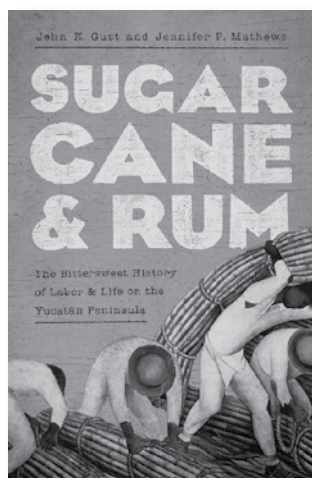
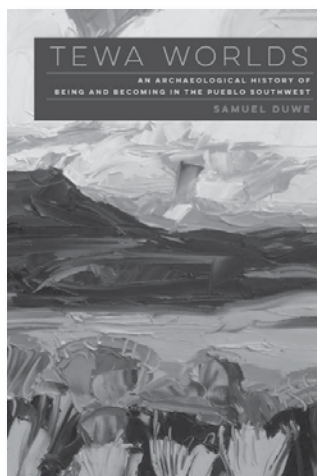
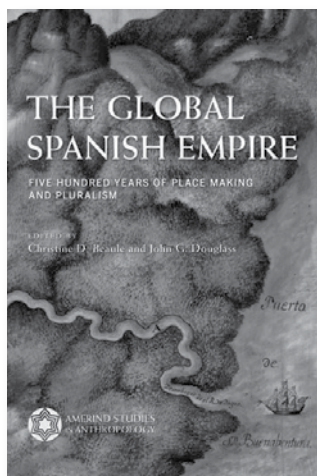
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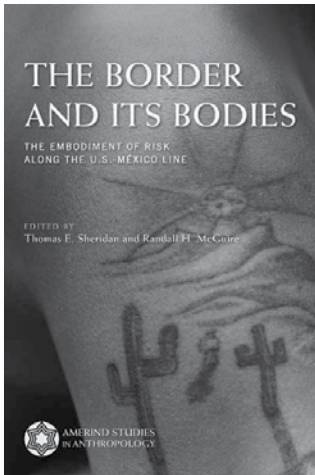
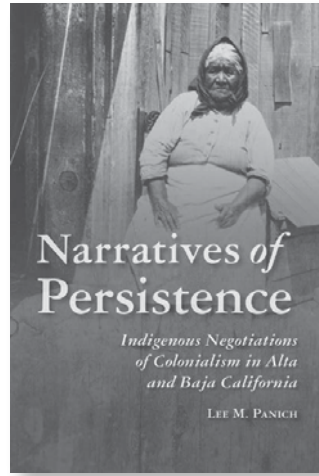
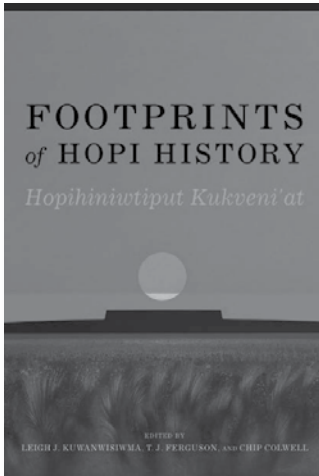
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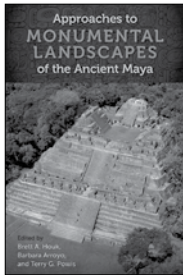


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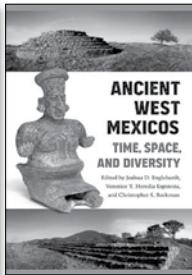
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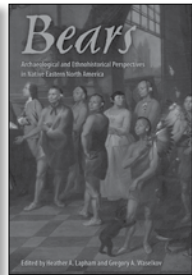
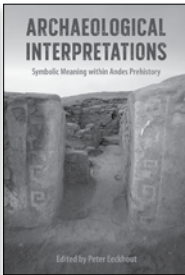
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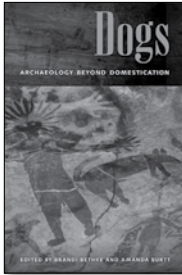
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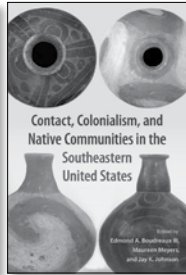
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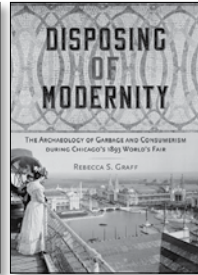
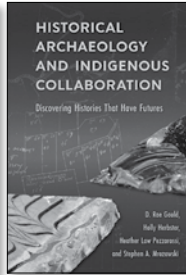
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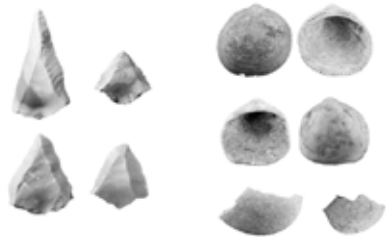
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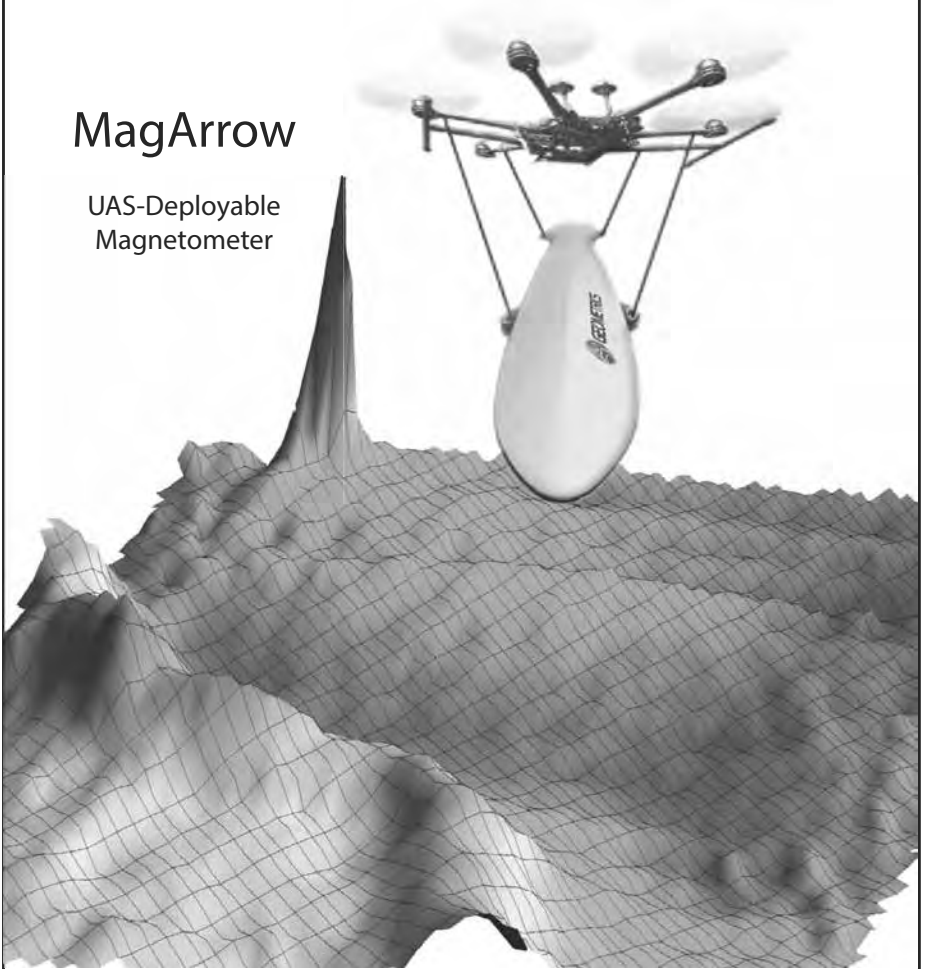
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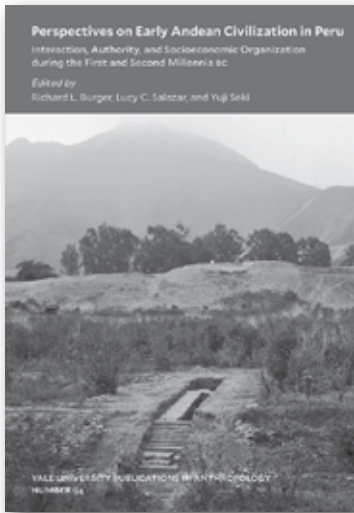
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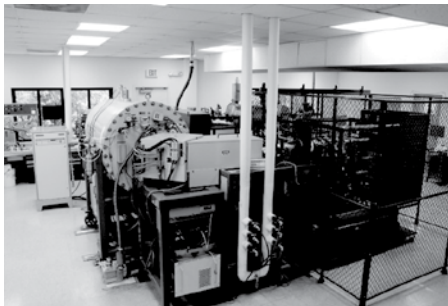
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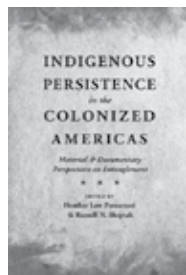
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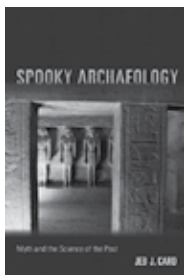
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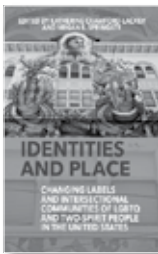
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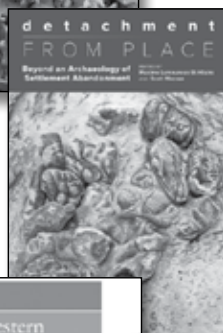
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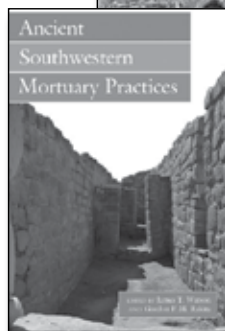
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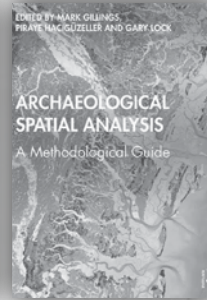
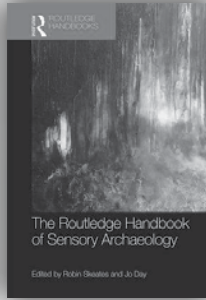
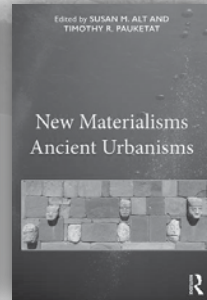
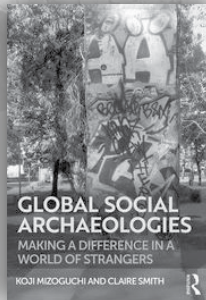
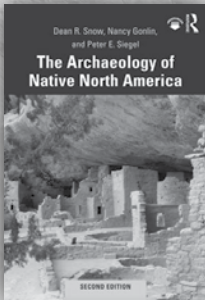


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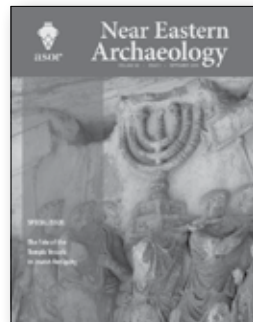
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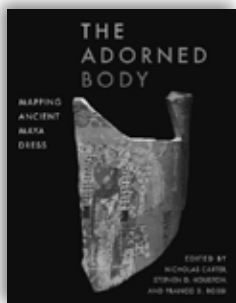


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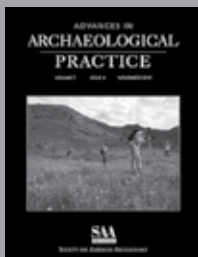
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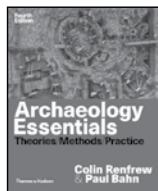
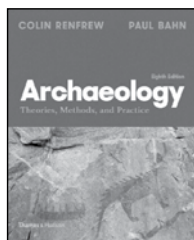
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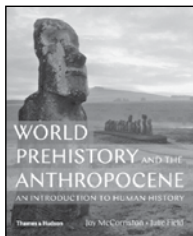


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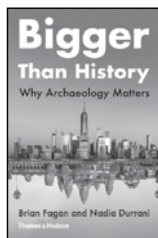
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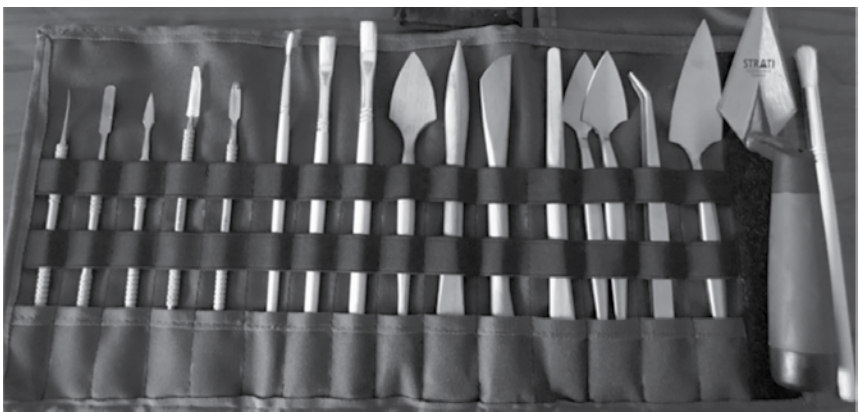
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