

# **Program of the 79th Annual Meeting**

**April 23–27, 2014  
Austin, Texas**



**SOCIETY FOR AMERICAN ARCHAEOLOGY**

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

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## **Contents**

4	Awards Presentation & Annual Business Meeting Agenda
5	2014 Award Recipients
12	Maps
17	Meeting Organizers, SAA Board of Directors, & SAA Staff
19	General Information
21	Featured Sessions
23	Summary Schedule
27	A Word about the Sessions
28	Student Day 2014
29	Sessions At A Glance
37	Program
214	SAA Awards, Scholarships, & Fellowships
222	Presidents of SAA
222	Annual Meeting Sites
224	Exhibit Map
225	Exhibitor Directory
236	SAA Committees and Task Forces
241	Index of Participants

## Awards Presentation & Annual Business Meeting

***April 25, 2014***

**5 PM**

### **Call to Order**

Call for Approval of Minutes of the  
**2013 Annual Business Meeting**

### **Remarks**

President Jeffrey H. Altschul

### **Reports**

Treasurer Alex W. Barker  
Secretary Christina B. Rieth  
Executive Director Tobi A. Brimsek

**5:30 PM**

### **Presentation of Awards**

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

### **New Business Ceremonial Resolutions**

**6:30 PM**

### **Adjournment**

## 2014 AWARDS

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

### **PRESIDENTIAL RECOGNITION AWARD**

#### **Recipient:** Deborah L. Nichols

As Chair of the SAA Publications Committee, Deborah L. Nichols has brought a steady hand and open mind to keeping SAA abreast of the ever-changing world of academic and scholarly publishing. For 80 years, SAA has been a leader in the publication of research results and theoretical and methodological advances in American archaeology. SAA now publishes three journals and a magazine, maintains its own press, and supports the posting of current research online. The Publications Committee is not only charged with maintaining these efforts but also with charting SAA's course through the opportunities and challenges presented by digital publishing and the open access movement. Deb has taken on these challenges in a thoughtful and inclusive manner, ensuring that all voices on these issues are heard, while being mindful of potential repercussions of publications-related changes on SAA finances and membership.

### **PRESIDENTIAL RECOGNITION AWARD**

#### **Recipients:** Christopher A. Pool and Gabriela Uruñuela y Ladrón de Guevara

As co-editors of Latin American Antiquity, Christopher A. Pool and Gabriela Uruñuela y Ladrón de Guevara exhibited remarkable skill and dedication to the timely dissemination of quality research and scholarship on the archaeology of Latin America. Their decision to remain editors of the journal for an additional year during the process of selecting their successors allowed the journal to continue publication on time and to maintain the highest scholarly standards. Gabriela worked tirelessly on ensuring the Latin American co-editor team had equitable support in copyediting Spanish language articles. In addition to his work on Latin American Antiquity, Chris worked with the SAA Publications Committee and other journal editors to develop the guidelines for supplemental materials and contributed significantly to discussions on the future of SAA publications.

### **GENE STUART AWARD**

#### **Recipient:** Ann Gibbons

Ann Gibbons, an award-winning science writer and correspondent for Science magazine, has earned the 2014 Gene S. Stuart Award for her ethically responsible and entertaining writing about the fascinating research of paleopathology. The Thousand-Year Graveyard presents an engaging story that profiles a team of archaeologists studying 1,000 years of health and disease in a graveyard in Tuscany, as they excavate and study skeletons in order to understand what made people sick and how they died, from the medieval period to the 20th century.

Their work on ancient disease may help medical researchers today, for example in understanding cholera, and the story paints a rich picture of how historical archaeology is done. Ann Gibbons has delivered to the public a well-balanced article detailing the pursuit of the past in a way that all archaeologists can respect.

**GEOARCHAEOLOGY INTEREST GROUP M.A./M.S. RESEARCH AWARD**

**Recipient:** Brendan S. Fenerty

**DIENJE KENYON FELLOWSHIP**

**Recipient:** Sarah Raffae MacIntosh

**FRED PLOG MEMORIAL FELLOWSHIP**

**Recipient:** Christopher W. Merriman and Kathryn J. Putsavage

**DOUGLAS KELLOGG FELLOWSHIP**

**Recipient:** Michael Aiupalasit

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

**Recipient:** The Navajo Nation Archaeology Department

**NSF SCHOLARSHIPS FOR ARCHAEOLOGICAL TRAINING FOR NATIVE AMERICANS AND NATIVE HAWAIIANS**

**Recipient:** Alicia Mary Olea

**SAA NATIVE AMERICAN UNDERGRADUATE ARCHAEOLOGY SCHOLARSHIP**

**Recipient:** Anita Fells

**SAA NATIVE AMERICAN GRADUATE ARCHAEOLOGY SCHOLARSHIP**

**Recipient:** Joseph Aguilar

**DISSERTATION AWARD**

**Recipient:** Mathew A. Peeples

Dr. Matthew A. Peeples (Arizona State University) is the winner of the 2014 Dissertation Award for his dissertation Identity and Social Transformation in the Prehispanic Cibola World: A.D. 1150-1325. In this innovative, ambitious, and comprehensive dissertation, Peeples addresses a major social transformation in the U.S. Southwest: the process of mass resettlement and reorganization of social practices and identities that occurred in the Cibola region between the 12th and 14th centuries A.D. Peeples approaches identity by distinguishing between relational and categorical processes and criteria of identification, and engages with these concepts by deftly weaving together large datasets and multiple lines of evidence. In this exemplary and enduring contribution to anthropological archaeology, which fuses innovative theory, analytical acuity, and expositional clarity, Peeples provides a framework for understanding identity and collective action in other regions of the Southwest and beyond.

**BOOK AWARD: SCHOLARLY CATEGORY**

**Recipient:** Michael Galaty, Ols Lafe, Wayne E. Lee, and Zamir Tafilica

Michael Galaty, Ols Lafe, Wayne E. Lee, and Zamir Tafilica's co-edited book, *Light and Shadow: Isolation and Interaction in the Shala Valley of Northern Albania*, represents an outstanding example of cross-discipline and community-based research directed by archaeologists. The Shala Valley is little known to the field, but the intriguing question of cultural persistence, the meticulous research and the stunning images presented in the book shine a light into this unfamiliar landscape. The central question of the book is why do some people endure and survive against all odds. Taking a holistic approach, the authors' craft an answer rooted in deep history, one that investigates the enduring forces that shape peoples' lives from prehistoric times to the present. In this superbly written, painstakingly edited, and beautifully illustrated volume, archaeology stands on an equal footing with other disciplines to examine how a marginal people resist domination and extinction.

**BOOK AWARD: PUBLIC AUDIENCE CATEGORY**

**Recipient:** Jerry D. Moore

Jerry Moore's *The Prehistory of Home* reflects the best of anthropological archaeology made accessible to the general audience. From the earliest human dwellings some 400,000 years ago to suburban California ranch houses today, Moore presents a comparative approach to the social, symbolic, and political dimensions of the house across societies in different times and places. Along the way, he points out how homes function to shield people from the elements, display equality or proclaim social divides, and connect the sacred and the domestic into a single place. More important, Dr. Moore keeps archaeology as the backbone of the narrative by describing his own archaeological investigations into the prehistory of home in each chapter. For these reasons, lay people and archaeologists alike will be informed and intrigued by a masterfully written book full of insight, humor, and information about a place we call home.

**AWARD FOR EXCELLENCE IN ARCHAEOLOGICAL ANALYSIS**

**Recipient:** Harold L. Dibble

Harold L. Dibble has earned the SAA's Award for Excellence in Archaeological Analysis for his remarkable achievements in the study of chipped stone technology and Paleolithic archaeology. Dr. Dibble's contributions are extensive and include reinterpretation of Paleolithic typology; examination of technology in relation to raw material access, taphonomy and site formation processes; experiments into the formation of flakes; the study of symbolic behavior, and the development of field techniques. His research on such sites as Combe-Capelle Bas, Tabun, and La Ferrassie has revolutionized our understanding of Middle Paleolithic technological organization and land-use, with implications that extend well beyond western Eurasia and North Africa. He has set an exceptionally high standard for actualistic research in a laboratory setting. Dr. Dibble's legacy is enhanced by his outstanding record of collaboration and student training. In presenting this award the SAA recognizes Dr. Dibble's significant and lasting contributions to lithic analysis.

**AWARD FOR EXCELLENCE IN CULTURAL RESOURCE MANAGEMENT****Recipient:** Mark Michel

Mark Michel's life's work and accomplishments exemplify the contributions and special achievements that the SAA strives to recognize with the Award for Excellence in Cultural Resource Management. There are few individuals whose lives and careers have had such a broad and profound impact on archaeology at the national scale. Mark Michel's efforts over the last 35 years in advocating for, and effecting, cultural heritage stewardship, conservation archaeology, policy and legislative implementation, and public outreach are unsurpassed and have forever changed the face of US archaeology. Under Michel's pioneering leadership, The Archaeological Conservancy remains the only national nonprofit organization dedicated to the permanent protection and management—through site acquisition from private landowners—of America's endangered archaeological sites. In creating a national system of archaeological preserves for future generations to study and enjoy, Michel has helped to ensure the survival of our irreplaceable cultural heritage—a lasting legacy for all.

**AWARD FOR EXCELLENCE IN PUBLIC EDUCATION****Recipient:** Abby the Archaeobus

Abby the ArchaeoBus is a mobile archaeological classroom that has reached thousands of educators, students, and families since it was created in 2009 by the Society for Georgia Archaeology (SGA) and its volunteers. It is a creative and innovative means to foster public understanding of archaeology and appreciation for site stewardship. It provides flexible, informal programs for large public events and formal classroom resources emphasizing standards-based analytical skills. In 2013, New South Associates staff and Georgia State Anthropology graduate students, guided by the SGA, served as ArchaeoBus educators—targeting schools, libraries, museums, and events in metropolitan Atlanta and reaching 6,000 youngsters, many in economically challenged school districts. As a “magic school bus” full of archaeology fun and knowledge; a collaborative partnership among the avocational, academic, business, and CRM communities; an opportunity for public archaeology training of college students; and in the educational experience it provides to visitors, it deserves the SAA's Excellence in Public Archaeology award.

**CRABTREE AWARD****Recipient:** Francis H. Snow

Frankie Snow has earned the 2014 Crabtree Award for his history of intellectual contributions to the archaeology of the Georgia Coastal Plain. Although not formally trained in archaeology, Mr. Snow's interest began early and developed under the guidance of Dr. Chris Trowel, a geographer at South Georgia College. Beginning in the 1960's, Mr. Snow spent his free time conducting archaeological field and lab work—particularly at threatened sites—in the local region. He also developed expertise on the elaborately carved wooden paddle-stamped designs of Woodland Era Swift Creek pottery, and is now a recognized authority on the subject. During his avocational career to date, Mr. Snow has published

30 articles, presented 40 professional papers, given hundreds of public presentations, and nurtured both avocational and professional archaeologists. He has received several previous awards for his contributions to Georgia archaeology, and his career embodies the characteristics that SAA's Crabtree Award recognizes nationally.

#### **THE FRYXELL AWARD FOR INTERDISCIPLINARY RESEARCH**

##### **RECIPIENT: MARVIN W. ROWE**

Dr. Marvin W. Rowe has earned SAA's Fryxell Award for Interdisciplinary Research (Physical Sciences) based on his prominent role in developing methods for rock art dating and minimally-destructive dating of fragile organic artifacts, and studying these methods through scientific analysis, as well as his service to the profession through scholarship, student training, and public dissemination. While other rock art dating methods have come and gone, Dr. Rowe's method has stood the test of time and of critics. It is unquestionably the most successful way to establish a numerical age for rock paintings. Equally important, he has helped graduate students develop an interest in dating rock paintings. This is extremely important because he wants his dating methods to be available into the future. The methodologies that Dr. Rowe has developed, and taught to generations of students represent a most laudable contribution to the field of archaeology.

#### **PUBLIC SERVICE AWARD**

##### **Recipient: Joseph T. Joaquin**

For his dedication to the protection of archaeological and cultural resources of the Tohono O'odham Nation we proudly present this award to Joseph "Joe" T. Joaquin. Joe Joaquin has worked tirelessly for decades protecting the cultural heritage of the Tohono O'odham Nation. As the Sells District representative on the Legislative Council, he was instrumental in establishing the Nation's Cultural Affairs Office. After the passage of the NAGPRA and the Arizona burial law, he worked with federal, state, and local government agencies to implement the laws. He also has taught archaeologists that they can fulfill their scientific obligation and at the same time respectfully return remains and sacred items to the tribes. After leaving the tribal council, Joe became a Cultural Resource Specialist for the Nation, where he continues to teach both archaeologists and tribal members, particularly the young, on the importance of heritage. A Marine veteran of Korea and Vietnam, Joe serves as an honor guard for tribal veterans as they are laid to rest. Joe truly embodies the proud heritage of the Tohono O'odham Nation.

#### **PUBLIC SERVICE AWARD**

##### **Recipient: Lorraine Marquez Eiler**

For her dedication to the protection of archaeological and cultural resources of the Hia C-ed O'odham, we proudly present this award to Lorraine Marquez Eiler. To anyone that will listen, Lorraine Marquez Eiler tells the story of the Hia C-ed O'odham, the indigenous people of the western Papaguería. Long told that her people are extinct, Lorraine has led the charge to demonstrate their existence, vitality, and proud cultural heritage. She was instrumental in having the Tohono

O'odham Nation place in trust the land around Darby Wells, the last Hia C-ed O'odham settlement. She then led the effort to create the Hia C-ed District, which Lorraine currently represents on the Tohono O'odham Nation Legislative Council. In her quest for recognition for her people, Lorraine has worked with many archaeologists, exhorting them to understand that their work is not about the past, but about the living and their responsibility to future generations. She has co-authored articles, generously shared her knowledge, and insisted that federal agencies hire archaeologists who have demonstrated knowledge of Papaguerian archaeology and who meet the profession's highest standards.

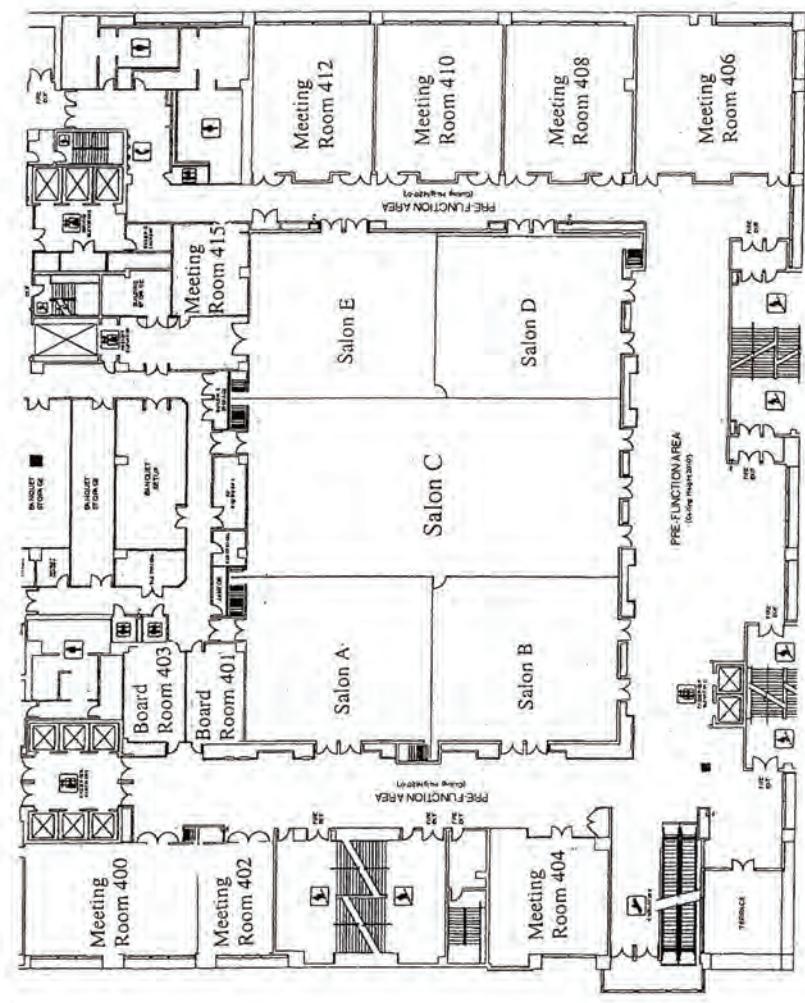
**AWARD FOR EXCELLENCE IN LATIN AMERICAN AND CARIBBEAN ARCHAEOLOGY****Recipient:** Luis Alberto Borrero

Luis Alberto Borrero has earned the SAA's Excellence in Latin American and Caribbean Archaeology Award for his combination of scholarship and service to the profession. Dr. Borrero's contributions to Latin American archaeology and international theory and method are exceptional and have garnered considerable praise from his peers. This lifework has been undertaken primarily on the early peopling of southern South America, while his focus on zooarchaeology and taphonomy sets the bar in these particular specialties. This award also lauds Luis Alberto Borrero's long and expert service in developing the institutional and academic basis for archaeological research, in Argentina in particular and Latin America in general. He has consistently pierced the barriers that national frontiers present to archaeological research, both within Latin America and between Latin America and North America. His career is a model of excellence in Latin American and world archaeology.

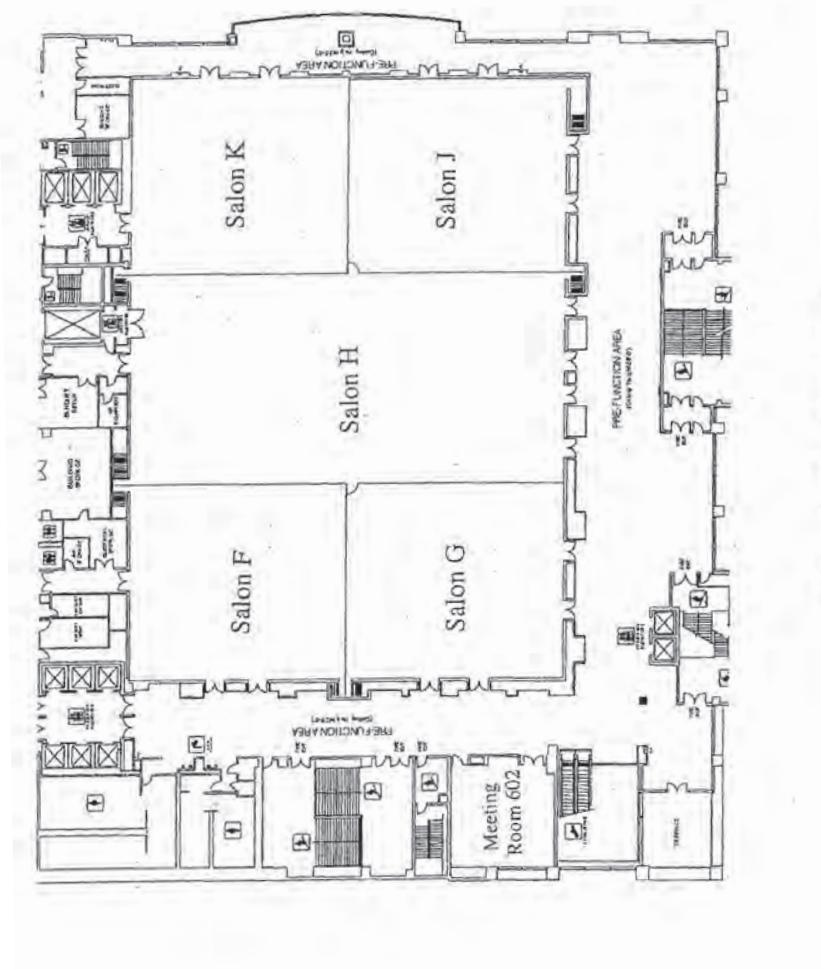
Luis Alberto Borrero ha sido condecorado por la SAA con el premio a la Excelencia en la Arqueología de América Latina y del Caribe. Las contribuciones del Dr. Luis Borrero a la arqueología de América Latina, a la teoría y a la metodología son excepcionales y han generado gran impacto entre sus estudiantes y colegas. Su obra se ha focalizado principalmente en el estudio del poblamiento temprano de América del Sur y la vida de los cazadores recolectores en Patagonia. Su énfasis en la zooarqueología y tafonomía han generado un enorme impacto en el desarrollo de estas disciplinas en Latino América. Su obra ha atravesado las barreras que imponen las actuales fronteras fluyendo tanto dentro de América Latina y entre América Latina y América del Norte. Este premio también reconoce el servicio de Luis Alberto Borrero al desarrollo de las bases institucionales y académicas para la investigación arqueológica, en la Argentina en particular y en América Latina en general. Su carrera es un modelo por el destacado compromiso con la arqueología.

**LIFETIME ACHIEVEMENT AWARD****Recipient:** Jeremy Sabloff

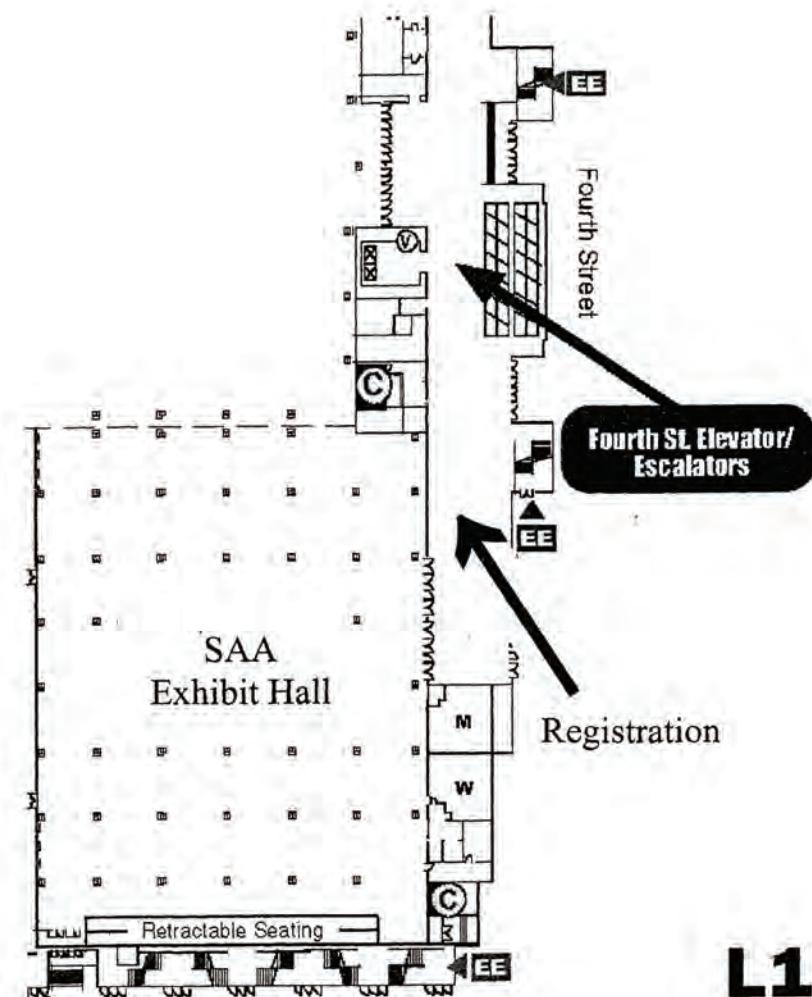
Jeremy Sabloff has earned the SAA's Lifetime Achievement Award for his extraordinary contributions in teaching, mentoring of graduate students, research in several domains, and public outreach. There are few other senior scholars who have so consistently dedicated their careers to the advancement of archaeology as a discipline and a scientific pursuit while simultaneously working toward the continued relevance and strengthening of archaeology by means of communication with an audience beyond narrow disciplinary limits. Moreover, the career of Jeremy Sabloff has been marked by selfless service and extraordinary collegiality tempered by adherence to the core principles of archaeological conservation and the value of empirical analysis. Jeremy Sabloff has been a mentor and a role model for several generations of scholars, many of whom have gone on to their own distinguished careers.



HILTON AUSTIN - FOURTH FLOOR



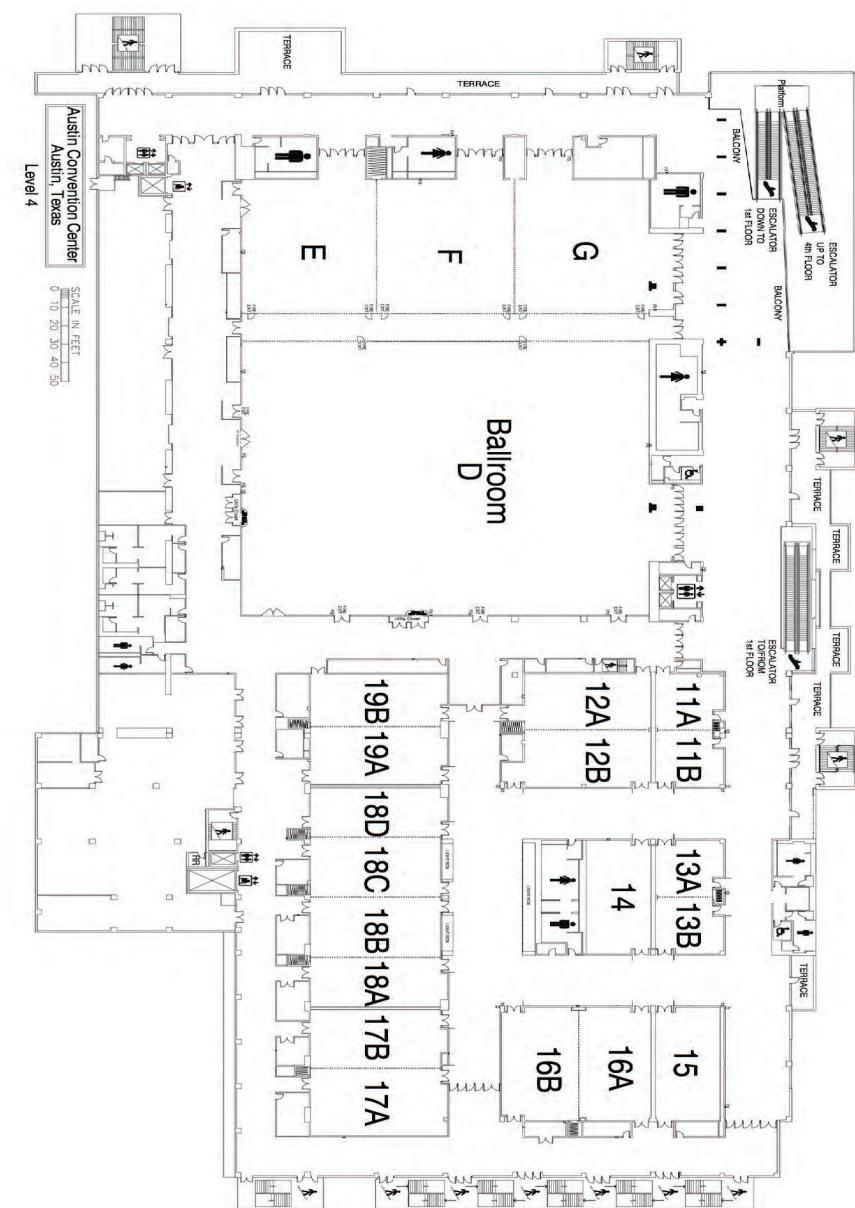
HILTON AUSTIN - SIXTH FLOOR



AUSTIN CONVENTION CENTER - LEVEL ONE  
(LOCATION OF SAA EXHIBIT HALL, CRM EXPO, AND REGISTRATION)

## Austin Convention Center – Level 3





AUSTIN CONVENTION CENTER - LEVEL FOUR

**SOCIETY FOR AMERICAN ARCHAEOLOGY  
79TH ANNUAL MEETING**

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Tulane University

Janine L. Gasco

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Hills

**Program Assistant**

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University of North Florida

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Statistical Research, Inc. & University  
of Arizona

**Committee Members**

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University of Pittsburgh

Andrea A. Hunter

The Osage Nation Historic Preserva-  
tion Office

Sarah B. Barber

University of Central Florida

Dana Lepofsky

Simon Fraser University

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University of Massachusetts, Amherst

Mary Ann Levine

Franklin and Marshall College

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Michele R. Buzon

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Grant S. McCall

Tulane University

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Paleowest Archaeology

Sharon DeWitte

University of South Carolina

Jason S. Nesbitt

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Anna Marie Prentiss

University of Montana

Lynn H. Gamble

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Julien Riel-Salvatore

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Alex W. Barker, RPA Treasurer	Elisabeth Herschbach Editorial Specialist

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## Program of the 79th Annual Meeting

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### GENERAL INFORMATION

#### MEETING ROOM LOCATIONS

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

**HA = Hilton Austin**

**ACC = Austin Convention Center**

#### ABSTRACTS

Printed abstract books are no longer offered. Instead, the abstracts were made available to all on the public side of SAAweb prior to the meeting.

Onsite, in the Pre-function Space of Exhibit Hall IV for the Austin Convention Center (ACC), will be an **Abstract Viewing Center** where you will be able to reference the abstracts at your convenience through a bank of computers provided for that purpose.

#### AWARDS CELEBRATION & ANNUAL BUSINESS MEETING

The Society's annual awards presentation and business meeting will be held at 5 pm on Friday in Ballroom D at the Austin Convention Center (ACC).

#### CULTURAL RESOURCES MANAGEMENT CAREER EXPO

Sponsored by the American Cultural Resources Association (ACRA), the CRM Expo will be held from 1:00 pm–4:00 pm in Exhibit Hall V on Saturday, April 26 at the Austin Convention Center (ACC). Representatives from CRM firms will be available to chat informally and individually with Expo attendees about their organizations, career paths available, etc. A full list of Expo exhibitors is located in the program update. 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 26 from 12 pm–3:30 pm that day at no charge. The Expo registration will only admit you to the Expo and the Exhibit Hall from 1 pm–4 pm on April 26.

#### BADGE USE

Badge use is mandatory due to the meeting logistics. Attendees are asked to display their badges to attend meeting events. Badge checkers will be monitoring access to all SAA meeting space. Thank you in advance for your assistance.

#### EMERGENCY INFORMATION CARD

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

#### EMPLOYMENT SERVICE CENTER

SAA's Employment Service Center (ESC) provides the resources you need to find the perfect match—job announcements posted for maximum visibility, résumés available for on-site review, and reserved interview space. Located in Show Office 13 (ACC), the hours for the ESC are listed on page 22. Résumés and job descriptions may be registered with the service throughout the meeting. Interview space will be available by reservation, and message forms will be provided and box numbers assigned for use in the employment service message center.

## Program of the 79th Annual Meeting

This service is free to employers and SAA members.

### **EXHIBITS**

The SAA Annual Meeting Exhibit Hall provides an exciting array of products and services for you to review—you'll find technology, field equipment, publications, archaeological services, and more! All the tools and information you are looking for will be on display Thursday, April 24 from 9 am to 5 pm; Friday, April 25 from 9 am to 5 pm; and Saturday, April 26 from 9 am to 5 pm in Exhibit Hall V (ACC) at the Austin Convention Center.

### **GUEST BADGES**

Guest Badges were initiated for **immediate family members** who are **non-archaeologists** and who need access to the meeting venue as guests of meeting registrants. Guest badges are available only to immediate family members of a registered meeting attendee (assuming the guest is a non-archaeologist). Immediate family includes spouse/partner, parents, and children. Friends, colleagues, and other relatives are not eligible for guest badges. The registrant must purchase a guest badge which the guest must display at the meeting venue. Guest badges simply provide access to the meeting venue. Guests are not “meeting attendees.” **If a guest badge is to be purchased on-site, the meeting registrant must accompany the guest to registration.** Accompanied children 12 years of age or under are not required to display a guest badge. Unaccompanied children may not attend the annual meeting.

### **HOSPITALITY DESK**

Stop by the Austin Information Desk near Registration to visit with an infor-

mation specialist or pick up literature about the city. If you looking for a place to experience Austin's great food or music scene, or have some time to take a tour or visit an attraction, the information specialist can help. The hours the desk will be staffed are:

Thursday, April 24	7am-6pm
Friday, April 25	7am-5pm
Saturday, April 26	7am-5pm

Materials will be available at the unstaffed desk on Wednesday.

### **OFFICE**

From Monday, April 21 to Wednesday early morning, April 23, the SAA Staff Office is located at the Hilton Austin in Room 403 (HA). From Wednesday to Sunday, the SAA Staff Office will be located at the Austin Convention Center in Show Office 14 (ACC).

### **OPENING SESSION/PRESIDENT'S FORUM**

The Opening Session/President's Forum, *Publishing Archaeology in the 21st Century*, will be on Wednesday, April 23, in Ballroom D (ACC) at the Austin Convention Center from 6:30pm to 8:30 pm.

### **POSTER SESSIONS**

#### **ALL POSTER SESSIONS ARE TWO-HOUR SLOTS**

Poster sessions will be located in Ballroom F at the Austin Convention Center beginning on Thursday. Each session contains different posters, whose authors and space assignments are listed in the program. Please check the program or Sessions at a Glance for the poster session schedule.

### **PRESS OFFICE**

The Press Office, located in Show Office 15 (ACC) will be open Wednesday

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## Program of the 79th Annual Meeting

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through Saturday, 9 am to 5 pm, and on Sunday, 9 am to 12 noon.

### **REGISTRATION**

Registration is located in the Pre-function Space of Exhibit Hall V (ACC). Registration hours: Wednesday, 2 pm to 8 pm; Thursday, 7 am to 8 pm; Friday, 7 am to 4:00 pm; Saturday, 7 am to 4:00 pm; and Sunday, 7 am to 8 am. Individuals who registered by March 20, 2014 can pick up their registration packets at the Advance Registration counters. Individuals who have not registered in advance should report to the Onsite Registration desk. A badge is required for admission to meeting sessions, workshops, excursions, and exhibits. A \$5 fee will be charged to replace a badge or program book.

### **SESSION CHAIRS**

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

### **SILENT AUCTION!**

Visit the Native American Scholarships Committee (NASC) Booth 527 in the Exhibit Hall V (ACC) to place your bids while contributing to a worthy cause. How does the silent auction work? First, sign up for a bidder number at the NASC booth. Then, when you see something you want, decide how much you'd like to spend and write your bid and bidder number on the bid sheet. Of course, once others see your bid, they might decide to make an offer as well. So, you'll have to stop by the booth from time to time to see if your bid is still the highest. If not, raise it,

and keep on trying. The bidding ends at Saturday at noon.

### **SMOKING POLICY**

Smoking in meeting rooms is prohibited.

### **SPEAKER READY ROOM**

For presenters who wish to check a presentation, LCD projectors and screens will be available in the speaker ready room in Show Office 16 (ACC). The Speaker Ready Room will be open on Wednesday from 2 pm to 8 pm, from 7 am to 9 pm on Thursday, from 7 am to 6 pm on Friday and Saturday, and from 7 am to 11:45 am on Sunday.

### **WELCOME RECEPTION — ALL STUDENT MEMBERS, NEW MEMBERS, FIRST-TIME MEETING ATTENDEES AND SAA's TASK FORCE AND COMMITTEE VOLUNTEERS**

You are invited to a reception Wednesday evening from 9 pm at the Hilton Austin in Salon AB (HA). The Society's Board of Directors, as hosts, will provide a soft drink ticket for those registered for the reception; it may be exchanged for a soft drink or applied toward the purchase of an alcoholic beverage. Meeting participants who registered in advance for this reception will find the drink ticket in their registration packets.

### **FEATURED SESSIONS**

#### ***Opening Session/President's Forum Publishing Archaeology in the 21st Century***

**Date:** Wednesday, April 23, 2014

**Time:** 6:30 pm–8:30 pm

**Location:** Ballroom D (ACC)

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## Program of the 79th Annual Meeting

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### **The Ethics Bowl**

**Date:** Thursday, April 24, 2014

**Time:** 1:00 pm–3:00 pm

**Location:** 9B (ACC)

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

### **Sponsored Forum**

#### **Gender Disparities in Research**

#### **Grant Submissions**

**Date:** Friday, April 25, 2014

**Time:** 1:00 pm–3:00 pm

**Location:** 8A (ACC)

Sponsored by Committee on the Status of Women in Archaeology, this forum is open to all members and is moderated by Sarah Herr. Barbara Mills and Lynne Goldstein, co-chairs of the SAA Task Force on Gender and Rates of Research Grant Submissions,

will serve as discussants. Audience members are encouraged to participate.

### **CELEBRATE ARCHAEOLOGY BY USING YOUR BALLOT!**

As in the past, your registration package includes a ballot for the Archaeology Week/ Month Poster Contest. In Exhibit Hall V (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 ballot box is located near the poster display. The balloting will close at 12 pm on Friday, and the winners will be honored at the Annual Business Meeting and Awards Celebration at 5 pm on Friday. The poster contest is co-sponsored by SAA's Public Education Committee and the Council of Affiliated Societies.

	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>	<b>Saturday</b>	<b>Sunday</b>
<b>Abstract Viewing Center</b>	2pm to 8pm Pre-function Space Exhibit Hall IV (ACC)	7am to 10pm Pre-function Space Exhibit Hall IV (ACC)	7am to 4pm Pre-function Space Exhibit Hall IV (ACC)	7am to 5pm Pre-function Space Exhibit Hall IV (ACC)	7am to 11am Pre-function Space Exhibit Hall IV (ACC)
<b>Registration</b>	2pm to 8pm Pre-function Space Exhibit Hall V (ACC)	7am to 8pm Pre-function Space Exhibit Hall V (ACC)	7am to 4pm Pre-function Space Exhibit Hall V (ACC)	7am to 4pm Pre-function Space Exhibit Hall V (ACC)	7am to 8am Pre-function Space Exhibit Hall V (ACC)
<b>Employment Service Center</b>	2pm to 8pm Show Office 13 (ACC)	8am to 6pm Show Office 13 (ACC)	8am to 4pm Show Office 13 (ACC)	8am to 5pm Show Office 13 (ACC)	8am to 11am Show Office 13 (ACC)
<b>Speaker Ready Room</b>	2pm to 8pm Show Office 16 (ACC)	7am to 9pm Show Office 16 (ACC)	7am to 6pm Show Office 16 (ACC)	7am to 6pm Show Office 16 (ACC)	7am to 11:45am Show Office 16 (ACC)
<b>Press Office</b>	9am to 5pm Show Office 15 (ACC)	9am to 5pm Show Office 15 (ACC)	9am to 5pm Show Office 15 (ACC)	9am to 5pm Show Office 15 (ACC)	9am to noon Show Office 15 (ACC)
<b>Exhibits</b>		9 am to 5pm Exhibit Hall V (ACC)	9am to 5pm Exhibit Hall V (ACC)	9am to 5pm Exhibit Hall V (ACC)	

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Program of the 79th Annual Meeting**SUMMARY SCHEDULE****Tuesday, April 22**

8:00am–5:00pm  
*Meeting Room 417AB (HA)*  
USDA Forest Service Heritage Program  
Meeting

8:30am–4:30pm  
*Meeting Room 404(HA)*  
Association of Transportation  
Archaeologists Annual Meeting

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

**Wednesday, April 23**

**2:00 pm–8:00 pm**  
*Prefunction Space Exhibit Hall V (ACC)*  
**Meeting Registration**

**6:00 pm–10:00pm**  
**Child care available through**  
**Accent on Children's Arrangements Inc.**

7:00am–8:00am  
*Meeting Room 406 (HA)*  
SAA Board of Directors–New Board  
Member Orientation)

8:00am–4:00pm  
*Excursion Richard Beene Site*

8:00am–4:45pm  
*Meeting Room 406 (HA)*  
SAA Board of Directors Meeting

8:00am–12:00pm  
*Meeting Room 404 (HA)*  
Department of Defense Cultural Resource  
Manager Town Hall

8:30am–4:30pm  
*Meeting Room 408 (HA)*  
Association of Transportation  
Archaeologists Annual Meeting (cont.)

8:30am–5:00pm  
*Meeting Room 417AB (HA)*  
USDA Forest Service Heritage Program  
8:30am–5:00pm  
*Meeting Room 412 (HA)*  
Project Archaeology Coordinators Meeting

1:00pm–4:00 pm  
*Meeting Room 410 (HA)*  
National Association of State Archaeologists  
Annual Meeting

6:30pm–8:30pm  
*Ballroom D (ACC)*  
Opening Session/President's Forum

9:00pm–10:00pm  
*Salon AB (HA)*  
Student, New Member, First Timer  
Committee Member Reception

**Thursday, April 24**

**7:00 am–8:00 pm**  
*Prefunction Space Exhibit Hall V (ACC)*  
**Meeting Registration**

**7:30am–10:30 pm**  
**Child care available through**  
**Accent on Children's Arrangements Inc.**

7:30am–12:00pm  
*Meeting Room 412 (HA)*  
Ethics Bowl Preliminary Rounds (Room 1)  
7:30am–12:00pm

*Meeting Room 410 (HA)*  
Ethics Bowl Preliminary Rounds (Room 2)

8:00am–10:00am  
*Meeting Room 408 (HA)*  
Council of Councils Meeting

8:00am–10:00am  
*Meeting Room 404 (HA)*  
Workshop Get Hired! Twelve Tips for  
Getting a Job in Archaeology

Program of the 79th Annual Meeting

8:00am–12:00pm <i>Meeting Room 417AB (HA)</i> USDA Forest Service Heritage Program Meeting	4:00pm–6:00pm <i>Salon C (HA)</i> Fred Plog Memorial Fellowship Committee Meeting
12:00pm–1:00pm <i>Meeting Room 404 (HA)</i> Employment Services Task Force Meeting	4:00pm–6:00pm <i>Salon C (HA)</i> Public Education Committee Meeting
12:00pm–1:00pm <i>Show Office 12 (ACC)</i> Conferencia Intercontinental Planning Meeting <i>(by invitation)</i>	4:00pm–6:00pm <i>Salon C (HA)</i> Committee on the Status of Women in Archaeology Meeting
2:00pm–3:00pm <i>Meeting Room 406 (HA)</i> Meeting of <i>Latin American Antiquity</i> Editorial Board	4:00pm–6:00pm <i>Salon C (HA)</i> Student Affairs Committee Meeting
4:00pm–6:00pm <i>Salon C (HA)</i> Committee on Curriculum Meeting	4:00pm–6:00pm <i>Salon C (HA)</i> Student Paper Award Committee Meeting
4:00pm–6:00pm <i>Salon C (HA)</i> Committee on Ethics Meeting	4:00pm–6:00pm <i>Salon C (HA)</i> Native American Scholarships Committee Meeting
4:00pm–6:00pm <i>Salon C (HA)</i> Excellence in CRM Award Committee Meeting	4:00pm–6:00pm <i>Meeting Room 414 (HA)</i> Council of Affiliated Societies Annual Business Meeting
4:00pm–6:00pm <i>Salon C (HA)</i> Government Affairs Committee Meeting	4:45pm–6:00pm <i>Meeting Room 408 (HA)</i> Museums, Collections, and Curation Committee Meeting
4:00pm–6:00pm <i>Salon C (HA)</i> Investment and Finance Committee Meeting	5:00pm–6:00pm <i>Meeting Room 404 (HA)</i> Prehistoric Quarries and Early Mines Interest Group Meeting
4:00pm–6:00pm <i>Salon C (HA)</i> Minority Scholarships Committee Meeting	5:00pm–6:00pm <i>Meeting Room 410 (HA)</i> Island and Costal Archaeology Interest Group Meeting
4:00pm–6:00pm <i>Salon C (HA)</i> Committee on Native American Relations Meeting	5:30pm–7:00pm <i>Meeting Room 400 (HA)</i> Women in Archaeology Interest Group Reception

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### Program of the 79th Annual Meeting

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6:00 pm–7:00 pm <i>Meeting Room 412 (HA)</i> Zooarchaeology and Bone Technology Interest Group Meeting	12:00pm–1:00pm <i>Meeting Room 417A (HA)</i> Fiber Perishables Interest Group Meeting
6:00pm–7:00pm <i>Meeting Room 410(HA)</i> Rock Art Interest Group Meeting	12:00pm–1:00pm <i>Meeting Room 417B (HA)</i> Heritage Values Interest Group Meeting
6:00pm–7:00pm <i>Salon D (HA)</i> Indigenous Populations Interest Group Meeting	12:00 pm–1:00 pm <i>Meeting Room 402 (HA)</i> History of Archaeology Interest Group Meeting
7:00pm–7:30pm <i>Meeting Room 400 (HA)</i> Women in Archaeology Interest Group Business Meeting	12:00pm–1:00pm <i>Salon E (HA)</i> Military Archaeology Resources Stewardship (MARS) Interest Group Meeting
<b>Friday, April 25</b> <b>7:00 am–4:00 pm</b> <i>Prefunction Space Exhibit Hall V (ACC)</i> <b>Meeting Registration</b>	12:00pm–1:30pm <i>Meeting Room 404 (HA)</i> International Association for Obsidian Studies (IAOS) Annual Meeting
<b>7:30am–7:00 pm</b> <b>Child care available through Accent on Children's Arrangements Inc.</b>	12:00pm-1:30pm <i>Meeting Room 414 (HA)</i> Digital Data Interest Group Meeting
8:00am–10:00am <i>Salon E (HA)</i> Publications Committee Meeting	1:00pm–3:00pm <i>Meeting Room Salon D (HA)</i> PEC State Network Coordinators Meeting
9:00am–11:00am <i>Salon D (HA)</i> Committee on the Americas Meeting	1:00pm–3:00pm <i>Meeting Room 402 (HA)</i> Repatriation Committee Meeting
9:00am–12:00pm <i>Board Room 401(HA)</i> AAA-AD Executive Board Meeting	1:30pm–3:00pm <i>Salon C (HA)</i> Resume/CV Review No fee; Pre-registration required
9:00am–12:00pm <i>Excursion La Belle/Bullock State History Museum Tour</i>	2:00pm–4:00pm <i>Show Office 15 (ACC)</i> Media Relations Committee Meeting
9:00am–4:00pm <i>Excursion San Antonio Spanish Colonial and Tejano Texas Tour</i>	3:00pm–4:30pm <i>Meeting Room 417A (HA)</i> Forensic Archaeology Recovery Annual Meeting
12:00pm–1:00pm <i>Meeting Room 412 (HA)</i> Queer Archaeology Exploratory Interest Group Meeting	

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### Program of the 79th Annual Meeting

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3:00pm–4:30pm <i>Meeting Room 404 (HA)</i> International Government Affairs Committee (IGAC) Meeting	8:30am –9:00am <i>Ballroom A (ACC)</i> Student Day: Welcome to Archaeology 101
3:30pm–4:30pm <i>Meeting Room 417B (HA)</i> Public Archaeology Interest Group Meeting	9:00am –10:15am <i>Ballroom A (ACC)</i> Student Day Career Panel
5:00pm–6:30pm <i>Ballroom D (ACC)</i> Annual Business Meeting and Awards Presentation	9:00am–4:00pm <i>Meeting Room 412 (HA)</i> Workshop Archaeological Applications of Bayesian Chronological Modeling
6:45pm –7:45pm <i>Meeting Room 400 (HA)</i> Geoarchaeology Interest Group Meeting	9:00am–4:00pm <i>Excursion Gault Site Tour</i>
6:30pm–8:30pm <i>Meeting Room 414 (HA)</i> Society of Africanist Archaeology Reception	10:00am–11:00am <i>Meeting Room 417A (HA)</i> <i>Advances in Archaeological Practice</i> Editorial Board Meeting
6:45pm–7:45pm <i>Meeting Room 402 (HA)</i> Society for Archaeological Sciences Business Meeting	10:15–11:15am <i>Ballroom A (ACC)</i> Student Day Hands-on archaeology Activities
6:45pm–8:45pm <i>Meeting Room 406 (HA)</i> Native American Welcome Reception	11:15am–12:00pm <i>Ballroom A (ACC)</i> Student Day: Lecture by Dr. Stephen Black, Exploring the Archaeological Traces of Texas' First 700 Generations
<b>Saturday, April 26</b> <b>6:30am–12:00pm</b> <i>Prefunction Space Exhibit Hall V (ACC)</i> <b>Student Day Registration</b>	<b>12:00pm–1:00pm</b> <i>Meeting Room 400 (HA)</i> Speed Mentoring Sponsored by COSWA No Fee; Pre-registration required
<b>7:00 am–4:00 pm</b> <b>Meeting Registration</b>	<b>5:30pm–7:00pm</b> <i>Meeting Room 417AB (HA)</i> Get-together for Archaeologists of East and Southeast Asia
<b>7:30am–10:30 pm</b> <b>Child care available through Accent on Children's Arrangements Inc.</b>	<b>Sunday, April 27</b> <b>7:00 am–8:00 am</b> <i>Prefunction Space Exhibit Hall V (ACC)</i> <b>Meeting Registration</b>
7:00am–8:00am <i>Salon D (HA)</i> Committee Chair/Interest Group Organizer Breakfast with the Board ( <i>by invitation</i> )	<b>7:30am–12:30 pm</b> <b>Child care available through Accent on Children's Arrangements Inc.</b>
8:15am–4:45pm <i>Meeting Room 414 (HA)</i> SAA Board of Directors Meeting	

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## Program of the 79th Annual Meeting

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### **A WORD ABOUT THE SESSIONS**

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

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

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

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

*Note: All poster sessions are 2 hours in duration. Please check the schedule for these sessions on Thursday, Friday, and Saturday in Sessions at a Glance.*

### **SAA's 80<sup>th</sup> Annual Meeting in 2015!**

Plan now to attend the SAA 80th Annual Meeting in San Francisco, CA, April 15–19, 2015. Guidelines for contributors (Call for Submissions) who wish to submit papers, posters, or forums for consideration are posted on SAAweb ([www.saa.org](http://www.saa.org)). The Online Submissions System for San Francisco will open on May 1, 2014.

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## Program of the 79th Annual Meeting

### **Saturday April 26, 2014**

Come to a special morning designed to introduce students to archaeology and the SAA. On Saturday of the annual meeting, students registered for Student Day may attend exclusive morning activities, as well as any other annual meeting events included in the regular registration fee (organized symposia, general sessions, poster sessions, Exhibit Hall, etc.). Events include an archaeology career panel, hands-on archaeology activities, and a talk by Dr. Stephen Black on Texas archaeology.

Student Day registrants may pick up their registration materials only on Saturday, April 26. Student day credentials will be valid only for Saturday, April 26. Student Day programming is scheduled into Ballroom A (ACC), with the exception of the optional tour of the Exhibit Hall which will leave from Ballroom A (ACC).

<b>6:30 am – 12:00pm</b>	<b>Student Day Registration</b>
<b>6:30 am</b>	<b>Student Day Registration Opens Ballroom A (ACC)</b>
<b>8:00 am</b>	<b>Welcome Students!</b>
<b>8:15-8:45 am</b>	<b>Archaeology 101 Ballroom A (ACC)</b>
	This illustrated presentation is intended to build background on the field of archaeology and its opportunities. Learn what archaeologists do, where they work, and the types of jobs that come together to create a better understanding of people's lifeways and cultures.
<b>9:00-10:15 am</b>	<b>Meet the Archaeologists! Ballroom A (ACC)</b>
	Five archaeologists with different types of jobs discuss their career paths in archaeology and answer students' questions about what a career in archaeology is really like.
<b>10:15-11:00 am</b>	<b>Hands-on archaeology activities Ballroom A (ACC)</b>
	Get your hands dirty making a pictograph; measuring, weighing, and drawing artifacts in the Archaeology Laboratory; and creating a Pot Puzzle. Pick up a bag filled with useful information for high school and early undergraduate students considering a career in archaeology.
<b>11:15 am-12:00 pm</b>	<b>Lecture by Dr. Stephen Black <i>Exploring the Archaeological Traces of Texas' First 700 Generations</i> Ballroom A (ACC)</b>
	Humans have inhabited what is now Texas for at least 13,500 years, and perhaps considerably longer. The state's position at the continental intersection of the forested Southeast, the grassy Plains, and desert Southwest resulted in its considerable and under-appreciated prehistoric cultural diversity and interaction. An overview of Texas' physical, ecological and cultural landscapes through time highlights past and present examples of archaeological research and points to research prospects for future archaeologists.
<b>12:00 pm</b>	<b>Tours of the Exhibit Hall with student mentors (optional) Exhibit Hall V (ACC)</b>
	Students have the option of touring the Exhibit Hall with an SAA Student member/mentor, then spending the afternoon on their own exploring the SAA annual meeting.

Sessions at a Glance: Wednesday Evening, April 23, and Thursday Morning, April 24						
	Wed, April 23	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM
Ballroom D			1 President's Forum: Publishing Archaeology in the 21st Century			
Thurs April 24	8:00 AM	9:00 AM		10:00 AM		11:00 AM
11AB	2 General Session: Interaction		34 Symposium: Archaeological Studies in Settlement Ecology: Recent Advances from the			12:00 PM
18C	3 Symposium: The Body Adorned: Mappi		35 Symposium: Current Multi-Scalar Research in South Asian Archaeology			
17A	4 General Session: Later Prehistory in		36 Symposium: Subsistence and Landscape Change in sub-Saharan			
10A	5 General Session: Mediterranean Bronze		38 General Session: The Andean World from the Formative through the			
13AB	6 General Session: South America		36 Symposium: Place and Space in a Digital Landscape: New Perspectives			
9B	7 General Session: Native American Land Use in		37 Symposium: Borders and Boundaries in Ancient Mesoamerica			
8B	8 Symposium: Advances in the Investigation of Pre-Colum		39 Forum: Issues and Directions in Phytoolith Analysis			
8A	9 Forum: Maya Artists and their Audiences		40 Symposium: 39 Forum: Issues and Directions in Phytoolith Analysis			
Ballroom F	10-13 Poster Sessions		41 General Session: Old World Empires			
14	14 General Session: Prehistoric Texas		42-46 Poster Sessions			
9A	15 Symposium: What's Happening on the Fringe: Testing a New Model of Cross-Cultural Interac		47 General Session: Southern			
18A	16 Symposium: Moving on: Anthropological Perspectives on Human Mobility		48 General Session: Great			
Ballroom G	17 Symposium: Societal Stability and Environmental Change: Papers in Honor of Karl W. Butzer					
Ballroom C	18 Symposium: Along the Corridor and Beyond the APE: Multi-Scale Investigations of the Navajo-Gallup Water Supply					
19A	19 Symposium: Characterization of Andean Ceramics					
16B	20 Symposium: Ongoing Research in Eurasian Archaeology					
10B	21 Symposium: Mobility and migration over Mesoamerica in Classic and Postclassic times					
18D	22 Symposium: Contrasting Patterns of Collecting, Treatment and Use of Stems and Fiber for Crafts in Hunter-Gatherer versus					
19B	23 Symposium: Giving Latitude to Altitude (and Vice-Versa): The Archaeoecology of Human Settlement in Extreme Environmental					
9C	24 Symposium: The Cramer Endowments, Private Funding, and the Search for the First Americans: A Session in Memory of Joseph L.					
8C	25 Symposium: Cultural Meanings of Head Treatments in Mesoamerican and Andean Societies					
15	26 Symposium: Levantine Technology: Origins and Significance					
10C	27 Symposium: Andean Plazas: Materiality, Performance, and Society					
17B	28 Symposium: Theoretical Approaches to Analysis and Interpretation of Communalized Human Remains					
16A	29 Symposium: Resilience, Collapse and Survival in Interesting Times: Viking Age to Medieval Transitions in The Norse North Atlantic					
18B	30 Symposium: Research, Preservation, Communication: Honoring Thomas J. Green on his Retirement from the Arkansas Archeological					
Ballroom E	31 Symposium: "Preclassic Maya Civilization is no Longer a Contradiction in Terms": A Session in Honor of Norman					
Ballroom B	32 Symposium: New Investigations at the Harris Site, Mimbres Valley, New Mexico					
12AB	33 Symposium: Lighting Dark Passages Part 1: Celebrating Thirty Years of James E. Brady's Contributions to Cave Archaeology					

## Sessions at a Glance: Thursday Afternoon, April 24

	1:00 PM	2:00 PM	3:00 PM	4:00 PM
<b>Thursday April 24</b>				
<b>9B</b>	49A The Ethics Bowl			
<b>16B</b>	49 General Session: Maya	84 General Session: Southwest Asia		91 General Session: Highland Mexico
<b>18D</b>	50 Symposium: Collaborative and	83 Symposium: Mixtec Polities: Variations, Developments, and Transformations		
<b>8C</b>	51 Symposium: New advances in the society and		86 Forum: Ethics in Cultural Resource Management	
<b>16A</b>	52 General Session: Archaeology and Water in	85 Symposium: Rise and Resistance: Complex Polities among Islands and		
<b>10C</b>	53 Symposium: Animal Life Histories: Integrative		87 General Session: Archaeology on Public Lands	
<b>8A</b>	54 Forum: Cultural Resources Management Challenges on Military Lands		89 General Session: Europe During the Bronze Age,	
<b>8B</b>	55 Forum: (Re-)Defining Spatial Archaeometry		88 Symposium: Conflict, Archaeology and the Press	
<b>15</b>	56 Symposium: Borders and Frontiers in the Puebloan World		90 General Session: New World Rock Art	
<b>19A</b>	57 Symposium: Native peoples, archaeologists, sacred sites and human remains in		92 General Session: Eurasia	
<b>17A</b>	58 Symposium: Worlds at Different Scales: Population Interactions and Dynamics over Time in			
<b>19B</b>	59 Symposium: Daily Practice and Encultured Experience: Exploring Domestic Life among the Moche of			94 General Session
<b>18C</b>	60 Symposium: What is up there? A Cross-Cultural Perspective on the Functions, Symbolisms, and			95 General Session
<b>Ballroom E</b>	61 Symposium: "Preclassic Maya Civilization is no longer a contradiction in terms": A session in honor			
<b>9A</b>	62 Symposium: Iconography of the Gulf Coast			<b>93 General Session:</b>
<b>10B</b>	63 Symposium: Feeding Teotihuacan: integrating approaches to studying food and foodways of the			
<b>17B</b>	64 Symposium: Estabilishing Bioarchaeology of Community			
<b>11AB</b>	65 Symposium: Cyber-Archaeology in the Middle East - Methodologies on the New Frontier of Digital Fieldwork			
<b>Ballroom B</b>	66 Symposium: Legacies of the Mimbres Foundation: Shaping the Future of Mimbres Region Archaeology			
<b>18A</b>	67 Symposium: Archaeology, Death, and Change in Ancient Arabia			
<b>9C</b>	68 Symposium: Stewardship, Public Education, and Preservation: Promoting the Value of Archaeological Collections and			
<b>14</b>	69 Symposium: Early human occupation during the Ice Age in the Americas: News directions and advances			
<b>12AB</b>	70 Symposium: Lighting Dark Passages Part 2: Celebrating Thirty Years of James E. Brady's Contributions to Cave Archaeology			
<b>Ballroom G</b>	71 Symposium: Paleolithic Paradigms: Papers in Honor of Geoffrey Clark			
<b>18B</b>	72 Symposium: Technology and Tradition in Mesoamerica after the Spanish Invasion			
<b>13AB</b>	73 Symposium: Marking the Land: Hunter-Gatherer Creation of Meaning within their Surroundings			
<b>Ballroom C</b>	74 Symposium: The Biennial Gordon R. Willey Symposium on the History of Archaeology: Explorers in Space and Time --			
<b>10A</b>	75 Symposium: Integrated Historical Ecology of Human Ecodynamics: An Applied Archaeology for Future Earth			
<b>Ballroom F</b>		76-82 Poster Sessions		

Sessions at a Glance: Thursday Evening, April 24			
	6:00 PM	7:00 PM	8:00 PM
Thursday April 24			9:00 PM
19B	96 Electronic Symposium: Getting Back to Saving the Past for the		
9A	97 Forum: Building a Tactical and Strategic Toolkit for Indigenous	131 General Session:	
8B	98 Forum: Bridging the GAPP: Protecting Archaeological Resources		
8C	99 Forum: Plant Domestication: morphology, genetics, and social		
8A	100 Forum: Surveying the Americas	129 General Session: Brazil and	
9C	101 Forum: Using tDAR (the Digital Archaeological Record) for	130 General Session: Politics, Power, and	
Ballroom F			
102-106 Poster Sessions			
18A	107 Symposium: Digital Modelling and Analysis in Archaeology		
17A	108 Symposium: Dynamics of trade and sociopolitical development in West		
10A	109 General Session: Early Prehistory in Africa		
17B	110 Symposium: Session: Vernacular Architecture of the Pre-Columbian Americas		
14	111 General Session: American History		
16A	112 Symposium: Dinámicas de interacción en Puebla-Tlaxcala		
13AB	113 Symposium: Animals in Ancient New World Economy and Exchange		
11AB	114 Symposium: Geoarchaeology's Contribution to Understanding the Prehistory of the		
10B	115 Symposium: The "child" is now 25: Recent research into the identification of children in		
15	116 Symposium: The Cabeço da Amoreira Muige Shellmidden: coastal adaptations and the origin of		
19A	117 Symposium: Dirt and Science in the Age of Compliance: Reconfiguring Geoarchaeology for		
Ballroom G			
118 Symposium: Modes of Production and Archaeology			
Ballroom E	119 Symposium: Seeing Native People in the Missionized Areas of Western North America		
18C	120 Symposium: Processional Rituals in the Americas		
18B	121 Symposium: Provincial Uses of Inka Material Culture		
9B	122 Symposium: The Ephemerical, Sensed Past: Archaeological Approaches to Sound and Human Experience		
18D	123 Symposium: Investigations in the Land of Chocolate and Honey: Recent Archaeological Research on		
16B	124 Symposium: Archaeologies of Land-Use: Methodological and Conceptual Advances		
10C	125 Symposium: Navy Archaeology: Recent Research and Critical Perspectives		
12AB	126 Symposium: The Embodied Politics of Inequality and Pain: Case Studies from Bioarchaeology		
Ballroom B	127 Symposium: Stepping Away from Grand Narratives: Quotidian Events in the Archaeology of the Eastern		
Ballroom C	128 Symposium: Boundaries, Frontiers, and Networks: Socio-Cultural Interaction in Lowland Maya Civilization		

Sessions at a Glance: Friday Morning, April 25					
	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM
9A	132 General Session: Human		162 Symposium: "For One Pleasure, a Hundred Pains": The Royal		
10A	133 General Session: The Paleoindian Period		163 General Session: California		
8A	134 Forum: "CRM-ology": Toward a Research		166 General Session: The Paleoindian Period in		
13AB	135 Forum: Collaboration 101: Practical Tips and Cautionary		165 General Session: Cultural Resource		
8B	136 Forum: Characterizing Tribal Cultural Landscapes for		167 General Session: Late		
Ballroom F			171-175 Poster Sessions		
10B	141 General Session: Southwestern North America		164 General Session: Identity, Meaning, and		
9B	142 Symposium: Current Research from the Pinus/Catalina Island		169 General Session: Historic Texas		
16B	143 Symposium: Masculinities and Violence in Pre-Colonial Societies of the		170 General Session: Paleoethnobotan		
18C	144 Symposium: Current Research within the Casas Grandes World		168 Symposium: Ueartching New		
8C	145 Symposium: Thickly Settled: Investigating "Urban" Issues in Town and Village		179 General Session:		
17B	146 General Session: Central and Southern Coast of Peru		176 General Session: Historica		
16A	147 Symposium: Recent Work at Nixtun-Ch'ich' and Tayassí, Petén, Guatemala				
10C	148 Symposium: Seeking Shelter from the Sun: Recent Cave and Rock Shelter Research in the		177 General Session:		
12AB	149 Symposium: Correlation is not Enough: Building Better Arguments in the Archaeology of		178 General Session:		
Ballroom E					
19A	150 Symposium: Beyond the Horizons: Exploring social integration during periods of political diversity in the				
19B	151 Symposium: 40 Years of CRM (1974-2014): Accomplishments, Challenges, and Opportunities				
14	152 Symposium: Co-Creation, the Public and the Archaeological Record				
15	153 Symposium: Recent Research in Nicaragua				
15A	154 Symposium: 3D Tools for Archaeological Research in the Ancient Americas				
17A	155 Symposium: Forgetting and Remembering: The Archaeology of Historic Cemeteries.				
Ballroom G					
9C	156 Symposium: 2014 Fryxell Award Symposium: Papers in Honor of Marvin W. Rowe				
157 Symposium: Not Just for Specialists: Applying Geophysics in Archaeology					
18A	158 Symposium: Climate Change and Archaeology in Mesoamerica: A Mirror for the Anthropocene				
11AB	159 Symposium: The Convergence of History and Space: Historically-changed places in the archaeological				
18B	160 General Session: Northwestern North America				
18D	161 Symposium: New Definitions of Southeastern Mesoamerica: Indigenous Interaction, Resilience and				

Sessions at a Glance: Friday Afternoon, April 25					
	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
10C	180 General Session:		211 Symposium: Quarries and Early Mines: Breaking Boundaries		
13AB	181 General Session: Space, Place, and		213 Symposium: Re-thinking the Archaeology of		
15	182 Symposium: War without battlefields: A			216 General Session: South	
10B	183 General Session: Archaeology and Ethnohistory		214 General Session: Archaeological Theory		
8A	184 Forum: Gender Disparities in Research Grant		215 General Session: Heritage Management		
8B	185 Forum: Student Futures Part 1: Surviving and Thriving		212 Forum: Student Futures Part 2: Career Tracks for		
9A	186 Symposium: New Holocene Research in the Turkana Basin.		218 General Session: Early Prehistory in		
8C	187 Symposium: Cultural Evolution of Neolithic Europe		217 General Session: Lithic Analysis		
18C	188 General Session: Historical Archaeology in Latin Amer		219 General Session: North Coastal Peru		
14	189 Symposium: Re-connecting museum-based and field research on the		221 General Session:		
18D	190 Symposium: New Definitions of Southeastern Mesoamerica:		220 General Session: Souther		
19A	191 Symposium: Identity along the Frontiers of the Maya Area: Cultural Interactions and				
10A	192 Symposium: Fish and Fishing in the Pre-Columbian Americas				
9C	193 Symposium: Current Research in Evolutionary Archaeology				
Ballroom E					
18B	194 Symposium: Too Much is Not Enough: Abundance as an Economic Principle in Archaeological				
17A	195 Symposium: Recent Investigations in the Puuc Region of Yucatán				
19B	196 Symposium: Geophysical Applications for Cemeteries and Human Burials				
17B	197 Symposium: Emergence and Development of Complex Societies in Central America: Conditions for Precolumbian				
16B	198 Symposium: Life at the Margins of the State: Comparative Landscapes from the Old and New Worlds				
11AB	199 Symposium: Lower Pecos Canyons Archaeology				
12AB	200 Symposium: Recent archaeological research in North and West Mexico				
Ballroom G					
16A	202 Symposium: A Gift for Passion and Detail: Linda Cordell, Archaeology, and Beyond				
18A	203 Symposium: Integrating Recent Advances in the Mortuary and Bio-Archaeology of the Middle Horizon				
9B	204 Symposium: Stones in Mesoamerica's Gulf Coast: Studying Significance through				
Ballroom F					
Ballroom D					
					Annual Business

Sessions at a Glance: Saturday Morning, April 26						
	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	
<b>Saturday April 26</b>						
<b>13AB</b>	222 Symposium: Studying Social		253 Symposium: New Researches and Techniques on Lapidary Objects from			
<b>8C</b>	223 General Session: Old World		255 Symposium: Exploring Variability in Bipolar Technology			
<b>9C</b>	224 General Session: Abandonment In		254 Symposium: City, Craft, and Residence in Mesoamerica: Research Papers			
<b>9B</b>	225 General Session: Archaeological		258 Symposium: Blogging Archaeology Again			
<b>9A</b>	226 Symposium: State Formation in Early Japan		256 Symposium: Archaeological Approaches to the Production of Power in			
<b>18D</b>	227 General Session: Preclassic and Classic Maya		257 General Session: Near East			
<b>15</b>	228 General Session: Teaching Archaeology		260 General Session: Mississippi Valley			
<b>8B</b>	229 Forum: Error, Sensitivity Analysis, and Uncertainty in Archaeological		259 Symposium: The Archaeology of The Irish Famine:			
<b>Ballroom F</b>						
	230-234 Poster Sessions		263-267 Poster Sessions			
<b>16A</b>	235 General Session: East Asia		262 General Session: Later Prehistory in the			
<b>11AB</b>	236 Symposium: Late Pleistocene landscape Strategies in the Levant: Social,		261 General Session: New World Ceramics			
<b>19B</b>	237 Symposium: Master Teacher, Master Craftsman, Jack of All Trades: A Session in Honor of					
<b>10B</b>	238 Symposium: Arquitectura prehispánica en Oaxaca; investigaciones recientes en		268 General Session: Methodolog			
<b>10C</b>	239 Symposium: Those Dam Archaeologists: The River Basin Surveyors, the Interagency		269 General Session: Caribbean			
<b>17B</b>	240 Symposium: New Directions in Feminist Archaeology: Pedagogy and Practice					
<b>14</b>	241 General Session: Bioarchaeology			270 General Session: Histori		
<b>18A</b>	242 Symposium: Recent Archaeological Research in Oceania					
<b>8A</b>	243 Symposium: Learning & Doing: Communities of Practice in Scalar Perspective					
<b>10A</b>	244 Symposium: Barrow Island Archaeology Project (2013-2015), Western Australia: Year 1					
<b>17A</b>	245 Symposium: New Perspectives on the Social Dynamics and Economic Interactions of Andean Maritime Communities					
<b>Ballroom G</b>						
	246 Symposium: Humans in Their Landscapes: Papers in Honor of Michael A. Jochim, Part 1					
<b>18C</b>	247 Symposium: Southwestern Bioarchaeology 2014: Synthesis, Revision, Current Trends					
<b>18B</b>	248 Symposium: Technique and Interpretation in the Archaeology of Rock Art					
<b>12AB</b>	249 Symposium: The Gold Anniversary of Obsidian Sourcing: 50 Years of Research Around the World. Part I					
<b>Ballroom E</b>						
<b>19A</b>	250 Symposium: World Ethnobiology: Papers in Honor of Deborah M. Pearsall					
<b>16B</b>	251 Symposium: Visions of Other Worlds: Ideological and Ritual Functions of Mississippian Symbols					
	252 Symposium: Recent Trends in Plaza Investigations in the Maya Lowlands					

Sessions at a Glance: Saturday Afternoon, April 26					
	1:00 PM	2:00 PM	3:00 PM	4:00 PM	
Saturday April 26					
13AB	271 General Session: Oceania		304 Symposium: CRM Next-Gen: The Training and Future of Young CRM		
16A	272 General Session: Mortuary Practices in		303 Symposium: The Link Between Mortuary Analysis and Advances in Scientific		
18A	273 Symposium: Trafficking Cultural Objects		302 General Session: Belize		
8B	274 Forum: The Engaged Classroom: Developing Activities for Archaeology		306 General Session: Bioarchaeology in North Americ		
9C	275 Symposium: Tula of the Toltecs and Central Mexican Archaeology:		305 Symposium: Regional Integration and		
9B	276 Symposium: The Destiny of Their Manifests: Modeling Sixteenth-Century		307 General Session : Maritime Archaeology		
17A	277 Symposium: The Light and Dark Sides of Las Cuevas, Belize			308 General Session: The Archaic Period in	
10B	278 General Session: Paleolithic Europe				
19A	279 Symposium: The Early Mesoamerican City: Urbanism and Urbanization in the Formative Period				
9A	280 Symposium: Calf Creek: A Middle Holocene Horizon on the Southern Plains				
14	281 Symposium: Reassembling the sacred bundle: multifaceted approaches to understanding the past.			310 General Session: Europe	
10A	282 Symposium: Lonesome Landscapes: The Archaeology of Remoteness and Isolation				
11AB	283 Symposium: Forensic Archaeology: past cases, current research				
Ballroom G					
18B	284 Symposium: Humans on the Landscape: Papers in Honor of Michael Jochim, Part 2				
18B	285 Symposium: Recent Advances in the Archaeology of Pachatamac, Paqquima and the Lurin Valley in the Peruvian				
15	286 Symposium: Current Issues in Zooarchaeological Sampling and Methodology				
12AB	287 Symposium: The Gold Anniversary of Obsidian Sourcing: 50 Years of Research Around the World: Part II				
18D	288 Symposium: Feast, Famine or Fighting? Multiple Pathways to Social Complexity				
16B	289 Symposium: Coupled Regions, Coupled Systems: Dynamics of Prehispanic Farming Societies in the Northern San Juan and the Northern				
17B	290 Symposium: Advancing Theory and Interpretation in a 21st Century Pacific Northwest Archaeology				
18C	291 Symposium: Bioarchaeological approaches to kinship: bridging biology, social relatedness, and theory				
19B	292 Symposium: The Regional in the Local and the Local in the Regional: Papers in Honor of Leslie C. Shaw				
Ballroom E					
10C	293 Symposium: Archaeology Beyond Borders: current investigations by Mexican and American researchers				
8C	294 Symposium: Land Use and Social History in the Southern Chuska Valley, New Mexico.				
8A	295 Symposium: Recent Applications and Innovation in Archaeological Remote Sensing				
Ballroom F					
	296 Symposium: ARCHAEOLOGY SHOULD BE ____ [Adjective/Noun/Phrase]			: A COHORT'S PERSPECTIVE ON PARTICIPATION, PUBLICS, AND	
	297-301 Poster Sessions				

Sessions at a Glance: Sunday Morning, April 27			
Sunday April 27	8:00 AM	9:00 AM	10:00 AM
13AB	311 General Session: Central America and 312 General Session: Guatemala		340 General Session: Midwest U.S. 341 General Session: People and Environments in
9A			
8A	313 Forum: Recent Archaeological Research in Mongolia:		343 General Session: Northern and Western
8B	314 Forum: Heresy in the Tower: Archaeological fiction--a tool		342 General Session: Later Prehistory
Ballroom F	315-318 Poster Sessions		
18C	319 General Session: Mesoamerica		
10A	320 General Session: Zooarchaeology		
16B	321 General Session: Pottery in the Southwest		344 General Session: Northern Southwest
11AB	322 General Session: Digital Archaeology		
18A	323 General Session: Culture Contact in the New World		
19B	324 General Session: Great Basin Archaeology		
15	325 Symposium: Back for More: New Investigations and Perspectives in		
18B	326 General Session: Public Archaeology		
14	327 General Session: Mississippian Southeast		
17B	328 General Session: The Recent Past		
10B	329 Symposium: Trade and Ceramics in the Uruk Expansion: Recent Insights from		
16A	330 Symposium: The Value of Things: Commodities in the Maya Region from Prehistoric		
9C	331 Symposium: Applied Archaeology in the Global South: Action, Assessment, and the		
8C	332 General Session: Mediterranean		
19A	333 Symposium: Integration and Disintegration: The Role of Public Architecture in the		
Ballroom G	334 Symposium: Rare, Intriguing, and Poorly Understood: Incised Stones from the Western United		
9B	335 Symposium: Multi-scalar Approaches to Archaeological Interpretation		
18D	336 Symposium: Learning from destruction: patterns of decay, production techniques, and evidence for use of		
Ballroom E	337 Symposium: The Use of LiDAR in Mesoamerican Archaeology: New Approaches to Settlement and Research		
17A	338 Symposium: Indigenous people and foreign things: archaeologies of consumption in the Americas		
12AB	339 Symposium: Reassessing the Artatíán World: Cultural Dynamics in Postclassic Northwest Mesoamerica (AD 900-1450)		

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Thursday Morning, April 24

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## Program

### Wednesday Evening ■ April 23, 2014

- [1] **OPENNING SESSION AND PRESIDENT'S FORUM ■ PUBLISHING ARCHAEOLOGY IN THE 21ST CENTURY**  
(Sponsored by President)  
**Room:** Ballroom D (ACC)  
**Time:** 6:30 PM - 8:30 PM  
**Organizers:** Suzanne Fish and Deborah Nichols  
**Moderator:** Jeffrey Altschul

**Participants:**

- Kenneth Ames—Discussant  
Christine Szuter—Discussant  
Michael Smith—Discussant  
Sarah Kansa—Discussant  
John Yellen—Discussant  
Sarah Herr—Discussant  
Mark Aldenderfer—Discussant  
Christopher Pool—Discussant

### Thursday Morning ■ April 24, 2014

- [2] **GENERAL SESSION ■ INTERACTION NETWORKS IN THE AMERICAN SOUTHWEST**  
**Room:** 11AB (ACC)  
**Time:** 8:00 AM - 9:00 AM  
**Chair:** Erin Smith

**Participants:**

- 8:00 David Lewandowski—Examining the Social Networks During the Pit house-to-Pueblo Transition in the Mogollon Highlands  
8:15 Travis Cureton—Cohonina Forts and Line-of-sight Networks  
8:30 Karen Harry—Changing Subsistence and Interaction Patterns in the Mt. Dellenbaugh Region of the Shivwits Plateau, Northern Arizona  
8:45 Erin Smith and Mikael Fauvelle—A Western Subset of the North American Oikoumene: Regional Interaction between California and the Southwest

- [3] **SYMPOSIUM ■ THE BODY ADORNED: MAPPING ANCIENT MAYA DRESS**  
**Room:** 18C (ACC)  
**Time:** 8:00 AM - 9:15 AM  
**Chairs:** Alyce De Carteret and Katharine Lukach

**Participants:**

- 8:00 Jeffrey Dobereiner—Caught by the Coiffure! Subordination, Ceremony and the Significance of Hair Among the Classic Maya  
8:15 Nicholas Carter and Alyce De Carteret—Tuupaj: Ancient Maya Ear and Nose Ornaments as Artifacts and Signs  
8:30 Katharine Lukach—Uuhaj: Material and Representational Aspects of Ancient Maya Neck and Pectoral Ornaments  
8:45 Franco Rossi—All About Xanab: Understanding Ancient Maya footwear  
9:00 Alyce De Carteret—Discussant

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Thursday Morning, April 24

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**[4] GENERAL SESSION ■ LATER PREHISTORY IN AFRICA**

**Room:** 17A (ACC)

**Time:** 8:00 AM - 9:15 AM

**Chair:** Laurie Nixon-Darcus

**Participants:**

- 8:00 Kirsten Atwood—Iron Age Cusine at Bosutswe, Botswana: Food and Inequality  
8:15 Alexander Antonites—Political and Economic Interactions in the Hinterland of the Mapungubwe Polity, c. AD 1200-1300, South Africa  
8:30 Andrew Gurstelle—Ceramic Styles and Regional Interaction in the Savè Hills, Bénin  
8:45 Laurie Nixon-Darcus and A.Catherine D'Andrea—Grinding to Sustain Life: An Ethnoarchaeological Approach to Grinding Equipment Use in northern Ethiopia  
9:00 Loretta Dibble—Fishing and Land Use: What studies of fishing technology and topography can tell us about pre-historic land use

**[5] GENERAL SESSION ■ MEDITERRANEAN BRONZE AGE**

**Room:** 10A (ACC)

**Time:** 8:00 AM - 9:15 AM

**Chair:** Walter Crist

**Participants:**

- 8:00 Kevin Fisher—Differing Trajectories of Urbanism on Late Bronze Age Cyprus  
8:15 Natalie Abell and Eugenia Gorogianni—Industry and Interaction: Craft Producers as Agents of Culture Change in Bronze Age Ayia Irini, Kea, Greece  
8:30 Francesca Cadeddu—Settlement strategies and socio-political organization: a methodological approach to the case study of the Sardinian Bronze Age  
8:45 Peter Day, Eleftheria Kardamaki, Aikaterini Demakopoulou, Joseph Maran and Alkestis Papadimitriou—Transport Jars and Commodity Exchange in the Mycenaean World: Tiryns and Midea  
9:00 Walter Crist—Games of Thrones: Board Games and Social Complexity in Bronze Age Cyprus

**[6] GENERAL SESSION ■ SOUTH AMERICA**

**Room:** 13AB (ACC)

**Time:** 8:00 AM - 9:30 AM

**Chair:** Rosicler Silva

**Participants:**

- 8:00 Wm. Haas—Residential Mobility, Site-Size Variation, and Archaic Foragers of the Altiplano  
8:15 María Álvarez, María Gutiérrez and Cristian Kaufmann—The Role of Hog-nosed Skunk in the Subsistence of Hunter-Gatherers of the Pampean Region of Argentina  
8:30 Gustavo Martinez, Luciano Prates, Gustavo Flensburg, Luciana Stoessel and Ana Paula Alcaraz —Radiocarbon Chronology of the Humid Pampa Subregion of Argentina: archaeological signal, demographic processes and population dynamics.  
8:45 Weston McCool and Bradley Parker—Household Maize Beer Production in the Andes: An Ethnoarchaeological Investigation  
9:00 Rosicler Silva and Julio Rubin—Archaeological Sites, Natural Processes, Anthropic Activity and Conservation of the Central Plateau of Brazil  
9:15 Gerson Levi Lazzaris and Erika Marion Robrahn-González—Management of urban and archaeological settings: a case study of the Port of Rio de Janeiro, Brazil

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Thursday Morning, April 24

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**[7] GENERAL SESSION ■ NATIVE AMERICAN LAND USE IN THE AMERICAN SOUTHWEST**

**Room:** 9B (ACC)

**Time:** 8:00 AM - 9:30 AM

**Chair:** E Adams

**Participants:**

- 8:00 Stacey Jordan—The Emerging Archaeology of Ford Dry Lake: Recent Results from California's Chuckwalla Valley
- 8:15 Jesse Murrell and Cassandra Keyes—Archaic Land Use of the Taos Plateau and Rio Grande del Norte, New Mexico
- 8:30 Jim Railey—Long-term Trends in Far Southeastern New Mexico: Zooming In and Out
- 8:45 E Adams and Samantha Fladd—Preceramic Migration and Landscape Formation along Lower Chevelon Canyon, Northeastern Arizona
- 9:00 Christopher Crews—Cultural Changes in the Piedre Lumbre Valley, NM during the Developmental-Coalition Transition
- 9:15 Wendy Sutton—Imaging a Prehistoric Landscape: Water Management at Chimney Rock, a Pueblo II Settlement in Southwest Colorado

**[8] SYMPOSIUM ■ ADVANCES IN THE INVESTIGATION OF PRE-COLUMBIAN GUERRERO AND OAXACA, MEXICO**

**Room:** 8B (ACC)

**Time:** 8:00 AM - 9:45 AM

**Chairs:** Cinthya Vidal and Israel Roman Ramos

**Participants:**

- 8:00 Guy Hepp—La Consentida and Initial Early Formative Period Social Organization on the Pacific Coast of Oaxaca, Mexico
- 8:15 Victoria Menchaca and Sarah Barber—Ballcourts, Ceremonial Centers, and Trade Routes in the Manialtepec Basin of Oaxaca's Central Coast
- 8:30 Israel Roman Ramos—The Beginning of a Long Journey: Archaeology and Cultural Heritage Promotion Along the Southeast Coast of Guerrero, Mexico
- 8:45 Israel Hinojosa-Balino and Gerardo Gutierrez—Archaeological Settlement Patterns in the Province of Tlapa, Guerrero
- 9:00 Angel Rivera—Una introducción al estudio de los monumentos grabados de Cerro de la Tortuga, costa de Oaxaca.
- 9:15 Jeffrey Brzezinski, Arthur Joyce and Sarah Barber—The Construction and Use of Public Space at Cerro de la Virgen, Oaxaca, Mexico
- 9:30 Juan Sereno-Uribe—Discussant

**[9] FORUM ■ MAYA ARTISTS AND THEIR AUDIENCES**

**Room:** 8A (ACC)

**Time:** 8:00 AM - 10:00 AM

**Moderator:** Michael Carrasco

**Participants:**

Maline Werness-Rude—Discussant

Mary Katherine Scott—Discussant

Kaylee Spencer—Discussant

**[10] POSTER SESSION ■ COMPOSITIONAL ANALYSES AND SOURCING STUDIES IN ARCHAEOLOGY**

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

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Thursday Morning, April 24

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**Participants:**

- 10-a Alice Hunt and Robert Speakman—Protocol for the analysis of archaeological ceramics and sediments by pXRF
- 10-b Jacob Adams and Sam Coffman—Testing the Accuracy of Minimum Analytical Nodule Analysis (MANA) Using PXRF: An Experimental Approach
- 10-c Signe Valentinsson, Matthew C. Sanger and Anna M. Semon—Large-scale pXRF survey of archaeological ceramics from the American Southeast
- 10-d Chris Young—TRAVELIN' RHYOLITE: SOURCING LITHIC RAW MATERIAL IN RELATION TO THE JOHANNES KOLB ARCHAEOLOGICAL SITE (38DA75)
- 10-e Anne Parfitt and Patrick McCutcheon—Chemical Sourcing of Obsidian Lithic Fragments from the Grissom Site (45KT301) to Study Intra-site and Inter-site Source Variability
- 10-f Cody Dalpra, Carol Delher, Molly Boeka Cannon and Bonnie Pitblado—Petrographic Analysis for Quartzite Sourcing in the Gunnison Basin, Colorado
- 10-g Shilo Bender—Costs and Strategies of Obsidian Procurement in the Southwest Borderlands
- 10-h Stephanie Mack—Sizing Up: Chert Cobble Bed Sourcing within the Petrified Forest National Park
- 10-i Sachiko Sakai—Luminescence Dating and Chronological Reconstructions in the Arizona Strip and Adjacent Areas in the American Southwest
- 10-j Lindsey Komes and Winifred Creamer—LA-ICPMS analysis of clay and ceramics from San Marcos Pueblo
- 10-k Khori Newlander—Comparing Compositional Data Acquired by pXRF and LA-ICP-MS for Cherts in Eastern Nevada
- 10-l Ying Lin, Khori Newlander, Nathan Goodale and David Bailey—Chert and Obsidian Calibrations for pXRF Based on National and International Standards
- 10-m David Cranford—Analyzing 18th century Catawba pottery and a lead glazed sherd using portable X-ray fluorescence (pXRF)
- 10-n Heather Walder and Laure Dussubieux—Identifying American native and European smelted coppers with pXRF: a case study of artifacts from the Upper Great Lakes region
- 10-o Rebecca Wiewel—Protohistoric Community Formation in the Central Arkansas River Valley: The Use of Compositional Analysis to Identify Regional Interaction
- 10-p Dora Lambert—ICP-MS Analysis of Sediment for Sourcing Ceramic Sherds in Shkodër region of Northern Albania

**[11] POSTER SESSION ■ ARCHAEOLOGICAL CERAMICS**

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 11-a Hans Barnard, Augusto Cardona Rosas and Maria Lozada—The Ramada Ceramic Tradition in the Vitor Valley (Arequipa, Peru) around 850 CE
- 11-b Fernando Franchetti and Nuria Sugrañes—Pots in Northern Patagonia: Design Characteristics, Functionality and Variability
- 11-c Valentina Martinez and Carmen Sanchez—Ceramic Technological traditions in coastal Ecuador
- 11-d Anna Mazin, Olivia Navarro-Farr and P. Nick Kardulias—Gendering Ceramic Production in Hohokam Society
- 11-e Claire Barker—Corrugated Pottery and Communities of Practice
- 11-f Alison Livesay—Black, White, and Red All Over: Mimbres Oxidized Ceramics
- 11-g Neill Wallis, Thomas Pluckhahn, Ann Cordell and Michael Glascock—Understanding Woodland Period Social Interactions through Integrated Analyses of Pottery

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Thursday Morning, April 24

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- 11-h Karen Smith and Vernon J. Knight—Swift Creek Design Elements and their Layouts
- 11-i Rachel Briggs—Nixtamalization in the Prehistoric Southeastern United States
- 11-j Jeanette Harlow, Elizabeth Niespolo, Sachiko Sakai and Carl Lipo—Thermal Properties and Functional Advantages of Olivine-Tempered Moapa Ware: a Comparative Study
- 11-k Vincent Warner—It's About Time: Using Relative Dating and Seriation to Identify Trends in Northeastern Missouri Late Woodland Pottery Decoration.
- 11-l Sarah O'Donnell—Investigating Ozarks Marginality: A Study of Late Prehistoric Ceramics from the Northern Ozark Highland of Missouri

**[12] POSTER SESSION ■ LIFE, DEATH, DIET, AND DISEASE IN PREHISTORIC NORTH AMERICA**

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 12-a Martin Welker and Patricia Lambert—Subsistence and Trauma: The Southeast in Perspective
- 12-b John Krigbaum, Neill Wallis, Nicholas Couto and Christina Holland—Weeden Island Paleodiet and Mobility: Isotopic Results from Three Coastal Sites in Northern Florida
- 12-c Elizabeth Nelson and Christine Halling—Evidence for Skeletal Fluorosis at the Ray Site: a Pathological Assessment and Description of Community Health
- 12-d Christine Halling and Elizabeth Nelson—Bone Resorption of the Distal Radius and Ulna: a Case Study from the Ray Site
- 12-e Megan Schwalenberg—A Comparative Analysis of the Dental Health of Two Middle Woodland Burial Populations in the Lower Illinois Valley
- 12-f Greg Kauffman—Stable Isotope Analysis of a Middle Woodland Population from North-central Kansas
- 12-g Christian Cruz-Morales—Correlation of Death Rate and Periodontal Disease in the Prehistoric Human Remains of Pueblo Bonito

**[13] POSTER SESSION ■ TECHNICAL ANALYSES IN ARCHAEOLOGY**

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 13-a Paul Buck and Donald Sabol—SUB-PIXEL DETECTION OF ARCHAEOLOGICAL MATERIALS USING NASA SATELLITE AND AIRCRAFT DATA
- 13-b Adam Wiewel and Jesse Casana—UAV-based Archaeological Aerial Thermography
- 13-c Michael Chodoronek, Matthew Douglass and Sam Lin—Photogrammetry applications in feature and site documentation: case studies in southeastern Alaska and northwestern Nebraska
- 13-d Brendan Culleton and Douglas Kennett—Developments in Radiocarbon and Stable Isotope Preparation of Archaeological Materials at the Penn State Human Paleoecology and Isotope Geochemistry Lab
- 13-e Wendy Cegielski, Grant Snitker, Gayle Timmerman, C. Michael Barton and Bette Otto-Btiesner—Reconstructing Local Paleoclimate Data with Global and Local Variables: A Re-examination of “Downscaling” with Updated Paleoclimate Models
- 13-f Grant Snitker—Exploring the Dynamics of Anthropogenic Fire Regimes through Agent Based Modeling (ABM) and Geographic Information Systems (GIS)

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Thursday Morning, April 24

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- 13-g Ursel Wagner, Rupert Gebhard, Zsolt Revay, Peter Albert and Friedrich E. Wagner—Chlorine determination in iron artifacts by prompt gamma activation analysis (PGAA)
- 13-h Alexandr Schipani—The Use of the Scapula to Determine Biological Sex
- 13-i Cassandra Fitzgerald—Retest of a Recently Developed Method of Sex Determination on the Distal Humerus
- 13-j Warren Lail, David Sammethyl, Shannon Mahan and Jason Nevins—A Non-Destructive Method for Dating Human Remains
- 13-k Kelsey Roepe and Megan Perry—A Bayesian Approach to Investigating Age-at-Death of Subadult Archaeological Samples
- 13-l Travis Jones, Daniel Bigman and Jeff Speakman—Testing Alternative Methods for Unmarked Burial Identification
- 13-m Anthony Krus, Robert Cook and Derek Hamilton—A little bit longer: The date of events at the SunWatch site

**[14] GENERAL SESSION ■ PREHISTORIC TEXAS**

**Room:** 14 (ACC)

**Time:** 8:00 AM - 10:00 AM

**Chair:** Jason Barrett

**Participants:**

- 8:00 Jason Barrett, Richard Weinstein, Roger Moore and Charles Frederick—Cached, Dropped, or Ritually Deposited?: Dimond Knoll's Enigmatic Lithic Assemblage and the Archaeology of Motive
- 8:15 J. Javi Vasquez, Vance T. Holliday, Arthur H. Harris and Susan M. Mentzer—An Overview of Investigations at Sierra Diablo Cave, Texas (2008-2013)
- 8:30 Joseph Luther—THE BONEYARD: A 12,000 YEAR HISTORY
- 8:45 Nathanael Dollar—Testing Intensification Theory Using Lower Pecos Coprolites
- 9:00 Casey Riggs—Seasonal Plant Community Use by Late Prehistoric Hunter-Gatherers in the Eastern Trans-Pecos Archaeological Region of Texas
- 9:15 Haley Rush—The Rowe Valley Site (41WM437): A Study of Toyah Period Subsistence Strategies in Central Texas
- 9:30 Steve Carpenter—Grand Parallel - A Consistent Latitude of Caddo and Late Woodland Multimound Centers from Eastern Texas to the Lower Mississippi Valley
- 9:45 Juan Gonzalez, Bobbie Lovett and Russell Skowronek—Deflation Troughs, Water and Prehistoric Occupation of the South Texas Sand Sheet

**[15] SYMPOSIUM ■ WHAT'S HAPPENING ON THE FRINGE: TESTING A NEW MODEL OF CROSS-CULTURAL INTERACTION IN ANCIENT BORDERLANDS**

**Room:** 9A (ACC)

**Time:** 8:00 AM - 10:45 AM

**Chairs:** Ulrike Green and Kirk Costion

**Participants:**

- 8:00 Ulrike Green and Kirk Costion—Seeing What's Happening on the Fringe: Exploring the Visual Representation of Cross-Cultural Interaction
- 8:15 Bryan Hanks—Social Processes and Frontier Dynamics in the Late Prehistoric Eurasian Steppes
- 8:30 Peter Wells—Objects, Decoration, and Writing: Dynamics of Communication Media in the Roman Frontier Zone of Temperate Europe
- 8:45 Peter Andreas Toft—Modeling complex cultural encounters in contact and colonial Greenland (1690-1900 AD) - possibilities and limitations of the interaction zone model

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Thursday Morning, April 24

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- 9:00 Stuart Smith and Michele Buzon—Cross-Cultural Interaction in the ancient Egyptian and Nubian Borderland  
9:15 Madeleine Gunter—Modeling Colonial Encounter: An Analysis of Trade Networks on the Seventeenth-Century Eastern Siouan Frontier  
9:30 Meghan Buchanan—Reconfiguring Regional Interactions in the Face of Cahokia Decline: A View from the Common Field Site, MO  
9:45 Maeve Skidmore—Cusqueños, Huareños, and the Wari: an evaluation of intense cultural exchange in the Middle Horizon Cusco region of Peru  
10:00 Verity Whalen and Corina M. Kellner—Modeling Late Nasca societal interaction on the south coast of Peru  
10:15 Kirk Costion and Ulrike Matthies Green—Modeling the Prehistory of Regional Interactions in the Moquegua Valley, Southern Peru  
10:30 Bryan Feuer—Discussant

**[16] SYMPOSIUM ■ MOVING ON: ANTHROPOLOGICAL PERSPECTIVES ON HUMAN MOBILITY**

**Room:** 18A (ACC)

**Time:** 8:00 AM - 11:00 AM

**Chairs:** Steven Kuhn and Amy Clark

**Participants:**

- 8:00 Douglas Bird and Rebecca Bliege Bird—Constructing Martu country: mobility and trophic facilitation in Australia's Western Desert  
8:15 Todd Surovell and Matthew O'Brien—Mobility at the Scale of Meters  
8:30 Ariane Burke, Dario Guiducci and James Steele—Seeing our way: perception of the landscape and patterns of hominin dispersal.  
8:45 Ian Wallace, Lynn Copes, David Raichlen and Theodore Garland, Jr.—Mobility as a nexus of biological organization  
9:00 David Raichlen, Brian Wood, Adam Gordon, Frank Marlowe and Herman Pontzer—Scale-free foraging in human hunter-gatherers: Lévy walks are a fundamental feature of human mobility  
9:15 Steven Churchill, Christopher Walker and Adam Schwartz—Large-bodied carnivores as a model for predicting Neandertal home range size  
9:30 Marcus Hamilton—The ecology of hunter-gatherer residential mobility  
9:45 Steven Kuhn, W. Randall Haas and Luke Premo—Are individual mobility patterns emergent from resource distributions? A modeling approach.  
10:00 Antonin Tomasso and Guillaume Porraz—Embedded procurement: between assumption and facts. An overview on the Upper Paleolithic from the Mediterranean corridor (Provence and Liguria)  
10:15 Amy Clark—Time and Space in the Middle Paleolithic: Spatial Analysis of Open Air Sites in France  
10:30 William Rendu—Neandertal mobilities in Southwestern France: A zooarchaeological perspective.  
10:45 Robert Kelly—Discussant

**[17] SYMPOSIUM ■ SOCIETAL STABILITY AND ENVIRONMENTAL CHANGE: PAPERS IN HONOR OF KARL W. BUTZER**

**Room:** Ballroom G (ACC)

**Time:** 8:00 AM - 11:15 AM

**Chairs:** Carlos Cordova and Arlene Rosen

**Participants:**

- 8:00 Carlos Cordova—Bridging disciplines in a global context: Environment and society in Karl Butzer's academic journey

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**Thursday Morning, April 24**

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- 8:15 Laura Basell, Tony Brown, P Toms, D Ongwen and C Kinyera-Okeny—Human Evolution at the Headwaters of the Nile
- 8:30 Steven Rosen—Basic Instabilities? Climate and Culture in the Negev over the Long Term
- 8:45 Joanne Rowland and Judith Bunbury—Environmental change in the western Nile Delta from the Middle Palaeolithic into the Neolithic: new considerations regarding the mobile and settled communities in the vicinity of Merimde Beni Salama
- 9:00 Clive Waddington—Paradise lost, paradise regained: Mesolithic resettlement of the north-east British coast after a catastrophic North Sea tsunami
- 9:15 Georgina Endfield—Re-particularizing climate: the importance of context, culture and complexity
- 9:30 Tony Brown—Examining the Archaeology - Soil Erosion Paradox
- 9:45 Arlene Rosen—Geoarchaeology at the Edge: Measuring the pulse of process and human agency at the interface of landscape and site in Neolithic through Iron Age China
- 10:00 Timothy Beach, Sheryl Luzzadder-Beach, Thomas Guderjan and Samantha Krause—Maya Wetland and Floodplain Formation: Societal Stability and Environmental Change
- 10:15 Jonathan Flood—Settlement Continuity and Change on the Mochlos Plain in East Crete
- 10:30 Isabel Rivera-Collazo and Amos Winter—Human adaptation strategies of abrupt climate change ca3.8kya
- 10:45 Joseph Schuldenrein—Geoarchaeology, Forensics, and the Prosecution of Saddam Hussein: A Case Study from the Iraq War, 2005-2008
- 11:00 Sheryl Luzzadder-Beach—Discussant

- [18] SYMPOSIUM ■ ALONG THE CORRIDOR AND BEYOND THE APE: MULTI-SCALE INVESTIGATIONS OF THE NAVAJO-GALLUP WATER SUPPLY PROJECT, NORTHWEST NEW MEXICO**  
 (Sponsored by PaleoWest Archaeology)  
**Room:** Ballroom C (ACC)  
**Time:** 8:00 AM - 11:30 AM  
**Chairs:** Shawn Fehrenbach and Jason Chuipka

**Participants:**

- 8:00 Kevin Thompson, Thomas Motsinger and Joseph Tuomey—Navajo-Gallup Water Supply Project (NGWSP): Now We're Getting Somewhere
- 8:15 Joseph Tuomey and Ernie Rheaume—Perspectives on NGWSP from the Bureau of Reclamation:
- 8:30 Jason Chuipka—Looking Beyond the APE: Landscape Level Research in the San Juan Basin and the Navajo-Gallup Water Supply Project
- 8:45 Shawn Fehrenbach, Nikki Shurack and Daniel Rucker—Managing Digital Data in the Laboratory for NGWSP
- 9:00 Kirk Anderson—The Physical Landscape and Paleoclimates of the San Juan Basin
- 9:15 Cory Breternitz—Summary of the NGWSP Cultural Resources Inventory
- 9:30 Dennis Gilpin—Family, Community, and Regional Social Interaction among the Diné of the Tohakai Area
- 9:45 Saul Hedquist and Kye Miller—Reach 12A Sites and Ritual Deposition in a Regional Context
- 10:00 Lindsey Clark and Dean Wilson—Ceramic Variation and Occupation History of Site NM-Q-18-120
- 10:15 James Moore, Nancy Akins, Dean Wilson, Pamela McBride and Karen Wening—

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Thursday Morning, April 24

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Artifacts and Assemblages from Reach 12A of the Navajo-Gallup Water Supply Project

- 10:30 Ronald Maldonado—The Navajo-Gallup Water Supply Project as seen from the Navajo Nation Historic Preservation Department
- 10:45 Paul Reed—Discussant
- 11:00 Richard Wilshusen—Discussant
- 11:15 Questions and Answers

**[19] SYMPOSIUM ■ CHARACTERIZATION OF ANDEAN CERAMICS**

**Room:** 19A (ACC)

**Time:** 8:00 AM - 11:30 AM

**Chair:** Isabelle Druc

**Participants:**

- 8:00 Estefania Vidal Montero and Mauricio Uribe—Pottery and Social Complexity in Tarapacá, Atacama Desert (Northern Chile)
- 8:15 Isabelle Druc—Forams in My Plate: Ceramic Production in Puemape, North Coast of Peru
- 8:30 Michele Koons—Internal vs. External: An Examination of Moche Politics through Similarities and Differences in Ceramic Style
- 8:45 Ann Laffey—Empires Crafted of Clay: Earthenware Archaeometrics and the Characterization of Gendered, Multi-Scalar Political Expressions of Middle Horizon Andean Earthenware Vessels.
- 9:00 Alicia Gorman, Jelmer Eerkens and Kevin Vaughn—Electron Microprobe Analysis of Nasca Polychrome Ceramic Pigments
- 9:15 Matthew Piscitelli, Sofia Chacaltana Cortez, Nicola Sharratt, Mark Golitko and P. Ryan Williams—Inferring Socio-Political Dynamics in the Moquegua Valley through Geochemical Analysis
- 9:30 Jason Toohey—Ceramic Exchange and Community Interaction in the Late Prehispanic Cajamarca Basin, Northern Peru
- 9:45 Krzysztof Makowski, Iván Ghezzi, Hector Neff and Gabriela Oré—Networks of Ceramic Production and Exchange in the Late Horizon: Characterization of Ceramic Styles and Clays on the Central Coast of Peru
- 10:00 James Davenport—Literal Providers of Food and Drink: Examining Inka Imperial Control through Pottery
- 10:15 Silvana Raquel Alina Bertolini, Udo Zimmermann, Marcos Gastaldi and Andrés Laguens—The Ceramics and Pigments from Piedras Blancas (600-1000 AC), Aguada Culture: Clay Provision, Technology, and Social Change at the Ambato Valley (Argentina).
- 10:30 Laura Marsh, Isabelle Druc and Cesar Sara Repetto—Sampling Paste for Thin Section: An Andean Case Study of the Initial Steps of Petrographic Research
- 10:45 Michael Deibel, William Whitehead, Corinne Deibel and Emily Stovel—Archaeometry in San Pedro de Atacama: Using hhXRF and hhFTIR in the Study of Obsidian and Ceramics
- 11:00 Cathy Costin—Discussant
- 11:15 Maria Masucci—Discussant

**[20] SYMPOSIUM ■ ONGOING RESEARCH IN EURASIAN ARCHAEOLOGY**

**Room:** 16B (ACC)

**Time:** 8:00 AM - 11:45 AM

**Chairs:** Kathryn Franklin and James Johnson

**Participants:**

- 8:00 James Johnson—Disassembling Community and Complexity in the Eurasian Bronze Age: Social Transformations during the Middle through Final

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Thursday Morning, April 24

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- Bronze Ages, Southern Urals, Russian Federation  
8:15 Colin Quinn—Modeling Dynamics of Community Organization in Resource Procurement Zones: A Bronze Age Transylvanian Case Study
- 8:30 Kristine Martirosyan - Olshansky—Masis Blur, a Neolithic Settlement in the Ararat Plain, Armenia
- 8:45 Taylor Hermes—Our Complexity Against Theirs: Neolithic Cultures in the Altai Mountains
- 9:00 Tekla Schmaus—Untangling Data and Entangling Lives in Semirech'ye
- 9:15 Alan Greene, Charles Hartley and Paula Doumani—Forging a Eurasian Archaeometry: Nine Years of Materials Analysis and Technique Development by The Making of Ancient Eurasia (MAE) Project
- 9:30 Katherine Haas—Death in the Context of Dying: Comparing Evidence for Differential Mortality at Two Bronze Age Cemeteries from Northern Serbia
- 9:45 Denis Sharapov—Evaluating social developments of the Middle and Late Bronze Age periods (2100BC-800BC) in the Southern Urals, Russia using regional settlement pattern evidence.
- 10:00 Lara Fabian—Revisiting Roman-Period Eastern Transcaucasia: Entanglements past and present
- 10:15 Jacob Winter—Implementing Geoarchaeological Methods to Explore Site Formation Processes of Pastoralist Occupations in Eurasia
- 10:30 Lynne Rouse—Leaving Empires in the Dust: Why core-periphery relationships aren't helpful for understanding prehistoric Central Asia
- 10:45 Hannah Chazin and Maureen Marshall—The Chemistry of Mobility: Preliminary Results, Potentials, and Challenges of Isotope Analysis in the Tsaghkahovit Plain, Armenia
- 11:00 Adrienne Frie—Attitudes towards Animals – Connections between Eurasian Animal Style art and the representation of animals in Southeastern Slovenia
- 11:15 Robert Spengler—Late Third Millennium B.C. Agriculture in the Foothills of Central Asia: A Mixing Zone for East and South Asian Crops
- 11:30 Kathryn Franklin—A cosmopolitanism of in-betweens: archaeology of medieval trade and politics in Armenia

**[21] SYMPOSIUM ■ MOBILITY AND MIGRATION OVER MESOAMERICA IN CLASSIC AND POSTCLASSIC TIMES**

**Room:** 10B (ACC)

**Time:** 8:00 AM - 11:45 AM

**Chairs:** Gregory Pereira and Charlotte Arnauld

**Participants:**

- 8:00 Christine Dixon and Nancy Gonlin—A Site in Motion: Examining Intra-site Mobility at Cerén, El Salvador
- 8:15 Charlotte Arnauld, Eva Lemonnier and Mélanie Forné—Maya residential architecture, mobility and the Terminal Classic abandonment of lowland urban settlements
- 8:30 Elizabeth Graham—Mobility and resilience: a perspective from the eastern Maya lowlands
- 8:45 Jason Yaeger—Hinterland settlement histories, population mobility, and political dynamics in the Mopan River valley, Belize
- 9:00 Julie Hoggarth, Carolyn Freiwald, Anna Novotny and Jaime Awe—Postclassic Settlement and Population Movement at Baking Pot and in the Belize River Valley
- 9:15 Andrea Cucina and Vera Tiesler—Population dynamics during the Classic and Postclassic period Maya in the Northern Maya Lowlands: the analysis of dental morphological traits

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Thursday Morning, April 24

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- 9:30 Carolyn Freiwald, Katherine Miller, T. Douglas Price, James H. Burton and Paul Fullagar—Reconsidering ancient population movement in Mesoamerica: new strontium and oxygen isotopes values in western Honduras
- 9:45 Linda Manzanilla—Mobility and Multiethnic Neighborhoods in Teotihuacan. The Teopancazco Case
- 10:00 Sarah Clayton—Migration and Multiethnicity in the Epiclassic Basin of Mexico: a Perspective from the Households of Chicoloapan Viejo
- 10:15 Michael Smith—Urbanization and Village Nucleation: Causes and Consequences of Moving into Town
- 10:30 Gregory Pereira, Marion Forest and Elsa Jadot—Ephemeral cities ? Estimating the longevity of postclassic tarascan urban sites
- 10:45 Rodrigo Solinis-Casparius and Florencia Pezzutti—Roads and social space. Exploring intra-site accessibility using LiDAR data from Angamuco, Michoacán.
- 11:00 Catherine Liot, Susana Ramirez, Javier Reveles and Cinthya Cardenas—Intrusive settlement and cultural assimilation processes in the Sayula basin (Western Mexico) & during the Early Postclassic
- 11:15 Ben Nelson—Discussant
- 11:30 Prudence Rice—Discussant

**[22] SYMPOSIUM ■ CONTRASTING PATTERNS OF COLLECTING, TREATMENT AND USE OF STEMS AND FIBER FOR CRAFTS IN HUNTER-GATHERER VERSUS HORTICULTURAL AND AGROPASTORAL GROUPS**

**Room:** 18D (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chairs:** Patricia Anderson and Carole Cheval

**Participants:**

- 8:00 Catherine Fowler—Discussant
- 8:15 Richard Fullagar, Lynley Wallis and Heidi Pitman—Aboriginal grinding grounds, stone tools and other archaeological evidence for fibre processing in Australia
- 8:30 Linda Hurcombe—Tended and untended resources, facilities, and technologies for plant and animal fibres
- 8:45 Russell Greaves and Karen Kramer—String figures and dominant cords: tying ethnoarchaeological views of the crucial roles of hunter-gatherer fiber use together to explore patterns of technological organization and economy
- 9:00 Raquel Pique, Susagna Romero, Antoni Palomo, Josep Tarrús and Xavier Ter radas—The production and use of ropes in the Early Neolithic site of La Draga (Banyoles, Spain)
- 9:15 Annelou Van Gijn and Aimée Little—Plant microwear traces on flint and bone tools from Dutch wetland sites: comparing Late Mesolithic and Neolithic plant use
- 9:30 Philippa Ryan—Perspectives on Near Eastern Neolithic basketry from the phytolith traces at Çatalhöyük (Central Anatolia)
- 9:45 Willeke Wendrich—Circular baskets, circular reasoning: the interpretation of basketry lined storage pits in the Egyptian Neolithic
- 10:00 Brian Boyd—Making Containers Visible in the Prehistoric Levant
- 10:15 Patricia Anderson and Mondher M'Hamdi—Fiber Use In Northern and Central Tunisia By Sedentary and Semi-Nomadic Populations
- 10:30 Carole Cheval—Identifying Treatment of Fibers by Analysis of Bone and Wood Tools used in Textile Production: the Neolithic sword beater
- 10:45 Paula Doumani and Robert Spengler III—Textiles as an Early Silk Road Commodity: Mobile Pastoralists in Central Asia
- 11:00 Elizabeth Horton—Weaving from Forests: Fiber Use and Fabric Production in the Ozark Plateau, Southeastern United States

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Thursday Morning, April 24

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- 11:15 Melinda Leach—Farmers and Foragers in the Desert West: Twined Textile Industry Across 10,000 Years  
11:30 Questions and Answers  
11:45 Linda Hurcombe—Discussant

**[23] SYMPOSIUM ■ GIVING LATITUDE TO ALTITUDE (AND VICE-VERSA): THE ARCHAEOECOLOGY OF HUMAN SETTLEMENT IN EXTREME ENVIRONMENTAL SETTINGS**

**Room:** 19B (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chairs:** Christopher Morgan and Loukas Barton

**Participants:**

- 8:00 Craig Lee, Halcyon LaPoint and Michael Bergstrom—Rocky Mountain Ice Patches as a Rich Source of Archaeological and Paleoenvironmental Data  
8:15 Christopher Johnston, Jason LaBelle and Todd Surrovell—Picks, Shovels, and Computers: Data Mining the Alpine Archaeological Record of the Colorado Rocky Mountains, USA  
8:30 Ashley Losey—Risk and Climate at High Altitude, a Z-score Model Case Study from Wyoming's Wind River Range  
8:45 Christopher Morgan, Ashley Losey and Lukas Trout—Punctuated Occupational Trajectories at Altitude in Western Wyoming  
9:00 Elizabeth Scharf and David Rhode—Packing for the Trip: Plant Remains from High Elevation Sites in the Great Basin  
9:15 Jose Capriles, Calogero Santoro, Daniela Osorio, Eugenia Gayó and Francisco Rothhammer—Late Pleistocene Highland Foraging in the South Central Andes  
9:30 Gustavo Neme, Adolfo Gil, Miguel Giardina and Clara Otaola—The Use of High-Altitude Environments in the Southern Andes  
9:45 Camilla Kelsoe, Julia Clark and Loukas Barton—The Logic of Ceramic Technology in Marginal Environments: Implications for Mobile Life  
10:00 Jade D'Alpoim Guedes and Ethan Butler—Ecological Niche Modeling and the Spread of Agriculture to the Tibetan Plateau  
10:15 Kelly Graf—Early Modern Human Expansion North to Siberia and Beringia  
10:30 Andrew Tremayne—An Ideal Free Distribution Model for Hunters in Northern Alaska: Implications for Arctic Small Tool Tradition Coastal Settlement  
10:45 John Blong—Human Adaptation to High-Latitude Upland Landscapes in the Central Alaska Range  
11:00 Ben Potter—Technological and Economic Organization in Central Alaska: New Data from Mead and Upward Sun River  
11:15 David Thomas—Discussant  
11:30 Mark Aldenderfer—Discussant  
11:45 Robert Bettinger—Discussant

**[24] SYMPOSIUM ■ THE CRAMER ENDOWMENTS, PRIVATE FUNDING, AND THE SEARCH FOR THE FIRST AMERICANS: A SESSION IN MEMORY OF JOSEPH L. CRAMER**

**Room:** 9C (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chairs:** Rolfe Mandel and Loren Davis

**Participants:**

- 8:00 David Meltzer—The last time this happened: the 1930s Carnegie program of funding Paleoindian research  
8:15 Brian Andrews—Folsom in the Mountains: Over a Decade of QUEST Research

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Thursday Morning, April 24

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- in the Upper Gunnison Basin, Colorado  
8:30 Jason LaBelle—The Slim Arrow site, a late Paleoindian bison kill in the dune fields of Yuma County, Colorado  
8:45 Vance Holliday, Bruce Huckell and Jesse Ballenger—Clovis, Folsom, And Climate: The Argonaut Archaeological Research Fund  
9:00 Robert Dello-Russo and Vance Holliday—Paleoindians in Socorro County: How the Cramer's helped facilitate 10 years of research collaboration in west-central New Mexico  
9:15 Guadalupe Sanchez Miranda and Vance Holliday—Late Pleistocene Landscapes and the Clovis Occupation of Sonora, Mexico after ten years of Systematic Investigations  
9:30 Geoffrey Smith—The Great Basin Paleoindian Research Unit and the Ongoing Search for the First Americans  
9:45 Teresa Wriston and Geoffrey M. Smith—The “Old Dirt” and Paleoindians of Warner Valley, Oregon  
10:00 Ted Goebel—A Sundance Retrospective--Of Students, Shelters, and Sponsored Research in the Great Basin,  
10:15 Michael Waters—The North Star Archaeological Research Program 2002-2014  
10:30 Thomas Jennings and Michael Waters—Paleoindians in Central Texas: Research at the Debra L. Friedkin and Hogeye Sites  
10:45 Loren Davis—Research Progress at the Cooper's Ferry Site, Idaho  
11:00 Erin Dempsey and Rolfe Mandel—Use of Geoscientific Methods in the Search for Evidence of the First Americans in the Great Plains and Midwest: Lessons Learned Through the Odyssey Geoarchaeological Research Program  
11:15 Jack Hofman and Rolfe Mandel—In Pursuit of the First People on the Central Plains  
11:30 Christopher Hill—The Montana Experiment: A Geoevolutionary Model for Exploration and Discovery  
11:45 Leslie Davis—Discussant

**[25] SYMPOSIUM ■ CULTURAL MEANINGS OF HEAD TREATMENTS IN MESO AMERICAN AND ANDEAN SOCIETIES**

**Room:** 8C (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chairs:** Vera Tiesler and María Lozada

**Participants:**

- 8:00 Luis Alvarado Viñas, Linda R. Manzanilla Naim, Rocío Berenice Jiménez González and Abril Ivonne Gutiérrez Pérez—Identity in a Multietnic Neighborhood Center of Teotihuacan: Cephalic Modification, Headdresses, and Facial Paint  
8:15 William Duncan—What essences were ritually sealed through Maya cranial modification?  
8:30 Vera Tiesler and Alfonso Lacadena—Cultural head forms and shifting group identity among the Western Maya during the Classic period  
8:45 Laura Filloy—Idiosyncratic and individualizing traits used by Mayan artist to punctually qualify the portrait (facial and head treatment) of the ruler during the reign of K'inich Janaab' Pakal of Palenque (A.D. 615–683).  
9:00 Virginia Miller—The Representation of Hair in the Art of Chichén Itzá  
9:15 Carmen Pijoan and Josefina Mansilla—Human Cranial Masks from Central Mexico: Techniques and Usage  
9:30 Ximena Chávez Balderas—Images of death: symbolism, use and reuse of human skulls at the Templo Mayor of Tenochtitlan

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**Thursday Morning, April 24**

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- 9:45 John Verano—Afterlives of the decapitated in Pre-Hispanic Peru  
 10:00 Rex Haydon, Maria Lozada, Augusto Cardona, Hans Barnard and Alanna Warner—Prepared to be remembered: Trophy Head Production and Meaning among the Pre-Hispanic Ramadas of Southern Peru.
- 10:15 Deborah Blom and Nicole Couture—Tiwanaku's Talking Heads: Unpacking the Meaning of Human Heads through Bioarchaeological and Archaeological Data
- 10:30 Zoila Yépez Vasquez—La semántica de la imagen bilobulada en la cabeza en el antiguo hombre costeño del área central andina (Perú). ¿Una relación con el culto lunar?
- 10:45 Bruce Mannheim and Alison R. Davis—Cranial modification in the Central Andes: Person, language, political economy
- 11:00 Mario Millones—Facial Expression Among The Moche
- 11:15 Mary Weismantel—Heads as Artifacts
- 11:30 Gabrielle Vail—Discussant
- 11:45 Jane Buikstra—Discussant

- [26] SYMPOSIUM ■ LEVALLOIS TECHNOLOGY: ORIGINS AND SIGNIFICANCE**  
**Room:** 15 (ACC)  
**Time:** 8:00 AM - 12:00 PM  
**Chairs:** Stephen Lycett and Metin Eren

**Participants:**

- 8:00 Stephen Lycett—Levallois: looking back with forward planning  
 8:15 Gonen Sharon—Levallois in Acheulian Giant Cores?  
 8:30 Philip Van Peer—What is Levallois?  
 8:45 Fernando Diez-Martín—Anticipating the levallois concept? Revisiting the bifacial hierarchical centripetal exploitation model in the African Early Acheulean  
 9:00 Jeffrey Rose and Anthony Marks—The origin of the Emiran and implications for modern human dispersal into the Levant  
 9:15 Alison Brooks, Richard Potts and John Yellen—Early Levallois Technology and its Implications: New Data from Olorgesailie, Kenya  
 9:30 Christian Tryon and Nick Blegen—Levallois origins and variability in Africa  
 9:45 Yonatan Sahle, David Braun, Katja Douze and Judith Sealy—Technological Behavior in the Middle Stone Age of the Gademotta Fm., Ethiopia: Insights from the Levallois method  
 10:00 Gilliane Monnier—Is there a 'real' Levallois?  
 10:15 Metin Eren and Stephen Lycett—A comparison of edge angle variability in experimental "preferential" Levallois flakes versus debitage flakes  
 10:30 Kathryn Ranhorn, David Braun and Alison Brooks—What is Levallois? Re-evaluating criteria for identifying Levallois cores using photogrammetry  
 10:45 Michael Chazan—Levallois without Levallois: Late Lower Paleolithic hhFlake Industries in the Levant  
 11:00 Thomas Wynn—The cognitive implications of Levallois  
 11:15 Marie-hélène Moncel—Emergence of Levallois core technology in Southern Europe.  
 11:30 John Shea—Discussant  
 11:45 Questions and Answers

- [27] SYMPOSIUM ■ ANDEAN PLAZAS: MATERIALITY, PERFORMANCE, AND SOCIETY**  
**Room:** 10C (ACC)  
**Time:** 8:00 AM - 12:00 PM  
**Chairs:** Axel Nielsen and Go Matsumoto

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Thursday Morning, April 24

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**Participants:**

- 8:00 Go Matsumoto—Creation of political subjectivity in the Middle Sicán Great Plaza  
 8:15 John Rick—Evidence for the Role of Plazas at Chavín de Huantar, Peru  
 8:30 David Chicoine, Hugo Ikehara, Koichiro Shibata and Matthew Helmer—Plazas: Contexts of Performance and Sociopolitical Integration in Coastal Ancash during the Formative Period  
 8:45 Christine Hastorf—The actions and meanings of open and hidden performances at Formative Chiripa  
 9:00 Leonor Adán, Simón Urbina and Mauricio Uribe—El espacio público en aldeas formativas tarapaqueñas (Norte de Chile)  
 9:15 Joan Gero—Yutopian's Plaza  
 9:30 Jorge Gamboa Velasquez—The enclosed public space. Moche plazas as places of social encounter  
 9:45 Christina Conlee—The Dynamics of Public Space in Ancient Nasca  
 10:00 Kevin Vaughn, Verity Whalen and Hendrik Van Gijseghem—Plazas and Pilgrimage in the Upper Ica Valley  
 10:15 Alexei Vranich—Plazas in the High Andes  
 10:30 Paul Goldstein and Matthew Sitek—Liminal Plazas and processional paths in Tiwanaku temples: Divergence, convergence and the rule of three at Omo M10  
 10:45 Katharina Schreiber—Public Spaces in the Wari Empire  
 11:00 Axel Nielsen—The Destruction of South Andean Plazas at the Time of Inca Expansion  
 11:15 Colin McEwan—The Liquid Plaza: Haucaypata, Cuzco  
 11:30 Takeshi Inomata—Discussant  
 11:45 Izumi Shimada--Discussant

**[28] SYMPOSIUM ■ THEORETICAL APPROACHES TO ANALYSIS AND INTERPRETATION OF COMMINGLED HUMAN REMAINS****Room:** 17B (ACC)**Time:** 8:00 AM - 12:00 PM**Chair:** Anna Osterholtz**Participants:**

- 8:00 Scott Haddow, Joshua Sadvari, Christopher Knüsel and Rémi Hadad—Past Practices and Current Interpretations: A Case Analysis of Commingled Skeletal Remains at Neolithic Çatalhöyük  
 8:15 Jess Beck—Age, Identity and Burial in Copper Age Iberia  
 8:30 Cheryl Anderson and Kathryn Baustian—Linking Health and Marriage Practices among Commingle Assemblages: A Case Study from Bronze Age Tell Abraq, UAE  
 8:45 Katina Lillios—Practice, Process, and Social Change in Third Millennium BC Europe: The Role of Collective and Commingle Burials  
 9:00 Kathryn Marklein and Sherry Fox—A family affair? Contextualizing biological relatedness within Roman period mass graves at Oymaağaç-Nerik, Turkey  
 9:15 Olivia Jones—Piles of Bones: Materiality as an Aid to Assess Meaning from Commingle Confusion  
 9:30 Katherine Welch, Linda Taylor, Monica Faraldo and Mihai Constantinescu—Social and Biological Variables in a Case Study of Commingle Remains  
 9:45 Lori Epstein and Marla Toyne—When space is limited: a spatial exploration of Chachapoya mortuary and ritual landscape  
 10:00 Haagen Klaus—The Social Bioarchaeology of Commingle Remains: Theoretical, Methodological, and Interpretive Approaches from Colonial Peru

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Thursday Morning, April 24

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- 10:15 Anna Osterholtz—Patterned Processing as Performative Violence at Sacred Ridge  
10:30 Maria Panakhyo—Creating a Better Understanding of Prehistoric Peoples through Reanalysis of Collections of Cmingled Human Remains  
10:45 Tara Jenkins—Contexts, needs and social messaging: “In Situating” Iroquoian human bone objects  
11:00 Laura Lockau and Megan Brickley—Bioarchaeological examination of commingled human remains from the War of 1812: perimortem trauma in the Smith’s Knoll sample from southern Ontario, Canada  
11:15 Peter Killoran and David Pollack—Social Invisibility, Beatification of Death: Investigations of Large Unmarked Early to Mid-Nineteenth Century Cemeteries in Central Kentucky Urban Contexts.  
11:30 Debra Martin—Discussant  
11:45 Tiffiny Tung—Discussant

- [29] **SYMPORIUM ■ RESILIENCE, COLLAPSE AND SURVIVAL IN INTERESTING TIMES: VIKING AGE TO MEDIEVAL TRANSITIONS IN THE NORSE NORTH ATLANTIC CA. 1250-1450CE**  
**Room:** 16A (ACC)  
**Time:** 8:00 AM - 12:00 PM  
**Chair:** Konrad Smiarowski

**Participants:**

- 8:00 Scott Ingram, Richard Streeter, Laura Comeau and Andrew Dugmore—Climate Extremes for Archaeologists  
8:15 Seth Brewington, Richard Streeter, Anthony Newton, Andrew Dugmore and Thomas McGovern—Climate Change, Resilience, and the Shifting Patterns of Ecological Stress in Icelandic Landscapes  
8:30 Megan Hicks—Skútustaðir: Considering an Icelandic Farm Across Scales  
8:45 Frank Feeley—Medieval Fishing at Gufuskálar, Snæfellsnes, Iceland  
9:00 Magdalena Schmid—The Impact of Volcanic Events on the Landnám: Did Eldgjá 938±4 AD Stop the Colonization of Iceland?  
9:15 Ramona Harrison—Scales of Resilience and Exchange in Medieval Iceland: Sustainable Transition from Small Scale Subsistence Economy to Proto-World System Participation  
9:30 Jim Woollett, Céline Dupont-Hébert, Guðrún Alda Gísladóttir , Uggí Ævarsson and Natasha Roy—A Boom and then a Bust in a Northern Icelandic Community: The Svalbarð Estate Circa 1200 to 1477 AD.  
9:45 Questions and Answers  
10:00 Aaron Kendall—Early Medieval Exchange and Communication Networks in Iceland and Greenland  
10:15 Poul Heide—Tying Precious Knots: The Resilience of Communication Systems in the North Atlantic Landscapes During the Transatlantic Migration in the Viking and Middle Ages  
10:30 Christian Madsen and Jette Arneborg—The Farms of Hunters in Norse Greenland  
10:45 Ian Simpson, Konrad Smiarowski, Christian Madsen and Michael Nielsen—Norse Greenland Homefields as Narratives of Resilience, Collapse and Survival.  
11:00 Konrad Smiarowski—Sustainable? How Long? The Survival and Collapse of a Resilient Norse Society in Medieval Greenland  
11:15 Richard Oram—With Their Backs to the Ocean: Socio-economic and Cultural Reconfiguration in Hebridean Scotland c 1250 to c 1450  
11:30 Thomas McGovern—Discussant  
11:45 Richard Oram—Discussant

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Thursday Morning, April 24

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**[30] SYMPOSIUM ■ RESEARCH, PRESERVATION, COMMUNICATION:  
HONORING THOMAS J. GREEN ON HIS RETIREMENT FROM THE  
ARKANSAS ARCHEOLOGICAL SURVEY**

**Room:** 18B (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chair:** Mary Beth Trubitt

**Participants:**

- 8:00 Larry Zimmerman—Repatriating Buhl Woman, Keeping Our Word, and Making NAGPRA Work
- 8:15 Juliet Morrow—Evidence for Spirituality during and after the Clovis Diaspora
- 8:30 Meeks Etchieson, Richard E. Hughes and Anne S. Dowd—Lithic Raw Material Choices
- 8:45 James Woods, Alejandro Pastrana, John Clark and Silvia Dominguez—Obsidian Sequin Manufacture at La Sierra de las Navajas, Pachuca, Mexico
- 9:00 Kenneth Ames—The Social Lives of Projectile Points: Inter and Intrahousehold Variation in Projectile Point Forms in Lower Columbia River Plankhouses
- 9:15 David Jeane, Frank Schambach and Jami Lockhart—The "Cookhouse" at the Tom Jones site (3HE40)
- 9:30 Mary Beth Trubitt, Timothy K. Perttula and Robert Z. Selden, Jr.—Identifying Ceramic Exchange and Interaction between Cahokia and the Caddo Area
- 9:45 Robert Cast and Trevor Ware—Consultations Past and Future: A Legacy of Consultation between the Caddo Nation of Oklahoma and the Arkansas Archeological Survey
- 10:00 Jami Lockhart—More Than Just Remotely Interested: Dr. Tom Green and AAS Geophysics
- 10:15 Claudine Payne and Michelle Rathgaber—The Arkansas Archeological Survey Model of Archaeological Practice: A Case Study
- 10:30 Jay Johnson and Bryan Haley—A River Runs through It: Reassessing Floodplain Adaptation in the Northern Yazoo Basin
- 10:45 Gayle Fritz, Kelsey Nordine and Jocelyn Turner—"In Short, They Gave Us What They Had" (Henri Joutel, 1687): Plant Remains from the Wallace Bottom Site, Southeast Arkansas
- 11:00 Jamie Brandon and Carl Drexler—Regnat Populus: The Intersection of Historical Archeology Research and Public Service in Arkansas
- 11:15 Jodi Barnes—Remembering Camp Monticello: Archaeology of a World War II Italian Prisoner of War Camp
- 11:30 George Sabo—Discussant
- 11:45 Francis McManamon—Discussant

**[31] SYMPOSIUM ■ "PRECLASSIC MAYA CIVILIZATION IS NO LONGER A CONTRADICTION IN TERMS": A SESSION IN HONOR OF NORMAN HAMMOND ON THE LAST FORTY YEARS OF PRECLASSIC MAYA RESEARCH (PART 1)**

**Room:** Ballroom E (ACC)

**Time:** 8:15 AM - 11:30 AM

**Chair:** Astrid Runggaldier

**Participants:**

- 8:15 Harry Shafer and Thomas Hester—Colha in Retrospective: Maya Lithic Craft Specialization

**Thursday Morning, April 24**

- 8:30 Palma Buttles and Fred Valdez—An Archaeological Snapshot in Time and Space: Colha and the Preclassic Communities of Northern Belize  
8:45 Maia Dedrick and Patricia McAnany—The Distributed Household: A Study of Plant and Mollusk Data from K'axob, Belize  
9:00 Jeremy Bauer and Laura Kosakowsky—Charting the Ancient Maya of Northern Belize: Materiality, Place, Identity and the Legacy of Norman Hammond  
9:15 Frank Saul and Julie Saul—Cuello's Preclassic Burials: A Unique Life History of a People as Written in Their Bones  
9:30 M. Kathryn Brown—Preclassic Investigations at Xunantunich, Belize  
9:45 James Garber and Kathryn Brown—Preclassic Architecture and Ritual at the site of Blackman Eddy, Belize  
10:00 Jaime Awe—Of Apples and Oranges: A Comparison of the Early Middle Preclassic Maya of the Belize River Valley and Their Contemporaries in Northern Belize  
10:15 David S. Anderson—The Role of E-Group Architecture in the Development of Maya Astronomical Knowledge  
10:30 William Ringle, George Bey and Tomas Gallareta Negron—The Genesis of Social Complexity in the Puuc Hills of Northern Yucatan, Mexico  
10:45 Jonathan Pagliaro, Travis Stanton and Donald Slater—Is There an Ek Complex in Central Yucatan? Evaluating Early Ceramics from Yaxuna and Aktun Kuruxtun  
11:00 Erick Rochette—"Of Very Great Value, and Held in the Greatest Esteem": Norman Hammond's Contributions to Preclassic Jade Research  
11:15 Questions and Answers

**[32] SYMPOSIUM ■ NEW INVESTIGATIONS AT THE HARRIS SITE, MIMBRES VALLEY, NEW MEXICO****Room:** Ballroom B (ACC)**Time:** 8:15 AM - 11:45 AM**Chair:** Barbara Roth**Participants:**

- 8:15 Barbara Roth—Overview of Current Research at the Harris Site, Mimbres River Valley, New Mexico  
8:30 Ashley Lauzon and Barbara Roth—From Architecture to Households: Pithouse Excavations at the Harris Site  
8:45 Richard Reynolds, Barbara Roth, Darrell Creel and Roger Anyon—Communal Structures and Village Integration at the Harris Site  
9:00 Robert Stokes—The Cosmopolitan Mogollon Pithouse World: A Reevaluation of the Harris Site Painted Wares  
9:15 Danielle Romero—Corrugated Wares and Their Potential Use as Identity Markers at the Harris Site  
9:30 Lauren Falvey—Written in Stone: Assessing Household Activities at the Harris Site using Ground Stone Technology  
9:45 Justin DeMaio—Investigating Lithic Learning Frameworks at the Harris Site  
10:00 Michael Diehl—Paleoethnobotany of the Harris Village  
10:15 Doss Powell—Subsistence and Social Change During the Late Pithouse Period at The Harris Site  
10:30 Arthur Vokes and Erika Heacock—Pithouse Period Shell Games: The shell assemblage from the Harris Site  
10:45 Kathryn Baustian and Barbara Roth—Bioarchaeological Contributions to Late Pithouse Period Mimbres Studies: Data from the Harris Site

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Thursday Morning, April 24

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- 11:00 Denise Ruzicka—Architecture, Alignments, and Astronomy at the Harris Site in the Mimbres Valley  
11:15 Aaron Woods—Abandonment, Relocation, and Reorganization: The Harris Site in the Late AD 900s  
11:30 Jefferson Reid—Discussant

**[33] SYMPOSIUM ■ LIGHTING DARK PASSAGES PART 1: CELEBRATING THIRTY YEARS OF JAMES E. BRADY'S CONTRIBUTIONS TO CAVE ARCHAEOLOGY**

**Room:** 12AB (ACC)  
**Time:** 8:15 AM - 11:45 AM  
**Chair:** Ann Scott

**Participants:**

- 8:15 Ann Scott—A Historical Retrospective of Mesoamerican Cave Archeology: Celebrating James Brady's Contributions to the Field  
8:30 Fred Valdez and Palma Buttles—From Pink Polychrome to Underground Chambers: A Journey of Scholarship?  
8:45 Allan Cobb—The Development of a Distinctive Cave Methodology: A Retrospective Appraisal of the Petexbatún Regional Cave Survey  
9:00 Dominique Rissolo, Fabio Esteban Amador, Bil Phillips and Robert Schmittner—Visualizing Cave Architecture Along the Central Coast of Quintana Roo, Mexico  
9:15 Shankari Patel—Pioneer and Pilgrim: James Brady and the Archaeologies of Space, Place, and Landscape  
9:30 Christophe Helmke—Speleothem Monuments at Yaxchilan, Mexico  
9:45 Jesper Nielsen and Toke Reunert—The View from Chalcatzingo: Studying Mesoamerican Iconography in Natural Settings  
10:00 Rebecca Sload—The Cave Under the Sun Pyramid at Teotihuacan as a Chicomoztoc  
10:15 C. L. Kieffer—Tombs, Burials, Cemeteries, and Sacrifice: A Historical Perspective on the Changing Interpretations of Human Remains in the Karstic Maya Landscape  
10:30 Guillermo De Anda Alaniz and Jeremy Coltman—Black Hole Places: Cenotes Symbolism in Maya Landscape  
10:45 Melanie Saldana—Mesoamerican Cave Archaeology at Cal State L.A.: A History  
11:00 Keith Prufer—Discussant  
11:15 James Brady—Discussant  
11:30 Questions and Answers

**[34] SYMPOSIUM ■ ARCHAEOLOGICAL STUDIES IN SETTLEMENT ECOLOGY: RECENT ADVANCES FROM THE AMERICAS**

**Room:** 11AB (ACC)  
**Time:** 9:15 AM - 12:00 PM  
**Chair:** Lucas Kellett

**Participants:**

- 9:15 Sean Dunham—An Analysis of Late Woodland Archaeological Site Locations in the Eastern Upper Peninsula of Michigan  
9:30 Eric Jones—Multiscalar Settlement Ecology Study of Late Pre-Contact Piedmont Village Tradition Communities in North Carolina  
9:45 Stefan Brannan and Jennifer Birch—Historical Settlement Ecology at Singer-Moye: Mississippian Dynamics in the Deep South  
10:00 Michelle Elliott—Climate, Ecology, and Social Change in Prehispanic

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Thursday Morning, April 24

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Northwestern Mesoamerica

- 10:15 Eva Lemonnier—"Garden Cities" in the Classic Maya Lowlands? Settlement and Land Use Patterns at La Joyanca (Guatemala) and Río Bec (Mexico)
- 10:30 Questions and Answers
- 10:45 Roberto Herrera—Current Efforts at Defining Isthmo-Colombian Settlement Ecology
- 11:00 Lucas Kellett—Chanka Settlement Ecology: Disentangling Settlement Decision Making Processes During a Time of Risk in the Andean Highlands
- 11:15 Benjamin Vining—Agent-Based Geo-Spatial Approaches to Understanding Prehispanic Pastoralist Ecology in the South-Central Peruvian Andes
- 11:30 Steven Wernke—Discussant
- 11:45 Jeffrey Parsons—Discussant

**[35] SYMPOSIUM ■ CURRENT MULTI-SCALAR RESEARCH IN SOUTH ASIAN ARCHAEOLOGY**

**Room:** 18C (ACC)

**Time:** 9:30 AM - 12:00 PM

**Chairs:** Mary Davis and Savitha Gokulraman

**Participants:**

- 9:30 Savitha Gokulraman—Megalithic Symbolic Burials: A Regional Perspective from Tamilnadu, Southern India
- 9:45 Uthara Suvrathan—The Kadambas and Banavasi: Perspectives from Archaeology and Epigraphy
- 10:00 Praveena Gullapalli and Shini Anna Abraham—Investigating the Production Landscapes of Southern Andhra Pradesh
- 10:15 Kathleen Morrison—Discussant
- 10:30 Heather O'Connor—Sourcing Marine Shell in the Indian Ocean: Exploratory ICP-OES Analysis of Conus and Cypraea
- 10:45 Katie Lindstrom—Patterns of Elite Harappan Pottery in the Indus Civilization Borderlands of Gujarat
- 11:00 Mary Davis—Stone Blades in the Neighborhoods of Harappa, Pakistan
- 11:15 Rita Wright—Enigmatic Polities and the Indus Civilization
- 11:30 Teresa Raczek—Discussant
- 11:45 Questions and Answers

**[36] SYMPOSIUM ■ PLACE AND SPACE IN A DIGITAL LANDSCAPE: NEW PERSPECTIVES ON ANALYZING AND SHARING GEOSPATIAL DATA IN ARCHAEOLOGY**

**Room:** 13AB (ACC)

**Time:** 9:45 AM - 12:00 PM

**Chairs:** Katy Meyers and Rebecca Seifried

**Participants:**

- 9:45 Holly Wright, Paul Cripps, Gerald Hiebel and Keith May—Finding the context: A European perspective on representing and interpreting spatial data from archaeological fieldwork as Linked Open Data
- 10:00 Andrew Bevan and Daniel Pett—Spatial sovereignties, archaeological access and the big data landscape
- 10:15 Fotini Kondyli—Beyond the Map: Exploring Socio-economic Networks on a Byzantine Island
- 10:30 Katy Meyers—Linking the Spaces of Resting Places: GIS, Anglo-Saxon Archaeology and Linked Open Data

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Thursday Morning, April 24

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- 10:45 Christopher Stawski—Landscape, Community, and Human-Environment Relationships in the Lake Pátzcuaro Basin, Michoacán, Mexico: Geospatial Analysis and the Late Postclassic Tarascan Empire
- 11:00 Michelle Wienhold and David R. Robinson—Open Geospatial Data: Discussions and Solutions for Publishing Sensitive Rock Art Data Online
- 11:15 Joshua Wells, Eric Kansa, Sarah Kansa, Stephen Yerka and David Anderson—Public Data for Public Archaeology: Developing Linked Open Data, Open-Source GIS, and Sensitive Data Standards for the Digital Index of North American Archaeology Project
- 11:30 Jackson Cothren and Jesse Casana—The CORONA Atlas Project: Orthorectification of Declassified Satellite Imagery and Regional-Scale Archaeological Prospection
- 11:45 Eric Kansa—Discussant

**[37] SYMPOSIUM ■ BORDERS AND BOUNDARIES IN ANCIENT MESOAMERICA**  
Room: 9B (ACC)

Time: 9:45 AM - 12:00 PM

Chairs: Andrew Turner and Eric Heller

**Participants:**

- 9:45 Jennifer Faux—Fingerprinting the Past: A Dermatoglyphic Evaluation of Figurine and Candelero Production at Teotihuacan, Mexico
- 10:00 Wesley Stoner—Political Boundary Dynamics in the Tuxtla Mountains, Veracruz, Mexico
- 10:15 Brett Houk—Patterns of Force: Deciphering the Geopolitical Landscape of the Eastern Maya Lowlands
- 10:30 Eric Heller—A Practice of Polity: Demarcating Ideational Boundaries in the Classic Period Maya Lowlands
- 10:45 Andrew Turner—East Meets West: Borders and Boundaries in Central Mexico After the Collapse of Teotihuacan
- 11:00 Elizabeth Paris and Roberto López Bravo—Kings of the Hills: Borders and Boundaries of Early Postclassic Polities in Highland Chiapas
- 11:15 Cynthia Kristan-Graham—The Frame and the Fold: Spatiality in the Group of the Thousand Columns, Chichén Itzá
- 11:30 Jeremy Colton—Chaos and Cosmos: Ceremonial Circuits and Ethnomedicine in the Art and Ritual of Mesoamerica and the American Southwest
- 11:45 Danny Zborover—Written in the Land: The Archaeology of Indigenous Territorial-Narratives and the Formation of Oaxacan Sociopolitical Boundaries

**[38] GENERAL SESSION ■ THE ANDEAN WORLD FROM THE FORMATIVE THROUGH THE LATE**

Room: 10A (ACC)

Time: 9:45 AM - 12:00 PM

Chair: Allen Rutherford

**Participants:**

- 9:45 Christian Mesia—Convincing the Local and the Foreign: Political Strategies at Chavín de Huántar
- 10:00 Katharine Davis—House for the Living, Home for the Dead: Mortuary Activity in the Muru Ut Pata Area, Tiwanaku
- 10:15 Claudine Vallières—The role of camelids in Tiwanaku society: human-animal relationships within the private and public spheres of an Andean urban center

Thursday Morning, April 24

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- 10:30 Amy Groleau—Conchopata's Ceramic "Trophy" Heads: Breaking and Curating Anthropomorphic Vessels in A Wari City
- 10:45 Michael Malpass—Sonay: A Reassessment of its Age and Implications for Coastal Wari Sites
- 11:00 Joseph Cronin, Augusto Cardona Rosas, Mark Golitko, Patrick Ryan Williams and Maria Cecilia Lozada—Obsidian and Wari Expansion: a View from the Vitor Valley of Southern Peru
- 11:15 Bebel Ibarra Asencios—Funeral Traditions in the Peruvian North Highlands during the Late Intermediate Period (AD 1000 – 1500): Perspectives from the Marcajirca Site, Huari, Ancash
- 11:30 Kasia Szremski—Tactical Power, Interaction, and Landscape Control during the Late Intermediate Period (1100-1470 CE) in the Huanangue Valley, Peru
- 11:45 Allen Rutherford—Maintaining Community in a Sociopolitical Frontier: Recent Data from Cerro Colorado de Huacho, Huaura Valley, Peru

**[39] FORUM ■ ISSUES AND DIRECTIONS IN PHYTOLITH ANALYSIS**

**Room:** 8B (ACC)

**Time:** 10:00 AM - 12:00 PM

**Moderator:** Thomas Hart

**Participants:**

Deborah Pearsall—Discussant

Rosa-Maria Albert—Discussant

Jose Iriarte—Discussant

Philippa Ryan—Discussant

Linda Scott Cummings—Discussant

Luc Vrydaghs—Discussant

**[40] SYMPOSIUM ■ SUBSISTENCE AND LANDSCAPE CHANGE IN SUB-SAHARAN AFRICA**

(Sponsored by Society of Africanist Archaeologists)

**Room:** 17A (ACC)

**Time:** 10:00 AM - 12:00 PM

**Chair:** Anneke Janzen

**Participants:**

10:00 Anneke Janzen and Marie Balasse—Moving Herds: Ancient Pastoral Mobility in Kenya Assessed Through Stable Isotope Analysis

10:15 Emily Zimmerman and Stanley Ambrose—Late Pleistocene and Holocene Environmental Reconstruction with micromammals from Ol Tepesi Rockshelter, Central Rift Valley, Kenya

10:30 Annemari Antonites—Animal Exploitation in the Limpopo Valley, South Africa

10:45 Kristina Douglass—Human-Ratite Interaction in Antsaraknasoa, Southwest Madagascar

11:00 Ryan Szymanski—Detection of Human Landscape Modification Associated with Food Production Using Paleoecological Proxy Evidence

11:15 Christopher Kiatiipes, Karen Lupo, Dave Schmitt and Alfred Jean-Paul Ndanga—Forest, Field, and Fuel: Changing Landscape Use in Iron Age Central Africa

11:30 Emuobosa Orijemie—Late Holocene environmental change and cultural response in south-western Nigeria

11:45 Diane Gifford-Gonzalez—Structured deposition: an idea whose time has come in Africanist archaeology

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Thursday Morning, April 24

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**[41] GENERAL SESSION ■ OLD WORLD EMPIRES****Room:** 8A (ACC)**Time:** 10:15 AM - 12:00 PM**Chair:** Elizabeth Bridges**Participants:**

- 10:15 Virginia Herrmann—Local and Imperial Dynamics in a Residential Neighborhood at Assyrian Sam'al (Zincirli, Turkey)
- 10:30 Peri Johnson, Ömür Harmansah, Ben Marsh and Müge Durusu-Tanrıöver—Mobility and settlement before the lakes and marshes: sediment deposition in the closed basins of the Yalburt Yaylaşı Archaeological Landscape Research Project
- 10:45 Jack Fenner and Dashtseveg TUMEN—Fit for a Khan: Stable Isotope Analysis of Elite Mongolians from the Mongol Empire Period
- 11:00 Eunbyul Ko and June-Jeong Lee—Head and legs for dead people, meat for mourners: Animal sacrifice practice of the Xingnu Tombs at Duurlig Nars in Mongolia
- 11:15 Elizabeth Bridges—Synthesizing Archaeology and Epigraphy: Imperial Vijayanagara through Keladi-Ikkeri Nayaka Inscriptions
- 11:30 Brett Kaufman—Colonialism contextualized: from Punic African Empire to Roman Subjects at the urban mound of Zita, southern Tunisia
- 11:45 Zenobie Garrett—Transitional sites in the post-Roman world: Sites Survey Analysis of the Roman and Early Medieval Periods in the Vézère Valley (Dordogne, France)

**[42] POSTER SESSION ■ PUEBLOAN SOUTHWEST****Room:** Ballroom F (ACC)**Time:** 10:30 AM - 12:30 PM**Participants:**

- 42-a Natalie Hill—Houses of the Holy: A Ceremonial Cave Complex in the Northern Rio Grande
- 42-b William Marquardt—Domestic Violence in the Ancient Puebloan World
- 42-c Scott Gunn—Interpreting Ancestral Puebloan Settlement Patterns and Spatial Discontinuities Through the Use of Archaeological Predictive Modeling: An Example from the Northern Rio Puerco Basin in Northwestern New Mexico
- 42-d Dorothy Larson—Learning, Migration, and Identity in the Albuquerque Area during the Late Developmental to Coalition Transition
- 42-e Abigail Holeman, Adam Watson, Rechanda Lee, Katelyn Bishop and Samantha Fladd—Preliminary Results of Survey and Excavations at a Late Bonito Great House in Chaco Canyon, New Mexico
- 42-f Ashton Satterlee and Andrew Duff—Vessel Size and Feasting in three Chacoan Great House Communities
- 42-g Kristin Safi and Andrew Duff—Reconstructing a Great House: A Case Study from West-Central New Mexico
- 42-h Jacqueline Kocer—Gallina Identity: Examining Projectile Point Style and Raw Material Choices in the Shadow of Chacoan Complexity
- 42-i Laura Ellyson, Amy Hoffman, Christy Winstead and Steve Wolverton—Assessing the Impacts of Pueblo III Resource Depression on Leporid Populations in Southwestern Colorado, AD 1000–1300
- 42-j Jonathan Dombrosky, Lisa Nagaoka and Steve Wolverton—Abundance of Large Game and Source-Sink Dynamics in the Northern Rio Grande and Mesa Verde at A.D. 1300

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**Thursday Morning, April 24**

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- 42-k Christy Winstead and Amy Hoffman—Mesa verde's great drought, faunal remains and great Kivas
- 42-l Amy Hoffman, Christy Winstead, Laura Ellyson and Lisa Nagaoka—Resource Depression within the Ancestral Pueblo Goodman Point Community
- 42-m Winona Patterson, Todd Scarbrough, Kristin Corl and Fumiyasu Arakawa—Mesmerizing, Sacred Place at Tank Mesa Village in Montezuma Canyon, Utah
- 42-n Melanie Medeiros and Jocelyn Bernatchez—Exploring Virgin Anasazi Settlement Patterns and Community Structure in the St. George Basin, Southwestern Utah
- 42-o Kendall McGill—Modern Environmental Datasets and the Reanalysis of Cedar Mesa (Utah) Settlement Patterns
- 42-p Lisa Nagaoka, Feifei Pan and Steve Wolverton—Modeling hydrology and plant growth in dryland agriculture

**[43] POSTER SESSION ■ AMERICAN SOUTHWEST**

**Room: Ballroom F (ACC)**

**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 43-a Danielle Phelps and James T. Watson—Bad Death or Blood Feud? Mortuary Performance and Signaling among Early Farming Communities in the Sonoran Desert
- 43-b Katrina Erickson and William Reitze—Basketmaker Occupation of the Petrified Forest
- 43-c Ian Boyce—Copper Bells in the Southwest: Evaluating the Prestige Goods Model
- 43-d Douglas Craig and Brent Kober—Multi-Household Social Units, Property Rights, and Wealth in Hohokam Society
- 43-e Leslie Aragon, Connie Darby and T. Kathleen Henderson—Canal Junction, What's Your Function? A New Type of Water Control Feature in Hohokam Canals
- 43-f Rebecca Harkness—Track and Shield: Exploring the Connection between Racetracks and Shield Petroglyphs on Perry Mesa
- 43-g Will Russell—Diachronic, Nonlocal Influence at the Mimbres Site of Galaz
- 43-h Sara Gabbert, Danielle M. Romero and Barbara Roth—Ceramic Tools and Other Worked Sherd from the Harris Site, NM
- 43-i Kristin Corl, Angel Pena and Todd Scarbrough—Ritual or War? Burning in the Jornada Mogollon
- 43-j Muhammad Ali Mendoza—Fauna and Identity at Goat Springs Pueblo
- 43-k Timothy De Smet, Suzanne L. Eckert, Deborah L. Huntley, Kathryn J. Putsavage and Daniel R. Welch—Geophysical and Archaeological Investigations of Depressions at Goat Springs Pueblo, New Mexico (LA285)
- 43-l Peter Yaworsky and Jerry Spangler—An Initial Inquiry into Fremont Political Unity through the Use of Spatial Data in Nine Mile Canyon, Utah
- 43-m Laura Short—Raman spectroscopy of earth ovens in south central North America

**[44] POSTER SESSION ■ RECENT RESEARCH OF THE ANIMAS PHASE**

**BORDERLANDS OF THE NORTH AMERICAN SOUTHWEST**

**Room: Ballroom F (ACC)**

**Time:** 10:30 AM - 12:30 PM

**Chairs:** Todd Van Pool, Gordon Rakita and Christine VanPool

**Participants:**

- 44-a Gordon Rakita, Shaza Wester Davis and Elizabeth McCarthy—Scratching

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Thursday Morning, April 24

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- 44-b the Surface: Surface Sampling of the 76 Draw Site, Luna County, New Mexico  
John Topi, Todd VanPool, Christine VanPool and Gordon Rakita—  
Architecture and Archaeology at 76 Draw
- 44-c Andrew Krug, Kyle D. Waller, Christine VanPool and Gordon F.M. Rakita—  
Shell Exchange and Interaction in the New Mexico Borderlands:  
Assemblage Diversity and Network Analysis Approaches
- 44-d Mallary Lieber, Christine Van Pool and Gordon Rakita—Pottery in the  
Northern Ramos Zone: The Ceramic Assemblage from 76 Draw
- 44-e Andrew Fernandez, Nicholas Rakita , Andrew Krug , Brent Willhite and  
Todd VanPool—From Field to Photoshop: Photo Recording, Post  
Production Image Digitization and Lithic Analysis of a Rock Ring Feature from  
76 Draw, New Mexico
- 44-f Brenton Willhite, Richard Kennedy, Todd VanPool, Christine VanPool and  
Gordon Rakita—Stone Tool Production in the Medio Periphery: Analysis of  
Debitage from the 76 Draw Site (LA 156980)
- 44-g Todd Van Pool, Travis Royall, Christine VanPool and Gordon Rakita—  
Medio Period Ceramic Traditions and the Northern Ramos Zone
- 44-h Elizabeth McCarthy, Christine VanPool and Andrew Fernandez—  
A Comparative Study of Turkey Burials in the American Southwest
- 44-i Candace Sall and Christine VanPool—Many Shades of Clay: Casas  
Grandes and Salado Polychrome Pottery at 76 Draw Site, New Mexico

**[45] POSTER SESSION ■ APPROACHES TO UNDERSTANDING DESERT  
PAVEMENT QUARRIES**

(Sponsored by Statistical Research, Inc.)

**Room:** Ballroom F (ACC)

**Time:** 10:30 AM - 12:30 PM

**Chair:** Scott Kremkau

**Participants:**

- 45-a Kenneth Becker, Scott Kremkau, Steven Shelley and Stephen Norris—  
A New Approach to Recording Desert Pavement Quarries
- 45-b Dean Duryea, Scott Kremkau and Kenneth Becker—What's Rocks Got to  
Do with It: Results of a 10,000-acre Survey at Fort Irwin and the National  
Training Center
- 45-c Scott Kremkau, Dean Duryea, Steven Shelley and Mark Sutton—Lithic  
landscapes in the Mojave Desert

**[46] POSTER SESSION ■ THE ANCESTRAL TEWA WORLD: RECENT  
RESEARCH IN NORTHERN NEW MEXICO**

**Room:** Ballroom F (ACC)

**Time:** 10:30 AM - 12:30 PM

**Chair:** Samuel Duwe

**Participants:**

- 46-a Nicole East—Clay Procurement Strategies and Population Coalescence in  
the Ancestral Tewa World, New Mexico
- 46-b Olivia Brewer and Dr. David Hill—Petrographic Evidence for the Dispersed  
Production of Abiquiu Black-on-gray Pottery in North-Central New Mexico
- 46-c Kandy Black—Redefining Tewa Basin Chronology in the Classic Period  
through the Examination of Tewa Biscuit Wares
- 46-d Paul Spence—Lithic Procurement at Tsiping'uinge during the Late Coalition  
Period
- 46-e Laura Steele—Investigating the Dynamic Relationship between People

Thursday Morning, April 24

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- 46-f and Turkey in the Pueblo Southwest: The Case Study of Sapawe'uinge  
Rachel Burger, J. Andrew Darling and B. Sunday Eiselt—New Perspectives  
on Sapawe Flutes and Whistles

**[47] GENERAL SESSION ■ SOUTHERN SOUTHWEST**

**Room:** 14 (ACC)

**Time:** 10:45 AM - 12:00 PM

**Chair:** Michael Searcy

**Participants:**

- 10:45 Marco Martinez and Dolores Davalos—Today's Understanding of Casas Grandes' Architectural Variety  
11:00 Michael Searcy and Todd Pitezel—Using Ethnoarchaeology to Interpret the First Ground Stone Quarry Discovered in the Casas Grandes Region  
11:15 Robert Hard, A. C. MacWilliams and John R. Roney—Settlement Structure in Central and Southern Chihuahua  
11:30 Henry Wallace—The Tempo and Process of Culture Change: Two Tipping Points in Hohokam Prehistory  
11:45 William Graves and Eric Klucas—Communalism, Household, and Power in the Pre-Classic Tucson Basin

**[48] GENERAL SESSION ■ GREAT LAKES**

**Room:** 9A (ACC)

**Time:** 11:00 AM - 12:00 PM

**Chair:** Brian Redmond

**Participants:**

- 11:00 Susan Kooiman—A Multidimensional Approach to Functional Pottery Analysis: A Case Study in the Upper Great Lakes of North America  
11:15 Jeff Chivis—The Identification of Archaeological Social Boundaries in West Michigan and Northwest Indiana: An Integrative Approach  
11:30 Brian Redmond—Hilltop Enclosures and Changing Uses of Ritual-ceremonial Space in Woodland Northern Ohio  
11:45 Rachel McTavish—Upper Mississippian Large Mammal Butchering Practices: A Case Study from Langford Sites in Northern Illinois

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Thursday Afternoon, April 24

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**Thursday Afternoon ■ April 24, 2014**

**[49A] THE ETHICS BOWL**

**Room:** 9B (ACC)

**Time:** 1:00 PM - 3:00 PM

**[49] GENERAL SESSION ■ MAYA HOUSEHOLD AND COMMUNITY**

**Room:** 16B (ACC)

**Time:** 1:00 PM - 2:00 PM

**Chair:** Jason Whitaker

**Participants:**

- 1:00 David Rogoff—Using Meta-Data as a Basis for Analyzing Communities Archaeologically  
1:15 Jason Whitaker—The San Lorenzo Settlement Cluster: An Investigation into Household Economy in the Mopan River Valley of Western Belize  
1:30 Sarah Nicole Boudreaux—Life on the Edge: Models of Maya Community Formation and Development near the Dos Hombres Site Core  
1:45 Robyn Dodge—Hun Tun: Home to Social Complexity in the Hinterland.

**[50] SYMPOSIUM ■ COLLABORATIVE AND COMMUNITY ARCHAEOLOGY**

**Room:** 18D (ACC)

**Time:** 1:00 PM - 2:15 PM

**Chair:** Charles Bello

**Participants:**

- 1:00 Carolyn Dillian—Discussant  
1:15 Howard Higgins—Ethnological and Archaeological Inventory with the Mescalero Apache Tribe of Potential Traditional Cultural Properties in the Permian Basin MOA Area, New Mexico  
1:30 Charles Bello, Alvin J. Windy Boy, Sr. and Robert O'Boyle—Traditional Chippewa-Cree Indian Cultural Education and Awareness Training Program: An Effective Partnership between the Chippewa Cree Tribe of the Rocky Boy Reservation, Montana and the Federal Emergency Management Agency (FEMA)  
1:45 James Herbert, Sean P. Connaughton and Mike Leon—Collaboration and Corporations: An Interalist Dialogue  
2:00 Lauren Herckis—Why We Tell Them We're Divorced: When Local Expectations Clash with our Roles as Researchers

**[51] SYMPOSIUM ■ NEW ADVANCES IN THE SOCIETY AND ENVIRONMENT OF EARLY CHINA**

**Room:** 8C (ACC)

**Time:** 1:00 PM - 2:30 PM

**Chairs:** WengCheong Lam and Zhen Qin

**Participants:**

- 1:00 Yan Cai—Native or Foreigner? ---- The Craft Organization of the Qin-Han Empire  
1:15 Hao Zhao, Tricia Owlett, Li Liu and Ping Ji—Starch Analysis on the Grinding Stones from Sanzuodian Site  
1:30 Zhen Qin—An Exploration of the Process of Agricultural Intensification at Sanyangzhuang Site, Henan Province, China: A Geoarchaeological Approach  
1:45 Michael Storozum—The Middle Kingdom Makes Itself: Archaeology of a Built Environment  
2:00 Sai Ma—Analysis of the Economic Structure of the Zhouyuan Site in the

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Thursday Afternoon, April 24

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- 2:15 Shang and Western Zhou Periods  
WengCheong Lam, Jianrong Cong and Xingshan Lei—Interpreting Workshop Food Supply from Faunal Assemblages and the Production Organization of Iron Industry during the Han Era: An Example from Taicheng Iron Foundry

- [52] GENERAL SESSION ■ ARCHAEOLOGY AND WATER IN MESOAMERICA**  
**Room:** 16A (ACC)  
**Time:** 1:00 PM - 2:30 PM  
**Chair:** Jeffrey Brewer

**Participants:**

- 1:00 William Folan, Raymundo Gonzalez Heredia, María del Rosario Domínguez Carrasco, Beniamino Volta and Lynda Florey Folan—Calakmul, Oxpemul and Coba: Hydraulic Patterning on the Karstic Meso and Northern Plain of the Peninsula of Yucatan, Mexico  
1:15 John Bowler—Water Management at Cahal Pech  
1:30 Kirk French, Timothy Murtha, David Webster, Christopher Duffy and Claire Ebert—Leveraging Water and Power at Tikal?  
1:45 David Chatelain—Water, Labor, and Control at the Minor Center of La Cariba, Guatemala  
2:00 Jeffrey Brewer and David Hyde—Mapping Medicinal Trail: Hydraulic Modeling at an Ancient Maya Hinterland Community  
2:15 Bradley Russell, Carlos Peraza, Enice Uc and Marilyn Masson—Preliminary Underwater Exploration of Cenote Sac Uayum, Mayapán, Mexico

- [53] SYMPOSIUM ■ ANIMAL LIFE HISTORIES: INTEGRATIVE ZOOARCHAEOLOGICAL APPROACHES TO INTERPRETATION OF INDIVIDUAL ANIMALS**  
**Room:** 10C (ACC)  
**Time:** 1:00 PM - 2:45 PM  
Chairs: Robert Losey and Lacey Fleming

**Participants:**

- 1:00 Pamela Cross—Life and Death of a Horse From Roman London: Skeletal Analysis with a Consideration of Pathology Patterning and Activity-related Skeletal Markers  
1:15 Carrie Wright and Julia Lee-Thorp—The Ladies of Highfield and the Blokes from Hoy: A New Approach for Detecting Mammal Milk Consumption in the archaeological record  
1:30 Kelly Ledford and Tanya Peres—Turkeys of a Feather Flock (and die) Together: Exploring the Management of a Resource in the Southeastern US through Individual Life Histories  
1:45 Terrance Martin and Dennis Lawler—Animal Pathologies at French Colonial Sites in the Midwest: Case studies of White-tailed Deer at Forts St. Joseph and Ouiatenon  
2:00 Michael Wylde, Ellen Lofaro, Susan deFrance and Paul Goldstein—A Dog Burial from Rio Muerto  
2:15 Lacey Fleming—Skeletal Tuberculosis Infection of the Hip? A Literature Review and Case Study of a Prehistoric North American Dog from Middle Tennessee  
2:30 Robert Losey and Lesley Harrington—Identifying Sled Dogs Through Bone Functional Adaptation Studies

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Thursday Afternoon, April 24

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**[54] FORUM ■ CULTURAL RESOURCES MANAGEMENT CHALLENGES ON MILITARY LANDS**

(Sponsored by Military Archaeological Resources Stewardship (MARS) Interest Group)

**Room:** 8A (ACC)

**Time:** 1:00 PM - 3:00 PM

**Moderator:** E.W. Duane Quates

**Participants:**

Regina Meyer—Discussant

Jake Fruhlinger—Discussant

Shaun Nelson—Discussant

Laura Carbalaj—Discussant

Kendall Campbell—Discussant

James Zeidler—Discussant

**[55] FORUM ■ (RE-)DEFINING SPATIAL ARCHAEOOMETRY**

**Room:** 8B (ACC)

**Time:** 1:00 PM - 3:00 PM

**Moderator:** Katie Simon

**Participants:**

Jesse Casana—Discussant

Alex Barker—Discussant

Willeke Wendrich—Discussant

Jason Herrmann—Discussant

Eileen Ernenwein—Discussant

**[56] SYMPOSIUM ■ BORDERS AND FRONTIERS IN THE PUEBLOAN WORLD**

**Room:** 15 (ACC)

**Time:** 1:00 PM - 3:00 PM

**Chair:** David Witt

**Participants:**

1:00 David Witt—The Study of Borders and Frontiers and Their Role in Chacoan Hegemony

1:15 Paul Reed—Puebloan Occupation of the Middle San Juan and the Chaco Frontier

1:30 Michelle Turner—Frontiers Reconsidered at Chimney Rock

1:45 John Kantner—Borderlands in the Chaco World: The Case of the Dutton Plateau  
2:00 Lori Reed, Linda Wheelbarger and David Witt—Ancestral Great Houses in the Northern Borderlands: Chacoan Hegemony at Aztec North and Point Pueblo

2:15 Gary Brown—Beyond Chaco: Testing the Boundaries of the Middle San Juan Region at Aztec

2:30 Bradley Parker—Discussant

2:45 Stephen Lekson—Discussant

**[57] SYMPOSIUM ■ NATIVE PEOPLES, ARCHAEOLOGISTS, SACRED SITES AND HUMAN REMAINS IN LATIN AMERICA: SOME CASE STUDIES IN COLLABORATION**

**Room:** 19A (ACC)

**Time:** 1:00 PM - 3:15 PM

**Chairs:** Ronald Lippi and Alejandra Gudino

Thursday Afternoon, April 24

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**Participants:**

- 1:00 Mario Rivera, Juan Carlos Tonko and Oscar Acuna—Chile and the XIX Century European Human Zoos  
1:15 María Etelvina Díaz, María Fernanda Sola and María Virginia Gunther—Urnas del Candire  
1:30 Christopher Heaney—Julio C. Tello and Indigenous Archaeology in Peru and North America  
1:45 Ronald Lippi, Alejandra Gudino and Estanislao Pazmino—Return of the Yumbos: A cultural happening in Nanegal, Ecuador  
2:00 Erika Gonzalez and Gerson Levi Lazzaris—The research, protection and repatriation of human and sacred remains of native people in archaeological research: Brazilian strategies and case studies  
2:15 Scott Simmons—The “Ambassadors to the Past” Program on Ambergris Caye, Belize: Embracing an Archaeology for, with, and by Indigenous People  
2:30 Patricia McAnany, Adolfo Ivan Batun Alpuche, Sarah Rowe and Maia Dedrick—What Lies Beneath the Basketball Court? Community Archaeology and Managing the Dead  
2:45 Randall McGuire—Discussant  
3:00 Questions and Answers

**[58] SYMPOSIUM ■ WORLDS AT DIFFERENT SCALES: POPULATION INTERACTIONS AND DYNAMICS OVER TIME IN AFRICA**

(Sponsored by Society of Africanist Archaeologists)

**Room:** 17A (ACC)

**Time:** 1:00 PM - 3:30 PM

Chair: Matthew Pawlowicz

**Participants:**

- 1:00 Adrienne Daggett—The View from Bluff's Edge: South Sowa, Botswana in the Early Iron Age  
1:15 Rebecca Janson—Iron Age frontier landscapes and complex societies in the Mandara Mountains (North Cameroon): plains and mountain relationships  
1:30 Joan-Mary Ogiogwa—Sungbo's Eredo: A construct of Socio-political Institution.  
1:45 Matthew Pawlowicz—Pursuing the Local in the Swahili World: Survey of Songo Mnara Island, Tanzania  
2:00 Vincent Rousseau, Kenneth Kelly and Kelly Goldberg—Sanya Paulia's rock shelter: Prehistoric contexts in coastal Guinea  
2:15 Frank Winchell—The Butana Group and Its Independence from the Central Nile Valley and Predynastic Egypt in the 4th Millennium BC: The Rise of the Eritrean-Sudanese Lowland Culture  
2:30 David Nash, Sheila Coulson, Sigrid Staurset, Stewart Ulliyott and Mosarwa Babutsi—Provenancing of silcrete artifacts: new insights into Middle Stone Age human behavior from northwest Botswana  
2:45 Thomas Fenn—BOTSWANA, SOUTHERN AFRICA AND GLASS BEAD TRADE IN THE INDIAN OCEAN DURING THE 1ST AND 2ND MILLENNIUM AD  
3:00 Edwin Wilmsen—Pots and their clays in interior southern Africa ca. cal. 200-2012 AD as identified by microscopic optical petrography  
3:15 Pheno Thebe—Techniques, Style: An Ethnoarchaeological Approach to understanding the social, ethnic and linguistic identity boundaries of pottery production in South Eastern Botswana

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Thursday Afternoon, April 24

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**[59] SYMPOSIUM DAILY PRACTICE AND ENCULTURED EXPERIENCE:  
EXPLORING DOMESTIC LIFE AMONG THE MOCHE OF NORTHERN PERU**

**Room:** 19B (ACC)

**Time:** 1:00 PM - 3:45 PM

**Chairs:** Ilana Johnson and Michele Koons

**Participants:**

- 1:00 Thomas Pozorski and Shelia Pozorski—Domestic Complexity at 1500B.C.: Exploring the Roots of Andean Domestic Practices within Two Casma Valley Residential Components
- 1:15 Giles Spence-Morrow—Pillars of the Community: Household Social Reproduction, Domestic Mimesis and Cyclical Renovation of Late Moche Ceremonial Architecture at Huaca Colorada, Jequetepeque
- 1:30 Ilana Johnson—Figures of Moche Past: Examining Identity and Gender in Domestic Artifacts
- 1:45 Guy Duke—Communities in Motion: Peripatetic Households in the Late Moche Jequetepeque Valley, Peru
- 2:00 Solsiré Cusicanqui and Luis Jaime Castillo Butters—Behind walls: Cerro Chepén and San Ildefonso, Two Fortified Settlements in the Jequetepeque Valley
- 2:15 Kari Zobler—Households and Local Resilience at Talambo, Jequetepeque, Perú
- 2:30 David Pacifico—Urban Households and Social Hierarchy at El Purgatorio, Peru
- 2:45 Robyn Cutright—Continuity and Change in Late Intermediate Period Households on the North Coast of Peru
- 3:00 Dana Bardolph—Evaluating Food, Identity, and Moche Valley Society through Archaeobotany
- 3:15 Brian Billman—Discussant
- 3:30 Edward Swenson—Discussant

**[60] SYMPOSIUM ■ WHAT IS UP THERE? A CROSS-CULTURAL  
PERSPECTIVE ON THE FUNCTIONS, SYMBOLISMS, AND  
TRANSFORMATIONS OF HILLTOP SETTLEMENTS IN THE OLD AND  
NEW WORLDS**

**Room:** 18C (ACC)

**Time:** 1:00 PM - 3:45 PM

**Chairs:** Juliette Testard and Marion Forest

**Participants:**

- 1:00 Marion Forest and Juliette Testard—What is up there? An Introduction to Common Issues with the Use of Hilltop Settlement Concept in Archaeology.
- 1:15 María Teresa Salomon Salazar—Entre los cerros del Epiclásico: el valle de Puebla-Tlaxcala
- 1:30 Juan Ignacio Macías and Citlallitl Villagrana Prieto—Shrines on High Places: An Analysis of Settlements on Hilltops in North Central Mexico During the Epiclassic (600-900 A.D.)
- 1:45 Karine Lefebvre—Vocación defensiva – vocación simbólica: nueva mirada sobre los asentamientos encaramados en el valle de Acámbaro durante el Postclásico tardío
- 2:00 Thibault Saintenoy and Romuald House—Hilltop Settlement in the Late Prehispanic Andes: A Global Review of the Pukara Phenomenon through Ethnohistory and Geomatics
- 2:15 Laetitia Borau—Water and Social Practices in Hilltop Settlements: The Example of the Gallic Oppidum of Bibracte (2nd-1st century B.C. - 1st century A.D.)

Thursday Afternoon, April 24

- 2:30 Colleen Strawhacker and Jonathan Sandor—Maintaining Soil Quality in Irrigated and Dryland Agricultural Fields: A Comparative Study of Upland and Lowland Environmental Impacts in the Hohokam Region in the U.S. Southwest  
 2:45 Sergio Suárez—Cholula y su paisaje. La utilización del paisaje cultural en la conformación de los calendarios de horizonte.  
 3:00 Fanny Dutilleux—Chamba, Center of the Himalayas? Human Appropriation of a Mountainous Landscape  
 3:15 Kenneth Hirth—Discussant  
 3:30 Charlotte Arnauld—Discussant

**[61] SYMPOSIUM ■ “PRECLASSIC MAYA CIVILIZATION IS NO LONGER A CONTRADICTION IN TERMS”: A SESSION IN HONOR OF NORMAN HAMMOND ON THE LAST FORTY YEARS OF PRECLASSIC MAYA RESEARCH. PART 2**

**Room:** Ballroom E (ACC)

**Time:** 1:00 PM - 3:45 PM

**Chair:** Francisco Estrada-Belli

**Participants:**

- 1:00 Sandra Balanzario, Erik Velasquez and Karina —Ichkabal. Un asentamiento del Preclasico Medio. Primeras investigaciones  
 1:15 Kathryn Reese-Taylor—The Preclassic Landscape of Yaxnohcah  
 1:30 AnaBeatriz Balcarcel, Richard Hansen and Edgar Suyuc-Ley—Genesis Maya: How the work in the Mirador Region Reshaped the Course of Preclassic Maya Research  
 1:45 Jessica MacLellan, Takeshi Inomata and Daniela Triadan—The Foundation of a Very Early Maya Ceremonial Center: Investigations at Ceibal, Guatemala, Since the Harvard Seibal Project  
 2:00 James Doyle—New Light on the Late Middle Preclassic (600-300 BC): Lessons Learned Since the Curl Lecture, 1985  
 2:15 Mary Jane Acuña—Bundles of Kingship and Wealth: the Iconography on Structure 5C-01-sub 4 at El Achiotal, a frontier site in northwestern Petén.  
 2:30 Astrid Runggalidier, William Saturno and David Stuart—From Village to City: Contributions from San Bartolo's Architecture, Art, and Writing in Revealing the Development of Preclassic Lowland Maya Culture.  
 2:45 Nina Neivens De Estrada and Mary Neivens—The first Maya ceramics; and the mother-daughter team who glue them together  
 3:00 Francisco Estrada-Belli—Preclassic Maya Civilization. A perspective from the Holmul region  
 3:15 Norman Hammond—Discussant  
 3:30 Questions and Answers

**[62] SYMPOSIUM ■ ICONOGRAPHY OF THE GULF COAST**

**Room:** 9A (ACC)

**Time:** 1:00 PM - 3:45 PM

**Chairs:** Cherra Wyllie and Sara Ladron De Guevara

**Participants:**

- 1:00 Sara Ladron De Guevara—Cuerdas y bandas cruzadas. La herencia de símbolos de poder olmecas.  
 1:15 Carolyn Tate—U-shaped platforms along the Gulf Coast and beyond  
 1:30 Billie Follensbee—How Essentializing Essentially Leads to the Wrong Conclusions: The Varied Roles of Female Olmec and Olmec-Related Figures

Thursday Afternoon, April 24

- 1:45 Octavio Quesada—Olmec Iconography: Prevalence of Naturalistic and Abstract Signs in a Visual Language
- 2:00 Lourdes Budar and Philip J. Arnold III—Olmec style sculpture on the Sierra de Santa Marta, Los Tuxtlas, Veracruz: Reflections.
- 2:15 Maximiliano Sauza, Lourdes Budar and Sara Ladrón de Guevara—El Glifo “Ojo de Reptil” en el Sistema de Representación Mesoamericana. Un Problema de Enfoque Visual
- 2:30 Rex Koontz—The Place of Palma Imagery in Classic Veracruz Iconography
- 2:45 Chantal Huckert—Algunas Figuras en la Vestimenta de las Figurillas Sonrientes en el Museo de Antropología de Xalapa (MAX)
- 3:00 Kim Richter—The Iconography of Postclassic Huastec Sculptures
- 3:15 Katherine Faust—The Iconography of Huastec Engraved Shell Ornaments and Ceramics
- 3:30 Questions and Answers

**[63] SYMPOSIUM ■ FEEDING TEOTIHUACAN: INTEGRATING APPROACHES TO STUDYING FOOD AND FOODWAYS OF THE ANCIENT METROPOLIS**

Room: 10B (ACC)

Time: 1:00 PM - 3:45 PM

Chairs: Nawa Sugiyama and Andrew Somerville

**Participants:**

- 1:00 Ian Robertson, Oralía Cabrera Cortés, Rubén Cabrera Castro, Marisol Correa Ascencio and Richard Evershed—Ceramic Evidence for Urban Subsistence Practices at Teotihuacan
- 1:15 Martin Biskowski—Staple Food Preparation at Teotihuacan
- 1:30 Etsuko Niwa and Saburo Sugiyama—Feathered Serpent and Flowering Trees: Interpreting Images of Food and Reproduction Cycles in Teotihuacan
- 1:45 Diana Martínez-Yrízar and Emily McClung de Tapia—The potential of paleoethnobotanical evidence in the study of Teotihuacan foodways
- 2:00 Rebecca Storey and Randolph Widmer—Skeletal Health and Patterns of Animal Food Consumption at S3W1:33 (Tlajinga 33), Teotihuacan
- 2:15 Nawa Sugiyama, Raúl Valadez and Bernardo Rodríguez—Faunal acquisition, maintenance and consumption: How the Teotihuacanos got their meat
- 2:30 Andrew Somerville, Nawa Sugiyama and Margaret Schoeninger—An Isotopic Investigation of Lagomorph Management and Breeding at Teotihuacan, Mexico
- 2:45 Isabel Casar, Pedro Morales, Edith Cienfuegos and Francisco J. Otero—Stable Isotope Paleodietary Reconstruction of Teopancatzco Teotihuacan
- 3:00 Linda Manzanilla—Discussant
- 3:15 Scott Fedick—Discussant
- 3:30 Questions and Answers

**[64] SYMPOSIUM ■ ESTABLISHING A BIOARCHAEOLOGY OF COMMUNITY**

Room: 17B (ACC)

Time: 1:00 PM - 4:15 PM

Chairs: Sara Becker and Sara Juengst

**Participants:**

- 1:00 Ann Kakaliouras—Theory in the Bioarchaeology of Community: Potentials, Pitfalls, and the “Population Problem”
- 1:15 Sara Becker—Community Labor and Laboring Communities within the Heartland and Hinterlands of the Tiwanaku State (AD 500-1100)

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**Thursday Afternoon, April 24**

- 1:30 Sara Juengst—Ritual Relationships: Communities and Connections in the Formative Lake Titicaca Basin
- 1:45 Anna Novotny—Defining Community in the Upper Belize River Valley during the Late Classic Period: A Micro-regional Bioarchaeological Approach
- 2:00 Krystal Hammond, John Crandall and Debra Martin—Networked Neighbors or Competing Villages? Using Bioarchaeological Data to Test Models of Regional Community Organization in the Ancient Southwest
- 2:15 Jered Cornelison, Wendy Lackey-Cornelison and Lynne Goldstein—Emblematic Identities of the Effigy Mound Manifestation: Symbolic Patterns and Variability in the Late Woodland, Southern Wisconsin
- 2:30 Ashante Reese and Rachel Watkins—Ancestry in Progress: The Construction of a Descendant Community for a Cadaver Skeletal Collection
- 2:45 Benjamin Valentine—Finding Community in the Contrasts: A Bioarchaeological Methodology for Theorizing Community
- 3:00 Kristina Killgrove and Sarah Bond—Communities of Foreigners in Roman Cemeteries (1st-3rd c AD)
- 3:15 Sylvia Deskačaj—The Walking Dead: Establishing and Maintaining Community in Northern Albania
- 3:30 William Meyer—Discussant
- 3:45 Christopher Stojanowski—Discussant
- 4:00 Deborah Blom—Discussant

**[65] SYMPOSIUM ■ CYBER-ARCHAEOLOGY IN THE MIDDLE EAST -  
METHODOLOGIES ON THE NEW FRONTIER OF DIGITAL FIELDWORK**

**Room:** 11AB (ACC)

**Time:** 1:00 PM - 4:30 PM

**Chairs:** Aaron Gidding, Matthew Vincent and Thomas Levy

**Participants:**

- 1:00 Rona Winter-Livneh, Tal Svoray and Isaac Gilead—Shape reproducibility of prehistoric dwellings in the southern Levant (Israel)
- 1:15 Dani Nadel, Reuma Arav, Guy Bar-Oz, Uzi Avner and Sagi Filin—High-Resolution ‘Desert Kites’ Documentation and Analysis: The Use of LiDAR Scanner in a Visibly Complex Environment
- 1:30 Jason Ur, Bjoern Menze and Matthew Murdoch—LIDAR and the Structure of an Assyrian City: A Case Study from Erbil, Kurdistan Region of Iraq
- 1:45 Sagi Filin, Vera Miller, Dani Rosenberg and Dani Nadel—Photogrammetry and 3D modeling of bedrock features (mortars and cupmarks)
- 2:00 Matthew Howland, Thomas Levy and Falko Kuester—Archaeological Survey and GIS-based Investigation into Site Formation Processes through Balloon Photography and Structure from Motion
- 2:15 Thomas Levy—Transdisciplinary Research and Historical Biblical Archaeology: Cyber-Archaeology and the Museum of the Future Questions and Answers
- 2:30 Matthew Adams and Adam Prins—Digital Archaeological Fieldwork and the Jezreel Valley Regional Project
- 3:00 David Schloen—The Data Lifecycle at Zincirli (Iron Age Sam’al) in Turkey
- 3:15 Aaron Gidding and Thomas Levy—Parsing the Data: The Development and Utilization of ArchaeoSTOR for Ceramic Analysis
- 3:30 Avshalom Karasik—The digital era – archaeological documentation and analysis at the Israel antiquities authority
- 3:45 Anne Austin—Developing mobile-based digital forms for archaeological data collection

Thursday Afternoon, April 24

- 4:00 Matthew Vincent, Falko Kuester and Thomas Levy—OpenDig: Digital field archaeology, curation, publication and dissemination  
 4:15 Maurizio Forte—Discussant

- [66] SYMPOSIUM ■ LEGACIES OF THE MIMBRES FOUNDATION: SHAPING THE FUTURE OF MIMBRES REGION ARCHAEOLOGY**  
**Room:** Ballroom B (ACC)  
**Time:** 1:00 PM - 4:30 PM  
**Chairs:** Patricia Gilman and Roger Anyon

**Participants:**

- 1:00 William Doeble—he Mimbres Foundation in the History of Nonprofit Archaeology  
 1:15 Karen Schollmeyer, Michael Diehl and Jonathan Sandor—Variability in Mimbres Food and Food Procurement  
 1:30 Roger Anyon and Barbara Roth—Changing Perspectives on Pithouse Period Occupations in the Mimbres Region  
 1:45 Jakob Sedig, Stephen Lekson and Barbara Roth—Making the Transition: A Reassessment of Mimbres Pithouse-to-Pueblo Period  
 2:00 Patricia Gilman, Darrell Creel and Thomas Gruber—Maintaining Social Cohesion in Classic Mimbres Pueblos  
 2:15 Elizabeth Toney, Robert Stokes and Aaron Woods—Social Contexts And Community Organizational Roles Of Classic Period Small Sites  
 2:30 Margaret Nelson and Michelle Hegmon—Mimbres Continuity and Change  
 2:45 Matthew Taliaferro, Katy Putsavage, Steve Swanson and Deb Huntley—The Postclassic of Southwestern New Mexico: Regional Variation in the Mimbres Area ca. A.D. 1150-1500  
 3:00 Darrell Creel—Changing Social Contexts of Mimbres Ceramic Production and Distribution  
 3:15 Michelle Hegmon, Will Russell, James McGrath and Michael O'Hara—MIMBRES POTTERY DESIGNS IN SOCIAL CONTEXT  
 3:30 Ben Nelson and Paul Minnis—Connectivity of Social Change in Mimbres and Points South  
 3:45 Harry Shafer—Discussant  
 4:00 Steven LeBlanc—Discussant  
 4:15 Patty Watson—Discussant

- [67] SYMPOSIUM ■ ARCHAEOLOGY, DEATH, AND CHANGE IN ANCIENT ARABIA**  
**Room:** 18A (ACC)  
**Time:** 1:00 PM - 4:15 PM  
**Chairs:** Kimberly Williams, Lesley Gregoricka and Gwen Robbins Schug

**Participants:**

- 1:00 Eugenio Bortolini—Fashion or social meaning? Analysing change in monumental burials of prehistoric eastern Arabia  
 1:15 Charlotte Cable—Tombs in Time and People in Space: Making sense of the Third Millennium BC Hafit-Umm an-Nar transition in north-central Oman.  
 1:30 Kimberly Williams and Lesley Gregoricka—The 3rd Millennium BC Mortuary Landscape of Dhank, Oman: Evidence of Transition between the Hafit and Umm an-Nar Periods.  
 1:45 Guillaume Gernez and Jessica Giraud—The graveyards of Adam, Oman  
 2:00 Olivia Munoz—The collective burials in the Oman Peninsula during the Early Bronze Age (3rd mill. BC) : the social implications of increasing complexity in funerary practices

Thursday Afternoon, April 24

- 2:15 Gwen Robbins Schug—A Hierarchy of Values: Order, complexity, and agency at Harappa
- 2:30 Augusta Bunting, Judith Littleton and Peter Sheppard—Cosmopolitan Populations? Strontium Isotope Analysis from ed-Dur, UAE
- 2:45 Ashley McGarry and Judith Littleton—An unusual case of burned remains from Bahrain: a violent incursion?
- 3:00 Marta Sobur—Sustainability in Early Dilmun Mortuary Economy
- 3:15 Jill Weber, Kimberly D. Williams and Lesley Gregoricka—Animals and the Changing Landscape of Death on the Oman Peninsula, 3rd Millennium BC
- 3:30 Lesley Gregoricka and Kimberly Williams—Regional mobility in the land of Magan: Strontium and oxygen isotope analysis at the Al Khubayb Necropolis, Oman
- 3:45 Debra Martin, Anna Osterholtz, Kathryn Baustian and Daniel Potts—The Tomb at Tell Abraq (2200-2000 BC): Demographic Structure and Mortuary Complexity
- 4:00 Peter Magee—Discussant

- [68] SYMPOSIUM ■ STEWARDSHIP, PUBLIC EDUCATION, AND PRESERVATION: PROMOTING THE VALUE OF ARCHAEOLOGICAL COLLECTIONS AND RESEARCH**  
(Sponsored by SAA Committee for Museums, Collections, and Curation)  
**Room:** 9C (ACC)  
**Time:** 1:00 PM - 4:30 PM  
**Chairs:** HB Thakar and Cynthia Bettison

**Participants:**

- 1:00 John Johnson, Ernestine Ygnacio-De Soto and Paul Goldsmith—The Making of “6 Generations:” A Collaborative Filmmaking Experience
- 1:15 Anne Jensen—Nuvuk, Walakpa and Beyond: Heritage and Archaeology on the North Slope of Alaska
- 1:30 Loa Traxler—After the Apocalypse - Engagement with Maya Cultural Heritage through Archaeology, Collections, and Museums
- 1:45 Jamie Merewether—Working with the Public at Crow Canyon Archaeological Center in Southwestern Colorado
- 2:00 Sheila Goff—Collaborative Relationships and Amazing Museum Collections Combine To Bring Archaeology to Broader Audiences
- 2:15 Questions and Answers
- 2:30 Elizabeth Sutton—Anthropology: What's It To You? Inspiring a Life-Long Love of Anthropology Though Authentic Experience at the Utah State University Museum of Anthropology
- 2:45 Jeannine Pedersen—There is a New Curation Facility in Town: Strategies for the Development of Educational Programming, Outreach and Social Media
- 3:00 Geralyn Ducady, Mariani Lefas-Tetenes, Sarah Sharpe and Christopher Audette—Museum Education and Archaeology: Using Objects and Methodology to Teach 21st-Century Skills in Middle School
- 3:15 Danielle Benden—From the Repository to the Classroom: Artifacts As A Portal To The Past
- 3:30 Larry Baker—Architecture: Structural Preservation in Northwestern New Mexico and the Need for Funding
- 3:45 Ad Muniz, Margie Burton and Cindy Stankowski—

Thursday Afternoon, April 24

4:00 Archaeology: Making It Relevant  
David Thomas—Discussant  
4:15 Kevin Smith—Discussant

**[69] SYMPOSIUM ■ EARLY HUMAN OCCUPATION DURING THE ICE AGE IN THE AMERICAS: NEWS DIRECTIONS AND ADVANCES**  
**Room:** 14 (ACC)  
**Time:** 1:00 PM - 4:45 PM  
**Chairs:** Rafael Suarez and Astolfo Araujo

**Participants:**

1:00 Theodore Schurr—New Genetic Perspectives on the Colonization of the Americas  
1:15 James Adovasio, JM Adovasio and DR Pedler—Late Pleistocene Occupation(s) in Eastern North America  
1:30 Daniel Amick—Late Pleistocene Archaeology of the North American Great Plains  
1:45 Bonnie Pitblado—Earlier and Higher than You Thought: The Peopling of the Rocky Mountains  
2:00 Ciprian Ardelean—Early hunter-gatherers and first human occupations at the end of the Ice Age and the Early Holocene in the Zacatecas desert, Mexico  
2:15 Kurt Rademaker, Gregory Hodgins, Gordon Bromley and Daniel Sandweiss—Late-glacial settlement of the high Peruvian Andes  
2:30 Umberto Lombardo, José M. Capriles and Heinz Veit—The paleoenvironments and adaptive strategies of the first Amazonian hunter-gatherers  
2:45 César Méndez Melgar, Omar Reyes, Amalia Nuevo Delaunay, Juan Luis García and Antonio Maldonado—The initial peopling of continental Aisén: problems faced, recent results and research projections  
3:00 Astolfo Araujo—Late Pleistocene / Early Holocene Human Occupations in Brazil: An Overview and Future Research Directions  
3:15 Mercedes Okumura and Astolfo Araujo—Assessing shape variation of Early Holocene bifacial points from South-eastern and Southern Brazil using a geometric morphometric approach  
3:30 Rafael Suarez—The Early Peopling of the Uruguay Middle River: New data, recent advances and perspectives  
3:45 María Gutierrez and Gustavo Martínez—Archaeological research contributions to the study of early human occupations in the Pampean region of Argentina: progress and new directions  
4:00 Nora Franco and Pablo Ambrustolo—Raw material transport and early designs at the southern end of the Deseado Massif (Patagonia, Argentina)  
4:15 Luis Borrero—Discussant  
4:30 Tom Dillehay—Discussant

**[70] SYMPOSIUM ■ LIGHTING DARK PASSAGES PART 2: CELEBRATING THIRTY YEARS OF JAMES E. BRADY'S CONTRIBUTIONS TO CAVE ARCHAEOLOGY**  
**Room:** 12AB (ACC)  
**Time:** 1:00 PM - 4:45 PM  
**Chairs:** C. L. Kieffer and Jon Spenard

**Participants:**

1:00 Paulo Medina and Mario Giron-Ábrego—Mesoamerican Caves: Supernatural Ideas, Real Places  
1:15 Donald Slater—A New Look at Old Faces in Maya Caves  
1:30 Tim Tucker—The Map of Cuauhtinchan II and the Valley of Teotihuacan

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Thursday Afternoon, April 24

- 1:45 Toni Gonzalez and Helen Haines—Bats, Bones, and Bells: Towards a Greater Understanding of Ancient Maya Chultun Use at Ka'Kabish, Belize  
2:00 Cristina Verdugo, Toni Gonzalez and Helen Haines—An Analysis of Skeletal Material from Chultuns C-1 and B-2 at Ka'Kabish, Belize: A Reconsideration of the Mortuary Function of Chultuns  
2:15 Joseph Orozco—An Examination Of Faunal Remains From Midnight Terror Cave  
2:30 Adam Solano, Melanie Saldaña, Toni Gonzalez and Cristina Verdugo—Ballcourts, Sweatbaths and Caves: Sacred Landscape at Chawak But'o'ob  
2:45 Caitlin Stewart and Gabriel Wrobel—A New Approach for Calculation of MNI in Commingled Remains: Mortuary Analysis of Caves Branch Rockshelter, Belize  
3:00 Joshua Burbank, Amy Michael, Gabriel Wrobel and Rebecca Shelton—Interpreting a Specialized Cache of Human Remains in Actun Kabul, Central Belize  
3:15 Megan Parker and Christopher Morehart—Culture vs. Behavior: Can We use Archaeobotanical Data from Ritual Contexts in the Maya Lowlands to Document Environmental Change?  
3:30 Logan McNatt—Composite Three-Prong Censers From Caves in the Maya Lowlands  
3:45 Jon Spenard—Ancient Maya Eminent Domain: Terminal Classic Period Royal Appropriation of Actun Lak Cave, Cayo District, Belize  
4:00 Cameron Griffith—Cave Use, Ritual Apotheosis, and Tribute to the God(s) of the Ancient Maya Underworld  
4:15 Holley Moyes—Discussant  
4:30 Questions and Answers

**[71] SYMPOSIUM PALEOLITHIC PARADIGMS: PAPERS IN HONOR OF GEOFFREY CLARK**

**Room:** Ballroom G (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chairs:** Michael Neeley, Jane Peterson and Julien Riel-Salvatore

**Participants:**

- 1:00 Jane Peterson—Integrating local perspectives: an early Neolithic case from southern Jordan  
1:15 Maysoon Al Nahar—Tell Abu es Suwan: Neolithic typology and technology  
1:30 Michael Neeley—Changing settlement organization in the late Pleistocene of the southern Levant  
1:45 Nancy Coinman and Jake Fox—The MP/UP transition and Early UP in the Wadi al-Hasa: Paradigmatic changes in Levantine prehistory  
2:00 Isaac Ullah—From a world of compasses, paper, and pencils to the digital era: how to integrate “pre-GPS” survey data into a modern research paradigm  
2:15 Brett Hill—The Defender  
2:30 Alan Simmons—Discussant  
2:45 Joseph Schuldenrein—Discussant  
3:00 Manuel Gonzalez-Morales, Igor Gutiérrez-Zugasti and David Cuenca-Solana—The Asturian after Geoff Clark: new perspectives, new evidence  
3:15 Julien Riel-Salvatore—The Uluzzian and the epistemology of the Middle-Upper Paleolithic transition  
3:30 Seonbok Yi—From Hang Cho to Rashaan Khad - East Asia at 40,000 BP and after  
3:45 Mary Stiner—Finding a common band-width: Causes of convergence and diversity in Paleolithic beads  
4:00 Neal Ackerly—Dabbling with Descartes: Contingent knowledge and evil

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Thursday Afternoon, April 24

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- demons in archeology  
4:15 C. Michael Barton, Julien Riel-Salvatore, Peter Bleed, Steven Kuhn and Peter Hiscock—Lithic technology and human ecology: An evidence-based paradigm for archaeological research  
4:30 Lawrence Straus—Discussant  
4:45 Paul Mellars—Discussant

**[72] SYMPOSIUM ■ TECHNOLOGY AND TRADITION IN MESOAMERICA AFTER THE SPANISH INVASION**

**Room:** 18B (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chair:** Rani Alexander

**Participants:**

- 1:00 Patricia Fournier, Cynthia L. Otis Charlton and Alejandro Pastrana—Postconquest Technological Innovation and Outcomes in Ceramic Traditions in Central Mesoamerica  
1:15 Alejandro Pastrana—OBSIDIANA - CONTINUIDAD PREHISPÁNICA E INTEGRACIÓN EN EL PERÍODO COLONIAL TEMPRANO, CENTRO DE MÉXICO.  
1:30 Bridget Zavala and Patricia Fournier—Gazing Mesoamerica from Nueva Vizcaya: Postconquest Technological Developments and Identity Among the Tepehuán and Other Indigenous Groups  
1:45 Stacie King and Elizabeth Konwest—New Materials – New Technologies? Postclassic and Early Colonial Technological Transitions in the Nejapa Region of Oaxaca, Mexico  
2:00 Judith Zeitlin and Andrew J. Webster—Feeding the Senses: Technologies of Taste and Pleasure in Colonial Tehuantepec, Mexico  
2:15 Krista Eschbach—Ceramic Traditions at the Port of Veracruz, Mexico: Four Centuries of Persistence and Transformation  
2:30 Elizabeth Newman and Karime Castillo Cárdenas—Cultural Continuity and Adaptation in Nineteenth-Century Ceramics in Atlixco, Mexico  
2:45 Questions and Answers  
3:00 Mario Castillo and Janine Gasco—Post-Contact Agriculture and Material Culture Change in Soconusco, Chiapas, Mexico  
3:15 Joel Palka—Metal Tools in Lacandon Maya Economics  
3:30 Jeb Card—How Much Technology Transfer Occurred in Early Colonial Central America?  
3:45 Kathryn Sampson—An Archaeology of Indigo: Modernity and the Landscape of Obrajuelos in the Izalcos Region of Western El Salvador  
4:00 Tracie Mayfield, David Pendleton and Elizabeth Graham—Consumerism, Industrialism, and Agriculture: Consumption and Productive Practices at Lamanai, Belize, During the Nineteenth Century  
4:15 Hector Hernandez—Technological Change of Henequen Desfibradora Machine during Yucatan's Gilded Age  
4:30 Rani Alexander and Nina Williams—Norias, Cenotes, and Rejolladas: Changes in Yucatán's Hydrogeologic Landscape after the Spanish Invasion  
4:45 Anthony Andrews—Discussant

**[73] SYMPOSIUM ■ MARKING THE LAND: HUNTER-GATHERER CREATION OF MEANING WITHIN THEIR SURROUNDINGS**

**Room:** 13AB (ACC)

**Time:** 1:15 PM - 4:30 PM

**Chairs:** Robert Whallon and William Lovis

Thursday Afternoon, April 24

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**Participants:**

- 1:15 Claudio Aporta—Land, snow, ice and water: Reflections on the physical nature of Inuit routes
- 1:30 Robert Jarvenpa and Hetty Jo Brumbach—Initializing the Landscape: Chipewyan Construction of Meaning in a Recently Occupied Environment
- 1:45 William Lovis—Landscape Marking and Network Maintenance in Big Rough Spaces with Few People: “It’s Dangerous to Travel Alone”
- 2:00 Gustavo Politis—Signs in the Forest: Territorial Markers of the Tropical Forest Hunter-Gatherers of South America
- 2:15 Mitsuo Ichikawa—Marks on the Landscape for Reconstructing the Past among the Hunter-gatherers in Central Africa
- 2:30 Carolyn O’Meara—Physical and linguistic marking of the landscape – Are they connected?
- 2:45 Stephen Loring—“These names,” she said, “these people, are our road signs.” Social obligations, toponymy, and wayfinding in the barrenlands of northern Canada.
- 3:00 Karen Lupo and Dave Schmitt—Land-Use and Landscape Features among Foragers and Farmers in the Northeastern Congo Basin
- 3:15 Frank Marlowe—Hadzaland
- 3:30 Akira Takada—Deployment of cultural meanings in the Central Kalahari
- 3:45 Petronella Vaarzon-Morel—Continuity and change in warlpiri practices of marking the landscape
- 4:00 Robert Whallon—Sacred Locales among Hunter-Gatherers
- 4:15 Questions and Answers

**[74] SYMPOSIUM ■ THE BIENNIAL GORDON R. WILLEY SYMPOSIUM ON THE HISTORY OF ARCHAEOLOGY: EXPLORERS IN SPACE AND TIME--EXAMINING ARCHAEOLOGIST'S CAREERS BETWEEN 1945 AND 1970**  
(Sponsored by History of Archaeology Interest Group)

**Room:** Ballroom C (ACC)

**Time:** 1:15 PM - 4:30 PM

**Chairs:** Patrick Trader and Bernard Means

**Participants:**

- 1:15 Anne S. Dowd—Notes on an Interview with Tatiana Proskouriakoff
- 1:30 Katie Kirakosian—“Soon the archaeological world will hear from New England”: Maurice Robbins and the remaking of Massachusetts archaeology
- 1:45 Christina Rieth—William A. Ritchie: New York Archaeologist and Explorer 1949-1972
- 2:00 Maureen Meyers and Richard Jefferies—C.G. Holland: Archaeological Survey in a Cultural Crossroads
- 2:15 Patrick Trader—Pioneering Archaeology in the Mountain State: The Career of Edward V. McMichael
- 2:30 Darla Spencer—Bettye Broyles (1928–2011): A Woman in a Man’s World.
- 2:45 Questions and Answers
- 3:00 George Crothers—The Cave Research Foundation Archaeological Project and the Eastern Agricultural Complex
- 3:15 Cheryl Ann Munson, Cheryl Ann Munson and April K. Sievert—James Kellar, Indiana’s Mid-Century Modern Archaeologist
- 3:30 Michael Wiant—Archaeology Large and Small: The Foundation of Stuart Stuever’s Legacy
- 3:45 Thomas Emerson and Dale McElrath—From squares to sites – exposing the archeological record in Illinois

Thursday Afternoon, April 24

- 4:00 Mark Wagner—Longhouses and Peace Medals: Elaine Bluhm Herold and the Beginning of Contact Period Archaeology in Illinois  
 4:15 Bernard Means—Discussant

- [75] SYMPOSIUM ■ INTEGRATED HISTORICAL ECOLOGY OF HUMAN ECODYNAMICS: AN APPLIED ARCHAEOLOGY FOR FUTURE EARTH**  
**Room:** 10A (ACC)  
**Time:** 1:15 PM - 4:45 PM  
 Chairs: Christian Isendahl and Jago Cooper

**Participants:**

- 1:15 Sander Van Der Leeuw—Learning from the Past, but for the Future  
 1:30 Thomas McGovern—The GHEA Vision: Connecting Communities and Promoting Collaboration  
 1:45 Carole Crumley—Continental Europe  
 2:00 Andrew Dugmore—Comparative Island Ecodynamics and the ‘Conservation of Fragility’ in the North Atlantic  
 2:15 Katherine Spielmann and Margaret Nelson—Vulnerabilities to Food Security: Contributions from the Prehistoric US Southwest  
 2:30 Vernon Scarborough, Joel Gunn, Lisa Lucero, Arlen Chase and Diane Chase—A Complex World at another Scale: Maya Hierarchy and Social Change  
 2:45 Christian Isendahl, William Woods, William Balée, Lillian Rebellato and Sanna Saunaluoma—Past Amazon and Future Earth  
 3:00 Paul Sinclair, Paul Lane and Anneli Ekblom—The Future Past: Applied Historical Ecology in Southern and Eastern Africa  
 3:15 Tony Wilkinson, Dan Lawrence and Graham Philip—The Fragile Crescent: Long Term Adjustments to Changing Political and Environmental Changes  
 3:30 Jago Cooper—Small Island States for Future Earth  
 3:45 Joseph Tainter—Discussant  
 4:00 Stephen Jackson—Discussant  
 4:15 Frans Berkhout—Discussant  
 4:30 Questions and Answers

- [76] POSTER SESSION ■ ARCHAEOLOGICAL PRACTICE, COLLABORATION, INTERPRETATION, AND OUTREACH**  
**Room:** Ballroom F (ACC)  
**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 76-a Matthew Luke—Interactive Interpretative Technologies  
 76-b Erin Hogg and John R. Welch—What Does Collaborative Archaeology Mean to You?  
 76-c Philip Carr—Team-Based Learning in an Undergraduate Archaeological Method and Theory Course  
 76-d Joseph Beaver and Ian Buck—Teaching Hunter-Gatherer Lifeways through Gamification  
 76-e Catherine Prescott, Nathan Goodale and Alissa Nauman—Cooking for the Camp: An Archaeological Field School Cookbook  
 76-f Plácido Cali and Marianne Sallum—CULTURAL HERITAGE EDUCATION PROGRAMS IN BRAZIL: SHARING EXPERIENCES WITH LOCAL COMMUNITIES  
 76-g Jessica Howe and Jodi Barnes—Pots and Pipes from the Austin Site: Public Archaeology in Southeast Arkansas

Thursday Afternoon, April 24

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**[77] POSTER SESSION ■ ISSUES IN MANAGING ARCHAEOLOGICAL SITES, ARTIFACT COLLECTIONS, AND CULTURAL RESOURCES**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 77-a Martha Graham and Nell Murphy—Inside a Mediator's Toolkit: Reframing Cultural Resource Compliance in the Context of Alternative Dispute Resolution
- 77-b Alex Nyers and Karl Vollmer—Archie - The Development and Implementation of an Open Source Archaeological Database System
- 77-c Ruth Troccoli, Christine Ames and Chardé Reid—Collections Crisis in the Nation's Capital
- 77-d Leslie Reeder-Myers—Climate Change and the Archaeological Record of North America's Coasts
- 77-e Marion Smeltzer and Bev Chiarulli—Preservation methods go high Tech through 3 D Scanning.
- 77-f Anne Vawser—Does Archeological Site Monitoring Work? The National Park Service's Midwest Region's Ranger Monitoring Program
- 77-g John Doershuk, Mary De La Garza and Colleen Eck—I-SitesGov: Expanding Access to the Iowa Site File for Project Planners
- 77-h Dominique Alhambra, Stephen Lensink and Teresa Rucker—The Negatives and Positives of Preserving Iowa's Archaeological Photographs
- 77-i Luke Schulze and Ruth M. Van Dyke—Castro Colonies Living History Center, the Jacob Biry House, Castroville, Texas: A Preliminary Investigation
- 77-j Robert OBoyle, Alvin Windy Boy, Virginia O'Boyle, Jason Brown and Duncan Standing Rock Sr.—Success and Opportunity: Consultation, Federal Agencies, and Indian Country
- 77-k Mark Slaughter, Steve Daron, Patricia Hicks, Mark Boatwright and Kelly Turner—The Southern Nevada Public Land Management Act: Recent Archaeological Achievements
- 77-l Lawrence Todd—Archaeology in a Smoldering Landscape: High elevation, post-fire Research in the Greater Yellowstone Ecosystem, Wyoming.
- 77-m Paul Burnett—Adaptive Management in the Niobrara Oil Play: Probability Modeling for Cultural Resources
- 77-n Justin Williams and Matthew Landt—Colorful Interpretations: Innovative Uses of MAN Analysis in a CRM Setting
- 77-o Zaida Darley and E. Christian Wells—The Price of Paradise: Tourism's Impact on Archaeological Resources in Placencia, Belize

**[78] POSTER SESSION ■ ARCHAEOLOGY, TRADITIONAL KNOWLEDGE, AND NATIVE AMERICAN PEOPLES**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 78-a Erika Blecha, Mary Bobbitt, Bethany Hauer, Linwood Tallbull and Kelly Dixon—Examining Landscape Transformations at Oévémanâhénó: The Use of Modern and Traditional Methods at an Early Reservation-Era Community along the Tongue River on the Northern Cheyenne Reservation
- 78-b Mary Bobbitt, Bethany Hauer , Ayme Swartz, Erika Blecha and Kelly J. Dixon—Landscape Reconstruction of the Fort Missoula Historic Dump and Grant Kohrs Ranch National Park
- 78-c Sharlot Hart—Setting the Record Straight: An Ethnography of Montezuma Castle and Tuzigoot National Monuments

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Thursday Afternoon, April 24

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- 78-d Rechanda Lee and Kerry Thompson—‘Ashtl’ó Yóhool’ah (Learning to Weave): The Cultural Transmission of Technological Style in Navajo Textiles

**[79] POSTER SESSION ■ THE AMERICAN WEST**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 79-a Bruce Huckell, Duane Hubbard, Larry Ludwig, Jacob DeGayner and Thaddeus Liebert—Late 19th Century Apache Resistance as Seen from Chiricahua National Monument, Southeastern Arizona
- 79-b Laura Burghardt—The Vernacular Architecture of Homesteads in Cebolla Creek, New Mexico
- 79-c Shannon Landry—Faunal Identification and Age Assessment through Dental Analysis: The Wetherill Trading Post, Chaco Canyon, NM
- 79-d T'Shawna Span, Warren Lail and Victoria Evans—Window Into the Past: Two 19th century unmarked burials in Roy New Mexico
- 79-e Aaron Roth, Warren Lail and Victoria Evans—The Life and Death of Urraca Man
- 79-f LuAnn Wandsnider, Lauren Walking, Matthew Douglass, Emily Hammerl and Daniel Osborne—Fighting with Soddis? A First Look at Signaling and its Effectiveness in Homesteading Contexts, Sand Hills region, Central Plains, USA
- 79-g Jeremy Brunette and Christine Nycz—Archaeological Investigations of the Platt Historic District at Chickasaw National Recreation Area: Results of 2013-2014 Field Work
- 79-h Richard Drass, Stephen Perkins, Susan Vehik and Michael Caralock—2013 Excavations at the Historic Longest Site and Wichita Fortifications on the Southern Plains
- 79-i Aaron Coons, Kisha Supernant and Katie Tychkowsky—A Comparison of Mapping Techniques at Chimney Coulee, a Fur Trade Era Métis Settlement

**[80] POSTER SESSION ■ BOOT CAMP FOR TEACHING UNDERGRADUATE ARCHAEOLOGY: LESSONS FROM THE MIDDLE ATLANTIC**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Chair:** Heather Wholey

**Participants:**

- 80-a Julia King—Archaeology Practicum: Teaching Undergraduates the Pleasures and Problems of Working with Archaeological Collections
- 80-b Sarah Neusius, Beverly Chiarulli, Phillip Neusius and Ben Ford—A Quarter Century of Training Undergraduate Archaeologists at IUP
- 80-c Heather Wholey—Teaching Archaeological Skills through Stewardship: The Wilson Documentation Project
- 80-d Brian Bates and James Jordan—It's Always Field School Around Here: Longwood Archaeology and the Life Skills That an Archaeological Education Provides
- 80-e Carole Nash—Thinking like an Archaeologist: Undergraduate Experiential Learning in a Blue Ridge Compliance Setting

**[81] POSTER SESSION ■ THE GREAT STATE OF HISTORIC PRESERVATION IN THE EASTERN UNITED STATES: RECENT FINDINGS FROM THE DIGITAL INDEX OF NORTH AMERICAN ARCHAEOLOGY (DINAA)**

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Thursday Afternoon, April 24

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**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Chairs:** David G. Anderson, Joshua Wells and Stephen Yerka

**Participants:**

- 81-a Eric Kansa, Steven Yerka, Sarah W. Kansa, Robert Carl DeMuth and David G. Anderson—Navigating and Visualizing Archaeological Data on Vastly Different Scales
- 81-b Kelsey Noack Myers, R. Carl DeMuth, Joshua Wells, Stephen Yerka and Thad Bisset—The Anthropology of Archaeological Data Collection and Management
- 81-c R. Carl DeMuth, Kelsey Noack Myers, Thad Bisset, David G. Anderson and Joshua J. Wells—Examining DINAA's potential to reframe our archaeological vocabulary
- 81-d Bryan Dull and Joshua Wells—Embodying Materiality within the Landscape: A multiscalar analysis of Woodland earthwork structures in northern Indiana

**[82] POSTER SESSION ■ AMERICAN LANDSCAPES: ARCHEOLOGY, ANTHROPOLOGY, LANDSCAPE HISTORY AND ENVIRONMENTAL DIVERSITY**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Chairs:** Mark Lynott and Peter Topping

**Participants:**

- 82-a Mark Lynott—Hopewell Ceremonial Landscapes of Ohio
- 82-b Douglas Scott, Peter Bleed and Amanda Davey—A Battlespace Model of the 1865 North Platte Campaign
- 82-c Julie Gardiner, Mark Lynott and Peter Topping—American Landscapes: Archeology, Anthropology, Landscape History and Environmental Diversity
- 82-d Bob Birmingham—Ancient Effigy Mound Landscapes of North America

**[83] SYMPOSIUM ■ MIXTEC POLITIES: VARIATIONS, DEVELOPMENTS, AND TRANSFORMATIONS SPANNING THE POSTCLASSIC TO COLONIAL PERIODS**

**Room:** 18D (ACC)

**Time:** 2:30 PM - 5:00 PM

**Chairs:** Stephen Whittington and Marc Levine

**Participants:**

- 2:30 Jessica Hedgepeth Balkin, Arthur Joyce, Michelle Goman and Sarah Barber—In the Wake of Lord 8 Deer: Postclassic Settlement Changes in the Lower Río Verde Valley of Coastal Oaxaca
- 2:45 Marc Levine—Cotton Kingdom: Textiles and Trade at Postclassic Tututepec
- 3:00 Gerardo Gutierrez—Spatial Structure and Genealogical Interactions of the Complex Yuhuitayu of Tlapa-Tlachinollan of Mixteca Guerrero
- 3:15 Stephen Whittington, José Leonardo López Zárate, Ismael Gabriel Vicente Cruz, Kenneth Robinson and Kate Yeske—Cerro Amole and its Relationship to the Mapa de Teozacoalco
- 3:30 Jamie Forde—Residential Excavations at the Pueblo Viejo of San Miguel Achitlán: Preliminary Results
- 3:45 Carlos Rincón Mautner—The Struggle for the Indian Soul: Zoological and Botanical Imagery in the Conversion to Christianity of the Native Peoples of the Mixteca Alta of Oaxaca.
- 4:00 Christina Warinner—Ancient biomolecules and new possibilities in Mixtec archaeology

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Thursday Afternoon, April 24

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- 4:15 Stephen Kowalewski and Ron Spores—The Mixtec Kings and Their People  
 4:30 Jeffrey Blomster—Discussant  
 4:45 Nelly Robles Garcia—Discussant

**[84] GENERAL SESSION ■ SOUTHWEST ASIA**

**Room:** 16B (ACC)

**Time:** 2:30 PM - 4:45 PM

**Chair:** Max Price

**Participants:**

- 2:30 Erin Rice—Obsidian in the Southern Levant: A Comparative Analysis Using pXRF  
 2:45 Sarah MacIntosh and Levent Atici—An Experimental Approach to Antler Working at Körük Tepe (SE Turkey) during Pre-Pottery Neolithic A (PPNA)  
 3:00 Daniel Kaufman, Mina Weinstein-Evron, Reuven Yeshurun, Valentina Caracuta and Elisabetta Boaretto—Lunate Seriation Along the Natufian Sequence of el-Wad: Implications for Intra-Natufian Cultural Change  
 3:15 Theresa Barket—Features of Household-Level Flaked-Stone Production at the Neolithic Site of 'Ain Ghazal, Jordan  
 3:30 Philip Hitchings and Edward Banning—Geomorphological and Topographic Indicators of Potential Neolithic Occupation in Northwest Jordan: Survey Results from Wadi Quseiba and their Significance for Future Research  
 3:45 Alexis McBride—Parks, Piazzas, or Abandoned Lots? Archaeology of Outdoor Spaces in the Near Eastern Neolithic  
 4:00 Katherine Wright—Domestication and inequality? Households, corporate groups and ground stone processing tools at Neolithic Çatalhöyük and other early villages in the Near East  
 4:15 Jesse Wolfhagen, Katheryn Twiss, Amy Bogaard and Jacqui Mulville—Moving Beyond 'The Local Range': Statistical Approaches to Interpreting Herd Management Strategies through Stable Strontium Isotopes at Neolithic Çatalhöyük (Turkey)  
 4:30 Max Price—Animal Husbandry and Secondary Products at Chalcolithic Marj Rabba (Lower Galilee)

**[85] SYMPOSIUM ■ RISE AND RESISTANCE: COMPLEX POLITIES AMONG ISLANDS AND COASTS**

(Sponsored by SAA Island & Coastal Archaeology Interest Group)

**Room:** 16A (ACC)

**Time:** 2:45 PM - 5:00 PM

**Chairs:** Scott Fitzpatrick and Victor Thompson

**Participants:**

- 2:45 Daniel Sandweiss—Negotiated Subjugation: The Incorporation of Chincha into the Inca Empire  
 3:00 Thomas Pluckhahn and Victor Thompson—Production, Exchange, and Complexity at Crystal River  
 3:15 Victor Thompson and Scott Fitzpatrick—The Fluid Histories of Island and Coastal Polities  
 3:30 Jennifer Kahn—Monumental Architecture, Ceremonial Nodes, and Ritual Specialists: Avenues to Social Complexity in the Society Island Chiefdoms (Central Eastern Polynesia)  
 3:45 Heather McKillop—The Role of the Sea in the Rise of Maya Civilization  
 4:00 Ian McNiven—Kulkalgal and Tudulgal: geopolitical manipulation and domination of Torres Strait Islander social networks  
 4:15 Lynn Gamble—Social and Ritual Transformations in Coastal Hunter/Gatherer

Thursday Afternoon, April 24

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- 4:30 Communities in the Santa Barbara Channel Region  
Jeffrey Glover and Dominique Rissolo—The Maritime Maya: Ambivalence, Ambition, and Adaptation across Millennia  
4:45 Douglas Kennett—Discussant

**[86] FORUM ■ ETHICS IN CULTURAL RESOURCE MANAGEMENT**  
**(Sponsored by Committee on Ethics)**  
**Room:** 8C (ACC)  
**Time:** 3:00 PM - 5:00 PM  
**Moderator:** Karen B. Supak

**Participants:**

- Patrick Garrow—Discussant  
Renata Godoy—Discussant  
Angelina Howell—Discussant  
Steven Walker—Discussant  
Willem Willems—Discussant

**[87] GENERAL SESSION ■ ARCHAEOLOGY ON PUBLIC LANDS**  
**Room:** 10C (ACC)  
**Time:** 3:00 PM - 4:45 PM  
**Chair:** F. Scott Worman

**Participants:**

- 3:00 Helen Fairley, Brian Collins, Amy Draut, Skye Corbett and David Bedford—Evaluating the Effects of Glen Canyon Dam on Downstream Archaeological Sites in Glen and Grand Canyons, Arizona  
3:15 F. Scott Worman, Patrick Hogan and Alexander Kurota—Burned and Blown Away: hearth-mound sites at White Sands National Monument  
3:30 J Bremer and Anne Baldwin—Over A Century of Archaeological Research on the Santa Fe National Forest  
3:45 Katrina Eichner—Community Formation in 19th Century Texas: Preliminary Findings from Fort Davis National Historic Site  
4:00 Pei-Lin Yu, Stanley Bond and Marcy Rockman—Hot, Dry, Flooded, and Burned: Climate Change Science and Archaeology in the National Park Service  
4:15 Mark Howe—THE UNITED STATES INTERNATIONAL BOUNDARY AND WATER COMMISSION: GEOARCHEOLOGICAL EXPLORATIONS ALONG THE US / MEXICAN BORDER FROM THE PACIFIC TO THE GULF OF MEXICO  
4:30 Tim Gibbs and Tim Roberts—TPWD Trail Surveys on Big Bend Ranch – More Questions than Answers

**[88] SYMPOSIUM ■ CONFLICT, ARCHAEOLOGY AND THE PRESS**  
**(Sponsored by Media Relations Committee)**  
**Room:** 8B (ACC)  
**Time:** 3:15 PM - 5:00 PM  
**Chair:** Renata Wolynec

**Participants:**

- 3:15 Renata Wolynec—The Fall and Rise of Zahi Hawass  
3:30 Maria Gatto and Kimball Banks—ARCHAEOLOGY IN EGYPT DURING THE ARAB SPRING  
3:45 Andrea Messer—Gaddafi to Post Gaddafi, the Changing Status of Libyan Archaeology in the Media  
4:00 Jeffrey Emanuel—Modern war and living history: Syria, Iraq, and the fate

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**Thursday Afternoon, April 24**

- of antiquities
- 4:15 Zachary Nelson—Indian Battlefields Meet the Press
- 4:30 Evan Parker—Heritage Conflict Arbitration and the Media in Post-Katrina New Orleans
- 4:45 Andrea Messer—Discussant
- [89] GENERAL SESSION ■ EUROPE DURING THE BRONZEAGE, IRON AGE, AND VIKING AGE**
- Room:** 8A (ACC)
- Time:** 3:15 PM - 5:00 PM
- Chair:** William Balco
- Participants:**
- 3:15 Robert Schon—The Role of the State in Reducing Transaction Costs: A Case Study from the Bronze Age
- 3:30 William Balco—Mead, Wine, Power, Prestige: Commensality and Change in Late Iron Age Western Sicily
- 3:45 Nadya Prociuk—Inscribing identity: A case study of symbolic communication from the Iron Age Castro Culture of north-western Iberia
- 4:00 Gregory Zaro—Urban transformation and landscape change surrounding the Nadin archaeological site in the Ravni Kotari region of the eastern Adriatic
- 4:15 Michael Galaty, Lorenc Bejko, James Harris, Stanley Galicki and Sylvia Deskaj—The 2013 Field Season of the Projekti Arkeologjikë i Shkodrës (PASH), Northern Albania
- 4:30 Courtney Buchanan—Using Portable Antiquities to Understand Identity Creation: A Case Study from Viking Age Scotland
- 4:45 W. Hamilton, Kerry Sayle, Philippa Ascough and Gordon Cook—Stable isotopes ( $\delta^{13}\text{C}$ ,  $\delta^{15}\text{N}$ , and  $\delta^{34}\text{S}$ ), radiocarbon dating, and the chronology of early Norse settlers around Lake Mývatn, north-east Iceland
- [90] GENERAL SESSION ■ NEW WORLD ROCK ART**
- Room:** 15 (ACC)
- Time:** 3:15 PM - 5:00 PM
- Chair:** Ana Nieves
- Participants:**
- 3:15 Christopher Davis—Pleistocene Amazonian Archaeoastronomy as a Potential Source for South American Ethnoastronomy Traditions
- 3:30 Vivian Scheinsohn and Florencia Rizzo—Rock Art as a Mortuary Practice in North Patagonia
- 3:45 Ana Nieves and Gori Tumi Echevarria—Beyond Iconography: The Application of Reflectance Transformation Imaging in the Study of Nasca Valley Rock Art Sites (Rio Grande de Nasca Drainage, Department of Ica, Peru)
- 4:00 Marissa Selena Molinar—Drawing the Hunt: Female Agency in the Age of Hunting in the Coso Range
- 4:15 Mark Giambastiani—Inferences from the Spatial Distributions and Composition of Rock Art Sites in West-Central Lincoln County, Nevada
- 4:30 Madeline Mackie—Determining the Age and Sex of Rock Art Hand Spray Artists, Johnson County, Wyoming
- 4:45 Gordon Houston and Irakli Simonia—ROCK ART AS SOLAR MARKERS, DEFINING CULTURAL INTENT

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Thursday Afternoon, April 24

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**[91] GENERAL SESSION ■ HIGHLAND MEXICO**

**Room:** 9B (ACC)

**Time:** 3:30 PM - 5:00 PM

**Chair:** Marijke Stoll

**Participants:**

- 3:30 James Neely and Michael Aiupalasit—New Light on the Prehistoric Purrón Dam Complex: Small Corporate Group Collaboration in the Tehuacán Valley, Puebla, México  
3:45 Charles Knight—The Production of Biface Blanks as part of Macrocore and Polyhedral Core Reduction Sequences at the Zaragoza-Oyameles Obsidian Source Area, Puebla, Mexico  
4:00 Agapi Filini—Symbols Are Important: Teotihuacan and Foreign Political Practice  
4:15 Megan Leight—Teotihuacan Figural Representations: Ancestor or Deity?  
4:30 Charles Stapleton—Teotihuacan Predatory Animal Imagery Revisited  
4:45 Marijke Stoll—The Ballgame Traditions of Prehispanic Oaxaca

**[92] GENERAL SESSION ■ EURASIA**

**Room:** 19A (ACC)

**Time:** 3:45 PM - 5:00 PM

**Chair:** Kathryn MacFarland

**Participants:**

- 3:45 Erik Johannesson—Echoes in Eternity: Stone Monuments and Social Memory in Bronze-Iron Age Mongolia  
4:00 Kathryn MacFarland—The Tengri's Home: A Deer Stone  
4:15 YUQI LI—Late Bronze Age (1900-1500 BC) Copper metallurgy and interactions between sedentary and mobile groups in Southern Uzbekistan  
4:30 Karim Alizadeh—Approaches to Social Complexity In Kura-Aras Culture: A View from Köhne Shahar (Ravaz) In Chaldiran, Iranian Azerbaijan  
4:45 Patrick Hadel, Dr. Yadmaa Tserendagva and Dalantai Sereuya—Investigations at Burgas Ni Am Buddhist monastery in the Northern Gobi, Mongolia

**[93] GENERAL SESSION ■ BIOARCHAEOLOGY IN LATIN AMERICA**

**Room:** 9A (ACC)

**Time:** 4:00 PM - 5:00 PM

**Chair:** Deborah Bolnick

**Participants:**

- 4:00 Ana Morales-Arce and Ana Cristina Aguilar—Bioarchaeological approaches to the site "La Cascabel" in Bahia Culebra, Costa Rica (800 -1550 AD).  
4:15 Erin Patterson—Reconstructing Health and Diet: Interpreting Patterns of Dental Pathologies in Two Classic Maya Populations  
4:30 Valda Black and Danielle Kurin—A Morphometric Approach to Characterizing Heterogeneity in Cranial Modification in the South-Central Peruvian Highlands  
4:45 Deborah Bolnick, Elizabeth Pintar, Jorge Martínez, Marcela Diaz-Matallana and Jaime Mata-Míguez—Ancient DNA from Early Human Burials in the Argentine Puna: Insights into Burial Practices and South American Population History

**[94] GENERAL SESSION ■ MEDIEVAL AND POSTMEDIEVAL EUROPE**

**Room:** 19B (ACC)

**Time:** 4:15 PM - 5:00 PM

**Chair:** Christopher Fennell

**Participants:**

Thursday Afternoon, April 24

- 4:15 Jennifer Shaffer Foster—Unexpected Objects: Stone Tools in an Age of Gold  
4:30 Catharine Wood—Charity on the Fringes of the Medieval World: Skriðuklaustur, A Late Medieval Priory-Hospital in Eastern Iceland  
4:45 Christopher Fennell—Tradition and Modernity on Great Blasket Island, Ireland

**[95] GENERAL SESSION ■ ARCHAEOLOGY OF NATIVE AMERICAN SOCIETIES IN TEXAS**

**Room:** 18C (ACC)

**Time:** 4:15 PM - 5:00 PM

**Chair:** Leslie Bush

**Participants:**

- 4:15 Leslie Bush—Evidence for a long-distance trade in bois d'arc (*Maclura pomifera*, Moraceae) bows in 16th century Texas  
4:30 Bradford Jones—The Aranama and the Art of War: Local Knowledge, Colonial Practice, and Lithic Technology in Late Prehistoric and Spanish Colonial South Texas  
4:45 Mary Galindo, Jimmy Arterberry, Heidi Fuller, Matthew Carter and Alamea Young—Traditional Cultural Property Study at Camp Bowie: A Comanche Perspective

Thursday Evening, April 24

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**Thursday Evening ■ April 24, 2014**

- [96] ELECTRONIC SYMPOSIUM ■ GETTING BACK TO SAVING THE PAST FOR THE FUTURE: HERITAGE EDUCATION AT A PROFESSIONAL CROSSROADS**  
(Sponsored by Public Education Committee)  
**Room:** 19B (ACC)  
**Time:** 6:00 PM - 8:00 PM  
**Chair:** Margaret Heath

**Participants:**

- Shereen Lerner—Challenging the Status Quo  
Maureen Malloy—Archaeology Education in the U.S.: Past, Present, and Future  
Jeanne Moe—Archaeology and the Common Core State Standards: All Hands on Deck  
Hope Luhman—Considering the Possibilities: Cultural Resource Management's Role in Heritage Education  
A. Gwynn Henderson—Public Archaeology at the Kentucky Archaeological Survey  
Ryan Harke—Towards a Public Environmental Archaeology: History, Survey and Suggestion  
Ben Thomas—Facilitating Outreach and Education on a Grassroots Level  
Robert King—Heritage Education at the 2013 National Boy Scout Jamboree: A Report on an Opportunity Taken  
Meredith Hardy—New Directions in Archeological and Cultural Heritage Education  
Eleanor King—Heritage and the Underrepresented: the Perspective from Howard University  
Margaret Heath—Past, Present, and Future Directions of Heritage Education

- [97] FORUM ■ BUILDING A TACTICAL AND STRATEGIC TOOLKIT FOR INDIGENOUS HERITAGE STEWARDSHIP**  
(Sponsored by Intellectual Property Issues in Cultural Heritage (IPinCH) Project)  
**Room:** 9A (ACC)  
**Time:** 6:00 PM - 8:00 PM  
**Moderator:** Ian Lilley

**Participants:**

- Joe Watkins—Discussant  
Malcolm Connolly—Discussant  
Lee Rains Clauss—Discussant  
Davina Two Bears—Discussant  
Ora Marek-Martinez—Discussant

- [98] FORUM ■ BRIDGING THE GAP: PROTECTING ARCHAEOLOGICAL RESOURCES IN THE AGE OF SHALE GAS DEVELOPMENT**  
**Room:** 8B (ACC)  
**Time:** 6:00 PM - 8:00 PM  
**Moderator:** Marion Werkheiser

**Participants:**

- Charles Niquette—Discussant  
Mark Boling—Discussant  
Thomas Motsinger—Discussant

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Thursday Evening, April 24

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**[99] FORUM ■ PLANT DOMESTICATION: MORPHOLOGY, GENETICS, AND SOCIAL CONTEXT**

**Room:** 8C (ACC)

**Time:** 6:00 PM - 8:00 PM

**Moderator:** Xinyi Liu

**Participants:**

Kelly Swarts—Discussant

Logan Kistler—Discussant

Yan Pan—Discussant

Christine Hastorf—Discussant

Maria Bruno—Discussant

Terry Brown—Discussant

Zhijun Zhao—Discussant

Martin Jones—Discussant

**[100] FORUM ■ SURVEYING THE AMERICAS**

**Room:** 8A (ACC)

**Time:** 6:00 PM - 8:00 PM

**Moderator:** Kenneth Aitchison

**Participants:**

Christopher Dore—Discussant

Dean Snow—Discussant

Eduardo Neves—Discussant

Ian Burrow—Discussant

Nicolas Zorzin—Discussant

Teresita Majewski—Discussant

**[101] FORUM ■ USING TDAR (THE DIGITAL ARCHAEOLOGICAL RECORD) FOR MANAGEMENT, RESEARCH, AND EDUCATION—LESSONS LEARNED**

(Sponsored by The Center for Digital Antiquity)

**Room:** 9C (ACC)

**Time:** 6:00 PM - 8:00 PM

**Moderator:** Leigh Anne Ellison

**Participants:**

Ralph Bailey—Discussant

Jon Czaplicki—Discussant

Ben Fitzhugh—Discussant

Margaret Nelson—Discussant

David Plaza—Discussant

Barbara Stark—Discussant

Joshua Watts—Discussant

James Wilde—Discussant

**[102] POSTER SESSION ■ BIOARCHAEOLOGY IN THE OLD WORLD**

**Room:** Ballroom F (ACC)

**Time:** 6:00 PM - 8:00 PM

**Participants:**

- 102-a Anna Waterman, Robert Tykot, Jonathan Thomas, David Peate and Katina Lillios—An investigation of human dietary and mobility patterns at the late Neolithic burials of Bolores (Torres Vedras, Portugal) using isotopic analyses
- 102-b Elizabeth Berger, Dong WEI and Hong ZHU—Caries calibration methods in a Bronze Age Inner Asia skeletal sample

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Thursday Evening, April 24

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- 102-c Emily Graff—The Bioarchaeology of Peripheral Populations within the Mycenaean World: Ancient Kallithea Laganidia Cemetery near Patras, Greece
- 102-d Stephanie Fuehr, Nicholas Herrmann, Kathryn Kulhavy and Anthi Batziou—Osteological Analysis and Regional Comparison of a Mycenaean Burial from the site of Pefkakia near Volos, Greece
- 102-e Brittany Jackson—Bioarchaeology, Nutrition, and Urban Food Systems in Roman Britain: A Rural Perspective
- 102-f Sharon DeWitte—The Aftermath of Catastrophic Mortality: Physiological Stress, Stature, and the Effects of the Black Death
- 102-g Ilona Kubátová, Patrik Galeta and Michael Benedetti—Modified Preservation Index for skeletal remains: Case study from the Medieval cemetery at the church of Saint Mari Magdaleny in Pilsen, Czech Republic
- 102-h Dorothy Riegert, Colene Knaub, Molly Roffers, Andre Gonciar and Zsolt Nyaradi—A Biocultural Analysis of Infant Burials Interred at Telekfalva
- 102-i Katie Whitmore, Toshia Dupras, Lana Williams, Rimantas Jankauskas and John Schultz—Eating like a Catholic?: The Use of Carbon and Nitrogen Isotope Analysis of Bone and Dentin Collagen from Medieval Alytus, Lithuania to Assess the Incorporation of Marine Resources

**[103] POSTER SESSION ■ BIOARCHAEOLOGY IN MESOAMERICA AND SOUTH AMERICA**

**Room:** Ballroom F (ACC)

**Time:** 6:00 PM - 8:00 PM

**Participants:**

- 103-a Ashley Jones, Robert J. Hard, Cynthia M. Munoz, Raymond P. Mauldin and Maria Elisa Villapando Canchola—Stable Carbon and Nitrogen Isotope Analysis from La Playa, Sonora, Mexico
- 103-b Heather Edgar, Corey Ragsdale and Emiliano Melgar—Origins of the offering skulls and skull masks of the Templo Mayor, Tenochtitlan: a biological and archaeological approach
- 103-c Amanda Winburn, Larisa DeSantis and Tiffiny Tung—3D dental microwear analysis of Maya elites from Cancún, Guatemala
- 103-d Lauren Springs and Sophia Mavroudias—Histological Analysis of Skeletal Remains at St. George's Caye, Belize
- 103-e Melanie Miller, Sabrina Agarwal and Carl Langebaek Rueda—Tracing Dietary Histories Through Stable Isotope Analysis: a case study from the Muiscas of Colombia, 1200-1550 AD
- 103-f Alyssa Bader and Izumi Shimada—An unusual late Middle Sicán sacrifice, Peru: An osteobiographical analysis
- 103-g Matthew Go—The Backbone of Moche Society: Spinal Degenerative Joint Disease and Its Utility in Reconstructing Prehistoric Moche Stratification
- 103-h Erika Rauscher, Shevan Wilkin and Danielle Kurin—Trauma and Trepanation in Highland Peru
- 103-i Shevan Wilkin, Taylor Rauscher and Danielle Kurin—A Bioarchaeological Analysis of Domestic Violence in Post-Imperial Peru
- 103-j Tiffiny Tung, Larisa DeSantis, Brendan Culleton and Douglas Kennett—Characterizing the Victims of Lethal Violence after the Collapse of the Wari Empire: Bioarchaeological and Isotopic Analysis of Massacre Victims at Huari, Peru
- 103-k Laura Van Voorhis and Valentina Martinez—Paleopathologies of Site 35 in Salango, Ecuador
- 103-l Anna Gurevitz and Danielle Kurin —Sexing commingled remains to evaluate mortuary organization: a case study from south-central Peru

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Thursday Evening, April 24

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**[104] POSTER SESSION ■ ARCHAEOLOGY OF SOUTH AMERICA****Room:** Ballroom F (ACC)**Time:** 6:00 PM - 8:00 PM**Participants:**

- 104-a Brittany Reneau and Valentina Martinez—Phosphate Analysis of Prehistoric Structures in Rio Blanco, Manabí, Ecuador
- 104-b Matthew Sitek and Abigail Levine—Building on Ancient Ground: excavations at a Formative Period mound and sunken court complex in the northern Lake Titicaca Basin
- 104-c Jean Hudson, Brian Billman and Jesús Briceño Rosario —Comparing Fishing Strategies on the North Coast of Peru: Gramalote and Cerro La Virgen
- 104-d Gabriela Cervantes—Residential Occupation in the Capital of the Sican State, Peru
- 104-e Brian McCray—Publicity, Pathways, and Production: Evaluating Regional Diversity in Settlement Patterning and Architecture in Northeastern Peru
- 104-f Julio Saldaña, Luis Jaime Castillo, Fernando Zvietcovich and Benjamin Castañeda—New approaches in the recording, analysis and interpretation of large ceramic Moche vessels: 3D techniques applied in the study of ritual practices on Peruvian North Coast.
- 104-g Kayeleigh Sharp and Melissa Litschi—E-data and the Gallinazo: Exploring the Past in the Technological Present
- 104-h Loren Teetelli, Alicia Boswell and Jesus Bricenoe—3-D Modeling of Area 3 at Cerro Huancha, Sinsicap Valley, Peru
- 104-i Andrea Thomas and Sonia Alconini—La Ruta del Spondylus: The Role of Spondylus Shell in the Rise of Socio-Political Complexity in the Andes
- 104-j Sebastian Warmlander, Vanessa Muros and David Scott—Characterization of some pre-Columbian gold wires from South America
- 104-k Lauren Kornegay Dollar—Evaluating Chronologies of Nasca Trophy Head Iconography
- 104-l James Treloar and David Chicoine—Early Horizon Fortified Settlements and Defensive Strategies in the Lower Napeña Valley, Peru
- 104-m Patrick Mullins—LIP Fortifications in the Moche Valley of Peru: New Perspectives
- 104-n Corey Bowen and Rebecca Bria—Access, Visibility, and Defense: GIS Approach to the Rise of Warfare in the Early Intermediate Andean Highlands
- 104-o Agustín Acevedo—Rock art at La Gruta locality (Patagonia, Argentina)
- 104-p Gustavo Barrientos, Juan Bautista Belardi, Flavia Carballo Marina and Patricia Campán—Connecting basins through plateaus: Late Holocene hunter-gatherer mobility and the circulation of goods in Southwestern Patagonia (Santa Cruz, Argentina)

**[105] POSTER SESSION ■ ANDEAN MORTUARY PRACTICES****Room:** Ballroom F (ACC)**Time:** 6:00 PM - 8:00 PM**Participants:**

- 105-a Airelle Cathers—The Nature of Household Burials During the Late Moche Period
- 105-b Jennifer Marla Toyne, Ismael Mejias Pitti, Jordi Puig Castell, Lori Epstein and Armando Anzellini—Going Vertical: Using Vertical Progression Techniques to Explore Complex Mortuary Spaces in Chachapoyas, Peru
- 105-c Shaina Molano and Rebecca Bria—Exploring Variation in Cranial Modification at Hualcayán, Ancash highlands, Peru
- 105-d Kate Norgon and Rebecca Bria—Identifying Mortuary Ritual and Ancestor

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Thursday Evening, April 24

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- 105-e Veneration: A Spatial Analysis of the Tombs at Hualcayán, Peru  
Jonathan Mavko, Rebecca Bria and Rachel Shea—Middle Horizon
- 105-f Mortuary Architecture and Social Organization at Hualcayán, Ancash, Peru  
Bryan Núñez Aparcana, Rebecca Bria and Elizabeth Cruzado—
- Celebrating Death: New Data on Recuay Mortuary Feasting Practices from Hualcayán (Ancash, Peru)
- 105-g Emily Sharp and Rebecca Bria—Cycles of Violence and Cultures of War: An Analysis of Cranial Trauma in Recuay and Wari-Era Tombs at Hualcayán
- 105-h Terrah Jones, Benjamin Nigra and Jacob Bongers—Paints, Dyes, and Ochers: Red Pigment Analysis from Late Chincha Valley Mortuary Contexts
- 105-i Adrienne Bryan and Rene Pilco Vargas—The Materiality of Death: Functional Materialism and the Kusikancha Burials

**[106] POSTER SESSION ■ NEW RESEARCH IN MEDIEVAL ARCHAEOLOGY**

**Room:** Ballroom F (ACC)

**Time:** 6:00 PM - 8:00 PM

**Chairs:** Ryan Lash and Elise Alonzi

**Participants:**

- 106-a Ryan Lash and Ian Kuijt—Mapping Ritual and Economic Communities in Early Medieval Connemara, Ireland.
- 106-b Charisse Carver—Frankish Ethnogenesis and Population History: A Bioarchaeological Perspective
- 106-c Ralph Patrello—Contact and communication in southern Gaul, 400-600: the ceramic evidence
- 106-d Elise Alonzi, Tommy Burke and Ryan Lash—Investigations at Saint Colman's Abbey: An early medieval Irish insular monastery

**[107] SYMPOSIUM ■ DIGITAL MODELLING AND ANALYSIS IN ARCHAEOLOGY**

**Room:** 18A (ACC)

**Time:** 6:00 PM - 8:00 PM

**Chairs:** Shawn Morton and Leah McCurdy

**Participants:**

- 6:00 Donald Sanders—Beyond Pretty Pictures: the benefits of virtual heritage
- 6:15 Maurizio Forte—New Perspectives in Cyber-Archaeology: Simulation and Immersive Environments
- 6:30 Anthony Masinton—It's junk until it matters: Building meaning from visualisation
- 6:45 Leah McCurdy—Virtual Architectural Energetics: An Innovative Digital Analysis
- 7:00 Kelsey Herndon, Brett A. Houk, Mark Willis and Chester P. Walker—The Structure from Motion Solution: Mapping Structure A-5 at Chan Chich, Belize
- 7:15 Mike Moloney—Modelling Shipboard Societies: an examination of the applicability of socio-spatial modelling to shipwrecks
- 7:30 Stephen Berquist and Alexei Vranich—Virtual Cusco
- 7:45 Mark Willis—Discussant

**[108] SYMPOSIUM ■ DYNAMICS OF TRADE AND SOCIOPOLITICAL DEVELOPMENT IN WEST AFRICA**

(Sponsored by Society of Africanist Archaeologists)

**Room:** 17A (ACC)

**Time:** 6:00 PM - 8:15 PM

**Chair:** Scott MacEachern

**Participants:**

- 6:00 Kevin MacDonald—Sorotomo (AD 1200-1500): Excavations at a Malian

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Thursday Evening, April 24

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- Center of Power  
 6:15 Sam Nixon—An architectural complex of the 12th-13th centuries AD from the eastern arc of the River Niger (Republic of Benin, West Africa).  
 6:30 Anne Compton—Trade Dynamics, Political Economies, and Household Variability: An Examination of Daily Life in the Bono Manso Region  
 6:45 William Gblerkpor and Kodzo Bright Gavua—Fortress of Power and Resilience: Krobo Hill, Ghana  
 7:00 Stephanie Wynne-Jones and Anne Haour—Precolonial African trade networks and the ‘Small World’ paradox  
 7:15 Kenneth Kelly—Entangled Traders: archaeological research at three 19th century slave trade localities on the Rio Pongo, Guinea, West Africa.  
 7:30 Kelly Goldberg—Applications of Metal Detection in Analysis of Illegal Slave Trade Sites in Nineteenth Century Guinea  
 7:45 Aribidesi Usman—Recent Archaeological work in the Niger-Benue Confluence, North Central Nigeria  
 8:00 Questions and Answers

**[109] GENERAL SESSION ■ EARLY PREHISTORY IN AFRICA**

**Room:** 10A (ACC)

**Time:** 6:00 PM - 8:15 PM

**Chair:** Grant McCall

**Participants:**

- 6:00 William Green—Museum Resources for North African Archaeology: The Collections of the Logan Museum of Anthropology  
 6:15 Naomi Cleghorn and Christopher Shelton—A new Stone Age site near the Knysna Eastern Heads, Western Cape, South Africa  
 6:30 Philip Slater—They Don’t Make Them Like They Used To: Point Production and Maintenance at the Middle Stone Age Site of Marmonet Drift, Kenya  
 6:45 Marvin Kay, Yonatan Sahle, John Kappelman and Larry Todd—Ethiopia MSA production chains early and late: Gademotta, Aduma, and Shifra  
 7:00 Britt Bousman, James Brink, Mark Bateman, Holly Meier and Daryl Codron—Middle and Later Stone Age occupations in the Modder River Valley, South Africa  
 7:15 Grant McCall, Theodore Marks and James Enloe—Update on the Middle and Later Stone Age Excavations at Erb Tanks, Namibia  
 7:30 Theodore Marks, Grant McCall, James Enloe and Jordan Krummel—Preliminary Report on New Excavations at Mirabib, a Middle and Later Stone Age Rockshelter in the Central Namib Desert, Namibia  
 7:45 Molly Palmison—A Preliminary Analysis of the Robberg Assemblage at Erfkroon  
 8:00 Reuven Yeshurun—Late Paleolithic Taphonomy and Subsistence in the Nile Valley: Faunal Remains from Kom Ombo (Egypt) and Wadi Halfa (Sudan)

**[110] SYMPOSIUM ■ VERNACULAR ARCHITECTURE OF THE PRE-COLUMBIAN AMERICAS**

**Room:** 17B (ACC)

**Time:** 6:00 PM - 8:30 PM

**Chairs:** Christina Halperin and Lauren E. Schwartz

**Participants:**

- 6:00 Kristin De Lucia—The Vernacular Architecture of Pre-Aztec Mexico: Household Organization and Social Construction in Early Postclassic Xaltocan, Mexico  
 6:15 Gregory Wilson and Brian Geiger—Conflict and Community: An

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**Thursday Evening, April 24**

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**Architectural Analysis of a Catastrophically Burned Mississippian Village  
in West-Central Illinois**

- 6:30 Anna Guengerich—Residential and Public Architecture from the Perspective of Monte Viudo, Chachapoyas, Peru
- 6:45 Christina Halperin—Vernacular and Monumental Maya Architecture: Discourses and Changes during the Classic to Postclassic (ca. A.D. 800-1200) Transition
- 7:00 Kellam Throgmorton and Ruth M. Van Dyke—Vernacular Architecture in the Chacoan World
- 7:15 Hendrik Van Gijseghem—The Social Life of Houses: Variability in Dynamics of Occupancy on the North and South Coasts of Peru
- 7:30 Lauren E. Schwartz—Vernacular Architecture of Southeast Mesoamerica: An Evaluation of Design Variations and Identity Expression from the Late and Terminal Classic Naco Valley, Honduras
- 7:45 Susan Alt—Building Cahokia: Transformation Through Tradition
- 8:00 Donna Nash—Discussant
- 8:15 Julia Hendon—Discussant

**[111] GENERAL SESSION ■ AMERICAN HISTORY**

**Room:** 14 (ACC)

**Time:** 6:00 PM - 8:15 PM

**Chair:** Kate McMahon

**Participants:**

- 6:00 Timothy Baumann, George Monaghan, Angie Krieger and Edward Herrmann—The German Ridge Project: living on the edge in the Hoosier National Forest of southern Indiana
- 6:15 James VanderVeen and Rebecca Gibson—There Is More Than Corn In Indiana: An Examination Of Gendered Artifacts From The Late 19th Century
- 6:30 Michael Meyer—The Early Years of St. Louis: Evidence Gathered at the Madam Haycraft (23SL2334) and Louis Beaudoin (23SL2369) Sites
- 6:45 Teresa Bulger—Changing the Parlor: Household Life-Cycles and Redefining the Home's Public Space
- 7:00 Julie Labate and Kevin Wiley —The Irish of the Upper West Side: An archaeology of Working-Class Irish in Nineteenth-Century New York City
- 7:15 Sarah Sportman—Medicine at the Mines: Worker Health and Medical Care at Hammondville, New York, 1873-1893
- 7:30 Kate McMahon—“A Sufficient Number”: The Historic African American Community of Peterborough in Warren, Maine
- 7:45 Paul Farnsworth—“San Francisco, the Irish heartland in the West”
- 8:00 Megan Springate—“Beware the Little Flaws That Make One Homely”: The Interplay of Intimacy, Sexuality, and Gender at an Early Twentieth Century Women’s Retreat

**[112] SYMPOSIUM ■ DINÁMICAS DE INTERACCIÓN EN PUEBLA-TLAXCALA**

**Room:** 16A (ACC)

**Time:** 6:00 PM - 8:45 PM

**Chairs:** Aurelio Lopez Corral, Maria Teresa Salomon Salazar and Mari Carmen Serra Puche

**Participants:**

- 6:00 Mari Carmen Serra Puche—Interacción entre Xochitecatl-Cacaxtla y el Valle de Puebla-Tlaxcala durante el periodo Formativo
- 6:15 Jennifer Carballo—Social interaction and variation in central Tlaxcala, Mexico: An analysis of ceramics from two early village societies

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Thursday Evening, April 24

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- 6:30 Ronald Castanzo—The central Valley of Puebla and the Formative Period Puebla-Tlaxcala cultural complex
- 6:45 Shigeru Kabata, Tatsuya Murakami, Julieta Margarita López J. and José Juan Chávez V.—Impacto Social del sitio Tlalancaleca en el Altiplano Central durante el Clásico temprano
- 7:00 Blas Castellon Huerta—Regional political strategies during the Classic: a view from Santo Nombre, Puebla
- 7:15 Juliette Testard—Nuevas identidades visuales en Cacaxtla-Xochitecatl, Cholula y Cantona: interacciones epiclásicas con Oriente mesoamericano.
- 7:30 Silvia Martinez and SERGIO SUAREZ—Cholula y Cacaxtla; ciudades hermanas?
- 7:45 Ruth Fauman-Fichman—Is it an absence of evidence or is there evidence of absence in dynamic interactions in Tlaxcala and Puebla?
- 8:00 Aurelio Lopez Corral and Ma. Teresa Salomón Salazar—El discurso político versus las esferas no elites: cambios en las dinámicas de interacción en el valle poblano-tlaxcalteca
- 8:15 Alejandro Uriarte Torres, Lane Fargher and Verenice Heredia Espinoza—The Cholula World View and Tlaxcallan in the Postclassic
- 8:30 Patricia Plunket—Discussant

**[113] SYMPOSIUM ■ ANIMALS IN ANCIENT NEW WORLD ECONOMY AND EXCHANGE**

**Room:** 13AB (ACC)

**Time:** 6:00 PM - 8:45 PM

**Chairs:** Erin Thornton and Marilyn Masson

**Participants:**

- 6:00 Paul Szpak, Jean-Francois Millaire, Christine White and Fred Longstaffe—Camelid Husbandry Practices and Textile Exchange in Northern Peru
- 6:15 Erin Thornton and Kitty Emery—Ancient Maya Turkey Husbandry and Exchange: A Multi-Proxy Approach
- 6:30 Marilyn Masson—Shell Money Through Time in the Maya Area
- 6:45 Ashley Sharpe—Evidence of Preclassic Long-distance Trade at the Maya site of Ceibal, Guatemala
- 7:00 Petra Cunningham-Smith and Elizabeth Graham—Trade Winds: Animal Use and Exchange at the Ancient Maya Sites of Marco Gonzalez and San Pedro, Belize
- 7:15 Brandon McIntosh—The Archaeofauna of Isla Cívilituk: Socioeconomic Niche Construction in a Lowland Maya Lacustrine Environment
- 7:30 Yajaira Núñez-Cortés—“Fire God’s Animal”: Dogs from Mayapan
- 7:45 Sarah Heins—Craft Bone Toolmaking at Post-Classic Mayapán
- 8:00 Michelle LeFebvre, Christina Giovas, Susan deFrance, John Krigbaum and Scott Fitzpatrick—Mammals on the Move: The Zooarchaeology of Pre-Columbian Circum-Caribbean Interactions and Economy
- 8:15 Aletheia Bouknight and Andrew Duff—Faunal Circulation in Three Chacoan Great House Communities
- 8:30 Megan Conger and Adam Watson—Species Diversity, Standardization, and the Spatial Organization of Production at Pueblo Bonito: A Case Study from Chaco Canyon

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Thursday Evening, April 24

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**[114] SYMPOSIUM ■ GEOARCHAEOLOGY'S CONTRIBUTION TO  
UNDERSTANDING THE PREHISTORY OF THE AMERICAS BEFORE CLOVIS**

(Sponsored by Geoarchaeology Interest Group)

**Room:** 11AB (ACC)

**Time:** 6:00 PM - 8:45 PM

**Chairs:** Ian Buvit and Michael Waters

**Participants:**

- 6:00 Ian Buvit—Geoarchaeology and the Search for the First Americans  
6:15 Steven Driese, Lee Nordt and Michael Waters—Analysis of site formation history and potential disturbance of stratigraphic context in Vertisols at the Debra L. Friedkin archaeological site in central Texas, USA  
6:30 Darrin Lowery—Geoarchaeology and Paleo-American Prehistory: The Middle Atlantic Delmarva Peninsula Data  
6:45 Jessi Halligan—Geoarchaeological Interpretations of Reported pre-Clovis Components in the Aucilla River, Florida  
7:00 Leslie Davis, Christopher Hill and Kathryn Krasinski —Geoarchaeological evidence for a pre-clovis mammoth locality near Lindsay, Montana  
7:15 James Chatters, Dominique Rissolo, Pilar Luna Erreguerena and Alberto Nava Blank—Establishing the Chronology of an Association between a Human and Pleistocene Megafauna in Hoyo Negro, a Submerged Cave on the Yucatan Peninsula  
7:30 Masami Izuhara—Current Older-than-Clovis Debate in the Context of Upper Paleolithic Prehistory in Northeast Asia  
7:45 Questions and Answers  
8:00 Michael Waters—Discussant  
8:15 James Adovasio—Discussant  
8:30 Christopher Hill—Discussant

**[115] SYMPOSIUM ■ THE “CHILD” IS NOW 25: RECENT RESEARCH INTO  
THE IDENTIFICATION OF CHILDREN IN THE ARCHAEOLOGICAL RECORD  
AND THE DEVELOPMENT OF ASSOCIATED THEORETICAL  
PERSPECTIVES**

**Room:** 10B (ACC)

**Time:** 6:00 PM - 8:45 PM

**Chairs:** Geoffrey Cunnar and Anders Höglberg

**Participants:**

- 6:00 Grete Lillehammer—25 years with the “child” and the archaeology of childhood  
6:15 Carol Ember—Reconstructions of Child Labor: A Cross-Cultural Consideration of Children's Labor Activities  
6:30 Geoffrey Cunnar—Applying Gumbrecht's concept of latency to understanding our non-understanding of the archaeological signature of the child's “world” at prehistoric camp sites in the Great Basin.  
6:45 April Nowell—Growing up in the Pleistocene: Neandertal children and the evolution of play behavior  
7:00 Anders Höglberg—Children and the materiality of social learning within the evolution of mankind and behavioural modernity  
7:15 Christiane Cunnar—Children's activities and the context of learning of skills: using HRAF's ethnographic database to inform on spatial recognition of learning activities in the archaeological record  
7:30 Brooke Milne, Robert Park, Douglas Stenton and Mostafa Fayek—Novice Flint Knapping, Seasonal Mobility, and Palaeo-Eskimo Lithic Raw Material Acquisition in the Interior of Southern Baffin Island, Nunavut, Canada

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Thursday Evening, April 24

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- 7:45 Edward Stoner—Lost in the Data: A Reassessment of the Presence of Children at Quarry, Heat Treatment, and Projectile Point Manufacturing Sites in White Pine County, Nevada
- 8:00 Leslie Van Gelder—The Role of Children in the Production of Finger Flutings in Four Upper Paleolithic Caves
- 8:15 Nyree Finlay—Kid-knapped Knowledge: emergent sociality and stories of skill and stone
- 8:30 Kathryn Kamp—Discussant

**[116] SYMPOSIUM ■ THE CABEÇO DA AMOREIRA MUGE SHELLMIDDEN: COASTAL ADAPTATIONS AND THE ORIGIN OF SOCIAL INEQUALITY**  
Room: 15 (ACC)  
Time: 6:00 PM - 9:00 PM  
Chair: Nuno Bicho

**Participants:**

- 6:00 Vera Aldeias—A micromorphological perspective on shell midden formation: the case of the Mesolithic site of Cabeço da Amoreira
- 6:15 Lawrence Conyers—Ground-penetrating Radar Mapping of the Muge Shell Mound, Portugal
- 6:30 Cláudia Umbelino, Célia Gonçalves, Olívia Figueiredo, Eugénia Cunha and Nuno Bicho—Health and diet in the Late Mesolithic: a paleobiological perspective through the analysis of the human skeletons retrieved from the Cabeço da Amoreira recent excavations
- 6:45 Olívia Figueiredo, Nuno Bicho and Cláudia Umbelino—Bones don't lie: approaches to the social dimension of the mortuary practices at Cabeço da Amoreira (Muge shellmiddens, Central Portugal)
- 7:00 Rita Dupont De Sousa Dias, Cleia Detry and Nuno Bicho—Small vertebrate Zooarchaeology of Muge: Preliminary results on subsistence, seasonality and social complexity
- 7:15 Marina Évora—Antler and Mammal bones as tools: osseous technology in Cabeço da Amoreira shellmidden (Muge, Portugal)
- 7:30 Telmo Pereira, Nuno Bicho, João Cascalheira, João Marreiros and Célia Gonçalves—Testing the impact of coastal environments in social inequality through lithic raw materials
- 7:45 João Cascalheira, Eduardo Paixao and Nuno Bicho—On the border: the lithic assemblages from the Trench area of Cabeço da Amoreira shellmidden (Central Portugal)
- 8:00 Eduardo Paixão, João Cascalheira, João Marreiros, Telmo Pereira and Nuno Bicho—Technological approaches to stone tool production: The case of layer 2 of Mesolithic Shelmiddens of Cabeço da Amoreira, Muge (Portugal).
- 8:15 Joao Marreiros, Eduardo Paixao, Nuno Bicho and Juan Gibaja—Living and hunting during the Mesolithic. Lithic functional analysis from the Cabeço da Amoreira shellmidden (Muge, Portugal)
- 8:30 Celia Goncalves, Joao Cascalheira, Rita Dias, Patricia Monteiro and Eduardo Paixao—Piece by Piece: GIS Spatial Analysis at Cabeço da Amoreira, a Mesolithic Shellmidden in Central Portugal
- 8:45 Patricia Monteiro, Lydia Zapata and Nuno Bicho—Gathering and wood exploitation in Cabeço da Amoreira (Muge shellmiddens): new methods and data from charcoal analyses

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Thursday Evening, April 24

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**[117] SYMPOSIUM ■ DIRT AND SCIENCE IN THE AGE OF COMPLIANCE:  
RECONFIGURING GEOARCHAEOLOGY FOR APPLIED CONTEXTS**

(Sponsored by Geoarchaeological Interest Group)

**Room:** 19A (ACC)

**Time:** 6:00 PM - 9:00 PM

**Chairs:** Howard Cyr and Joseph Schuldenrein

**Participants:**

- 6:00 Rolfe Mandel—The Co-Evolution of Geoarchaeology and Cultural Resource Management (CRM): A Great Plains Perspective
- 6:15 Krista Gilliland, Elizabeth Robertson, Terrance Gibson, Peggy McKeand and Jim Finnigan—Keeping the 'Truth' in Ground-truthing: The roles of stratigraphy and near-surface geophysics in detecting buried earthworks at the Fort Denison site near Humboldt, Saskatchewan
- 6:30 Helen Lewis— The Celtic Tiger and underdeveloped geoarchaeology in Ireland: issues arising from skewed applications in CRM
- 6:45 Daniel Brock, Howard Cyr and Stephen Yerka—Practical Solutions to Managing Cultural Resources: The Benefits of Multidisciplinary Approaches as an Alternative to Standard Investigative Techniques.
- 7:00 Eva Hulse, Joseph Schuldenrein and Rona Winter-Livneh—Geoarchaeology of urban sediments and soils
- 7:15 Danny Gregory—Soil Drainage, Roads, and Predictive Modeling: Mapping Site Probability on the North Carolina Coast
- 7:30 Mark Elson and Mary Ownby—Dating the Volcano to Sourcing the Ceramics: Geoarchaeology at Desert Archaeology, Inc.
- 7:45 Andrea Freeman—Lessons from (the) Desert: Applying Geoarchaeology on Canadian Soil
- 8:00 Michele Punke—The Application of Geoarchaeology to the Practice of Cultural Resource Management in the Pacific Northwest: Small Discoveries and Large Implications
- 8:15 Howard Cyr, Mark Bush, Kandace Hollenbach, Steve Rabbysmith and Jeff Gardner—The Role of Geoarchaeology in an Interdisciplinary Examination of Tree Island Sites, South Florida Water Management District and Everglades National Park, Florida
- 8:30 Tiffany Fulkerson, Jerry R. Galm , Stan Gough and Fred Nials —CRM and geoarchaeology at the Sentinel Gap site (45KT1362)
- 8:45 Gary Huckleberry—Discussant

**[118] SYMPOSIUM ■ MODES OF PRODUCTION AND ARCHAEOLOGY**

**Room:** Ballroom G (ACC)

**Time:** 6:00 PM - 9:00 PM

**Chair:** Robert Rosenswig

**Participants:**

- 6:00 Robert Rosenswig— Tributary Mode of Production and Justifying Ideologies
- 6:15 Jeremy Cunningham—The Ritual Mode of Production in the Casas Grandes Regional System
- 6:30 Charles Orser—The Capitalist Mode of Production and the Postcolonial Project
- 6:45 Thomas Patterson—Modes of Production in Southern California at the End of the Eighteenth Century
- 7:00 Bradley Ensor—Modes, Classes, Gender, and Agency
- 7:15 Daniel Sayers—Modes of Production and the Resuscitation of Historical Praxis
- 7:30 Johan Ling and Kristian Kristiansen —Comparative advantage as mode of production in Bronze Age temperate Europe.

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Thursday Evening, April 24

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- 7:45 James Delle—The Contradictions of Slavery in Colonial Jamaica's Plantation Mode of Production  
8:00 Guillermo Acosta—Early agriculture modes of production in Mesoamerica: New insights from central and southern Mexico  
8:15 Ivan Briz I Godino and Myrian Álvarez—Production and Consumption: Theory, Methodology, and Lithic Analysis  
8:30 Randall McGuire—Discussant  
8:45 Questions and Answers

**[119] SYMPOSIUM ■ SEEING NATIVE PEOPLE IN THE MISSIONIZED AREAS OF WESTERN NORTH AMERICA**

**Room:** Ballroom E (ACC)

**Time:** 6:00 PM - 9:00 PM

**Chairs:** Lee Panich and Nicole Mathwich

**Participants:**

- 6:00 Tamra Walter—Native Homelands and Foreign Frontiers: Re-examining Native and Spanish Interaction in the South Texas Missions  
6:15 Steve Tomka—Identifying Change among Texas Mission Indians as Reflected in the Written and Material Record  
6:30 Susan Snow and Paul Ringenbach—The Modern Cultural Landscape of the San Antonio Missions: How does it Reflect the People of the Missions?  
6:45 Barnet Pavao-Zuckerman, J. Homer Thiel and Jeremy Moss—The Joy of Archaeology at the Mission of Sorrows: Investigations at Mission Los Santos Ángeles de Guevavi  
7:00 Nicole Mathwich—Ranching in Native Cultural Landscapes: Preliminary Faunal Analysis from Mission Guevavi  
7:15 John Dietler, Benjamin Vargas and Jim Potter—Parece Razón: Evidence for Native Americans at Mission San Gabriel, California  
7:30 Chelsea Blackmore, Sarah Peelo and Lauren Wysham—“Empty” Spaces and Indigenous Visibility: Preliminary Research at Mission San Antonio de Padua  
7:45 Emily Root-Garey—The Intersections of Men and Power at the Alta California Missions  
8:00 Ben Curry—The Life and Times of Lorazan Asisara: An analysis of Mission Demographics in Comparison to the Testimony of a Santa Cruz Indian  
8:15 Tsim Schneider and Lee Panich—Spanish Missions within California’s Indigenous Landscapes  
8:30 Alan Leventhal, Les Field and Rosemary Cambra—The Politics of Erasure, Nominative Cartography, and the Muwekma Ohlone Tribe’s Reclamation of their Ancestral Heritage Sites  
8:45 Questions and Answers

**[120] SYMPOSIUM ■ PROCESSIONAL RITUALS IN THE AMERICAS**

**Room:** 18C (ACC)

**Time:** 6:00 PM - 9:00 PM

**Chairs:** Susan Evans and Stella Nair

**Participants:**

- 6:00 Zoila Mendoza—Contemporary Indigenous Pilgrimage: An Approach to the Andean Sensory Model  
6:15 Jean-Pierre Protzen—Pilgrimages to Pachacamac and Titicaca in Inca Times  
6:30 Susan Evans—Teotihuacan Water Worship and Processional Space  
6:45 Lucia Henderson and Barbara Arroyo—The Life Aquatic: The Archaeology and Iconography of Water at Kaminaljuyú, Guatemala  
7:00 John Janusek—Discussant

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Thursday Evening, April 24

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- 7:15 Stella Nair—Extraordinary Spaces: Thupa' Inka and the Architecture of Royal Theater  
7:30 Timothy Sullivan—The Spectacular Polity: The Evolution of Ceremonial Practice and Political Authority from the Middle Formative through Late Formative Periods in the Chiapas Central Depression, Chiapas, Mexico.  
7:45 Elizabeth Jimenez and Robert Cobean—Ritual Processions in Ancient Tollan: The Legacy in Stone  
8:00 Victoria Lyall—Painted Performances in Northern Maya Mural Painting  
8:15 Juliet Wiersema—Ritual Processions and Sacred Space on Moche Fine Ware Vessels  
8:30 Jerry Moore—Discussant  
8:45 Questions and Answers

**[121] SYMPOSIUM ■ PROVINCIAL USES OF INKA MATERIAL CULTURE**

**Room:** 18B (ACC)

**Time:** 6:00 PM - 9:00 PM

**Chairs:** Colleen Zori and Sofia Chacaltana

**Participants:**

- 6:00 Dennis Ogburn—Inca Things and Local Audiences: Adopting Elements of Imperial Material Culture at the Local Level  
6:15 Tamara Bray—Imperial Things: Assembling a New Social Order  
6:30 Amanda Aland—The Inka in the Chao Valley, North Coast of Peru  
6:45 Ancira Emily Baca Marroquin and Patrick Ryan Williams—Imperial and Local Pottery in the Chincha Suyu: Examining Provincial Economy through Ceramic Distribution and Consumption Patterns in the South Central Coast, Perú  
7:00 Sofia Chacaltana—Material Culture in Coastal Chullpas from Tacahuay Tambo / Pueblo  
7:15 Colleen Zori—Local Toasts in Imperial Cups: Inka Queros in the Provinces  
7:30 Mauricio Uribe—La cerámica incaica del norte de Chile: actualización y perspectivas  
7:45 Gabriel Cantarutti—Inka Style Materials in a Provincial Mining Setting: Evidence from Los Infieles, North-Central Chile.  
8:00 Sonia Alconini—Ritual Banquets and Sacred Sounds in the Southern Andes: The Yamparas and the Inka  
8:15 Ronald Covey and Kylie Quave—Inka State Canons in Local Communities in the Imperial Heartland (Cusco, Peru)  
8:30 Steve Kosiba—By this Standard: Materiality and Social Difference in the Inka Heartland  
8:45 Mary Van Buren, Erin Parsons and Brendan Weaver—Provincial Inka Ceramics after the Spanish Conquest

**[122] SYMPOSIUM ■ THE EPHEMERAL, SENSED PAST: ARCHAEOLOGICAL APPROACHES TO SOUND AND HUMAN EXPERIENCE**

**Room:** 9B (ACC)

**Time:** 6:00 PM - 9:15 PM

**Chairs:** Dianne Scullin and Miriam Kolar

**Participants:**

- 6:00 David Lubman—Sound as Artifact  
6:15 Matthias Stöckli—References to Sound in the Rabinal Achi, Guatemala  
6:30 Francisca Zalaquett—Sounds and Rituals in Action: Prehispanic Maya Musical Instruments  
6:45 Mark Howell—Instrument Morphology and Cultural Preferences

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Thursday Evening, April 24

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- 7:00 Elizabeth Blake and Ian Cross—Sound and Music in Archaeological Contexts: The Lithoacoustics Project  
7:15 Dianne Scullin—Moche Use of Multi-Media at Huaca de la Luna  
7:30 Chris Scarre—Cave art acoustics: the role of sound in the painted caves of northern Spain  
7:45 Steven Waller—Pipers' Stones: Archaeoacoustic Evidence Connecting Music and Megaliths  
8:00 Miriam Kolar—Archaeological Psychoacoustics and Auralizations: Theoretical Concerns; Practical Examples  
8:15 Rupert Till—Cave Art Soundscapes: Experimental Music Archaeology in the Painted Caves of Northern Spain  
8:30 Jeff Benjamin—The Resonance of the Industrial Past  
8:45 Steven Feld—Discussant  
9:00 Questions and Answers

**[123] SYMPOSIUM ■ INVESTIGATIONS IN THE LAND OF CHOCOLATE AND HONEY: RECENT ARCHAEOLOGICAL RESEARCH ON CHETUMAL BAY**

**Room:** 18D (ACC)

**Time:** 6:00 PM - 9:15 PM

**Chair:** Debra Walker

**Participants:**

- 6:00 Robin Robertson—Cerro Maya Ceramics Revisited  
6:15 Jeffrey Vadala—Monumentalizing Solar Zenith Events at Cerro Maya, Belize  
6:30 Lisa Duffy—The Right Tools for the Job: The Manos and Metates of Cerro Maya, Belize  
6:45 Debra Walker—Life and Afterlife at Cerro Maya, Belize  
7:00 Samantha Krause, Thomas Guderjan, Sheryl Luzzadder-Beach and Timothy Beach—Visualizing Maya Agriculture Along the Rio Hondo: a Remote Sensing Approach  
7:15 Linda Howie, Terry Powis and Elizabeth Graham—Sitting on the Dock of the Bay: Ceramic Connections between Lamanai and the Chetumal Bay Area over More Than Two Millennia  
7:30 Hortensia De Vega and EMILIANO MELGAR—Oxtankah: A Seafaring Town  
7:45 Josalyn Ferguson—The Allure of the Regional Hinterlands of the Land of Chocolate and Honey: Terminal Classic Population Movements and Resettlement in the Progresso Lagoon Region of Northern Belize  
8:00 Jim Aimers, Elizabeth Haussner and Thomas Guderjan—An Expedient Pottery Technology and Its Implications for Ancient Maya Trade and Interaction  
8:15 Marc Marino, Lucas Martindale Johnson and Nathan Meissner—"Producer-Consumer" Revisited: A Postclassic View of Stone Tool Production from Santa Rita Corozal, Belize  
8:30 Susan Milbrath, Debra Walker and Ron Bishop—Workshops for Postclassic Effigy Censers in the Chetumal Bay area  
8:45 Kathryn Reese-Taylor—Discussant  
9:00 Heather McKillop—Discussant

**[124] SYMPOSIUM ■ ARCHAEOLOGIES OF LAND-USE: METHODOLOGICAL AND CONCEPTUAL ADVANCES**

**Room:** 16B (ACC)

**Time:** 6:00 PM - 9:15 PM

**Chairs:** Andrew Bauer, Brad Chase and David Meiggs

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Thursday Evening, April 24

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**Participants:**

- 6:00 Andrew Bauer—Land Use, Social Landscapes, and Trajectories of Change: Examples from Early South India
- 6:15 Elizabeth Arnold and Stanley H. Ambrose—Regional mobility of domestic herds and their implication for understanding land use in the Early Iron Age of southeastern Africa.
- 6:30 Jesse Casana—Landscape Phenology, Climate Variability and Agricultural Sustainability in the Northern Fertile Crescent: Insights from Regional-Scale Satellite Remote Sensing
- 6:45 Brad Chase, David Meiggs and P. Ajithprasad—Pastoral land-use of the Indus Civilization in Gujarat: new findings from biogenic isotopes and faunal analyses
- 7:00 Omur Harmansah—Place, politics and local knowledge: Methodological lessons from Yalburt Landscape Survey
- 7:15 Carrie Hritz—Shifting land use: the role and impact of ecological diversity in ancient Mesopotamian landscapes.
- 7:30 William Middleton, Arthur Joyce, Michelle Goman, David Messinger and Kelly Canham—Satellite Paleoecology in Oaxaca, Mexico: Assessing Potential Productivity of the Prehispanic Landscape
- 7:45 Christopher Morehart and John Millhauser—Evaluating Representational Perspectives of Landscape and Adjusting the Historical Gaze of the Basin of Mexico
- 8:00 Laura Popova—Very Local Vegetation Histories: Analyzing Pollen Signatures from a Wet Forest Hollow in the Ural Mountain Foothills
- 8:15 Isaac Shearn and Mark Hauser—Discerning changes in Dominican land use through GIS
- 8:30 T. Thurston—Land hunger, pioneering, and livelihood: colonization, abandonment and reoccupation in a marginal Swedish upland
- 8:45 Carole Crumley—Discussant
- 9:00 Kathleen Morrison—Discussant

**[125] SYMPOSIUM ■ NAVY ARCHAEOLOGY: RECENT RESEARCH AND CRITICAL PERSPECTIVES****Room:** 10C (ACC)**Time:** 6:00 PM - 9:15 PM**Chair:** Jeff Irwin**Participants:**

- 6:00 Andrew Ugan and Jeff Rosenthal—Planorbids, People, and Paleolakes: Freshwater Molluscs and their Implications for Late Pleistocene and Early Holocene Human Occupation
- 6:15 Vickie Clay, Craig Young and Robin Michel—Environmental Archaeology in the Western Carson Lake Basin, NAS Fallon, Nevada
- 6:30 Jessica Herlich—The Kiskiak Site and Paleoethnobotany: A Multi-linear Approach to Environmental and Social Dynamics in Tidewater Virginia
- 6:45 Shannon Mahoney—Post-Emancipation Community Building at Charles' Corner in Tidewater Virginia From 1862-1922
- 7:00 Steve RabbySmith, Carrie Williams and Kad Henderson—Archaeological investigations at the Barrancas Site, 8ES1354: American Period Occupation and Use during the Nineteenth Century.
- 7:15 April Watson—Recent Investigations at Guantanamo Bay, Cuba
- 7:30 Bruce Larson and Jeff Irwin—Reconnaissance Survey in Djibouti: Evidence of Coastal Occupations in the Horn of Africa

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Thursday Evening, April 24

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- 7:45 Susan Hughes, David Grant, Jennifer Gilpin and Brandy Rinck—The Cattail Creek Site: Digging Through Shell Midden and Navy Process  
 8:00 George Herbst and Jimmie Collins—Invisible Landscapes: Considering the Significance and Management Needs of Non-site Archaeological Patterning  
 8:15 Andrew Yatsko—Managing High Densities of Archaeological Sites on San Clemente Island through Programmatic Compliance and Modeling  
 8:30 Robert Neyland and Alexis Catsambis—Management and Research of US Navy Sunken Military Craft by Naval History & Heritage Command  
 8:45 Bruce Larson—Discussant  
 9:00 Andrew Yatsko—Discussant

**[126] SYMPOSIUM ■ THE EMBODIED POLITICS OF INEQUALITY AND PAIN: CASE STUDIES FROM BIOARCHAEOLOGY**

**Room:** 12AB (ACC)

**Time:** 6:00 PM - 9:30 PM

**Chairs:** John Crandall and Debra Martin

**Participants:**

- 6:00 John Crandall and Debra Martin—Inscribed, Embedded and Embodied: Envisioning a Bioarchaeology of Inequality, Vulnerability and Pain  
 6:15 Ekaterina Pechenkina, Wenquan Fan and Xiaolin Ma—Bioarchaeological Perspectives on Social Status in Early China  
 6:30 Pamela Stone—Maternal Health: The Pelvis and Embodied Social and Political Stress  
 6:45 Ryan Harrod—Embodiments of Conflict and Cooperation: A Biocultural Analysis of Violence and Social Inequality in the Ancient U.S. Southwest  
 7:00 John Robb—Retheorising inequality and the body  
 7:15 Lori Wright—Disability, Compassion and the Past — Thoughts from my Wheelchair  
 7:30 William Walker—Discussant  
 7:45 Questions and Answers  
 8:00 Carlina De La Cova—Controlled Lives, Impoverished Deaths: The biological stresses of institutionalization  
 8:15 Jennifer Muller—Born into poverty: the short lives of the destitute, diseased, and starving infants of the Erie County Poorhouse  
 8:30 Rachel Watkins—The Embodiment of Inequality: Osteobiographies from the Cobb Human Archive  
 8:45 Molly Zuckerman, Nicholas Herrmann, Amber Plemons, Michael Murphy and Derek Anderson—Institutionalized lives, institutionalized bodies: preliminary data from excavations at the 'Mississippi State Lunatic Asylum' (1855-1935), Jackson, MS.  
 9:00 Kenneth Nystrom—Embodied inequality: Race, class and anatomy in 19th-20th century United States  
 9:15 Rosemary Joyce—Discussant

**[127] SYMPOSIUM ■ STEPPING AWAY FROM GRAND NARRATIVES: QUOTIDIAN EVENTS IN THE ARCHAEOLOGY OF THE EASTERN MEDITERRANEAN**

**Room:** Ballroom B (ACC)

**Time:** 6:00 PM - 9:30 PM

**Chairs:** Ian Jones and Kathleen Bennallack

**Participants:**

- 6:00 Thomas Gallant—An Historical Archaeology of Everyday Life on a Greek

Thursday Evening, April 24

- Island: Andros, 16th-19th Centuries CE  
 6:15 Ian Jones, Mohammad Najjar and Thomas Levy—Outdoor Miners: The Last Day of Work at a Medieval Copper Producing Village in Southern Jordan  
 6:30 Alan Farahani—From Site Formation Processes to Forming Site Practices: Using Multiple Complementary Data Sets to Identify Long-term Changes in Everyday Depositional Practice at Dhiban, Jordan, 500 CE – 1400 CE  
 6:45 Jacob Ashkenazi—‘Ravens that fed Elijah Cry to us: “Leave the ploughs”! (Isaac of Antioch) Rural monasticism in Late Antique Levant – Literary and archaeological reflections  
 7:00 Mordechai Aviam—First Century Galilean Entrepreneurs  
 7:15 Monique Vincent—Last Moments at ‘Umayri: Daily Life in Early Iron Age Transjordan  
 7:30 Elizabeth Lang—“Our Daily Bread:” Modeling Day-to-Day Household Food Production and Consumption in Ancient Egypt  
 7:45 A Bernard Knapp—Seafaring and Seafarers: Quotidian Events and Centennial Patterns on Bronze Age Cyprus  
 8:00 Susan Cohen—The uses (and abuses) of the Beni Hasan tomb painting for the archaeology of Middle Bronze Age Palestine  
 8:15 Kathleen Bennallack, Thomas Levy and Mohammad Najjar—Preliminary Excavation at Wadi Fidan 61: A Multi-Period Neolithic Site in Faynan, Southern Jordan  
 8:30 Elisha Van Den Bos—(Re)building histories: House replacement and intergenerational strategy in the Neolithic of Western Anatolia and the Southern Balkans  
 8:45 Margaret Schoeninger, Kristen Hallin and Henry Schwarcz—Paleoclimate during Neandertal and Anatomically Modern Human Occupations in Israel: The Stable Isotope Data  
 9:00 Questions and Answers  
 9:15 Kathleen Bennallack—Discussant

- [128] SYMPOSIUM ■ BOUNDARIES, FRONTIERS, AND NETWORKS:  
 SOCIO-CULTURAL INTERACTION IN LOWLAND MAYA CIVILIZATION**  
**Room:** Ballroom C (ACC)  
**Time:** 6:00 PM - 10:00 PM  
**Chairs:** Arthur Demarest, David Freidel and Patricia Urban

**Participants:**

- 6:00 Brent Woodfill—Salinas de los Nueve Cerros: Production and Exchange at the Nexus of the Maya Highlands, Southern Lowlands, and Chiapas  
 6:15 Takeshi Inomata—Interaction Between the Maya Lowlands and the Isthmian Region During the Middle Preclassic Period  
 6:30 Christopher von Nagy, Eliseo F. Padilla Gutiérrez and Mary D. Pohl—Entwined Communities and Enmeshed Polities: La Venta and the Middle Formative Greater Tabasco Plain Region  
 6:45 William Fash—A Kingdom on the Edge: New Research on Boundary Maintenance and Ethnic Diversity in Ancient Copan  
 7:00 Cassandra Bell, Ellen Bell and Marcello Canuto—Multiple Material Discourses on the Southeast Maya Frontier: Indexing Interaction and Identity through Material Culture in the El Paraíso Valley, Western Honduras  
 7:15 Patricia Urban and Edward Schortman—Whose “Border”, Whose “Periphery”? Looking at the Maya World from Southeast Mesoamerica  
 7:30 Howard Earnest and Kathryn Sampeck—Late Classic to Late Postclassic Political and Ethnic Boundaries in Western El Salvador: Maya-Pipil Dynamics

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Thursday Evening, April 24

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- and Routes of Exchange  
7:45 Ronald Bishop—Frontiers and Boundaries: a View from the Western Maya Lowlands  
8:00 Socorro Jimenez, Ronald L. Bishop and Erin Sears—Fluid Boundaries and Shifting Frontiers: Reflections of the Middle Usumacinta  
8:15 Marcie Venter and Christopher Pool—Late Classic Boundary Interactions in the Southern Gulf Lowlands  
8:30 Arthur Demarest—Boundaries and Networks of Interaction on the Highland/Lowland “Frontier” of Classic Maya Civilization: Evidence and Interpretations from Cancuen and the Verapaz Highland Region  
8:45 David Freidel and Mary Jane Acuña—Frontier Centers and Salient Centers in the Late Preclassic Maya Lowlands  
9:00 Andrew Scherer and Charles Golden—Border-Building and Territory-Taking in the Usumacinta River Basin  
9:15 Gyles Iannone—Discussant  
9:30 Edward Schortman—Discussant  
9:45 David Freidel—Discussant

**[129] GENERAL SESSION ■ BRAZIL AND AMAZONIA**

**Room:** 8A (ACC)

**Time:** 8:15 PM - 9:30 PM

**Chair:** William Barse

**Participants:**

- 8:15 William Barse—Genetic Stratigraphy, Paleosols and Orinocan Archeology  
8:30 Daniela Klokler—Fishing for “Lucky Stones”: Presence of Otoliths in Brazilian Shell Mound Sites  
8:45 Paulo DeBlasis, Andreas Kneip and Deisi Farias—Old Traditions and New Kids on the Block: Enduring Patterns of Funerary Architecture in the Southern Brazilian Shores  
9:00 Francisco Antonio Pugliese, Eduardo Góes Neves and Guilherme Mongeló—Exploration, Mapping and Excavation of the Fluvial Shellmounds of the Guaporé Basin, Southwestern Amazonia  
9:15 Fernanda Neubauer and Nam C. Kim—Tupinambá Practices of Warfare, Revenge, and Cannibalism in 16th Century Brazil

**[130] GENERAL SESSION ■ POLITICS, POWER, AND COSMOLOGY IN THE MESOAMERICAN LANDSCAPE**

**Room:** 9C (ACC)

**Time:** 8:15 PM - 9:45 PM

**Chair:** Lane Fargher

**Participants:**

- 8:15 Lane Fargher, Verenice Heredia Espinoza and Alejandro Uriarte Torres—Collective Action, Intermediate Sociospatial Units, and Urban Organization in Pre-Hispanic Mesoamerica: An Interregional Cross-Scale Comparison  
8:30 Kendall Hills—Place-Making at Minanha: A Contextual Analysis of Epicentral Material Culture  
8:45 Tatiana Young—Ball Courts and Political Organization during the Terminal Classic in the Coahuah Region, Quintana Roo, Mexico  
9:00 Caitlin Earley—Tallest Mountain, Deepest Lake: Cosmology and Landscape in Maya Centers of the Comitán Valley, Chiapas, Mexico  
9:15 Claudia Garcia-Des Lauriers—Beyond the Strategic: Cerro Bernal and Los Horcones as a Sacred Landscape

Thursday Evening, April 24

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- 9:30 Jeff Kowalski—Creation, Renewal Ritual, and Political Authority: Messages in the Mosaic Facades of the Nunnery Quadrangle at Uxmal

**[131] GENERAL SESSION ■ ALASKA DURING THE PLEISTOCENE**

**Room:** 9A (ACC)

**Time:** 8:30 PM - 9:15 PM

**Chair:** Kelly Monteleone

**Participants:**

- 8:30 Heather Smith—An investigation of the origin of Alaskan fluted points and their role in the early settlement of Beringia and the Americas
- 8:45 Kelly Monteleone and E. James Dixon—GIS modeling for Underwater Paleoindian Age Archaeology Sites in SE Alaska
- 9:00 Angela Gore and Kelly Graf—Eastern Beringian Toolstone Procurement and Selection: A Case Study from the Nenana Valley

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Friday Morning, April 25

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**Friday Morning ■ April 25, 2014**

**[132] GENERAL SESSION ■ HUMAN BEHAVIORAL ECOLOGY**

**Room:** 9A (ACC)

**Time:** 8:00 AM - 9:15 AM

**Chair:** D. Shane Miller

**Participants:**

- 8:00 Erik Martin—The Evaluation of Costly Signaling as a Motivator in Human Subsistence Behavior  
8:15 Andrew Bishop and Kim Hill—Firearms and Return Rates: A Reanalysis of the Proposed Relationship Between Body Size and Prey Rank  
8:30 Rachael Shimek—What Does a Dog Cost? Factors Related to Domestic Dog Husbandry and a Cost-Benefit Analysis of Dogs as Hunting Aides  
8:45 D. Shane Miller and Stephen Carmody—The Ideal Free Distribution and the Early Holocene Expansion in the Lower Mid-South  
9:00 Sean Cary Von Gunter—Forward to a New Biological Paradigm in Human Behavioral Ecology: The Potential of Epigenetics on Archaeological Theory & Practice

**[133] GENERAL SESSION ■ THE PALEOINDIAN PERIOD IN EASTERN NORTH AMERICA**

**Room:** 10A (ACC)

**Time:** 8:00 AM - 9:30 AM

**Chair:** Jesse Tune

**Participants:**

- 8:00 William Hranicky—The Arkfeld Site: An Early Paleoindian Quarry in Frederick County, Virginia  
8:15 Jesse Tune—What is Cumberland?: A Lithic Technological Organization Study  
8:30 Heather Rockwell—A Functional Perspective on the Organization of Mobile Toolkits during the Paleoindian Period  
8:45 Joseph Gingerich—Understanding the Role of Standardization in Flake Tool Production and Use  
9:00 Richard Boisvert and Thomas Williams—Sourcing Rhyolites in New Hampshire Paleoindian Sites with Greater Precision Using a Portable X-Ray Florescence Device.  
9:15 Sarah Walters—Tell Us What You Ate – and We'll Tell You Who, What, and When You Were: Paleoethnobotanical Recovery and Analysis along the Savannah River

**[134] FORUM ■ “CRM-OLOGY”: TOWARD A RESEARCH DESIGN FOR IMPROVING THE DOMINANT FORM OF ARCHAEOLOGICAL PRACTICE**

(Sponsored by Intellectual Property Issues in Cultural Heritage Project,  
Simon Fraser University)

**Room:** 8A (ACC)

**Time:** 8:00 AM - 10:00 AM

**Moderator:** John Welch

**Participants:**

Sarah Herr—Discussant

David Schaepe—Discussant

Christopher Dore—Discussant

John Doershuk—Discussant

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Friday Morning, April 25

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Neal Ferris—Discussant  
John H Jameson—Discussant  
Margaret Purser—Discussant

- [135] FORUM ■ COLLABORATION 101: PRACTICAL TIPS AND CAUTIONARY TALES IN COMMUNITY-BASED ARCHAEOLOGY**  
(Sponsored by IPIG and CNAR)  
**Room:** 13AB (ACC)  
**Time:** 8:00 AM - 10:00 AM  
**Moderator:** Sara Gonzalez

**Participants:**

Larry Zimmerman—Discussant  
Dorothy Lippert—Discussant  
Nick Tipon—Discussant  
Alston Thoms—Discussant  
Rachel Ceasar—Discussant  
Michael Wilcox—Discussant  
Peter Nelson—Discussant

- [136] FORUM ■ CHARACTERIZING TRIBAL CULTURAL LANDSCAPES FOR RESOURCE PRESERVATION AND PROTECTION**  
**Room:** 8B (ACC)  
**Time:** 8:00 AM - 10:00 AM  
**Moderator:** Valerie Grussing

**Participants:**

Valerie Grussing—Discussant  
Briece Edwards—Discussant  
Eirik Thorsgard—Discussant  
Dave Ball—Discussant  
Janine Ledford—Discussant  
Robert Steelquist—Discussant

- [137] POSTER SESSION ■ MAYA ARCHITECTURE AND SETTLEMENT PATTERNS IN BELIZE**  
**Room:** Ballroom F (ACC)  
**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 137-a Claire Ebert, Douglas J. Kennett and Jaime J. Awe—Excavations at Tzutziy K'in: Preclassic Settlement and Classic Development at an Ancient Maya House Group  
137-b Rhiana Casias, David Hyde and Torin Power—The Face of Foundation: Excavations of the Exterior Plaza Platform Wall at Group B of the Medicinal Trail Hinterland Community  
137-c Shelly Fischbeck, David M. Hyde and Samuel Roberts—Raising the Roof: A Corbel Vaulted Roof at a Maya Commoner Household: Structure B-2 of the Medicinal Trail Community  
137-d Michael Stowe and David M. Hyde—Settlement Pattern Analysis at the Medicinal Trail Community, Northwestern Belize: Results of Total Station Mapping of the 2013 Season  
137-e Kara Fulton, E. Christian Wells and David W. Mixer—A Chemical Comparison of Plaster Surfaces from Actuncan, Belize  
137-f David Mixter—Community Politics Following the Maya Collapse: Preliminary Results from Actuncan, Belize

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Friday Morning, April 25

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- 137-g Gail Hammond, Thomas Guderjan, Samantha Krause and Marc Wolf—Continuing Research at the Edge of the Alacranes Bajo, An Ancient Maya Landscape in Northwestern Belize.
- 137-h Erik Marinkovich, Sarah Boudreaux, Nicole Chenault, Robert Gustas and Ty Swavely—A Preliminary Analysis of a Sacbe System in Northwestern Belize
- 137-i Kyle Ports—Entering Xibalba: A Report on Subterranean Feature Investigations at the Dos Hombres to Gran Cacao Archaeological Project (DH2GC) in Northwest Belize
- 137-j Jack Barry and Gyles Iannone—Integrating GIS and Political History: The Ancient Maya City-State of Minanha
- 137-k Clayton Meredith, Willa Trask, Jillian Jordan and Shannon Lucernoni—Analysis of a Classic Period multi-use tomb assemblage in Southern Belize
- 137-l Ashley Mason—What's in a Chultun? Identifying Formation Processes at La Milpa, Belize: A Comparative Life History Approach

**[138] POSTER SESSION ■ ANALYSES OF MAYA MATERIAL CULTURE FROM BELIZE**

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 138-a Patrick Vines, Heather McKillop and E Cory Sills—3D Digital Reconstruction of Salt Production Ceramics Used by the Maya in Paynes Creek National Park, Belize
- 138-b Spencer Kawell—Lithic Tool Production in a Domestic Context: Analysis of Group B's Lithic Assemblage at the Minor Center of Waybil
- 138-c Jillian Jordan and Keith Prufer—Ceramic Petrographic Analyses at Uxbenka, Belize
- 138-d Amy Thompson, Eric Fries and Keith Prufer—Local Variation of Settlement Patterns at Uxbenká and Ix Kukú'il, Toledo District, Belize
- 138-e James Daniels and Geoffrey Braswell—Sourcing Obsidian from the Southern Belize Sites of Lubaantun and Nim Li Punit Using pXRF
- 138-f Sherman Horn—Rocking the Major Networks in Prime Time: Resource Mobilization and Socioeconomic Interaction in the Middle Preclassic Belize Valley
- 138-g Elizabeth Reid—Ceramic Thin-Section Analysis and Early Postclassic to Middle Postclassic Discontinuity at Colha
- 138-h Tawny Tibbits—Assessing the Exchange of Granite Ground Stone Tools at San Estevan, Belize, through Portable X-Ray Fluorescence

**[139] POSTER SESSION ■ THE CARIBBEAN AND CENTRAL AMERICA**

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 139-a Birgitta Kimura, Hilary Knodel, Michelle Turner, Michelle LeFebvre and Susan deFrance—Ancient Guinea Pig DNA as a Proxy for Human Migration in the Caribbean.
- 139-b Jenny Riley and Mathew Maus—An Exploration of Marks on Extinct Sloth Bones and Lithics from a Flooded Cavern in the Dominican Republic
- 139-c Sarah Nixon and James VanderVeen—Experimenting with Functionality: A Case Study of the Caribbean “Water” Bottle
- 139-d Patrick Wilkinson—The Use of Caves in Haitian Vodou
- 139-e Kristina Eronat—Bioarchaeological Investigation as Evidence of Elite Group Status in the Prehistoric Population at Boca del Drago, Panama

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Friday Morning, April 25

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- 139-f Charles Berrey—Survey, Shovel Probes, and Population Estimates: Studying Regional Demography using Sub-Surface Artifact Densities  
139-g Kathryn Dalenberg—The Cross-Cultural Analysis of Pre-Columbian Central American Ceramic Figurines

**[140] POSTER SESSION ■ MESOAMERICAN ARCHAEOLOGY**

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 140-a Lana Martin, Richard Lesure and Katelyn Bishop—The Neolithic Demographic Transition in Mesoamerica and Its Implications for Early Farming Dispersals  
140-b Katelyn Bishop—Early Formative Period Bird Exploitation at Paso de la Amada, Soconusco, Mexico  
140-c Allyse Freeman—Investigating Social Differentiation at the Formative Site Amalucan, Puebla, Mexico  
140-d Paige Phillips—Examining Activity Organization through Geochemical Analysis at Tlalancaleca, Puebla, Mexico (800 BC-AD 100)  
140-e Angela Huster—Material and Social Capital at Postclassic Calixtlahuaca, Mexico  
140-f Dennis Lewarch—Aztec Period Lithic Tool Production, Distribution, and Use in the Coatlan del Rio Valley, Morelos, Mexico  
140-g Juan Sereno-Uribe—Settlement sequence at Gualupita Morelos  
140-h Destiny Crider, Ben Moore and Jayne Cole—Experimentation in Ceramic Decorative Technology: The Central Mexican Multi-Prong Brush  
140-i Cindy Cristina Sandoval Mora, Cinthya Vidal Aldana, José Luis Punzo Díaz and Héctor Víctor Cabadas Báez—Back to Basics... Where Was the Pottery Made? A Petrographic Analysis of Chalchihuites and Aztatlán Pottery from Durango and Sinaloa, Mexico  
140-j Christina Leriche, Jill Rhodes, Barbara Omay and Joeseph Mountjoy—The Discovery of an Omechicahuaxtli from Postclassic West Mexico: Analysis and cross-cultural examination of human bone musical trophies  
140-k Elizabeth Niespolo, Gregory Holk, Neff Hector and Brigitte Kovacevich—Using stable isotopes to link Maya jade artifacts and geologic sources in the Motagua Valley, Guatemala: a refined method to determine artifact provenance.  
140-l Emily Kate, J. Heath Anderson and Olivia Navarro-Farr—A Preliminary Analysis of Epiclassic Burials at Cerro Magoni  
140-m Kendra Farstad, Caroline Antonelli and Cuauhtemoc Vidal Guzman—Long-term patterns in garden-orchard management: Medicinal Plants and Maya Gardens at Mayapan  
140-n Addison Warner—Exploring Chultun Functionalities: An Experimental Assessment of Food Storage in Chultuns at Uaxactun, Guatemala.  
140-o Vivian James—Deer Species at Mayan Postclassic Mayapán  
140-p Spencer Mitchell—Experimental Observations and Archaeological Implications: The Ancient Maya Codex Manufacturing Process

**[141] GENERAL SESSION ■ SOUTHWESTERN NORTH AMERICA**

**Room:** 10B (ACC)

**Time:** 8:00 AM - 10:00 AM

**Chair:** Samantha Fladd

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Friday Morning, April 25

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**Participants:**

- 8:00 Carol Ambruster, Tony Hull and Elizabeth Jewell—An Early Navajo Sun Watching Site in Chaco Canyon: Critical Evaluation Using Monte Carlo Null Test Criteria
- 8:15 Randee Fladeboe—Macaw Technology in the American Southwest
- 8:30 Robin Lyle—Turkey Gizzard Stones: Ecofact, Artifact and Archaeological Curiosity
- 8:45 Jocelyn Bernatchez and Melanie Medeiros—Virgin Anasazi Archaeology and the Southern Parkway Project
- 9:00 Victor Fisher—Landscape Architects' Embellishments of the Ancestral Pueblo Record: Taking Liberties with the Unknown
- 9:15 William Bryce and Heidi Roberts—From Here and There, Flaked Stone from the Obsidian Cache Pithouse site of Southwest Utah
- 9:30 Samantha Fladd—Social Syntax: A Framework for Understanding Community Reorganization at Homol'ovi I
- 9:45 Lindsay Montgomery—The Problems and Potential of Nomadic Archaeology in the American Southwest

**[142] SYMPOSIUM ■ CURRENT RESEARCH FROM THE PIMU/CATALINA ISLAND ARCHAEOLOGY PROJECT****Room:** 9B (ACC)**Time:** 8:00 AM - 10:15 AM**Chairs:** Wendy Teeter, Desiree Martinez and Karimah Kennedy Richardson**Participants:**

- 8:00 Wendy Teeter, Karimah Kennedy-Richardson and Desiree Martinez—The Current Pimu Catalina Island Archaeology Project
- 8:15 Desiree Martinez and Cindi Alvitre—The Ramifications of the Historical Romanticism of the Catalina Island Tongva
- 8:30 Hugh Radde—Interpreting the Cultural Landscape at Toyon Bay (CA-SCAI-564) on Catalina Island
- 8:45 Austin Ringelstein—Galleons, Temples, and Beads: Early Euro-Native Cultural Interactions at Two Harbors (CA-SCAI-39)
- 9:00 Jeni Knack and Sarah Nava—The Effects of People and Nature Upon One of Santa Catalina Island's Largest Villages
- 9:15 Kirstie McPeek—An Analysis of Ammunition Found at SCAI-39, Santa Catalina Island
- 9:30 Melanie Lerman and Austin Ringelstein—Glass Beads from Catalina Island: A History of Trade and Contact
- 9:45 Karimah Kennedy Richardson—Shared Collection Management Issues, Policies, and Goals for Improvement
- 10:00 Questions and Answers

**[143] SYMPOSIUM ■ MASCULINITIES AND VIOLENCE IN PRE-COLONIAL SOCIETIES OF THE NEW WORLD**

(Sponsored by COSWA)

**Room:** 16B (ACC)**Time:** 8:00 AM - 10:15 AM**Chair:** Traci Ardren**Participants:**

- 8:00 Liam Frink—Intersections of Age and Gender during the Indigenous Western Alaskan Bow and Arrow War Days
- 8:15 Scott Hutson—Masculinities, Symbolic Violence, and Ritual among the Postclassic Maya

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Friday Morning, April 25

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- 8:30 Janet Levy—First Steps to an Archaeology of Masculinity in the Southeastern U.S.  
8:45 Christina Torres-Rouff—Displaying Violence, Displaying Masculinity: Violent Injuries in Life and Death in Northern Chile's Atacameño Oases  
9:00 William Isbell—Fierce Killers of the Wari Empire: Professional Soldiers or Real Men?  
9:15 Sophia Kelly and Kostalena Michelaki—Pre-Classic to Classic Period Shifts in the Economic Participation of Women in Hohokam Society  
9:30 Abigail Meza-Peñaloza, Christopher Moreheart, Destiny Crider, Socorro Baez\_molgado and Sabrina Sholts—Understanding Violence: Ritual, Conflict, and Sacrifice in the Basin of Mexico  
9:45 Mary Weismantel—Discussant  
10:00 Questions and Answers

**[144] SYMPOSIUM ■ CURRENT RESEARCH WITHIN THE CASAS GRANDES WORLD**

**Room:** 18C (ACC)

**Time:** 8:00 AM - 10:15 AM

**Chairs:** Emma Britton and Elizabeth Peterson

**Participants:**

- 8:00 Dolores Dávalos Navarro and Marco Antonio Martínez Galicia—Today's understanding of Casas Grandes' architectural variety  
8:15 Emma Britton—Results of Petrographic Analysis of Polychrome Ceramics from Site 204, Chihuahua, Mexico  
8:30 Jeremy Loven—Subsistence Patterns During the Casas Grandes Medio Period: Results of the Faunal Analyses from Sites 315 and 355.  
8:45 Christine VanPool and Todd VanPool—Fashion and Meaning in Medio Period Human Effigies  
9:00 Elizabeth Peterson—Something different within Casas Grades lithic technology: New finding from small sites in Casas Grades, Chihuahua Mexico  
9:15 Gordon Rakita—Discussant  
9:30 Adrienne Offenbecker, Kyle Waller, Jane Kelley and M. Anne Katzenberg—Mortuary Variability at Paquimé and its Implications for Sociocultural Differentiation  
9:45 Elizabeth Bagwell—Domestic Architecture of the Casas Grandes Western Periphery in Context  
10:00 Michael Whalen—Ceramic Development in the Casas Grandes world

**[145] SYMPOSIUM ■ THICKLY SETTLED: INVESTIGATING “URBAN” ISSUES IN TOWN AND VILLAGE COMMUNITIES**

**Room:** 8C (ACC)

**Time:** 8:00 AM - 10:30 AM

**Chair:** Jeffrey Fleisher

**Participants:**

- 8:00 Meredith Chesson—Discussant  
8:15 Meredith Chesson—Slow Urbanism: The Other Urban Revolution in the Early Bronze Age southern Levant  
8:30 S. Spivey—A City Minute: Viewing Concepts of Temporality and Urbanism through the Lens of Poverty Point  
8:45 Ian Armit—Alternative Urbanisms in the European Iron Age: Entremont and Beyond  
9:00 Anna Prentiss and Alexandra Williams—Theorizing the Historical Development

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Friday Morning, April 25

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- and Peak Structure of Dense Aggregate “Villages” in the Middle Fraser Canyon, British Columbia
- 9:15 Jeffrey Fleisher and Stephanie Wynne-Jones—On the Issue of Scale on the Eastern African Swahili Coast
- 9:30 Laura Junker—Archaeological and Historical Perspectives on “Urbanism” in Early Historic Southeast Asia
- 9:45 Innocent Pikirayi—The Post-Great Zimbabwe city: Towns, Palaces, Villages, and Functional Specialization in the Mutapa State, Northern Zimbabwe, 1500-1900 AD
- 10:00 Jennifer Birch—Complicated Communities: How Larger Villages Created Complex Societies in Northern Iroquoia
- 10:15 Timothy Pauketat—Discussant

**[146] GENERAL SESSION ■ CENTRAL AND SOUTHERN COAST OF PERU**

**Room:** 17B (ACC)

**Time:** 8:00 AM - 10:30 AM

**Chair:** Benjamin Nigra

**Participants:**

- 8:00 Nicholas Wolff and Matthew Piscitelli—Reading Between the Lines: Micro-Stratigraphic Analysis of Ceremonial Contexts at the Late Archaic Site of Huaricanga, Peru
- 8:15 Margaret Brown Vega, Nathan Craig and Gerbert Asencios Lindo—Awqa Pacha: Fortified Landscapes of the Pativilca Valley, Central Coast of Perú
- 8:30 Benjamin Nigra, Terrah Jones and Jacob Bongers—A Full Coverage Survey of the Middle Chincha Valley Corridor, Peru
- 8:45 Charles Stanish, Michiel Zegarra, Kelita Perez and Henry Tantalean—Paracas Period Settlement Clusters in the Upper Chincha Valley, Peru.
- 9:00 Henry Tantaleán, Alexis Rodríguez, Abel Fernández, Paolo Zorogastúa and Melissa Díaz—Paracas at Chincha Valley: A View from Cerro del Gentil-El Mono Complex
- 9:15 Bachir Bacha Aïcha and Llanos Jacinto Oscar Daniel—A Paracas Society Perspective from the Basins of Callango and Ocuaje, Ica, Peru
- 9:30 Mary Noell and Christina Conlee—Social Implication of Early Nasca Ceramics at La Tiza
- 9:45 Blair Mills and Christina Conlee—Patterns of Structure: The Fiber Artifacts of La Tiza
- 10:00 Jacob Bongers, Ben Nigra and Terrah Jones—The Chincha Mortuary Tradition in the Upper Chincha Valley, Peru
- 10:15 Sudarsana Mohanty—Engendered Mortuary Rituals: A Study of Gender Identity in Ychma Society

**[147] SYMPOSIUM ■ RECENT WORK AT NIXTUN-CH'ICH' AND TAYASAL, PETÉN, GUATEMALA**

**Room:** 16A (ACC)

**Time:** 8:00 AM - 10:45 AM

**Chairs:** Timothy Pugh and Prudence Rice

**Participants:**

- 8:00 Justin Bracken and Timothy Pugh—Delimiting the San Bernabé mission and determining its broader context within the site of Tayasal
- 8:15 Raquel Lamela Lopez, Timothy Pugh and Katherine Miller—Catholic Mortuary Practices of the Fifteenth to Eighteenth Century: A Comparison Between Tayasal, Petén, Guatemala and the Iberian Peninsula.

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Friday Morning, April 25

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- 8:30 Charla Marshall, Cris Hughes, Timothy Pugh and Ripan S. Malhi—Mitochondrial genetic variation among burials from the San Bernabé Mission, Tayasal: preliminary results from an ancient DNA feasibility study
- 8:45 Yuko Shiratori, Carolyn Freiwald and Timothy Pugh—Postclassic and Contact Era Animal Use in Itza Maya Households at Tayasal
- 9:00 Erika Smith, Christina Halperin and Ronald Bishop—Late Classic Provincial Politics: Chemical and Mineral Analyses of Late Classic Polychrome Pottery Paints and Pastes
- 9:15 Questions and Answers
- 9:30 Timothy Pugh, Carlos Sánchez, Evelyn Chan, Justin Bracken and Miguel Cano—The 2013 Season at Nixtun-Ch'ich', Petén, Guatemala
- 9:45 Prudence Rice—Contact- and Colonial-Period Pottery in the Western Lake Petén Itza Basin
- 10:00 Nathan Meissner—The Economics of Point Manufacture and Factionalism in the Postclassic/Contact Period Petén Lakes Region, Guatemala
- 10:15 Katherine South—Middle Preclassic Pottery Use and Production at Four Sites in the Petén Lakes Area
- 10:30 Leslie Cecil—Hallucinogens and Blood: Grater Bowls from Nixtun Ch'ich'

**[148] SYMPOSIUM ■ SEEKING SHELTER FROM THE SUN: RECENT CAVE AND ROCK SHELTER RESEARCH IN THE GREAT BASIN**

**Room:** 10C (ACC)

**Time:** 8:00 AM - 10:45 AM

**Chairs:** Geoffrey Smith and Danielle Felling

**Participants:**

- 8:00 Danielle Felling and Geoffrey Smith—Returning to Last Supper Cave: New Results from AMS Dating and Ongoing Analyses of a Late Paleoindian Occupation in Northwest Nevada
- 8:15 Peter Carey, Geoffrey Smith, Judson Finley and Evan Pellegrini—A First Look at the Early Holocene Assemblage from LSP-1: A Stratified Rockshelter in Oregon's Warner Valley
- 8:30 Jaime Dexter, Chantel Saban and Tara McCaffrey—Assessing Late Pleistocene/Early Holocene Diet Breadth in the Northern Great Basin Through Paleoethnobotanical Analysis—A few Details to Consider Before Committing to the Paleo Diet
- 8:45 Justin Holcomb and Dennis Jenkins—Early Holocene Mobility and Technological Activities at Connley Caves 5 and 6 (35LK50), in South-Central Oregon
- 9:00 Patrick O'Grady and Janice Wood—Tephra Traps and Projectile Points: An Update on the Volcaniclastic and Cultural Chronologies at Rimrock Draw Rockshelter (35HA3855), Harney County, Oregon, USA
- 9:15 Lisbeth Louderback, Joel Janetski and Judith Field—The Impact of Climate Change on Dietary Choice During the Holocene at North Creek Shelter, Utah
- 9:30 John Ives—Something Old, Something New: Exploring High Fidelity Archaeological Records in the Promontory Caves, Utah
- 9:45 Bryan Hockett—A 13,000 Year Record of Subsistence Change at Bonneville Estates Rockshelter
- 10:00 David Rhode, Lisbeth Louderback, Anna Camp, Jonathan Grant and Anita Sapula—Re-assessing Paleoarchaic Plant Use at Bonneville Estates Rockshelter
- 10:15 C. Melvin Aikens—Discussant
- 10:30 David Thomas—Discussant

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Friday Morning, April 25

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**[149] SYMPOSIUM ■ CORRELATION IS NOT ENOUGH: BUILDING BETTER ARGUMENTS IN THE ARCHAEOLOGY OF HUMAN-ENVIRONMENT INTERACTIONS**

**Room:** 12AB (ACC)

**Time:** 8:00 AM - 11:00 AM

**Chair:** Daniel Contreras

**Participants:**

- 8:00 Christopher Roos—Identifying Human Impacts on Fire-Prone Landscapes  
8:15 Joshua Wright—Detecting Microenvironments used for Nomadic Pastoral Habitation  
8:30 Emily McClung De Tapia—Landscape and Paleoenvironment in the Teotihuacan Valley, México: Questions, Data, Interpretations  
8:45 Aleksander Borejsza and Arthur Joyce—Convergence and Divergence as Problems of Explanation in Land-Use Histories: Two Mexican Examples  
9:00 Questions and Answers  
9:15 Matthew Jones, Lisa Maher, Tobias Richter, Danielle Macdonald and Louise Martin—Human-Environment Interactions through the Epipaleolithic of Eastern Jordan  
9:30 Daniel Contreras and Cheryl Makarewicz—How Green Was My Valley? Reconciling Regional and Local Paleoenvironmental Signals at PPNA el-Hemmeh, Jordan  
9:45 Ari Caramanica and Michele Koons—Living on the Edge: Pre-Columbian Habitation of the Desert Periphery of the Chicama Valley, Peru  
10:00 Louise Purdue—From the River to the Fields: An Integrated Study of Water Systems Towards a Better Understanding of Socio-Environmental Interactions  
10:15 Anna Browne Ribeiro—Every Little Bit Helps: Micro-Analyses as a Vector for Understanding Causation in Social-Ecological Shifts  
10:30 Carlos Cordova—Discussant  
10:45 Frances Hayashida—Discussant

**[150] SYMPOSIUM ■ BEYOND THE HORIZONS: EXPLORING SOCIAL INTEGRATION DURING PERIODS OF POLITICAL DIVERSITY IN THE ANCIENT ANDES**

**Room:** Ballroom E (ACC)

**Time:** 8:00 AM - 11:30 AM

**Chairs:** Lauren Kohut and Matthew Velasco

**Participants:**

- 8:00 John Staller—Political Economy, Ideology, and Language in Ancient Ecuador: Regional Developmental Period (c. 300B.C.-A.D. 800)  
8:15 Kimberly Munro and David Chicoine—Beyond Chavín: The Balkanization of Early Horizon Societies in Coastal Ancash, Peru  
8:30 Hugo Ikehara—Political Change at the End of the Formative Period: a View from the Nepeña Middle Valley  
8:45 Rebecca Bria—Emplacing Recuay Authority: The Local Roots of Regional Elites in the Highland Andean Early Intermediate Period (Ancash, Peru)  
9:00 Melissa Vogel—Redefining the Late Intermediate Period on the North Coast  
9:15 Cristina Rospigliosi-Campos—Sociopolitical organization during the Late Intermediate Period in the Peruvian north coast: excavations at the site of Luya  
9:30 Lauren Kohut—Scales of analysis and spaces of interaction: understanding conflict and alliance during the Late Intermediate Period in the Colca Valley, Peru  
9:45 Matthew Velasco—Biosocial affinity and differentiation at a late prehispanic chullpa cemetery (Colca Valley, Peru)

Friday Morning, April 25

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- 10:00 BrieAnna Langlie—Food Fights: Recent Research on Terrace Agriculture in Puno, Peru (A.D. 1100-1450)  
10:15 Elizabeth Arkush—Before and after the Middle Horizon at Ayawiri (Titicaca Basin): A hilltop view of the “valleys of ancient states”  
10:30 Jennifer Zovar—Growing Apart, Coming Together: The Late Intermediate Period in the Former Tiwanaku Heartland  
10:45 Emily Stovel and Christina Torres-Rouff—Multiple Lines of Evidence: Exploring diversity within the consolidation of the Late Intermediate Period in northern Chile.  
11:00 Christina Conlee—Discussant  
11:15 Jeffrey Parsons—Discussant

**[151] SYMPOSIUM ■ 40 YEARS OF CRM (1974-2014): ACCOMPLISHMENTS, CHALLENGES, AND OPPORTUNITIES**

**Room:** 19A (ACC)

**Time:** 8:00 AM - 11:45 AM

**Chair:** Francis McManamon

**Participants:**

- 8:00 William Lipe—Glen Canyon Salvage to Dolores CRM: Big Projects and Big Changes  
8:15 Jerry Rogers—Honor Roll to Planning Process  
8:30 Owen Lindauer—A Personal Perspective of 39 Years of Transportation Archaeology: Contributions, Issues, and Challenges  
8:45 Sarah Schlanger and Signa Larralde—All the Gold on the Map: Public Land, Public Good, Public Trust  
9:00 Patricia Mercado-Allinger—Reflections on the Development of and Future Directions for State CRM Programs  
9:15 Cindy Dongoske, T.J. Ferguson and Kurt Dongoske—Zuni and 40 Years of CRM: A Perspective from On and Off the Reservation  
9:30 Teresita Majewski—The Business of CRM: Achieving Sustainability and Sustaining Professionalism  
9:45 Heidi Roberts—Recording Pull-Tabs and Barbie Dolls: Have Our CRM Methods Become Artifacts?  
10:00 Michael Trimble—The Development of CRM and Its Relationship with Archaeological Collections Management  
10:15 David G. Anderson—Using CRM Data for “Big Picture” Research  
10:30 Christopher Dore—The two Greatest Business Challenges Heritage Consulting Firms Must Solve for Future Success  
10:45 Linda Mayro and William Doelle—Conservation Archaeology in Action: Using CRM Results for Long-term Research Programs, Land Conservation, and Outreach  
11:00 Thomas Green—Discussant  
11:15 Lynne Sebastian—Discussant  
11:30 Don Fowler—Discussant

**[152] SYMPOSIUM ■ CO-CREATION, THE PUBLIC AND THE ARCHAEOLOGICAL RECORD**

(Sponsored by SAA Public Education Committee)

**Room:** 19B (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chairs:** Elizabeth Bollwerk and Robert Connolly

---

Friday Morning, April 25

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**Participants:**

- 8:00 Robert Connolly—Co-creation as an Essential Means Toward Open Authority in Archaeology
- 8:15 T. J. Ferguson and Stewart Koyiyumptewa—Co-Creation of Knowledge about the Past by The Hopi Tribe and Archaeologists
- 8:30 Kimberly Kasper and Russell Handsman—The Duality of a 21st Century Tribal Museum: Archaeological Research and Museum Stakeholders at the Mashantucket Pequot Museum and Research Center
- 8:45 Kenneth Robinson and Stephen Whittington—The Road Goes Ever On and On: Public Archaeology at Teozacoalco
- 9:00 Elizabeth Katherine Cruzado Carranza and Rebecca Bria —Making the Past Relevant: Finding Solutions to the Challenges of Heritage Preservation in Rural Communities in Peru
- 9:15 Britton Shepardson and Beno Atan—Approaching sustainable public archaeology on Rapa Nui (Easter Island, Chile): education, conservation, research, and tourism
- 9:30 Teresa Moyer—Building Capacity for Co-Created Digital Moviemaking through Youth Programs
- 9:45 Bernard Means—Promoting a More Interactive Public Archaeology: Archaeological Visualization and Reflexivity through Virtual Artifact Curation
- 10:00 Elizabeth Bollwerk—Open(ing) Archaeology: A Model for Digital Engagement
- 10:15 Holly Andrew and Bonnie Pitblado—Engaging and Empowering Citizen Archaeologists through the Co-Creative Process: A Case Study Involving the Oklahoma Anthropological Society
- 10:30 Matthew Reeves—Transforming Metal Detectorists into Citizen Scientists
- 10:45 Kimberley Popetz—Turning Privies into Class Projects
- 11:00 Sarah Miller, Jeff Moates and Michelle Williams—Co-Creation and the Cemetery Resource Protection Training (CRPT) Program Across Florida
- 11:15 Michael Barber, Carole Nash and Michael Madden—The “Public in Public Archaeology: Down from the Ivory Tower and into the Real Trenches
- 11:30 Mallory Haas and Elizabeth Hoag—Developing archaeological vernacular when approaching salvage in community: Decommissioning Euclid Avenue Churches in Cleveland Ohio.
- 11:45 Carol McDavid—Discussant

**[153] SYMPOSIUM ■ RECENT RESEARCH IN NICARAGUA****Room:** 14 (ACC)**Time:** 8:00 AM - 12:00 PM**Chairs:** Geoffrey McCafferty and Larry Steinbrenner**Participants:**

- 8:00 Clifford Brown, Ramiro García-Vásquez and Sandra Espinoza-Vallejos—Recent Investigations in the Department of Chinandega, Nicaragua
- 8:15 Justin Lowry, Jason Paling and Colin Quinn—Chiquilistagua Archaeology Project First Season Findings
- 8:30 Alexander Geurds and Vlaskamp Roosmarie—The Cuapa Phase: Notes on the last Prehispanic ceramic period in Central Nicaragua
- 8:45 Jennifer Lapp—Proyecto La Flor
- 9:00 Sharisse McCafferty and Geoffrey McCafferty—Monumentality at Sonzapote, Nicaragua
- 9:15 Larry Steinbrenner—Managua Polychrome: The Missing Link to Mesoamerica?
- 9:30 Carrie Dennett—Getting to Know You: Ceramics and Identity in Greater Nicoya
- 9:45 Kelsey Friesen and Geoffrey McCafferty —Recent Research Concerning the X-Ray Diffraction of Nicaraguan Ceramic Composition

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Friday Morning, April 25

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- 10:00 Jessica Manion—Memory and Manipulation in the Greater Nicoya  
10:15 Kendra Philmon and Clifford Brown—Bioarchaeological Analysis of Cusirisna Cave, Nicaragua  
10:30 Gina Carroll—Investigating Isotopic Inter and Intra-Skeletal Variation in Lesionous and Non-Lesionous Tissues in Pathological Specimens from Nicaragua  
10:45 Suzanne Baker—Enigmatic Pecked Features on Ometepe Island, Nicaragua  
11:00 Katrina Kosyk—A Prelude: Aerophones from Pre-Columbian Greater Nicoya  
11:15 Adam Benfer—A Century in Stone: One Hundred Years of Lithic Analyses in Nicaragua  
11:30 Frederick Lange—Discussant  
11:45 Karen Bruhns—Discussant

**[154] SYMPOSIUM ■ 3D TOOLS FOR ARCHAEOLOGICAL RESEARCH IN THE ANCIENT AMERICAS**

**Room:** 15 (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chairs:** Jennifer Von Schwerin, Markus Reindel and Heather Richards-Rissetto

**Participants:**

- 8:00 Jennifer Von Schwerin, Markus Reindel and Heather Richards-Rissetto—The MayaArch3D Project: An Open Source 3DWebGIS for Archaeological Research  
8:15 Martin Schaich—Combined airborne and terrestrial 3D Scanning and Photogrammetry Surveys with 3D Database Support for Archaeology & Cultural Heritage.  
8:30 Peter Fux and Martin Schaich—Chavín - Peru. Combined 3D technologies for documenting and visualizing a UNESCO World Heritage site for world's first Chavín exhibition in the Museum Rietberg Zurich, Switzerland  
8:45 Markus Reindel, Johny Isla and Martin Schaich—New Discoveries from 3D-Modeling of the Paracas site of Collanco, Peru  
9:00 Barbara Fash and ALEXANDRE TOKOVININE—Fresh Angles: 3D as a Research and Preservation Tool  
9:15 Alexandre Tokovinine and Barbara Fash—Epigraphy in 3D: Digital Photogrammetry and Publication of Classic Maya Inscriptions  
9:30 Gaspar Muñoz Cosme, Cristina Vidal Lorenzo and Andrea Peiró Vitoria—Laser scanning as an analytical tool applied to 3D digital imagery in Maya archaeology: La Blanca and Chilonche (Guatemala).  
9:45 Kevin Cain and Philippe Martinez—An Open Source Data Archive for Chichén Itzá  
10:00 Florencia Pezzutti, Stephen Leisz and Christopher Fisher—Architecture in the Point Cloud: Identifying, Mapping, and Interpreting Architectural Features in 2D+  
10:15 Thomas Garrison, Mary Clarke, Stephen Houston, Katie Simon and Vance Green—"We may have to call someone": 3D Technologies in the Context of Lowland Maya Field Archaeology  
10:30 Terance Winemiller and Heather McKillop—Using GIS and GIS 3D to Reveal the Cultural and Natural Landscapes of Ancient Maya Salt Works with Wooden Buildings Submerged and Preserved by Sea-Level Rise  
10:45 Kristin Landau, Heather Richards-Rissetto and Marc Wolf—Tacking Back and Forth: Using 3D Tools to Guide Archaeological Excavation  
11:00 Heather Richards-Rissetto, Markus Reindel, Jennifer von Schwerin and Fabio Remondino—LiDAR Applications for Landscape Archaeology: A

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Friday Morning, April 25

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- 11:15 Case Study from Copan, Honduras  
11:30 Questions and Answers  
11:45 John Rick—Discussant  
Diane Chase—Discussant

**[155] SYMPOSIUM ■ FORGETTING AND REMEMBERING: THE ARCHAEOLOGY OF HISTORIC CEMETERIES.**

**Room:** 17A (ACC)  
**Time:** 8:00 AM - 12:00 PM  
**Chairs:** Rachel Feit and Jeremy Pye

**Participants:**

- 8:00 Richard Veit and Mark Nonestied—Cemetery Reform In 19th-Century Puerto Rico: Enlightenment Principles in a Colonial Setting  
8:15 Jonathan Jarvis—Archaeology, Architecture and Culture at Merrelltown Cemetery  
8:30 Megan Teague Tucker—Above Ground – Below Ground: Assumptions of Status and Mortuary Expenditure  
8:45 Scott Lawrence and James Gibb—The St. Nicholas Cemetery Restoration Project  
9:00 Chester Walker and Jennie Sturm—Using Geophysics for the Archaeological Study and Management of Historic Cemeteries  
9:15 Julian Sitters and Danny Walker—A Multi-Methodological Approach to the Detection of Graves  
9:30 Robin Lillie and Jennifer Mack—Myth and Memory at a 19th Century Catholic Cemetery  
9:45 Kathleen Wheeler—In Life As In Death: Segregated Burials in New Hampshire  
10:00 Rachel Feit—In the Valley of Waters: Archaeological Investigations at a 19th century African American Cemetery (41NV716) in Navarro County, Texas.  
10:15 Rachel Black and Hugh Matternes—When Did the Sun Go Down? Placing the Avondale Burial Place in Time.  
10:30 Jessica Cofelice—THE LEGRO BURIAL GROUND ARCHAEOLOGICAL EXCAVATIONS AND FUNERARY HARDWARE ANALYSIS: A SHIFT IN NINETEENTH CENTURY MORTUARY CONSUMER BEHAVIOR IN ROCHESTER, NEW HAMPSHIRE  
10:45 M. Bird—A “Public Burial Place, a Field of Peace, a Pleasant Place of Resort:” The Forgotten circa 1842-1886 Peoria Public Grave Yard (11-P-835) in Peoria, Illinois  
11:00 Willa Trask—Life and death in rural Texas: Analysis of biological distance and demography at Montgomery Hill Cemetery  
11:15 Lain Graham and Hugh B. Matternes—Unwelcome Pay for a Hard Day’s Work: Osteoarthritis in Two African-American Cemeteries on the Outskirts of Savannah, Georgia  
11:30 Alexandra Bybee—Food Remains and Other Biological Materials from Abdominal Soil Samples: What Seeds and Other Biological Substances Can Tell Us About Historic-Period Dietary Consumption Patterns and Medicine  
11:45 Jeremy Pye—"Unwanted Guests": Malaria and Other Parasites in 19th Century Tucson, Arizona

**[156] SYMPOSIUM ■ 2014 FRYXELL AWARD SYMPOSIUM: PAPERS IN HONOR OF MARVIN W. ROWE**

(Sponsored by Fryxell Award Committee)  
**Room:** Ballroom G (ACC)  
**Time:** 8:00 AM - 12:00 PM  
**Chair:** Karen Steelman

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Friday Morning, April 25

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**Participants:**

- 8:00 Lawrence Loendorf—Rectangular-body anthropomorphs at Lookout Cave, Montana
- 8:15 John Greer and Mavis Greer—Masks in American Rock Art
- 8:30 Lennon Bates, Evelyn Billo, Robert Mark, Eric Dillingham and Karen Steelman—Radiocarbon Dates for the Guadalupe Mountains Red Miniature Paintings
- 8:45 Carol Diaz-Granados—Marvin Rowe and the Missouri Pictographs
- 9:00 Sally Cole, E. Joe Mawk, Ann E. Miller and Marvin W. Rowe—Chemistry and Society: Investigating Pueblo II-Pueblo III Mural Paint in the Northern San Juan
- 9:15 Carolyn Boyd—Layers of Meaning: Stratigraphic Analysis of a Pictorial Narrative in the Lower Pecos Canyonlands of Texas
- 9:30 David Whitley—Peopling of the Americas: A Rock Art Perspective
- 9:45 Linea Sundstrom—A Mammoth Mistake: Datura Moth Imagery at the Bluff Petroglyph Site, Utah
- 10:00 Reinaldo Morales—The Oldest Rock Art in Brazil?
- 10:15 Peter Veth—Dating Kimberley Rock Art: the long and the short of it
- 10:30 Josephine McDonald—The Art of Science and the Science of Art
- 10:45 Juan Ruiz, Ramon Viñas Vallverdú, Albert Rubio Mora and Antonio Hernanz—Scientific dating program of post-glacial open-air rock art of Iberian Peninsula, 2004-2014
- 11:00 Jon Russ, Karen Steelman, Mary Pohl, Chris von Nagy and Heather Hurst—Radiocarbon Ages of Oxtotitlan Murals
- 11:15 Eric Blinman—The Archaeomagnetic Dating Legacy of Dr. Robert L. DuBois
- 11:30 Ruth Ann Armitage—From Charcoal to Textiles: Archaeological Chemistry Research at Eastern Michigan University
- 11:45 Marvin Rowe—Discussant

**[157] SYMPOSIUM ■ NOT JUST FOR SPECIALISTS: APPLYING GEOPHYSICS IN ARCHAEOLOGY**

(Sponsored by International Society for Archaeological Prospection)

**Room:** 9C (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chair:** Mark Schurr

**Participants:**

- 8:00 Alexandre Novo and Beverly Chiarulli—Archaeological Surveys using Multiple Array Ground Penetrating Radar
- 8:15 Ervan Garrison, Timothy Anderson and Kent Schneider—Architectural Inference from Ground Penetrating Radar (GPR) Surveys of an Unexcavated Roman Country Villa, Châtillon-La Vuarda, Switzerland
- 8:30 Guglielmo Strapazzon and Rita Deiana—Advanced 3D Visualisation Workflows for GPR Archaeological Prospection Data: Case Studies from Ancient and Contemporary Urban Environments
- 8:45 Edward Eastaugh, Lisa Hodgetts, Jean-Francois Millaire, Claude Chapdelaine and Chris Ellis—The Untapped Potential of Magnetic Survey in the Identification of Pre-Contact Archaeological Sites in Southern Ontario and Quebec, Canada
- 9:00 J. Chrys Harris and Chris Gaffney—Assessing the Trapezoidal Array for Archaeological Earth Resistance Investigations
- 9:15 Andrew Parkyn, Armin Schmidt, Chris Gaffney and Roger Walker—The MSP40: A Multi-sensor Platform for the Geophysical Evaluation of Sensitive Archaeological Landscapes

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Friday Morning, April 25

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- 9:30 James McNeill, Jonathan Fowler, Robert Ferguson, Rebecca Duggan and Sara Beanlands—Exploration for Early French and Acadian Building Sites in Eastern North America using EM Magnetic Susceptibility Instrumentation
- 9:45 Shawn Patch and Sarah Lowry—Midden, Mound, and Village: Archaeological Geophysics Survey of the Raccoon Creek WMA, Jackson County, Alabama
- 10:00 Ian Moffat, Lawrence Conyers, Mary-Jean Sutton, William Busch and Chester Walker—Geophysical and Geomatic Investigations of the Mapoon Mission Cemeteries, North Queensland, Australia
- 10:15 Jeffrey Leon and Ian Lindsay—Two Cases for Archaeological Geophysics: Comparing the Application of GPR and Magnetometry at Late Bronze Age Sites in Armenia and Cyprus
- 10:30 Jason Herrmann, Jason King and Jane Buikstra—Three-dimensional Subsurface Mapping of Earthen Mounds in the Lower Illinois Valley
- 10:45 Daniel Warren—Deepwater Shipwreck Investigations Using Autonomous Underwater Vehicle Based Geophysical and Optical Systems
- 11:00 Stephanie Sullivan—Revealing Architectural Variation through Near-surface Geophysical Survey at a Multi-mound Civic Ceremonial Site in Northwest Arkansas
- 11:15 Steven De Vore and Lewis Somers—RetroSpection on ProSpection: English and American Views from Across the Pond
- 11:30 Timothy Horsley, Casey Barrier and Alice Wright—Prospecting for More Than Just Features: Integrating Geophysics into Archaeological Investigations to Define and Help Answer New Research Questions
- 11:45 Margaret Watters, Bryan S. Haley and Duncan P. McKinnon—Time Team America: The Use of Public Archaeology as a Gateway to Science

**[158] SYMPOSIUM ■ CLIMATE CHANGE AND ARCHAEOLOGY IN MESOAMERICA: A MIRROR FOR THE ANTHROPOCENE**

(Sponsored by Anthropocene, Elsevier Journal)

**Room:** 18A (ACC)

**Time:** 8:15 AM - 11:30 AM

**Chair:** Timothy Beach

**Participants:**

- 8:15 Sarah Metcalfe, Sarah Davies and John Barron—Holocene Climate Variability across Mesoamerica: The Monsoon and Other Drivers of Change
- 8:30 Tripti Bhattacharya, Roger Byrne, Kurt Wogau and Harald Boehnel—Cultural Implications of Late Holocene Droughts Reconstructed from High-Resolution Maar Lake Sediments in the Eastern Trans-Mexican Volcanic Belt
- 8:45 David Stahle, Jose Villanueva and Julian Cerano—The Montezuma Baldcypress Record of Moisture Variability over Mesoamerica during the Past Millennium
- 9:00 Robert Dull—Reconsidering the Environmental Impacts of the Early 6th-Century Ilopango Eruption throughout Mesoamerica
- 9:15 Kenneth Tankersley, Nicholas Dunning, Vernon Scarborough and David Lentz—Catastrophic Volcanism, Climate Change, and Ancient Urbanism in the Maya Lowlands
- 9:30 Kazuo Aoyama, Hitoshi Yonenobu, Takeshi Inomata, Kazuyoshi Yamada and Hiroo Nasu—Archaeological and Paleoenvironmental Investigations in and around Ceibal, Guatemala
- 9:45 Douglas Kennett, Julie Hoggarth, Marilyn Masson, Minghua Zhang and Oleg Smirnov—Climate Change and the Integration and Disintegration of Postclassic Period Maya Polities
- 10:00 Amy Frappier, Aurora Pinkey-Drobnis, Sarah Turner and James Pyburn—

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Friday Morning, April 25

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Mud and the Maya “Megadroughts”: 2200 Years of Hydroclimate and Multiple Hazards from Northern Yucatan Stalagmite Records

10:15 Cary Mock and Elizabeth Rushton—Historical Climate of Belize

10:30 David Wahl, Roger Byrne, Lysanna Anderson and Richard D. Hansen—Holocene Climate Change in the Southern Maya Lowlands

10:45 Nicholas Dunning, Michael Smyth, Philip van Beynen, Eric Weaver and David Ortegon Zapata—Puuc Region Paradox? Water and Settlement in the Hill Country of Yucatan

11:00 Joel Gunn—The Maya in Global Perspective

11:15 Mark Brenner, Jason Curtis and David Hodell—Future Directions for Studying Past Climate in the Maya Region

**[159] SYMPOSIUM ■ THE CONVERGENCE OF HISTORY AND SPACE:  
HISTORICALLY-CHARGED PLACES IN THE ARCHAEOLOGICAL  
RECORD OF NORTH AMERICA**

**Room:** 11AB (ACC)

**Time:** 8:15 AM - 11:45 AM

**Chair:** Matthew Sanger

**Participants:**

8:15 Matthew Sanger—New perspectives on human-landscape relations in non-agrarian communities

8:30 James Snead—Canonical Sites and the Legacy of Place in American Archaeology

8:45 Edward Henry—Negotiating Historicism and Ritual Action: Assessing Dualistic Space at the Mount Horeb Earthwork Complex in Central Kentucky.

9:00 Brandi Bethke, Maria Nieves Zedeño and Kaitlyn Moore—Chronotopes: The Parallel Biographies of Two Humanized Landforms

9:15 Christopher Watts—Late Woodland Earthen Enclosures and the Cultivation of Place

9:30 Peter Whitridge—Writing history on the land: inuksuit as long-term repositories of cultural information

9:45 Martin Gallivan—Place-making in the Algonquian Chesapeake

10:00 Gerald Oetelaar—Continuity and Change: The Construction, Persistence and Impermanence of Historically-Charged Places on the Northern Plains

10:15 Kurt Dongske, Kelley Hays-Gilpin and Octavious Seowtewa—Kwa Hoth Shiwi At Chama: Never Ending Zuni Presence on the Landscape

10:30 Scott Van Keuren and William Graves—Cosmology and the Mundane in Hohokam Experiences of Place

10:45 Benjamin Alberti and Severin Fowles—Dense Gestures: Ecologies of Rock and Art in northern New Mexico

11:00 Laura Scheiber—Archaeology as Mediator of Place, Heritage, and Tourism in the American West

11:15 Stephen Lekson—Discussant

11:30 Christopher Witmore—Discussant

**[160] GENERAL SESSION ■ NORTHWESTERN NORTH AMERICA**

**Room:** 18B (ACC)

**Time:** 8:30 AM - 11:45 AM

**Chair:** Ian Lewis

**Participants:**

8:30 William Gardner-O’Kearny—Household Population Dynamics from the Ground Up: Preliminary Results From a New Agent Based Computer Simulation

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Friday Morning, April 25

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- 8:45 Mark Williams, E. James Dixon, Dale Croes, Kelly Monteleone and William Taylor—Preliminary excavations at Labouchere Bay, Prince of Wales Island, SE Alaska
- 9:00 Kipp Godfrey and Bradford Andrews—Berkeley Rockshelter Lithics: Inferences about the Prehistoric Use of the Mount Rainier Area
- 9:15 Nicholas Waber—Customizing Microblades: A Design-Theory Analysis of Microblade Production and Alteration Practices on Early Holocene Haida Gwaii
- 9:30 Ben Fitzhugh and Caroline Funk—Settling on the marginal North Pacific: A comparative analysis of Aleutian and Kuril Settlement
- 9:45 Madonna Moss, Antonia Rodrigues, Camilla Speller and Dongya Yang—The Archaeology of Pacific Herring in Alaska
- 10:00 Ian Lewis—Chasing Clusters: Analysis of Activity Areas to Determine Site Type at the Locarno Beach Phase (3500-2400 BP) Site 45WH55, Chuckanut Bay, Washington
- 10:15 Bill Angelbeck and Ian Cameron—Hunter's Best Friend: An Analysis of Dogs and Independent Hunters in the Coast Salish Area of the Northwest Coast
- 10:30 Celeste Giordano and Liam Frink—The Effects of the Traditional Yup'ik Seal Poke Storage System on the Safety of Seal Oil Consumption
- 10:45 Iain McKechnie, Dana Lepofsky and Madonna Moss—Move Over Salmon: New Perspectives on Indigenous Fisheries along the Northwest Coast
- 11:00 Darcy Mathews—Ancestral Presence and the Public Secret: Hiding the Dead in Plain Sight
- 11:15 James Kari and Ben Potter—The Prehistoric Implications of The Proto-Dene Lex Loci
- 11:30 Lauren Norman—Study of a House: Spatial Patterning of a Western Thule Winter Dwelling

**[161] SYMPOSIUM ■ NEW DEFINITIONS OF SOUTHEASTERN MESOAMERICA: INDIGENOUS INTERACTION, RESILIENCE AND CHANGE - PART 1**

**Room:** 18D (ACC)

**Time:** 8:30 AM - 12:00 PM

**Chairs:** Alejandro Figueroa and Erlend Johnson

**Participants:**

- 8:30 Timothy Scheffler—Non-Center Domestication in Southeast Mesoamerica
- 8:45 Alejandro Figueroa—From Foragers to Early Agriculturalists: The Deep History of the Highlands of Southwestern Honduras
- 9:00 Federico Paredes-Umaña and Shintaro Suzuki—Late Preclassic Southeastern Mesoamerica, beyond the Maya Construct
- 9:15 Erlend Johnson—All Hail the Ajaw?: Shifting Political Strategies between Late Formative and Classic Period Sites in the Cucuyagua and Sensenti Valleys of Western Honduras
- 9:30 Edy Barrios, Cameron L McNeil, Walter Burgos and Cassandra Bill—Río Amarillo: a Town on the Edge of Ancient Copan
- 9:45 Ellen Bell, Marcello Canuto and Cassandra Bill—Hierarchy in the Copan Hinterlands?: The Copan Kingdom Dual Center Administrative Strategy and Patterns of Centralization in Southeast Mesoamerica
- 10:00 William McFarlane and Miranda Stockett Suri—Reconsidering the Reality of Southeastern Mesoamerica: Continuity, Diversity, and Inter-Valley Interaction in Western Honduras
- 10:15 Edward Schortman and Patricia Urban—Research on the Copper Producing Area at El Coyote, Sta Barbara, Honduras
- 10:30 Eric Gelliot—Archaeological sites and cultural dynamics in the area of Lempira, Honduras.

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Friday Morning, April 25

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- 10:45 Pastor Gómez Zúñiga—Los Cacicazgos Lencas de Honduras durante la Época de Contacto 1502-1550)
- 11:00 Gloria Lara-Pinto—The Politics of Ethnic Identity in the Context of the “Frontier”: The Chortíes of Honduras
- 11:15 Brent Metz—An Ethnographic Approach to Exploring Indigenous Heritage and Identity in the Former Ch'ortí-Speaking Area
- 11:30 Julia Hendon, Jeanne Lopiparo and Doris Maldonado—Traces of Local Histories in the Landscape of the Lower Ulúa Valley Then and Now: Multiple Perspectives on the Intersection of Past and Present
- 11:45 Questions and Answers

**[162] SYMPOSIUM ■ “FOR ONE PLEASURE, A HUNDRED PAINS”: THE ROYAL HUNT IN THE ANCIENT WORLD**

**Room:** 9A (ACC)

**Time:** 9:45 AM - 12:00 PM

**Chairs:** Sarah Newman and Stephen Houston

**Participants:**

- 9:45 Allison Thomason—"I am a Lion/I am Virile": The Royal Hunt in Neo-Assyrian Images and Texts
- 10:00 George Lau—Deer in Recuay Culture: Perspectives on Predation and Emerging Warrior Elites in Ancient Peru
- 10:15 Benjamin Arbuckle—Hunting in Near Eastern Prehistory: Status or Subsistence?
- 10:30 John Cherry—One Thousand Years of the Royal and Noble Hunt in the Aegean
- 10:45 Jo-Ann Shelton—Hunts in the Ancient Roman Colosseum
- 11:00 Roderick Campbell—The Wild and the Sacred: The Shang Royal Hunt
- 11:15 Sarah Newman—Game, Prize, and Player: Deer Hunting among the Classic Maya
- 11:30 Mehmet-Ali Atac—The King and the Lion and the King As Lion in Assyrian Representations of the Royal Hunt
- 11:45 Pam Crabtree—Discussant

**[163] GENERAL SESSION ■ CALIFORNIA**

**Room:** 10A (ACC)

**Time:** 10:00 AM - 12:00 PM

**Chair:** Kaitlin Brown

**Participants:**

- 10:00 Richard George—Obsidian Provenance, Use, and Interaction at CA-ORA-64 during the Early and Middle Holocene
- 10:15 Kaitlin Brown, René L. Vellanoweth, Richard B. Guttenberg and Jacques Connan—Archaeological Evidence for Asphaltum Production on San Nicolas Island, CA: Acquisition, Processing and Application at the Tule Creek Village Site
- 10:30 Rebekka Knierim and René L. Vellanoweth—Residue Analyses from a Ceremonial Stone Mortar on San Nicolas Island, California
- 10:45 Ian Scharlotta—When a “Midden” is not a midden: the “Encinitas Midden,” San Diego County, California
- 11:00 Paul Langenwalter—Assessing the Evidence for the Ritual Burial of Badgers (*Taxidea taxus*) in Central California
- 11:15 Enah Montserrat Fonseca Ibarra and Andrea Guía—Hearths and heated-rock cooking structures: diet preferences and differences in consumed foods processing among the hunters-gatherers-fishers in Baja California
- 11:30 Alexandra Greenwald and Jelmer Eerkens—Stable Isotope Measures of Age at Weaning and Early Childhood Diet as a Proxy for Parental Investment Strategies During the Medieval Climatic Anomaly in Central California

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Friday Morning, April 25

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- 11:45 Darcy Wiewall, David Earle, Michael Esquer and Victor Guzman Contreras—Unfinished Business: Interpretation of the Fairmont Butte (CA-LAN-298) Archaeological Collection

**[164] GENERAL SESSION ■ IDENTITY, MEANING, AND MATERIALITY IN THE MAYA WORLD**

**Room:** 10B (ACC)

**Time:** 10:15 AM - 12:00 PM

**Chair:** Cara Tremain

**Participants:**

- 10:15 Sarah Jackson—Classic Maya Material Meanings (and Modern Archaeological Consequences)
- 10:30 Cara Tremain—The Art of Dressing: An Iconological Approach to Ancient Maya Identity
- 10:45 Maria Luisa Vazquez De Agredos Pascual, Cristina Vidal Lorenzo , Patricia Horcajada Campos , Vera Tiesler and Patricia Quintana Owen—Body paint and rites of passage in Maya Culture
- 11:00 Josefina Mansilla, Carmen Pijoan and Pedro Bosch—Huesos humanos del México antiguo con diferentes pigmentos: análisis e interpretación cultural
- 11:15 Jared Katz—The Chicahuaztli: The Power of a Pre-Columbian Rattle Staff
- 11:30 John Carlson—Chacmool: Who was that Enigmatic Recumbent Figure from Epiclassic Mesoamerica? Reposing the Question.
- 11:45 Karon Winzenz—The Painted Sky Bands of the Maya and the Textile Domain

**[165] GENERAL SESSION ■ CULTURAL RESOURCE MANAGEMENT**

**Room:** 13AB (ACC)

**Time:** 10:15 AM - 12:00 PM

**Chair:** Gwenn Gallenstein

**Participants:**

- 10:15 Evan Peacock—A Critique of the Thematic Approach for Assessing the Significance of Historical Archaeological Sites
- 10:30 Mike ORourke—Mapping Value: Making space for ‘significance’ in GIS-based archaeological site management.
- 10:45 Gwenn Gallenstein—Head in the Clouds: Can Lofty Partnership Ideas Become Real?
- 11:00 Kevin Miller and Kenneth Lawrence—To Drill or Not to Drill: Investigations at the Turkey Terrace Site (41FR70), Frio County, Texas
- 11:15 Diana Greenlee—Measuring Earthwork Stability Under Changing Vegetation Cover at Poverty Point
- 11:30 Steven Meredith and Christopher L. Mickwee—Investigation of Stone Features in Context of Past Interpretations
- 11:45 Colleen Bell and James Holt—Is Digging Archaic? CRM’s Misuse of Academic Methodology

**[166] GENERAL SESSION ■ THE PALEOINDIAN PERIOD IN WESTERN NORTH AMERICA**

**Room:** 8A (ACC)

**Time:** 10:15 AM - 12:15 PM

**Chair:** Robert Rowe

**Participants:**

- 10:15 Andrew Richard—A COMPARISON OF FLUTED AND STEMMED PROJECTILE POINT STRENGTH USING PORCELAIN AS A MEDIUM

Friday Morning, April 25

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- 10:30 Donald Pattee—A Changing Valley, a Changing People?: An Examination of the Prehistoric Occupation of Warner Valley, Oregon  
10:45 Sarah Rice—Paleoindian Land Use and Mobility in the Carson Desert, western Nevada  
11:00 Robert Rowe—The Geomorphology of the Four Sites area along the South Platte in Northern Colorado  
11:15 Edward Knell and Matthew E. Hill—Late Paleoindian Cody Complex Tool Assemblage Variability  
11:30 William Reitz—The Kinchloe Site: Agate Basin Occupation in Central New Mexico  
11:45 Marsha Sims—Extinctions of Fauna in North America, A Focus on Quartzipsammements and Human-Fauna Symbiotic Relationship  
12:00 Kelly McGuire and Nathan Stevens—Following the Cat-tail Highway: Geophytes, Digging Sticks, Formed Flake Tools, and Paleoarchaic Expansion in the New World

**[167] GENERAL SESSION ■ LATE CLASSIC AND POSTCLASSIC MAYA**

**Room:** 8B (ACC)

**Time:** 10:30 AM - 11:30 AM

**Chair:** Christopher Gunn

**Participants:**

- 10:30 Caroline Parris—Refitting Refuse: An Assessment of Late Classic Maya Depositional Behavior  
10:45 Annabeth Headrick—Chichen Itza's Osario: Where Warriors Danced in Paradise  
11:00 Christopher Gunn—Market Exchange and Household Provisioning in the Kiuic Polity during the Puuc Florescence  
11:15 Angela Mcardle—Finding Meaning in a Postclassic Obsidian Core Cache

**[168] SYMPOSIUM ■ UNEARTHING NEW SPAIN: HISTORICAL ARCHAEOLOGY IN THE SOUTHWEST**

**Room:** 18C (ACC)

**Time:** 10:30 AM - 12:00 PM

**Chair:** Carl Drexler

**Participants:**

- 10:30 Christine Reiser Robbins—Examining Nostalgia in the Old Town Square: The South Texas Urban Parks Public Archaeology Project  
10:45 Nan Rothschild and Heather Atherton—The women of San Jose de las Huertas, NM  
11:00 Carl Drexler—Gateway to the Southwest: Archaeology and the American Settlement of the Great Bend  
11:15 Kelly Jenks—A Tale of Two Villages: Considering Land Tenure in the Spanish and American Periods  
11:30 Kathleen Cande—The Americanization of the Arkansas Ozarks: The Archeology and History of Davidsonville, Arkansas  
11:45 Sarah Cowie and Lisa Machado—Bodily Discipline and Healthcare in a Mining Boomtown: Archaeology of St. Mary's Hospital in Virginia City, Nevada.

**[169] GENERAL SESSION ■ HISTORIC TEXAS**

**Room:** 9B (ACC)

**Time:** 10:30 AM - 12:00 PM

**Chair:** Meredith Moreno

**Participants:**

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Friday Morning, April 25

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- 10:30 Kristi Miller Nichols—Excavations associated with the stabilization of the church at Mission San Juan de Capistrano, San Antonio, Bexar County, Texas  
10:45 Meredith Moreno, Lauren Maas and Michael Crow—Plantation Archaeology in Texas: Excavations at the John Sweeny Jr. Plantation  
11:00 Shirley Boteler Mock—Dreaming with the Ancestors: Black Seminole Women in Texas and Mexico  
11:15 Jannie Scott—Freedom's Institutions: The Archaeology of Antioch Colony's First School and Church  
11:30 Mark Everett, Timothy de Smet and Ruth Mathews—Geophysical Surveys at the Fanthorp Inn State Historic Site (41GM79) in Anderson, Grimes County, Texas  
11:45 James Karbula—The Lucas Gusher Spindletop Oil Field National Historic Landmark Archaeological Investigations of the Golden Triangle Storage Project 90-Acre Central Storage Site, Beaumont, Jefferson County, Texas

**[170] GENERAL SESSION ■ PALEOETHNOBOTANY**

**Room:** 16B (ACC)

**Time:** 10:30 AM - 12:00 PM

**Chair:** Rachel Dwyer

**Participants:**

- 10:30 Sheahan Bestel—Bamboo and Rice: Plant Residues from Artefacts in Southern China  
10:45 Kristin Hoppa—Weaving together the Macro and the Micro: Archaeobotanical Evidence from Middle Holocene Sites on Santa Cruz Island, California  
11:00 Emiliano Gallaga and Terry G. Powis—Early Chili Peppers evidence at the site of Chiapa de Corzo, Chiapas, Mexico.  
11:15 Shanti Morell-Hart—Tricks for Integrating Data from Multiple Types of Botanical Residues  
11:30 Loren Murch and Rob Q. Cuthrell—Effects of Archaeological Laboratory Extraction and Curation Procedures on Starch Granule Integrity and Morphology  
11:45 Rachel Dwyer—Blame it on the Rain: Using statistics to “weed out” plant materials incidentally deposited through “seed rain” or other additive natural transformations

**[171] POSTER SESSION ■ ARCHAEOLOGY OF AFRICA**

**Room:** Ballroom F (ACC)

**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 171-a Sarah Chandlee—Imperialism and the Urban Landscape in Ptolemaic Egypt  
171-b Daphne Gallagher—The Archaeology of Indigo Dyeing in Burkina Faso, West Africa  
171-c Stephen Dueppen—Transformations in Specialized Ceramic Production at Kirikongo, Burkina Faso (15th- 17th Centuries CE)  
171-d Travis Williams and Andrew Gurstelle—Shabe Settlement Dynamics: Archaeological Site Distributions in West Africa during the Transatlantic Slave Trade

**[172] POSTER SESSION ■ EASTERN NORTH AMERICA**

**Room:** Ballroom F (ACC)

**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 172-a Mark Agostini—Comparative Analysis of Indigenous Ceramic Technology for Two Coastal Maine Sites

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Friday Morning, April 25

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- 172-b Dianna Doucette and Nichole Gillis—Localizing Trends Among Inland Drainage Systems: Connecting the Data in Northeastern Massachusetts
- 172-c Daniel Cassedy—Stone Cairn Sites of the Northern Appalachian Plateau
- 172-d Jaclyn Nadeau, Jessica Watson, Steve Moragne, Sean Rafferty and Christina Rieh—Archaeology in the Schoharie Valley: The Pethick Archaeological Field School (2004-2013)
- 172-e Samantha Savory—Brook Farm: A Ceramic Analysis of a Short Lived Utopia
- 172-f Jana Brady—Revealing Prehistoric Connecticut: A GIS Analysis of Archaic Sites in New Haven County
- 172-g Hannah Fitton and Therese Christiansen—The Brunk Site: The Public Outreach Efforts of an Oneida Archaeological Site in Central New York
- 172-h Megan Willison and Kathleen Allen—Understanding Gendered Activities from Surface Collections: An Analysis of the Parker Farm and Carman Cayuga Sites
- 172-i Kathleen Allen and Samantha Sanft—The organization of lithic tool production and use at two sixteenth century Iroquoian sites
- 172-j Cory Palek—A Comparative Analysis of Local and Non-local Chert Usage at Two Late Prehistoric Sites in South Western Pennsylvania.
- 172-k Veronica Peterson—Buried in Burial Data: Statistical Pattern Identification in Native American Burials from Pennsylvania
- 172-l Stephanie Bosch and P. Nick Kardulias—A Geoarchaeological Investigation of the Provenance of Chert Artifacts from the Prehistoric Wansack Site (36ME61) in Western Pennsylvania
- 172-m Stephanie Showalter, Ashley Taylor, Katie Turner, Matt Howryla and Mark Durante—Geophysical Investigations Meters Deep: Examination of the Johnston Site (36IN002), Indiana County, Pennsylvania
- 172-n Kevin Nolan and Brian Redmond—Geochemical and Geophysical Survey and Intra-Settlement Activity Patterns: Pilot Study at a Series of Complex Sites in the Lake Erie Basin
- 172-o Dawn Bringelson—The Conundrum of the West Unit: Understanding Dune Land Prehistory along Southern Lake Michigan

**[173] POSTER SESSION ■ ALASKA AND THE NORTHWEST COAST**

**Room:** Ballroom F (ACC)

**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 173-a Caroline Funk—Aleut Travel Paths in the Waters of the Rat Islands, Western Aleutians, Alaska
- 173-b Joshua Howard and Caroline Funk—Bone Tools of the Rat Islands
- 173-c Elizabeth Carroll—Experimental replication of copper production at the Gulkana Site, Alaska
- 173-d Kathryn Krasinski, Fran Seager-Boss, Kelsey Taormina and Brian Wygal—Late Holocene Land Use in the Middle Susitna River Valley, Alaska
- 173-e Melissa Mueller—Taphonomic Interpretations of Burned Bones from the Susitna River Basin, Alaska
- 173-f Kathryn Mohlenhoff and Virginia Butler—Identifying Marine Fish Vertebrae in Archaeological Sites: A Guide Based on Remains from the Northwest Coast of North America
- 173-g Sarah Shankel, Tianna DiMare, Anthony Graesch and David Schaepe—Methods for Detecting Living Surfaces in Residential Architecture: Penetrometer Readings and other Archaeological Indicators of House Floors at Welqámx (DiRi-15)
- 173-h Patrick Dolan and Colin Grier—Settlement history and economic practice at

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Friday Morning, April 25

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- a late Holocene fisher-hunter-gatherer village in the southern Gulf Islands of British Columbia, Canada
- 173-i Anna Antoniou and Anthony Graesch —The Persistence and Organization of Chipped Stone Tool Production among Stó:lō-Coast Salish Households in southwestern British Columbia: the Analytic and Interpretive Significance of Small Debitage
- 173-j Matt Marino and Justin Hopt—Sacred or Secular? Two perspectives from a Northwest Coast shell midden at Dionisio Point locality, Galiano Island, B.C.
- 173-k Thomas Brown—Settlement patterns and demography: A look at issues regarding the inconsistent reporting of 14C dates in archaeological literature.
- 173-l David Pokotylo, Sandra Peacock and Brian Kooyman —Use, Reuse and the Lifecycle of Earth Ovens on the Canadian Plateau: A Case Study from the White Rock Springs Site (EeRj 226), British Columbia
- 173-m Bryn Letham, Andrew Martindale, Kenneth Ames and Kisha Supernant—Kitan dach (GbTo-34) Revisited: Using Percussion Coring to Explore a Large Shell-Bearing Site in the Prince Rupert Harbour, British Columbia, Canada
- 173-n Adam Rorabaugh—Biederbost (45SN100) Re-examined: A Marpole Aged (2500-1500 BP) House Structure in Puget Sound
- 173-o J. Shoshana Rosenberg and Virginia L. Butler—A Study of Social Rank and Resource Control Using Ichthyofaunal Remains from the Cathlapotle Plankhouse Village Site

**[174] POSTER SESSION ■ MAPPING RELATIONSHIPS**

**Room:** Ballroom F (ACC)

**Time:** 10:30 AM - 12:30 PM

**Chairs:** Aaron Davis and Stephanie LapeyreMontrose

**Participants:**

- 174-a Aaron Davis—Practical and Symbolic Functions of Chacoan Roadways in the Sand Canyon/Goodman Point Region
- 174-b Stephanie LapeyreMontrose—Mapping Success: Available Technology and A Multi-Disciplinary Approach Can Improve the Odds of Hominin Site Discoveries
- 174-c Timothy Garfin and Hector Neff—Exploring Settlement Patterns in the Littoral Zone of the Soconusco Coast
- 174-d Danny Sosa Aguilar—Late Holocene Obsidian Exchange in the Baja California Peninsula
- 174-e Ann Stansell—Memorialization and Memory of Southern California's St. Francis Dam Disaster of 1928.
- 174-f Krystal Kissinger—Whiskey Did Not Build the Aqueduct: New Insights on the Builders of the Los Angeles Aqueduct
- 174-g Carol Plannette—Space Defined: Mortuary Analysis and the Symbolic Depiction of Spatial Organization.
- 174-h Jairo Avila—The Pigment Recipe: Understanding Rock Art Production at Vasquez Rocks

**[175] POSTER SESSION ■ STUDENT CONTRIBUTIONS TO PLATEAU ARCHAEOLOGY IN NORTHWESTERN NORTH AMERICA**

**Room:** Ballroom F (ACC)

**Time:** 10:30 AM - 12:30 PM

**Chair:** Kristen Barnett

**Participants:**

- 175-a Lorena Craig—A Diachronic Perspective on Variation in Lithic Procurement at Housepit 54, Bridge River Site, British Columbia

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Friday Morning, April 25

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- 175-b Rebekah Kneifel—Fire Modified Rocks Illuminated: Material Selectivity of FMR at Bridge River Housepit 54
- 175-c Katherine Hill, Nathan Goodale, Alissa Nauman, David G. Bailey and Anna M. Prentiss—Elemental characterization of floor sediments from Housepit 54, Bridge River housepit village, British Columbia
- 175-d Clair Stover, Nathan Goodale, Alissa Nauman and David Bailey—Measuring the Matrix II: Elemental Characterization of Sediments from HP 6, Slocan Narrows Housepit Village, British Columbia, Canada
- 175-e Alejandra Diaz, Anna Marie Prentiss, Olaf Nehlich and Michael Richards—Diet and mobility on the Canadian Plateau: Isotopic analysis of canids and other fauna from the Bridge River site
- 175-f Jada Molton—Lithic Artifact Distributions and Social Organization in Housepit 54, Bridge River Site, British Columbia
- 175-g Molly Eimers and Alexandra Williams—Tradeoffs and Trade: Adapting Subsistence Practices in the Fur Trade Era

**[176] GENERAL SESSION ■ HISTORICAL ARCHAEOLOGY IN WESTERN NORTH AMERICA**

**Room:** 17B (ACC)

**Time:** 10:45 AM - 12:00 PM

**Chair:** Elizabeth Horton

**Participants:**

- 10:45 Elizabeth Horton—Resistance through Subsistence: Modoc Resource Strategies During the 1873 Modoc War
- 11:00 James Meierhoff, Philip Millhouse and Edward Jakaitis III—Locating Kellogg's Tavern; prairie way station and frontier battlefield during the Black Hawk War 1832
- 11:15 Nicholas Kessler and Ronald Towner—Anthropogenic Landscape Change: Documenting the Effects of Small-scale Historic Logging in Western New Mexico
- 11:30 Ashlee Younie—Consumption in the Mining West: an Analysis of Substitute and Complementary Goods in Aurora, Nevada
- 11:45 Emily Dale—An Overview of Chinese Woodchopping Camps near Aurora, Nevada

**[177] GENERAL SESSION ■ SALT IN THE MAYA WORLD**

**Room:** 16A (ACC)

**Time:** 11:00 AM - 12:00 PM

**Chair:** Jayur Mehta

**Participants:**

- 11:00 Scott Johnson—Emal, Yucatan: Recent Investigation of this Center of Ancient Maya Salt Production
- 11:15 Jayur Mehta and Scott Johnson—A Preliminary Analysis of Surface Soils at Emal, Yucatan, Mexico
- 11:30 Rachel Watson, Heather McKillop and E. Cory Sills—Excavations of Earthen Mounds in the Mangroves at the Paynes Creek Salt Works, Belize
- 11:45 Valerie Feathers, Heather McKillop and E. Cory Sills—Excavating Underwater Maya: Does the Shell Midden Enhance Preservation in the Mangrove Peat?

**[178] GENERAL SESSION ■ OLMEC**

**Room:** 10C (ACC)

**Time:** 11:00 AM - 12:00 PM

**Chair:** Lori Collins

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Friday Morning, April 25

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**Participants:**

- 11:00 Lori Collins and Travis Doering—Imperiled Monument Documentation and 3D Virtualization at the Formative Period Site of Chalcatzingo, Morelos, Mexico  
11:15 Travis Doering—EL MARQUESILLO: A NEWLY RECOGNIZED OLMEC CENTER IN VERACRUZ, MEXICO  
11:30 Joshua Englehardt and Michael Carrasco—Diphrasitic Kennings in Formative Period Art: Olmec Iconography, Grammatical Encoding, and the Emergence of Mesoamerican Writing  
11:45 Taisuke Inoue—Symbolism of Shark Teeth in Olmec Iconography

**[179] GENERAL SESSION ■ MESOAMERICAN FIGURINES****Room:** 8C (ACC)**Time:** 11:00 AM - 12:00 PM**Chair:** Kong Cheong**Participants:**

- 11:00 Mark Harlan—A Semiotic Approach to Variability in Formative Period Mesoamerican Anthropomorphic Figurines  
11:15 Kong Cheong—The Curious Case of Charlie Chaplin Figurines: Ritual Meaning and Context of Small Anthropomorphic Maya Carvings  
11:30 Jennifer Pirtle—Gender, Age, and Status in Ancient West Mexican Figurines Through the Lens of Body Modification  
11:45 Keri Fox and Lisa Overholtzer—An Experimental Project of Mud Men-and-Women, Ceramic Figurines Common in Household Production: Made Locally by the Household or a Specialist?

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Friday Afternoon, April 25

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**Friday Afternoon ■ April 25, 2014**

**[180] GENERAL SESSION ■ OLD WORLD CERAMICS**

**Room:** 10C (ACC)

**Time:** 1:00 PM - 2:00 PM

**Chair:** Susan Kane

**Participants:**

- 1:00 Susan Kane, Sam Carrier and Hillary Conley—Studies of Black-gloss Pottery from Monte Pallano (Italy) I: Archaeological setting and macro-morphology  
1:15 Silvano Agostini—Studies of black-gloss pottery from Monte Pallano (Italy) II: Petrography  
1:30 Hillary Conley—Studies of black-gloss pottery from Monte Pallano (Italy) III: X-ray florescence  
1:45 Sam Carrier, Susan Kane and Hillary Conley—Studies of black-gloss pottery from Monte Pallano (Italy) IV: Multivariate analysis and interpretation

**[181] GENERAL SESSION ■ SPACE, PLACE, AND ARCHITECTURE IN THE MEDITERRANEAN BRONZE AGE**

**Room:** 13AB (ACC)

**Time:** 1:00 PM - 2:30 PM

**Chair:** Rodney Fitzsimons

**Participants:**

- 1:00 Rodney Fitzsimons—Building a State One Stone at a Time: Architectural Energetics and Early State Formation in the Bronze Age Argolid  
1:15 Luke Kaiser—Renovating Architectural Theories of Minoan Fortifications  
1:30 Katherine Jarriel—Terraces and Cycladic Social Landscapes: A Diachronic Perspective  
1:45 Helen Dawson—Sense of place and identity in the prehistoric central Mediterranean islands  
2:00 Philip Cook—The Energetics of Mycenaean Defenses: Sociopolitical Implications of Fortification Construction in the Late Helladic Period (ca. 1600-1100 BC)  
2:15 Jennifer Wexler—Places of Death: New Interpretation of the Development and Utilization of Rock-Cut Tombs in Western Sicily during the Copper and Bronze Ages (circa 3500-900 B.C.).

**[182] SYMPOSIUM ■ WAR WITHOUT BATTLEFIELDS: A COMPARATIVE EXAMINATION OF WARFARE IN NORTH AMERICA**

**Room:** 15 (ACC)

**Time:** 1:00 PM - 2:45 PM

**Chairs:** Christopher Caseldine and Sarah Striker

**Participants:**

- 1:00 Chris Loendorf—Projectile Point Design and Warfare along the Middle Gila River in Arizona  
1:15 Christopher Caseldine—Bloody Creeks or Seasonal Residents: An Examination of Social Interaction in the Spur Cross and Skunk Creek Areas  
1:30 Arley Simon—Competition and Conflict: A Reassessment of the Role of Warfare among Salado Platform Mound Communities in Central Arizona  
1:45 Christopher Watkins—The Bounded Alliance: Cooperation and Conflict in 14th Century Central Arizona  
2:00 John Whittaker, William Bryce and Chuck LaRue—Conflict among Dispersed Early Agriculturalists: Depictions in Basketmaker II Rock Art  
2:15 Sarah Striker and Christopher Caseldine—I Saw the Sign: A Comparative

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Friday Afternoon, April 25

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2:30 Analysis of Warfare Indicators in Ethnographic and Archaeological Cases  
David Dye—Discussant

**[183] GENERAL SESSION ■ ARCHAEOLOGY AND ETHNOHISTORY**

**Room:** 10B (ACC)

**Time:** 1:00 PM - 2:45 PM

**Chair:** Jessica Christie

**Participants:**

- 1:00 Christopher Carr and Christopher Caseldine—An Ethnohistorical Foundation for an Archaeology of Prehistoric Woodland and Plains Native American Cosmologies of Death
- 1:15 Aaron Deter-Wolf—Kanukaski (I am scratching it): Examining the Artifacts of Native American Body Art in the Eastern Woodlands
- 1:30 Keith Eppich—Breath and Smoke: Tobacco among the Maya
- 1:45 Maria Stapleton and Charles Stapleton—Tlaloc: Persistence of an Aztec Deity into Early Colonial Mexico
- 2:00 Jessica Christie—INKA STONE IDEOLOGY IN PERIPHERAL REGIONS OF THE EMPIRE
- 2:15 Jose Maria Lopez Bejarano—Creating and recreating a myth: Inca ritual and administrative centers along the pilgrimage route in the peninsula of Copacabana, Bolivia.
- 2:30 Zachary Chase—The Myths of a History: Wak'as, Temporality, and Performative Historicities in Huarochirí, Peru (ca. A.D. 1500-1700)

**[184] FORUM ■ GENDER DISPARITIES IN RESEARCH GRANT SUBMISSIONS**

(Sponsored by Committee on the Status of Women in Archaeology)

**Room:** 8A (ACC)

**Time:** 1:00 PM - 3:00 PM

**Moderator:** Sarah Herr

**Participants:**

Lynne Goldstein—Discussant

Barbara Mills—Discussant

Sarah Herr—Discussant

**[185] FORUM ■ STUDENT FUTURES PART 1: SURVIVING AND THRIVING AS A STUDENT**

(Sponsored by Student Affairs Committee)

**Room:** 8B (ACC)

**Time:** 1:00 PM - 3:00 PM

**Moderator:** Erin Baxter

**Participants:**

Margaret Conkey—Discussant

Davina Two Bears—Discussant

Frances Hayashida—Discussant

Larry Zimmerman—Discussant

**[186] SYMPOSIUM ■ NEW HOLOCENE RESEARCH IN THE TURKANA BASIN, KENYA: POPULATION CHANGE, SUBSISTENCE, AND CEREMONY**

**Room:** 9A (ACC)

**Time:** 1:00 PM - 3:15 PM

**Chair:** Katherine Grillo

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Friday Afternoon, April 25

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**Participants:**

- 1:00 Kendra Chritz, Elisabeth Hildebrand and Thure Cerling—Isotopic indicators of terrestrial ecosystem change in the Turkana Basin: Implications for the Holocene archaeological record
- 1:15 David Wright, Steven Forman, Elisabeth Hildebrand and Christopher Bloszies—To fish or cut bait: Changing subsistence strategies in the face of Holocene environmental changes in Turkana, Kenya
- 1:30 Benjamin Smith—Barbed Bone Points: 10,000 Years of Fishing on the Shores of Lake Turkana
- 1:45 Elisabeth Hildebrand, Katherine Grillo and Anneke Janzen—Construction of megalithic pillar sites in the middle Holocene of NW Kenya: Social change on an economic frontier
- 2:00 Susan Pfeiffer and Elizabeth Sawchuk—Funerary Practices in the West Turkana Pillar Sites: Evidence from the Burials
- 2:15 Katherine Grillo—"Nderit:" Typology, Archaeography, and the Implications of Pottery Use at Ceremonial Sites in the Turkana Basin
- 2:30 Sarah Pilliard—Stone tools on the moving frontier: Lithic technology and early herding in northwest Kenya
- 2:45 Sam Derbyshire—Turkana Past and Present: Tracing Change with the People of the Grey Bull
- 3:00 Questions and Answers

**[187] SYMPOSIUM ■ CULTURAL EVOLUTION OF NEOLITHIC EUROPE****Room:** 8C (ACC)**Time:** 1:00 PM - 3:15 PM**Chair:** Stephen Shennan**Participants:**

- 1:00 Stephen Shennan—Demography and the Cultural Evolution of Neolithic Europe
- 1:15 Adrian Timpson—European Neolithic population surface
- 1:30 Katie Manning—Cycles of change in Neolithic animal exploitation strategies
- 1:45 Sue Colledge—Stability and change in European Neolithic and early Bronze Age agricultural systems
- 2:00 Kevan Edinborough, Enrico Crema and Stephen Shennan—Evolution of Arrowhead Complexity in Neolithic Europe
- 2:15 Tim Kerig—Population dynamics and the flow of knowledge and substances: a new perspective on flint mining and the earliest metallurgy in Neolithic Europe
- 2:30 Enrico Crema—Simulating isolation by distance in space and time
- 2:45 Anne Kandler and Stephen Shennan—A non-equilibrium framework for analysing cultural change
- 3:00 Questions and Answers

**[188] GENERAL SESSION ■ HISTORICAL ARCHAEOLOGY IN LATIN AMERICA****Room:** 18C (ACC)**Time:** 1:00 PM - 3:00 PM**Chair:** Ryan Hechler**Participants:**

- 1:00 Hali Thurber, Stephen Yerka, Ryan Smith and Steven Wernke—What lies just below the surface: multi-instrument geophysical study at Mawchu Llacta, Peru.
- 1:15 Gabriela Ore Menendez and Steven Wernke—Time Maps: Site-Intensive Lichenometric Survey at a Planned Colonial Town in Highland Peru

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Friday Afternoon, April 25

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- 1:30 Ryan Hechler—¡Salud!: A Study of Aguardiente in the Western Montaña of Ecuador
- 1:45 William Pratt and David Brown—Searching for Truth in Local Legends: Investigations at the Chapel of Ecuador's Oldest Hacienda
- 2:00 Collin Gillenwater—Agency at Hacienda Pancota: Early Colonial Daily Consumption of a Contested Age and Material Culture
- 2:15 John Chenoweth—Foundation Deposits in the Eighteenth Century Caribbean
- 2:30 Khadene Harris and Mark Hauser—POST EMANCIPATION SHIFTS: LAND, LABOR AND FREEDOM ON THE BOIS COTLETTE ESTATE, DOMINICA AFTER 1838
- 2:45 Matthew Elverson and James Garber—A Smoker's Delight: An Analysis of English Tobacco Pipes from St. George's Caye, Belize

**[189] SYMPOSIUM ■ RE-CONNECTING MUSEUM-BASED AND FIELD RESEARCH ON THE WEST MEXICAN SHAFT TOMB FIGURES**

**Room:** 14 (ACC)

**Time:** 1:00 PM - 3:30 PM

**Chair:** Christopher Beekman

**Participants:**

- 1:00 Joseph Mountjoy—It's Complicated: 1,250 Years of Shaft and Chamber Tombs in Northwestern Jalisco
- 1:15 Verenice Heredia Espinoza—Reflections on the use of full-coverage archaeological survey in the Tequila valleys of Jalisco, Mexico
- 1:30 Teresa Cabrero—DESCUBRIMIENTO DE TUMBAS DE TIRO SELLADAS EN BOLAÑOS
- 1:45 Marcos Trinidad Zavaleta Lucido and ROSA MARIA FLORES RAMIREZ — REFLEXIONES SOBRE UN PANTEÓN PREHISPÁNICO EXCAVADO EN LA CIUDAD DE COLIMA
- 2:00 Martha Lorenza Lopez Mestas Camberos—Las figuras huecas en la tradición Teuchitlán del centro de Jalisco: ritualidad e identidad social
- 2:15 Jill Rhodes, Barbara Omay, Christina Leriche and Joseph Mountjoy—The People of the Shaft and Chamber Tombs: An examination of the human skeletal remains from the Middle Formative Period El Embocadero II shaft and chamber tomb
- 2:30 Christopher Beekman—The contexts of archaeologically recovered shaft tomb figures in central Jalisco: Who do they represent?
- 2:45 Robert Pickering—Results of external and internal examinations of the human figures from shaft tombs
- 3:00 Cheryl Smallwood-Roberts—Body Language—Interpreting Aspects of Posture, Gesture, and Gender of West Mexico Shaft Tomb Ceramic Figures
- 3:15 Nichole Abbott—Recontextualizing Social Identity in West Mexican Museum Collections

**[190] SYMPOSIUM ■ NEW DEFINITIONS OF SOUTHEASTERN MESOAMERICA: INDIGENOUS INTERACTION, RESILIENCE AND CHANGE - PART 2**

**Room:** 18D (ACC)

**Time:** 1:00 PM - 3:30 PM

**Chair:** Whitney Goodwin

**Participants:**

- 1:00 Marlon Escamilla—Pipil Migrations and Postclassic Ritual Landscapes in the Balsam Coast, El Salvador
- 1:15 William Fowler—You Call It Nequepio, We Call It Cuscatlan: A Sixteenth-Century Parallel for Precolumbian Interaction in Southeastern Mesoamerica

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Friday Afternoon, April 25

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- 1:30 Christopher Begley—The Ancient Mosquito Coast: Why Only Certain Material Culture Was Adopted from Outsiders  
1:45 Virginia Ochoa-Winemiller and Terance Winemiller—The Application of Laser 3D Technology to Determine Common Origin of Ceramic Figurines, Stamps, and Whistles from Honduras  
2:00 Whitney Goodwin—New lines of evidence for examining identity expression among Prehispanic coastal populations of northeastern Honduras  
2:15 Lorena Mihok and E. Christian Wells—The Royalization of Northern Honduras, 1502-1788: Trajectories of the Pech, Miskitu, and Tolupan  
2:30 Rus Sheptak—"After the Conquest": The Archaeology of Colonial Honduras  
2:45 Rosemary Joyce—HONDURAS AS AN OBJECT OF ARCHAEOLOGY  
3:00 E. Wyllys Andrews—Discussant  
3:15 Questions and Answers

**[191] SYMPOSIUM ■ IDENTITY ALONG THE FRONTIERS OF THE MAYA AREA: CULTURAL INTERACTIONS AND EXPRESSIONS FROM THE EARLY CLASSIC TO THE COLONIAL PERIOD**

**Room:** 19A (ACC)

**Time:** 1:00 PM - 4:00 PM

**Chairs:** Cameron McNeil and Edy Barrios

**Participants:**

- 1:00 Philippe Costa, Eric Gelliott, Simon Mercier and Sébastien Perrot-Minnot—Cultural dynamics through rock art in eastern Salvador  
1:15 Paola Torres—Los juegos de pelota de Cancún: un medio en el reforzamiento de la identidad cultural de un sitio fronterizo  
1:30 Zachary Hruby—The Problem of Identity on the Motagua  
1:45 Marc Wolf—Ancient Maya Frontiers in the Verapaz Departments of Guatemala  
2:00 Matt OMansky—Shaping Identity along Maya Trade Routes: The View from the Highland-Lowland Interface  
2:15 Walter Burgos, Edy Barrios and Paola Torres—Descifrando la identidad de un pueblo fronterizo: Investigaciones en el sitio Río Amarillo, Copán  
2:30 Cameron McNeil, Cassandra Bill, Paola Torres and Zachary Hruby—Negotiating Identity at Río Amarillo: Preservation and Resilience from the Late Classic to the Postclassic Period  
2:45 Marshall Becker—Tracing Identity in Ceramic Production Techniques: Kilns and Firing Pits in Mesoamerica  
3:00 Roberto Lopez Bravo and Elizabeth Paris—Maintaining the Western Maya Frontier: Highland Chiapas in the Early Postclassic Period  
3:15 Sarah Barber—Peripheries and Crossroads: Shifting Boundaries and Identities on the Mar del Sur  
3:30 Mario Aliphat and Laura Caso Barrera—Ethnic and Political Identity in the Southern Maya Lowlands  
3:45 Questions and Answers

**[192] SYMPOSIUM ■ FISH AND FISHING IN THE PRE-COLUMBIAN AMERICAS**

**Room:** 10A (ACC)

**Time:** 1:00 PM - 3:45 PM

**Chair:** Billie Follensbee

**Participants:**

- 1:00 Tanya Peres—Shellfishing Does Not Equal Starvation: Debunking Modern Biases Against an Ancient Lifeway in Tennessee  
1:15 Carl Wendt—Fishing in the Olmec World

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Friday Afternoon, April 25

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- 1:30 Rae Ann Rockwell and Billie Follensbee—Fishing-Related Imagery and Ritual among the Gulf Coast Olmec  
 1:45 Peter Keeler and Cherra Wyllie—AFTER XOC: Beyond the Olmec  
 2:00 David Maxwell—Stings and Puffers: Ritual Fish use at Tikal  
 2:15 Nayeli Jiménez-Cano and Thelma Sierra-Sosa—Let the Fishes Speak: Prehispanic Maya Fisheries in Xcambó, Yucatán, Mexico.  
 2:30 Gabrielle Vail—Relating Aquatic Imagery and Themes in Late Postclassic Maya Contexts to Creation Mythology  
 2:45 Christopher Götz, Carlos Andrés García Paz, Derek Smith, Dominique Rissolo and Jeffrey B. Glover—The View from Laguna Holbox: Ancient Maya Fishing and Foraging along the North Coast of Quintana Roo, Mexico  
 3:00 Sarahh Scher—The Boat Woman's Dress: Net imagery and meaning in Moche iconography  
 3:15 Robert Bradley—Aquatic Imagery in Moche Art and Culture  
 3:30 Questions and Answers

**[193] SYMPOSIUM ■ CURRENT RESEARCH IN EVOLUTIONARY ARCHAEOLOGY**  
**Room:** 9C (ACC)

**Time:** 1:00 PM - 4:15 PM

**Chairs:** Briggs Buchanan and Mark Collard

**Participants:**

- 1:00 Briggs Buchanan, Mark Collard and Michael O'Brien—Point type diversification: a quantitative test of competing hypotheses  
 1:15 Jonathan Scholnick and Mark Collard—Investigating cultural transmission among historic New England gravestone carvers with social network analysis  
 1:30 James Conolly—Mobility, territoriality, and costly signals in Middle Woodland south-central Ontario: using network models and evolutionary ecology to predict the locations and characteristics of central places in the archaeological record  
 1:45 Mark Madsen and Carl Lipo—Cultural Transmission of Structured Knowledge and Technological Complexity: Axelrod's Model Extended  
 2:00 Luke Premo—Cultural transmission and diversity in time-averaged assemblages  
 2:15 Thomas Winter, Anna Marie Prentiss, Matthew J. Walsh and Kristen D. Barnett—Phylogenetic Analysis of the Arctic Small Tool tradition: Implications for History and Cultural Macroevolution in the North  
 2:30 Mark Collard, Briggs Buchanan, Michael O'Brien and Jonathan Scholnick—Risk, mobility, or population size? Drivers of technological richness among contact-period western North American hunter-gatherers  
 2:45 Kerstin Schillinger, Alex Mesoudi and Stephen J. Lycett—The impact of imitative versus emulative learning mechanisms on artefactual variation: implications for the evolution of material culture  
 3:00 Gilbert Tostevin—Indirect Identification of Adaptive Advantage: The Role of a Behaviorally-informed Approach to Cultural Transmission within Evolutionary Archaeology.  
 3:15 Carl Lipo and Terry Hunt—Easter Island, Archaeological Evidence, and the Evolutionary History of Warfare  
 3:30 Jessica Munson, Martha Macri and Mark Collard—Classic Maya bloodletting rituals in cultural evolutionary perspective  
 3:45 R. Alexander Bentley—Decision-making and evolutionary archaeology  
 4:00 Michael O'Brien—Discussant

**[194] SYMPOSIUM ■ TOO MUCH IS NOT ENOUGH: ABUNDANCE AS AN ECONOMIC PRINCIPLE IN ARCHAEOLOGICAL PERSPECTIVE**

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Friday Afternoon, April 25

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**Room:** Ballroom E (ACC)

**Time:** 1:00 PM - 4:15 PM

**Chair:** Monica Smith

**Participants:**

- 1:00 Monica Smith—Introduction: Abundance as an Economic Principle  
1:15 Maria Zedeño—Bison Wealth, Ritual Wealth: Rethinking the Impact of Abundance on the Rhythm of Hunter Societies  
1:30 James Potter, Mark Varien and Tito Naranjo—Performing Abundance in the Northern American Southwest  
1:45 Christopher Moore and Christopher Schmidt—Dwelling on Abundance in the Ohio Valley Archaic  
2:00 Cheryl Claassen—Abundance for Thanksgiving and Renewal  
2:15 Traci Ardren—Forest Products and Resource Abundance: Asking the Right Questions about Ancient Maya Trade and Urbanism  
2:30 Payson Sheets—The Ceren Village as a Compressed Rural Landscape  
2:45 Elizabeth Klarich, Abigail Levine and Carol Schultz—Abundant Exotics and Cavalier Crafting: Obsidian Use and Emerging Complexity in the Northern Lake Titicaca Basin  
3:00 Katheryn Twiss and Amy Bogaard—Coping With Abundance: The Challenges of A Good Thing  
3:15 Jennifer Gates-Foster—Abundance and Innovation in the Production of Roman Tablewares  
3:30 Francois Richard—‘Excessive Economies’: Genealogies of Wealth, Labor, and Social Power in Pre-Colonial Senegal  
3:45 Stacey Pierson—Production, Consumption and Visuality: Abundance and Chinese Porcelain, 1350-1800  
4:00 Bruce Winterhalder—Discussant

**[195] SYMPOSIUM ■ RECENT INVESTIGATIONS IN THE PUUC REGION OF YUCATÁN**

**Room:** 18B (ACC)

**Time:** 1:00 PM - 4:30 PM

**Chair:** Meghan Rubenstein

**Participants:**

- 1:00 Rebecca Hill—Geochemical Characterization of Obsidian Artifacts from the Bolonchén District  
1:15 Kenneth Seligson—In Search of Kilns: The Forms and Functions of Annular Structures in the Bolonchen District  
1:30 Melissa Galvan—Stucco Façades in the Puuc region. Interpretation of a Dismantled Stucco Gaçade Found in a Deposit at Kiuic, Yucatan.  
1:45 Maggie Morgan-Smith—Creating Ties, Incurring Debts: Exploring the Role of Life Events through Archival Documents and Oral History from Rancho Kiuic, Yucatan, Mexico  
2:00 Meghan Rubenstein and Philipp Galeev—The Hieroglyphic Platform at Kabah  
2:15 Carlos Pallan Gayol and Antonio Benavides Castillo—The Hieroglyphic Monuments from H-Wasil, Campeche  
2:30 Questions and Answers  
2:45 Michael Smyth, Nicholas Dunning, Eric Weaver, Philip Van Beynen and David Ortegón Zapata—Xcoch: An Enigmatic Large Maya Center in the Puuc Region of Northern Yucatan  
3:00 Iken Paap—Dzehkabtún (Campeche, México) – un Sitio Maya en la Zona Transitoria entre Puuc y Chenes

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Friday Afternoon, April 25

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- 3:15 Lourdes Toscano and JOSÉ HERRERA—Terminaciones Rituales en los Principales Edificios de La Región Puuc  
3:30 Raul Pantoja—Un Acercamiento al Patrón de Asentamiento de Kabah, Yucatán.  
3:45 Gustavo Novelo Rincon and Philipp Galeev—Investigación y Restauración Arquitectónicas en el Codz Pop de Kabah, Yucatán  
4:00 Maline Werness-Rude—Updating the Chocholá Corpus: New Data Advancing Interpretation  
4:15 David Stuart—Discussant

**[196] SYMPOSIUM ■ GEOPHYSICAL APPLICATIONS FOR CEMETERIES AND HUMAN BURIALS**

**Room:** 17A (ACC)

**Time:** 1:00 PM - 4:30 PM

**Chairs:** Sarah Lowry and Shawn Patch

**Participants:**

- 1:00 Geoffrey Jones—Data sampling strategies in geophysical survey of historic cemeteries  
1:15 Katharina Hemingway and Lawrence Conyers—Ground-penetrating Radar Efficacy for Mapping Graves in Variable Ground Conditions  
1:30 Jennie Sturm—Increasing the Effectiveness of GPR Mapping for Unmarked Burials: A Processing and Analysis Approach  
1:45 Sarah Lowry and Shawn Patch—Ground-penetrating Radar as a Tool for Large Cemetery Management  
2:00 Jarrod Burks—Geophysical Survey in Cemeteries: It's About More Than Just Finding Graves  
2:15 Peter Leach—GPR Prospection for Unmarked Graves in Glaciomarine Silts and Clays: A Case Study from Maine, USA  
2:30 Daniel Elliott—Six Feet of Earth, Makes Us All the Same Size; GPR Prospection of Cemeteries in Georgia's Coastal Plain  
2:45 James Pomfret—Geophysical Investigation of Andersonville Cemetery  
3:00 Daniel Bigman—A Comparison of Conductivity Survey Results from Three Cemeteries in Georgia  
3:15 Duane Simpson—Electrical Resistance Survey of Historic Cemeteries: The Pro and Cons of the Technique  
3:30 Russell Quick—No toe-bone left behind: Multi-method geophysics for historic cemetery delineation  
3:45 Stephen Yerka, Gerald F. Schroedl, Daniel W.H. Brock, Joanne L. Devlin and Nicholas P. Herrmann—An open access repository of geophysical survey data for historical and experimental human burials.  
4:00 Kristen Mt. Joy—X-Ray Specs and gadgets: The problem of integrating new technology into traditional cultural resource management programming and planning.  
4:15 Eileen Ernenwein—Discussant

**[197] SYMPOSIUM ■ EMERGENCE AND DEVELOPMENT OF COMPLEX SOCIETIES IN CENTRAL AMERICA: CONDITIONS FOR PRECOLUMBIAN SOCIAL CHANGE**

**Room:** 19B (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chairs:** Silvia Salgado and Gerardo Alarcón Zamora

**Participants:**

- 1:00 Frederick Lange—Discussant

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Friday Afternoon, April 25

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- 1:15 Robert Drennan—Discussant
- 1:30 Lorena Paiz Aragon and Bárbara Arroyo—The Maya Highlands and the Pacific Coast: Two Important Regions for the Development of Social Complexity of Southeastern Mesoamerica
- 1:45 Eva Martínez—Trajectories of Social Change in Prehispanic Honduras
- 2:00 Fabio Amador and Marlon Escamilla—Imaging a Language: New Visual Approaches to Document Ancient Writing Systems in El Salvador
- 2:15 Manuel Roman-Lacayo—Is That All You've Got? Social Complexity in Tisma, Central Pacific Nicaragua
- 2:30 Geoffrey McCafferty—Sonzapote, Power and Authority at an Early Urban Center in Nicaragua
- 2:45 Mauricio Murillo-Herrera—Understanding the Emergence of Community Specialization in San Ramón, Costa Rica
- 3:00 Silvia Salgado, Patricia Fernández and Carolina Cavallini—Interaction between the Atlantic Highlands and Lowlands in the Case of Two Chiefly Villages
- 3:15 Ricardo Vázquez and Robert Rosenswig—The Las Mercedes site: The Emergence of an Important Sociopolitical Center on the Central Caribbean Watershed of Costa Rica
- 3:30 Gerardo Alarcón Zamora—The Temporal Range of Buildings in the Architectural Core of a Village in Costa Rica's Central Caribbean Region: Guayabo de Turrialba
- 3:45 Francisco Corrales-Ulloa and Adrián Badilla-Cambronero—The development of hierarchical societies in the Diquís Delta, Southeastern Costa Rica
- 4:00 Maureen Sánchez—Spatial and Hierarchical Relations Among Political Centers in the Intermediate Lands of South Pacific Costa Rica
- 4:15 Scott Palumbo—Domestic Variation within Isthmo-Colombian Political Centers
- 4:30 Julia Mayo Torne—La Necrópolis de El Caño. Nuevos aportes al conocimiento de las sociedades del istmo centroamericano.
- 4:45 Santiago Giraldo—A View from the South: Some Comparative Notes on Guayabo, Rivas, and the Sierra Nevada de Santa Marta

**[198] SYMPOSIUM ■ LIFE AT THE MARGINS OF THE STATE: COMPARATIVE LANDSCAPES FROM THE OLD AND NEW WORLDS**

**Room:** 17B (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chairs:** Kyle Knabb and Alicia Boswell

**Participants:**

- 1:00 Kyle Knabb—Avoiding 'state-ness' in Iron Age (1200-586 BCE) southern Jordan: Settlement patterns from marginal landscapes associated with autonomous social organization
- 1:15 John Walker—Refuge, Frontier, or Citadel: Mojos as a Political Landscape
- 1:30 Mikael Fauvette and Erin Smith—Beyond the Periphery: Comparing Complexities in Coastal California
- 1:45 Deni Seymour—Remote and Rugged: Historic Apache Landscape Strategies
- 2:00 Ian Lindsay—"Crossroads" through the Caucasus?: Autochthonous Political Development on the Margins of Mesopotamia and the Steppe
- 2:15 Elena Garcea—The southern periphery of Egypt in the predynastic period: Nubia in the 5th and 4th millennium BC
- 2:30 Esteban Gomez—Colonial Legacies and the Historical Marginalization of Eastern El Salvador
- 2:45 Claire Novotny—Marginalized Landscapes and the Social Practice of Archaeological Research: Ancient and Contemporary Perspectives from southern Belize

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Friday Afternoon, April 25

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- 3:00 Tara Carter—Fashionably Late: The Transformative Role Social Networks Play in Social Complexity and Secondary State Formation in So-Called Marginal Societies
- 3:15 Ryan Hughes—Borderland of Empires: Western Georgia and the Southern Caucasus in the 1st millennium BCE
- 3:30 Scott Smith—Political Landscapes of the Upper Desaguadero River Valley, Bolivia
- 3:45 Scott MacEachern—(Un)becoming states: their neighbours and the Vandals south of Lake Chad
- 4:00 Alicia Boswell, Jesus Briceño Rosario and Brian Billman—A Politically Marginal yet Essential Landscape: Late Andean Prehistory in the Yunga of the Moche Valley, Peru
- 4:15 Kent Lightfoot—Life at the Margins of Two Colonial Regimes in California
- 4:30 James Snead—Discussant
- 4:45 Bradley Parker—Discussant

**[199] SYMPOSIUM ■ LOWER PECOS CANYONLANDS ARCHAEOLOGY**

**Room:** 16B (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chairs:** Stephen Black and Carolyn Boyd

**Participants:**

- 1:00 Matt Basham—Living on the Edge: Archaeological Investigations along the Canyon Edge, Eagle Nest Canyon
- 1:15 Daniel Rodriguez—Ongoing Investigations at Two Dry Rockshelters in Eagle Nest Canyon
- 1:30 Ken Lawrence, Brittney Gregory and Charles Frederick—Geoarchaeological Investigations at Kelley Cave (41VV164) and Skiles Shelter (41VV165), Val Verde County, Texas.
- 1:45 Stephen Black and Charles Koenig—Documenting, Sampling, and Conserving Complexly Stratified Rockshelter Deposits
- 2:00 Margaret Howard—Prehistoric Settlement on Devils River State Natural Area, Lower Pecos Texas
- 2:15 Charles Koenig and Stephen Black—Dead Man's Delight: New Approaches to Excavating, Mapping, and Sampling Burned Rock Middens
- 2:30 Ashleigh Knapp—Little Sotol: A Longterm Archaic Earth Oven Facility on Dead Man's Creek
- 2:45 Karen Steelman and Marvin Rowe—Review of Rock Art Dates for the Lower Pecos, TX
- 3:00 Victoria Munoz and Jeremy Freeman—A New Dimension in the Study of the Lower Pecos Canyonlands Rock Art
- 3:15 Kim Cox and Carolyn Boyd—Breaking the Color Code in Pecos River Style Rock Art: Why it is so Important
- 3:30 Elton Prewitt—Painted Pebbles in the Lower Pecos Canyonlands
- 3:45 Erin Helton and Christopher Goodmaster—Geospatial analysis and landscape archaeology in the Lower Pecos Canyonlands
- 4:00 Amanda Castaneda—Nose to the Ground Stone: Exploring Bedrock Features in the Lower Pecos Canyonlands
- 4:15 Kirsten Verostick—Fine-grain Diet Reconstructed from Stable Carbon and Nitrogen Isotopes in Prehistoric Hair: A Case Study from the Lower Pecos Region in South Texas
- 4:30 Mark Willis—Cyberpunk on the Lower Pecos: Augmented and Virtual Realities in the Canyonlands
- 4:45 Questions and Answers

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Friday Afternoon, April 25

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**[200] SYMPOSIUM ■ RECENT ARCHAEOLOGICAL RESEARCH IN NORTH AND WEST MEXICO**

**Room:** 11AB (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chairs:** Andrea Torvinen and Nora Rodríguez Zariñán

**Participants:**

- 1:00 Nancy Dominguez—Lithic reduction sequence in hunter-gatherers sites of north Coahuila, Mexico.
- 1:15 Tanya Chiykowski—Ceramic production and trade at Cerro de Trincheras, Sonora, Mexico
- 1:30 Pablo Martínez, Janeth Castillo , Victor H. Valdovinos and Daniela Rodríguez—Archaeology of Batacosa and Onavas valley in southeastern Sonora, Mexico
- 1:45 Matthew Pailes—Refinement of the Río Sonora Chronological Sequence
- 2:00 Jupiter Martinez—Casas Grandes Regional System in Sonora: architecture and organic artifacts as indicators of daily life and social complexity.
- 2:15 Antonio Reyes, Bridget Zavala and María del Roble Ríos Ortega—Landscapes in the making in the Sextín valley of Durango, Mexico
- 2:30 Ana Iris Murguía Hernandez—Time and the history of occupation in San Bernardo, Durango, Mexico
- 2:45 Questions and Answers
- 3:00 Charles Trombold and Ryan Schuermann—Assessing accuracy of historic archaeological survey maps: A case study of the La Quemada hinterland, Middle Malpaso Valley, Zacatecas, Mexico.
- 3:15 Paula Turkon, Marco Antonio Santos Ramirez, Sturt Manning, Carol Griggs and Katherine Seufer—Contributions of Dendro-14C-Wiggle-Matching to Chronology at Epi-Classic Malpaso Valley Sites, Zacatecas, Mexico
- 3:30 Nora Rodríguez Zariñán—Archaeology and Ethnology, different paths toward the same end. Approaching the Huichol deity Águila Joven through Material Culture.
- 3:45 Loni Kantor—Words and Things: Archaeological Insights from Indigenous Languages
- 4:00 Andrea Torvinen, Ben A. Nelson, Chloé Pomédio and Nora Rodriguez Zariñán—Developing regional chronologies using ceramic metatypologies: An example from Northwest Mexico
- 4:15 Chloé Pomédio—The incised ceramics of Sayula Basin: an interregional perspective
- 4:30 Anna Cohen—Political Authority and Domestic Economy at Angamuco, Mexico
- 4:45 Questions and Answers

**[201] SYMPOSIUM ■ THE FRISON INSTITUTE SYMPOSIUM: INTERNATIONAL PERSPECTIVES ON CLIMATE CHANGE AND ARCHAEOLOGY**

(Sponsored by The Frison Institute, University of Wyoming)

**Room:** 12AB (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chairs:** Robert Kelly and Nicolas Naudinot

**Participants:**

- 1:00 John Kappelman, Lawrence Todd, Jim Feathers, Anne Skinner and Hong Wang—Ages of late Middle Stone Age sites at Shifna in the Horn of Africa
- 1:15 Colin Wren and Ariane Burke—Climate Variability and Risk: Human Settlement of Iberia during the LGM
- 1:30 Miikka Tallavaara, Natalia Korhonen, Miska Luoto and Heikki Seppä—Bioclimatic Modeling Approach and Long-Term Human Population Dynamics in Glacial Europe

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Friday Afternoon, April 25

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- 1:45 Britt Starkovich—Climate Change, Human Population Growth, or Both? Upper Paleolithic Subsistence Shifts in Southern Greece
- 2:00 Nuno Bicho, João Cascalheira, João Marreiros and Telmo Pereira—Rapid Cooling Events, Human Resilience, and Technological Change: The Case of the Portuguese Upper Paleolithic
- 2:15 Philippe Crombé and Erick Robinson—Climate Change Archaeology in the Southern North Sea Basin
- 2:30 Nicolas Naudinot, Mathieu Langlais, Antonin Tomasso, Jérémie Jacquier and Erwan Messager—Environment Changes and Socio-economic Transformations in Western Europe during the Second Half of the Late Glacial: Confrontation of the Azilian/Post-Azilian and Epigravettian Techno-Complexes
- 2:45 Grégor Marchand and Thomas Perrin—Why This revolution? Explaining the Technical Shift of the Late Mesolithic in Western Europe (7th millennium cal BC)
- 3:00 Detlef Gronenborn, Strien Hans-Christoph, Schoene Bernd, Sirocko Frank and Scholz Denis—Dynamics of Neolithic Societies in Temperate Europe—A Palaeoclimatology-Informed Approach
- 3:15 Peter Akkermans, Johan van der Plicht and Olivier Nieuwenhuyse—Climate Change, Culture Change? The 8.2 Ka Climate Event and the Transformation of Neolithic Communities in Upper Mesopotamia
- 3:30 Kevin Malloy and Derek Hall—Conspicuous Consumption as Conservation?: The Effects of Climatic and Environmental Change on Park Landscape Design in Medieval Scotland, AD 1100–1600
- 3:45 Ofer Bar-Yosef—Facing Climatic Hazards: Paleolithic Foragers versus Neolithic Farmers in Asia
- 4:00 Junko Habu and Steven Weber—Mobility, Food Diversity, and Climate Change: Prehistoric Cases from East and South Asia
- 4:15 Valorie Aquino, Douglas J. Kennett, Norbert Marwan, Sebastian F. M. Breitenbach and Yemane Asmerom—Climate Volatility and the Classic Period Maya Political Landscape
- 4:30 Luis Borrero and Fabiana María Martin—Climate Change, Availability of Territory, and the Late Pleistocene Human Exploration of Ultima Esperanza, South Chile
- 4:45 William D'Andrea and Max Friesen—Climate Change and Culture History in the Eastern North American Arctic

**[202] SYMPOSIUM ■ A GIFT FOR PASSION AND DETAIL: LINDA CORDELL, ARCHAEOLOGY, AND BEYOND**

**Room:** Ballroom G (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chair:** Maxine McBrinn

**Participants:**

- 1:00 Maxine McBrinn and Charles Carrillo—Linda Cordell: Her Life and Legacy
- 1:15 Catherine Fowler and Nancy Parezo—They Also Dug: Early Women Archaeologists in Northern New Mexico
- 1:30 Carla Van West—Using Tree-Ring Data to Explore Community Formation in Fourteenth-Century Central New Mexico
- 1:45 Judith Habicht-Mauche—Tijeras in the Ancestral Pueblo World: A Pottery Analysis Perspective
- 2:00 Toni Laumbach and Karl Laumbach—Linda Cordell and the Cañada Alamosa Project
- 2:15 Stephen Lekson and Catherine Cameron—Mesa Verde Migrations
- 2:30 Suzanne Eckert and Deborah Huntley—Moments in Time: Inferring Meaning from Artifact Assemblages at Goat Spring Pueblo, New Mexico
- 2:45 Karin Larkin and Jane Kelley—Recent Interpretations of the Ceramics from the

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Friday Afternoon, April 25

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- Southern Zone of the Casas Grandes  
3:00 Matt Peeples and Gregson Schachner—Comparing the Nature of Aggregated Settlements across the Zuni/Cibola Region  
3:15 Kelley Hays-Gilpin, George Gumerman, Dennis Gilpin and Lisa Young—Picturing Early Pueblo Communities  
3:30 Edward Jolie—Matting Matters in Chaco Canyon, the American Southwest, and Mesoamerica  
3:45 Benjamin Bellorado and Barbara Mills—The Ties that Bind: Textile Imagery, Social Proximity, and Communities of Practice in the Northern Southwest  
4:00 Joseph Traugott—Re-Viewing Ancestral Pueblo Design Strategies  
4:15 Lindsay Randall—After Pecos: Linda S. Cordell's Legacy at the Robert S. Peabody Museum of Archaeology  
4:30 Dody Fugate, Sheila Goff and Leigh Kuwanwisiwma —Toward a Better Understanding of NAGPRA: Contributions by Linda Cordell  
4:45 Don Fowler—Discussant

**[203] SYMPOSIUM ■ INTEGRATING RECENT ADVANCES IN THE MORTUARY AND BIO-ARCHAEOLOGY OF THE MIDDLE HORIZON PERIOD (A.D.500-1000) IN THE SOUTH CENTRAL ANDES**

**Room:** 16A (ACC)

**Time:** 1:15 PM - 4:45 PM

**Chairs:** Sarah Baitzel and Nicola Sharratt

**Participants:**

- 1:15 Nicole Couture and Deborah Blom—Relational Ties: Residential Burials at Tiwanaku  
1:30 Elizabeth Plunger and Paul Goldstein—Tunics, Tapestries, and Gendered Bodies: Male- and Female-associated Clothing Sets from Tiwanaku Burials at Rio Muerto, Moquegua, Southern Peru  
1:45 Nicola Sharratt—Personhood in death, Personhood in life?: Tiwanaku infant burials in the Moquegua Valley, Peru  
2:00 Antti Korpisaari—New Data on the Nature and Date of Tiwanaku Influence in the Azapa Valley, North Chile  
2:15 Allisen Dahlstedt, Sarah Baitzel and Paul Goldstein—As Diverse in Life as in Death?: A Bioarchaeological Approach to Social Identities at the Tiwanaku Omo M10 site, Moquegua, Peru  
2:30 Sarah Baitzel, Allisen Dahlstedt and Paul Goldstein—As They Died, So They Were Buried?: A Mortuary Study of Tiwanaku Social Differentiation at the Omo M10 site, Moquegua, Peru  
2:45 Maria Lozada, Augusto Cardona and Hans Barnard—Middle Horizon Funerary Traditions among the Ramadas in the Vitor Valley of Southern Peru  
3:00 Donna Nash—House Burials or Burying Houses: Elite Wari Mortuary Practices at Cerro Baúl, Peru  
3:15 Patrick Williams and Donna Nash—Wari Burial Practices at Cerros Baul and Mejia  
3:30 Danielle Kurin—Of Mines and Men: Reverberations of Wari Investment in Andahuaylas  
3:45 Milosz Giersz—Wari Imperial mausoleum at El Castillo de Huarmey  
4:00 William Isbell—Discussant  
4:15 Kelly Knudson—Discussant  
4:30 Questions and Answers

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Friday Afternoon, April 25

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**[204] SYMPOSIUM ■ STONES IN MESOAMERICA'S GULF COAST: STUDYING SIGNIFICANCE THROUGH TECHNOLOGIES, FUNCTIONS, AND IDEOLOGIES**

**Room:** 18A (ACC)

**Time:** 1:45 PM - 4:30 PM

**Chairs:** Jillian Mollenhauer, Natalia Donner and Jonathan Hernandez Arana

**Participants:**

- 1:45 Yamile Lira-Lopez—Un estudio del Monolito de Maltrata, Veracruz  
2:00 Natalia Donner and Jonathan Hernandez Arana—La piedra: un recurso multidimensional en la vida cotidiana del antiguo Carrizal, Veracruz  
2:15 Annick Daneels—Stone sculpture in the Lower Cotaxtla Basin: small is significant  
2:30 Cherra Wyllie—Reconsidering Cerro de las Mesas Ceremonial Sculpture  
2:45 Laura O'Rourke—The view from Las Galeras, a small Olmec site in the region of San Lorenzo  
3:00 Hirokazu Kotegawa—La vida de los monumentos escultóricos olmecas  
3:15 Susan Gillespie—The Commoditization of Jade at La Venta  
3:30 Jillian Mollenhauer—Olmec Sculpture and the Aesthetics of Rock Art  
3:45 Rex Koontz—Discussant  
4:00 Barbara Stark—Discussant  
4:15 Questions and Answers

**[205] SYMPOSIUM ■ SMALL SITES, BIG IMPACTS: THE LOCAL LANDSCAPES OF COMPLEX SOCIETIES**

**Room:** 9B (ACC)

**Time:** 1:30 PM - 4:30 PM

**Chair:** Carla Klehm

**Participants:**

- 1:30 Carla Klehm—Can Small Sites Stem the Spread of Inequality? Khubu la Dintša and local dynamics in Iron Age Botswana  
1:45 Abigail Stone—Feeding an African City: Mobility, Pastoralism, and the Development of Urbanism in Mali's Inland Niger Delta  
2:00 Melissa Baltus—Daily Choices, Historical Changes: Revitalization of Thirteenth-Century Cahokia  
2:15 Helina Woldekiros—The role of small-scale border towns in the development of complex societies in the Ethiopian highlands  
2:30 John Millhauser and Christopher Morehart—Hiding in plain sight: the significance of small sites in the northern Basin of Mexico  
2:45 Sarah E. Adcock and Benjamin S. Arbuckle—Animal Economies, Power, and Autonomy in Central Anatolia: A View of the Late Bronze-Iron Age Transition at Çadir Höyük  
3:00 Questions and Answers  
3:15 Patricia Wattenmaker—Hinterland Communities, Rural Elites and the Limits of State Power in Upper Mesopotamia  
3:30 Sofia Laparidou—Peasant life and agricultural practices as mitigating factors against political, economic and environmental stress in middle and late Islamic Jordan: the social significance of phytolith analysis  
3:45 J. Cameron Monroe—Landscapes of Power and Ambivalence in Precolonial Dahomey, West Africa  
4:00 Diane Wallman, Kelly Goldberg and Kenneth Kelly—Settlement and Exchange

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Friday Afternoon, April 25

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- 4:15 During the 19th Century Illegal Slave Trade in the Rio Pongo, Guinea  
Terence D'Altroy—Discussant

**[206] POSTER SESSION ■ PEOPLE AND ANIMALS**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 206-a James Hartley—Environmental Causes of the Extinction of the Pleistocene Megafauna in the Desert Southwest
- 206-b Juan Belardi, Pablo M. Fernández, Isabel Cruz, Mariana De Nigris and A. Sebastián Muñoz—Past Human - Huemul (*Hippocamelus bisulcus*) Interactions in Patagonia (Southern South America): A Zooarchaeological Perspective
- 206-c Clara Otaola—The problem of space averaging in zooarchaeological data from Central Western Argentina: different interpretations about resource “intensification”
- 206-d Steve Wolverton, Miguel Giardina, Matthew Fry, Clara Otaola and Gustavo Neme—Zooarchaeology and Vertebrate Taphonomy of Contemporary Goat Ranching at Puesto Toscal, Western Argentina
- 206-e Ellen Lofaro, Michael Wylde, Susan DeFrance and John Krigbaum—Canids in Pre-Columbian Peru: A Descriptive and Isotopic Analysis
- 206-f Amanda Bernemann—Exploitation of birds by Late Prehistoric forager-farmers along the central Des Moines River
- 206-g Thomas Royle, George P. Nicholas and Dongya Y. Yang—Investigating Long-Term Patterns of Fish Use in the Interior Plateau through the Ancient DNA Analysis of Fishbone
- 206-h Cerisa Reynolds, Meredith Wismer-Lanoë, Robert Brunswig and Frédéric Selleit—Fragmentation of Late Prehistoric Faunal Remains in Northeastern Colorado
- 206-i Ryan Breslawski and David Byers—Bison Processing at Baker Cave III (10BN153), Snake River Plain, Idaho
- 206-j Traci Popejoy, Amy Eddins and Steve Wolverton—Applied Zooarchaeology of the Late Holocene Freshwater Mussel Community in the Upper Trinity River of North Texas
- 206-k Virginia Lucas—Malabar Period Faunal Use at Three Sites in Brevard County, Florida

**[207] POSTER SESSION ■ PEOPLE AND PLANTS**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 207-a Linda Scott Cummings—A Tale of Shape: Refining Our Understanding of Past Plant Use Through Phytolith Morphometrics and Multivariate Statistical Analyses
- 207-b Kate Magargal—Fetching Firewood: Exploring the Relationship Between Site Locations and Fuel Sources
- 207-c Ralph Burillo—Beans, Baskets and Basketmakers: A Test of Cooking Limitations in the Pre-Ceramic Southwest
- 207-d Kelly Swarts, Chris Schmidt, Melissa Kruse-Peeples, Evan Sofro and Edward Buckler—Preliminary results from the genomic analysis of Southwestern US maize landraces
- 207-e Gabriela Gonzalez and Robert J. Hard—Maize Processing and Grinding Technology at Cerro Junaqueña, Chihuahua, Mexico

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Friday Afternoon, April 25

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- 207-f Kayla Worthey and Lisbeth Louderback—Patterns of Chenopodium spp. Seed Use at North Creek Shelter, Utah  
207-g Natalie Mueller—Developing Domestication Criteria for Crops with Knotty Morphologies: Polygonum in the Eastern Woodlands  
207-h Stephen Carmody and Sarah C. Sherwood—Evidence for Upland Origins of Indigenous Plant Domestication on the Southern Cumberland Plateau of Tennessee

**[208] POSTER SESSION ■ ETHNOARCHAEOLOGY, REPLICATIVE STUDIES, AND SITE FORMATION PROCESSES**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 208-a Andrew Boehm and Richard Anderson—Empty Units are Filled with Data: An Example of Investigating Site Formation Processes  
208-b Galen Smith—An Experimental Approach to Fishing Net Replication  
208-c Kathryn Harris, Stefani Crabtree and William Andrefsky, Jr.—The Multifunctional Lives of Points and Flakes: An Experimental Study  
208-d Sarah Ashley and Joshua Watts—Individual Variation in Flake Scar Patterns on Experimental Projectile Points  
208-e Tricia Basdeo, David Raichlen, Brian Wood, Frank Marlowe and Herman Pontzer—Forces on the Forelimb in Traditional Archery Measured in Hadza Hunter Gatherers: Implications for Interpreting Archaeological Skeletal Collections  
208-f Donald Blakeslee—An Experiment in Point Classification  
208-g Sarah McCormick, Kayla Hurd and Elizabeth Arnold—An ethnoarchaeological examination of the utility of tool preparation methods for the production and use of bone and antler needles.  
208-h Linda Chisholm, Kirsten Jenkins, Laura Vietti, Katrina Yezzi-Woodley and Sean Carlson-Greer—Taphonomy of a Cutmark: Post-depositional Changes to Cutmark Morphology in a Simulated Fluvial Environment  
208-i Chelsea Reedy—Experimental Spiral Fractures Based on Butchering Analysis at the Bull Creek Site  
208-j Lauren Milideo and Russell Graham—Wolf Dens as Pseudo-Sites: Identifying the Influence of Wolves on Bone Assemblages

**[209] POSTER SESSION ■ HUMAN EVOLUTION**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 209-a Rebecca Harrison—When and why did handedness evolve?  
209-b Joseph Ferraro, Katie Binetti, Gary Stinchcomb and Fredrick Manthi—Farre: an early Middle Pleistocene archaeological locality in the Chalbi Basin, northern Kenya  
209-c Alison Melville-Mant and Sally McBrearty—Testing Projectile Performance and Diagnostic Impact Fractures on Replica MSA Basalt Points  
209-d David Leslie, Sally McBrearty and Gideon Hartman—Stable Isotopic Evidence for Landscape Environmental Reconstructions, Kapthurin Formation, Kenya  
209-e Haley Gross—A Potential Method for Sourcing Shell Middens: Trace Element Ratios of *Perna perna* Mussels from the Southern Coast of South Africa  
209-f Jayne Wilkins, Naomi Cleghorn, Christopher Shelton, Benjamin J. Schoville and Leesha Richardson—Stone Age archaeology on the Western Head at Knysna,

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Friday Afternoon, April 25

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- 209-g Western Cape, South Africa  
Russell Cutts and Sarah Hlubik—Pyro-Lithics: Experiments from Koobi Fora 2013
- 209-h Matthew Hunstiger and Joshua Feinbert—Analysis of Dorsal Scar Patterns in 3D on Experimental and Middle Paleolithic Debitage
- 209-i Daniel Michael and Julien Riel-Salvatore —Assessing Late Pleistocene Hunter-gatherer Mobility in SE Asia through Lithic Technology

**[210] POSTER SESSION ■ MIDDLE AND LATE ARCHAIC PERIOD SUBSISTENCE AND SETTLEMENT IN THE WESTERN PHOENIX BASIN, ARIZONA: THE LUKE AIR FORCE BASE SOLAR-POWER-ARRAY ARCHAEOLOGICAL DATA RECOVERY PROJECT.**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Chair:** John Hall

**Participants:**

- 210-a Robert Wegener—New Aspects of Archaic Land-Use in the Sonoran Desert: Intensive Excavation at Luke AFB, Arizona.
- 210-b Jason Windingstad, John Hall, Jesse Ballenger and Robert Wegener—Geochronology of Luke Solar
- 210-c Jesse Ballenger and Matt Pailes—The Technological Organization of Desert Hunter-Gatherers During the Middle-Late Archaic Transition in the American Southwest
- 210-d Cannon Daughtrey, Jesse A. M. Ballenger and Rita A. Sulkosky—The Lukeolith: A Newly Described Ground Stone Implement from the Luke Air Force Base Solar-Power-Array Archaeological Data Recovery Project
- 210-e Amelia Natoli, Cannon S. Daughtrey, Rita Sulkosky, Z. Nahide Aydin and Jesse A.M. Ballenger—The Ground Stone Landscape at Luke Air Force Base: A Four-Dimensional Approach
- 210-f John Hall and Mitchell Keur—Extramural Pit Classification: Form, Function, and Archaic period Land-use in the Western Phoenix Basin
- 210-g Heather Miljour—Archaic Period Subsistence and Resource Use in a lower-Bajada Environment
- 210-h Janet Griffitts—Get along little bunnies: a possible early twentieth century rabbit drive in southern Arizona.

**[211] SYMPOSIUM ■ QUARRIES AND EARLY MINES: BREAKING BOUNDARIES**

(Sponsored by Prehistoric Quarry and Early Mines Interest Group)

**Room:** 10C (ACC)

**Time:** 2:30 PM - 4:45 PM

**Chair:** Eric Voigt

**Participants:**

- 2:30 Blanca Maldonado, Diego Salazar and Thilo Rehren—Precolumbian Mining in the Atacama Region of Northern Chile: Present Knowledge and Future Research
- 2:45 Joan Schneider, Tserendagva Yadmaa and Patrick Hadel—A Mongolian Quarry Landscape in the Northern Gobi.
- 3:00 Marcela Poirier, Hendrik Van Gijseghem and Kevin Vaughn—Hematite mining and ritual in ancient Peru.
- 3:15 Anne S. Dowd—Discussant
- 3:30 Ryan Parish—Provenance of Mississippian Chert Sword-form Bifaces Illustrating Selection Diversity in Inter-regional Resource Procurement
- 3:45 Stuart Fiedel—The Back Creek Quarry Complex: A Newly Identified Chert

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Friday Afternoon, April 25

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- 4:00 Source in Northern Virginia  
Jonathan Lothrop, Adrian Burke, Susan Winchell-Sweeney and Gilles Gauthier—Coupling Lithic Sourcing with Least Cost Path Analysis to Model Paleoindian Pathways in the Far Northeast
- 4:15 Jason Ciccone and Juliet Morrow—Paleoindians in the Hudson River Valley: A view from the Cornpile site
- 4:30 Jo Anne Van Tilburg—Easter Island Statue Quarry: Recent Excavations and New Views on Boundaries, Identity and Resource Stewardship

- [212] FORUM ■ STUDENT FUTURES PART 2: CAREER TRACKS FOR STUDENTS IN CRM, ACADEMIA, GOVERNMENT, MUSEUMS (AND MORE!)**  
( Sponsored by Student Affairs Committee)  
**Room:** 8B (ACC)  
**Time:** 3:00 PM - 5:00 PM  
**Moderator:** Erin Baxter

**Participants:**

- William Doelle—Discussant  
Richard Wilshusen—Discussant  
Carla Sinopoli—Discussant  
Maureen Meyers—Discussant

- [213] SYMPOSIUM ■ RE-THINKING THE ARCHAEOLOGY OF DIASPORA, DISPLACEMENT, AND POPULATION MOVEMENT**  
**Room:** 13AB (ACC)  
**Time:** 3:00 PM - 5:00 PM  
**Chair:** Clete Rooney

**Participants:**

- 3:00 Mary Fitts—The Indian Slave Trade and Archaeologies of Community Relocation: An Investigation of Scale and Motivation in Population Movements
- 3:15 Clete Rooney—Diaspora, Displacement and Social Reconstruction: Reconceptualizing Diasporic Archaeology
- 3:30 Keith Ashley—Moving to Where the River Meets the Sea: Origins of the Mill Cove Complex
- 3:45 Josh Torres and David Goldstein—Lost in Paradise: Placing the African Diaspora in the Danish West Indies/United States Virgin Islands
- 4:00 Jamie Arjona—Diaspora and Desire: An Examination of Sexuality in Early 20th Century Jooks
- 4:15 Asa Randall—Migrating mounds unsettled by climate change: insights from Archaic period (ca. 7400-3500 BP) communities of Florida
- 4:30 Brad Lieb—Natchez Refugee Pottery Practices and the Materiality of Identity
- 4:45 Stephen Brighton—Theorizing Comparative Diasporas: A Critical Material Approach

- [214] GENERAL SESSION ■ ARCHAEOLOGICAL THEORY**  
**Room:** 10B (ACC)  
**Time:** 3:00 PM - 5:00 PM  
**Chair:** David Small

**Participants:**

- 3:00 John Murphy—Resilience in a Wider Sense: How Archaeology Might Benefit from and Contribute to New Approaches to 'Resilient' Systems
- 3:15 Claudio Cioffi-Revilla—A Formal Theory of Politogenesis: Towards an Agent Simulation of Social Complexity Origins

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Friday Afternoon, April 25

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- 3:30 David Small—Using the Mortuary Record to Spot Phase Transitions  
3:45 Alice Kehoe—Wrong Words  
4:00 Ian Kretzler and Ben Marwick—Understanding Archaeological History through Textual Macroanalysis: The Role of Feminism in Gender Research  
4:15 Koji Mizoguchi—How can we be 'responsible' archaeologically?  
4:30 Emilio Santiago, Matthew Sanger and Emma Gilheany—Scaffolds and links, or how to trace staged-learning through a productive chain  
4:45 J. Scott Cardinal—Why Be Normal? The Critical Paradox and Necessary Role of Normativity

**[215] GENERAL SESSION ■ HERITAGE MANAGEMENT**

**Room:** 8A (ACC)  
**Time:** 3:15 PM - 5:00 PM  
**Chair:** Ethan Watrall

**Participants:**

- 3:15 Gertjan Plets—When Scientific, Indigenous and Capitalist Epistemologies Collide - Investigating heritage conflicts and repatriation in contemporary Russia  
3:30 Kathryn Whalen—Avocational Archaeologist Knowledge Project  
3:45 Ethan Watrall—msu.seu: a model for mobile public heritage and archaeology  
4:00 Katharyn Hanson, Brian Lione and Jessica Johnson—Archaeological Site Preservation Instruction: The Iraqi Institute for the Conservation of Antiquities and Heritage, University of Delaware  
4:15 Linda Gosner—The Afterlife of Industrial Landscapes: Strategies for Cultural Heritage Management of Ancient and Historical Mining Sites in Spain and Beyond  
4:30 Alexandra McCleary—Affective and Effective Objects: the Museological Odyssey of a New Mexican Accession  
4:45 Katharine Fernstrom—Topics in the Ethics of Appraising Art-Made-for-Sale and Commodified Antiquities

**[216] GENERAL SESSION ■ SOUTHEASTERN NORTH AMERICA**

**Room:** 15 (ACC)  
**Time:** 3:30 PM - 4:30 PM  
**Chair:** John Turck

**Participants:**

- 3:30 John Turck and Victor Thompson—Measuring the Impacts of Past Behavior on the Present Environment: A Case Study from the Georgia Coast  
3:45 Carla Hadden and Maran Little—A Comparison of Cool- and Warm-Season Subsistence Practices on the Woodland Gulf Coast (USA)  
4:00 Meagan Dennison, Lucinda Langston , Jay Franklin, Jeffrey Navel and Sierra Bow —Illuminating Prehistoric Chaînes Opératoires on the Upper Cumberland Plateau of Tennessee Using GIS Modeling and Optimal Foraging Strategies  
4:15 Janet Rafferty—Site Occupation: Repeated or Continuous Use

**[217] GENERAL SESSION ■ LITHIC ANALYSIS**

**Room:** 8C (ACC)  
**Time:** 3:30 PM - 5:00 PM  
**Chair:** MacLaren Law De Lauriston

**Participants:**

- 3:30 Timothy Lambert-Law De Lauriston—An Exploration of Use-Wear Analysis on Acheulean Large Cutting Tools: The Cave of Hearths' Bed 3 Assemblage

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**Friday Afternoon, April 25**

- 3:45 MacLaren Law De Lauriston—The effect of contact with farmers on hunter-gatherers' lithic assemblages: use-wear analysis of stone tools from Holkrans, North West Province, South Africa
- 4:00 Tim Maloney—Detecting changing technological investment in bifacial point technologies from northern Australia
- 4:15 Kaoru Akoshima—Escaping the confines of use-wear identification: high power, low power, and raw materials in lithic microwear analysis
- 4:30 Joshua Lynch and Jim Wiederhold—Experimental Testing of Composite Points, a Pilot Study
- 4:45 Eric Heffter and Kele Missal—Absolute Beginners: Indicators of knapping expertise in simple technologies

**[218] GENERAL SESSION ■ EARLY PREHISTORY IN NORTHEASTERN NORTH AMERICA****Room:** 9A (ACC)**Time:** 3:30 PM - 5:00 PM**Chair:** Steven Moragne**Participants:**

- 3:30 Elizabeth Chilton, Dianna Doucette, Katie Kirakosian, Deena Duranleau and David Foster—Evaluating the Drivers and Triggers of Ecosystem Dynamics in Pre-Contact New England
- 3:45 Jessica Watson—Flintknapping in New England: Stone Tool Analysis at the Rebecca Nurse Homestead, Massachusetts
- 4:00 Cosimo Sgarlata—Evidence of Primary Forest Efficiency in Southern New England's Late Archaic Period
- 4:15 Ora Elquist—The Old Place Neck Site: New Data for an Old Problem
- 4:30 Michelle Lelièvre—Temporal changes in marine shellfish use: A view from the north Atlantic
- 4:45 Steven Moragne—Extremely Small Things Forgotten: Microartifact Analysis at the Pethick Site

**[219] GENERAL SESSION ■ NORTH COASTAL PERU****Room:** 18C (ACC)**Time:** 3:30 PM - 5:00 PM**Chair:** Jordan Downey**Participants:**

- 3:30 Marcia Arcuri and Ignacio Alva Meneses—Discutindo a origem e o desenvolvimento dos Estados na costa norte andina: cinco mil anos de ocupações no Cerro Ventarron (Lambayeque, Peru)
- 3:45 Jordan Downey—Correcting Old Cultural Sequences: Revisiting the Development of the Virú State on the North Coast of Peru
- 4:00 Jennifer Ringberg—Daily Life and Highland Identity in a Gallinazo-Early Moche Phase Community in the Moche Valley, Peru
- 4:15 Alekxa Alaica—Human-Animal Relations during the Late Moche Period of Coastal Peru: Assessing Relational Ontologies and Material Shifts over Time
- 4:30 Celeste Gagnon, Nicholas Richardson, Fred Andrus and Jennifer Ida—Experimental Chicha Brewing: Implications for Interpreting Skeletal  $\delta^{18}\text{O}$  Values in the Andes
- 4:45 Sally Lynch—Feasting and Power at the Moche Site of Huaca Colorada, Jequetepeque Valley, Peru

Friday Afternoon, April 25

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**[220] GENERAL SESSION ■ SOUTHERN AND CENTRAL GREAT PLAINS**

**Room:** 18D (ACC)

**Time:** 3:45 PM - 5:00 PM

**Chair:** Donna Roper

**Participants:**

- 3:45 Christine Nycz and Matthew Douglass—Chipped Stone Analysis from Two Middle Holocene Archaeological Sites in the East Central Great Plains  
4:00 Bretton Giles, Eric Skov and Shannon Koerner—Exploring the Variability of Upland Prehistoric Sites in the Central Plains  
4:15 Mary Adair—Dating the Arrival of the Common Bean (*Phaseolus vulgaris*) in the North American Central Great Plains  
4:30 Donna Roper and Richard Josephs—Ceramic Production on the Late Prehistoric Central Plains  
4:45 Susan Vehik—Mother Moon, Father Sun and the Little River Focus Council Circles of Central Kansas

**[221] GENERAL SESSION ■ HISTORIC ARCHAEOLOGY IN EASTERN NORTH AMERICA**

**Room:** 14 (ACC)

**Time:** 4:00 PM - 5:00 PM

**Chair:** LisaMarie Malischke

**Participants:**

- 4:00 LisaMarie Malischke—The Short-Lived Site of Fort St. Pierre (1719-1729) in Comparison to Other Early Colonial Louisiane Locales throughout the Mississippi River Corridor.  
4:15 Matthew Chouest—Caves and Class: Excavations at the Lang-Jourdan House in Mandeville, Louisiana  
4:30 Lance Greene and Matthew Luke—The Whole Shebang: The Use of LiDAR Technology to Identify and Record Union Prisoners' Huts at the Confederate POW site of Camp Lawton  
4:45 Scott Butler—Archaeological Data Recovery at Mitchelville (38BU2301), a Freedmens Village, Hilton Head Island, SC

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Saturday Morning, April 26

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**Saturday Morning ■ April 26, 2014**

- [222] SYMPOSIUM ■ STUDYING SOCIAL VARIATION AT THE COMMUNITY AND REGIONAL LEVELS FOR THE MIDDLE BRONZE AGE ON THE GREAT HUNGARIAN PLAIN**  
Room: 13AB (ACC)  
Time: 8:00 AM - 9:15 AM  
Chairs: Paul Duffy and Julia Giblin

**Participants:**

- 8:00 Györgyi Parditka and Paul R. Duffy—Mortuary Practice and the Emergence of Middle Bronze Age Communities on the Great Hungarian Plain  
8:15 Danielle Riebe and Paul Duffy—Baroque by Whose Hand? Detailing the Regional Production of Finewares in Middle Bronze Age Hungary  
8:30 Paul Duffy, Apostolos Sarris, Roderick Salisbury, Paja László and Natale Fuller—Remote Sensing, Soil Cores and Systematic Survey in Mortuary Landscape Analysis  
8:45 Laszlo Paja, Julia I. Giblin, Györgyi Parditka and Paul R. Duffy—Cremations in Contexts: the Micro-stratigraphic Investigation of Population and Practice at the Middle Bronze Age Cemetery of Békés Jégvermi-kert, Hungary  
9:00 Julia Giblin, Paul Duffy, Laszlo Paja and Gyorgyi Parditka—Social Variability during the European Bronze Age: Isotope Results from Cremains and Inhumations from Békés Jégvermi-kert, a Middle Bronze Age Cemetery in Eastern Hungary

- [223] GENERAL SESSION ■ OLD WORLD PALEOLITHIC**

Room: 8C (ACC)  
Time: 8:00 AM - 9:15 AM  
Chair: Christopher Ames

**Participants:**

- 8:00 Lauren Nareau—Comparative Attribute Analysis of Stone Tools from Tabun Cave.  
8:15 Christopher Ames, April Nowell, James T. Pokines and Carlos E. Cordova—New evidence of Paleolithic occupation in the Shishan Marsh, Jordan: report on the 2013 field season of the Azraq Marshes Archaeological and Paleoecological Project  
8:30 Kayla Wopschall—Pygmy Hippos of Cyprus: An Interdisciplinary Approach to Understanding Late Pleistocene Magafauna Extinctions  
8:45 Gabriel Popescu—Edge length and flake production strategies in the Middle Paleolithic of Romanian Southern Carpathians  
9:00 Karisa Terry, Masami Izuhara, Noriyoshi Oda and Ian Buvit—Adaptive Network Strategies and Landscape Use: Geochemical Obsidian Sourcing and Tool Consumption During the Last Glacial Maximum in Hokkaido, Japan

- [224] GENERAL SESSION ■ ABANDONMENT IN THE MAYA WORLD**

Room: 9C (ACC)  
Time: 8:00 AM - 9:15 AM  
Chair: Debora Trein

**Participants:**

- 8:00 Maxime Lamoureux St-Hilaire and Evan A. Parker—A Behavioral-Contextual Approach to On-Floor Assemblages  
8:15 Kenichiro Tsukamoto—An Analytical Approach to Termination Ritual at the Classic Maya center of El Palmar, Campeche, Mexico  
8:30 Leann Du Menil—Structure and Termination Deposit of Lubul Huh, Baking Pot, Belize

Saturday Morning, April 26

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- 8:45 Debora Trein—Close the Door When You Leave: Termination Deposit at a Temple Structure at the site of La Milpa, Belize  
9:00 Emma Chambers-Koenig—Ritual Deposits and Abandonment Processes at Aguacate Uno, Belize

**[225] GENERAL SESSION ■ ARCHAEOLOGICAL PRACTICE**

**Room:** 9B (ACC)  
**Time:** 8:00 AM - 9:15 AM  
**Chair:** Christopher Gillam

**Participants:**

- 8:00 Neil Puckett—Lost and Found: Using GIS to Identify Viable Underwater Projects  
8:15 Christopher Gillam—Advances in Archaeological Geographic Information Science: A Perspective from South Carolina  
8:30 Antoinette Egitto—Remote sensing in identifying, mapping, and understanding the use of karez water systems in Maywand District, southern Afghanistan  
8:45 Ragnar Saage—Photogrammetry as a documentation tool during fieldwork, research and result presentation phase.  
9:00 Christopher Noll—Approaches Toward the Replicable Classification of Archaeological Sites Based on Archaeological Survey Data

**[226] SYMPOSIUM ■ STATE FORMATION IN EARLY JAPAN**

**Room:** 9A (ACC)  
**Time:** 8:00 AM - 9:30 AM  
**Chair:** Ken-ichi Sasaki

**Participants:**

- 8:00 Kunihiko Wakabayashi—Society during the Yayoi Period of late prehistoric Japan  
8:15 Tetsuo Hishida—State Formation Process in Japan from Economic Standpoint  
8:30 Masanori Kawano—Nature of Authority during the Kofun Period from the Standpoint of Iron Agricultural Tools  
8:45 Tatsuo Nakakubo—Change in Patterns of Cultural Interaction in the Early State Formation in Japan  
9:00 Yutaka Tanaka—Progress in Land Transportation System as a Factor of the State Formation in Japan  
9:15 Ken-ichi Sasaki—State Formation in Eastern Peripheral Region of Japan

**[227] GENERAL SESSION ■ PRECLASSIC AND CLASSIC MAYA**

**Room:** 18D (ACC)  
**Time:** 8:00 AM - 9:30 AM  
**Chair:** Flavio Silva De La Mora

**Participants:**

- 8:00 Arianne Boileau—Maya animal exploitation during the Middle Preclassic period: Prey choice, habitat use and transport decisions at Pacbitun, Belize  
8:15 Carlos Morales-Aguilar, Alejandro Patiño, Philippe Nondédéo and Richard D. Hansen—Cultural Change and Continuity in the Maya Lowlands: Understanding the Transition from the Late Preclassic to Early Classic at Mirador Basin  
8:30 Edwin Roman-Ramirez—The Buried Palace: The Process of a Planned and Slow Abandonment of the Early Classic Group of El Diablo at the Maya site of El Zotz, Petén Guatemala  
8:45 Alyce De Carteret—The Red Shift: Insights into Polity Style from the Classic Maya Site of El Zotz, Guatemala  
9:00 Ana Luisa Izquierdo—La importancia política de las unidades mayas de parentesco en un sistema de gobierno heterárquico en la época Clásica

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Saturday Morning, April 26

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- 9:15 Flavio Silva De La Mora—How were they getting around? Looking at communication and exchange routes in the Northwestern Maya Lowlands during the Classic Maya: a study in the Palenque-Chinikihá region.

**[228] GENERAL SESSION ■ TEACHING ARCHAEOLOGY**

**Room:** 15 (ACC)

**Time:** 8:00 AM - 9:45 AM

**Chair:** Michael Bisson

**Participants:**

- 8:00 Gregg Harding and Jess Hendrix—Heritage Education within High School: A Public Archaeology Case Study of the Scott Site
- 8:15 Samuel Connell—Continental Shift: The Search for New Field Sites in Asia and Europe During the Age of the Field School
- 8:30 Anne Griffith—Field School at the Community College Level: A Happy Medium
- 8:45 Michael Bisson—Teaching Complexity and Ambiguity in an Introductory World Prehistory Course
- 9:00 Nathan Heep and Whitney Lytle—Archaeology, Public Outreach, and the University
- 9:15 Kalena Giessler, Daniella Newman, Ruchika Tanna, Vahan Bedelian and Lynn Dodd—ARC Smart: Promoting Archaeology Through Educational Outreach with Robust Longitudinal Assessment
- 9:30 Andrew Riddle and Amy Fox—Wiki Technology in Service of Archaeology

**[229] FORUM ■ ERROR, SENSITIVITY ANALYSIS, AND UNCERTAINTY IN ARCHAEOLOGICAL COMPUTATIONAL MODELING**

**Room:** 8B (ACC)

**Time:** 8:00 AM - 10:00 AM

**Moderator:** Marieka Brouwer Burg

**Participants:**

- C. Michael Barton—Discussant
- R. Kyle Bocinsky—Discussant
- Jon Carroll—Discussant
- William Lovis—Discussant
- Hans Peeters—Discussant
- Sander Van Der Leeuw—Discussant
- Joshua Watts—Discussant
- Thomas Whitley—Discussant

**[230] POSTER SESSION ■ ARCHAEOLOGY OF THE MODERN WORLD**

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 230-a Michelle Cole, Daniel Sandrowicz, Katharine Craig, Kate Adam and Kirk Smith—Geophysical Investigations of the Walter L. Main Circus Train Accident in Tyrone, Pennsylvania
- 230-b Katie Hill—Adobe Walls: An Example of Depression Era Parkitecture
- 230-c Susan Edwards and Jeffrey Wedding—Jack Northrop's Flying Wings at Roach Lake
- 230-d Davina Two Bears—Intertwined Histories of the Navajo and Japanese at the Old Leupp Boarding School Historic Site
- 230-e Nikki Manning, Kelly Dixon, Pei-Lin Yu, Mary Bobbitt and Ayme Swartz—What Lies Beneath? The Missoula Historic Underground Project

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Saturday Morning, April 26

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- 230-f Anthony Graesch and Timothy Hartshorn—Cigarette as Artifact: An Archaeological Ethnography of Bars, Smoking, and Social Identity on the Urban Landscape
- 230-g Evan Carpenter and Steve Wolverton—Plastic Litter as Material Culture: The Applied Archaeology of Stream Pollution
- 230-h Katherine Hall, Anna Antoniou, Haeden Stewart, Jess Beck and Jason De León —Exploring the taphonomic processes that impact the remains of undocumented border crossers in the Sonoran Desert of Arizona
- 230-i Anna Forringer-Beal, Polina Hristova, Samantha Grabowska, Cameron Gokee and Jason De León—Hiding in Plain Sight: Gendered Strategies of Survival and Subterfuge along the Migrant Trail
- 230-j Colleen Beck and Ben McGee—The Bottle as the Message: Solar System Escape Trajectory Artifacts

**[231] POSTER SESSION ■ CULTURE CONTACT AND COLONIALISM**

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 231-a Kisha Supernant, Aaron Coons and Katie Tychkowsky— Different Assemblages, Same People? Comparing Métis Wintering Site Assemblages on the Canadian Prairies
- 231-b Timothy Carn—Uncovering Native American/Colonial Relations on the Western Frontier During the French and Indian War Through a Comparative Study of Material Culture Remains
- 231-c Evan Giomi—Potential for Piro History along the Lower Rio Grande at Tiffany Pueblo
- 231-d Katherine Turner-Pearson—The Stone Site (41ML38): A Contact Period Waco Indian Village Frozen in Time
- 231-e James Nyman and Vincas Steponaitis—Indian Pottery at Fort Rosalie in Natchez, a French Colonial Outpost in the Lower Mississippi Valley, 1716-1763
- 231-f Rebecca Nathan—Placing Seventeenth Century Lakota and Dakota villages in Northern Minnesota: A Close Examination of Guillaume Delisle's 1697 Map of the upper Mississippi
- 231-g Thomas Hardy—Wari Colonialism in Middle Horizon Peru: Preliminary Results from the Site of Minaspata, Lucre, Cuzco
- 231-h Miranda Fleming—Spindle Whorls and Spinning Technology as Indications of Ethnic Difference on the Wari-Tiwanaku Frontier, Moquegua, Peru.
- 231-i Patricia Chirinos Ogata—Power relations between Wari and Cajamarca at the empire frontier: Preliminary excavation results from the site of Yamobamba, Namora Valley, Peru
- 231-j Jessica Ritenhouse and Kylie Quave—Faunal Remains from Two Heartland Inka Sites
- 231-k Alejandra Sejas Portillo—Changes in the interactions networks during the Late Period at the Southern shore of The Poopo lake, Bolivia.
- 231-l Gabriel Hassler—Archeobotany of the Reducción Movement in Peru
- 231-m Sarah Kennedy and Nathaniel VanValkenburgh—Daily Life in a Reducción: Spanish Colonial Resettlement at Carrizales (Zaña Valley, Peru)

**[232] POSTER SESSION ■ HISTORICAL ARCHAEOLOGY IN EASTERN NORTH AMERICA**

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

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**Saturday Morning, April 26**

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**Participants:**

- 232-a Fraser Neiman—Archaeological evidence for increasing inequality within a slave settlement at Monticello in the late 18th century
- 232-b Jennifer Rideout—A New Method of Ceramic Economic Indexing in Historical Archaeology: A Case Study from Springfield, Missouri
- 232-c Kelly Kamnikar, Amber Plemons, Nicholas Herrmann, Derek Anderson and Molly Zuckerman—Forensic methods applied in bioarchaeological contexts: The Gale Family Cemetery.
- 232-d Matt McGraw—Sweet Misery: Labor and Power at the Chatsworth Plantation Sugar Mill
- 232-e Kristen Jeremiah—The Archaeology of Fort Travis
- 232-f Jackie Rodgers—Crossing the Line: Reanalyzing Archaeological Investigations of Pensacola's Red Light District
- 232-g Elizabeth Usherwood—A Giant's Strength: A Multisited, Spatial Biography of 19th Century Florida
- 232-h Jason Brooks—A Plantation Landscape: A Preliminary Discussion of the Differences in Spatial Organization between Sugar and Cotton Plantations
- 232-i J. May—Holly Bend, Mecklenburg County, North Carolina: Two Centuries of Piedmont Architectural and Cultural History
- 232-j Lynsey Bates, Beatrix Arendt, Leslie Cooper and Jillian Galle—Ceramic Stylistic Diversity from Slave Quarter Sites at The Hermitage, TN
- 232-k Christina Callisto—Women and Children of the Turpentine Era

**[233] POSTER SESSION ■ HISTORICAL ARCHAEOLOGY IN NORTHEASTERN NORTH AMERICA****Room:** Ballroom F (ACC)**Time:** 8:00 AM - 10:00 AM**Participants:**

- 233-a Eric Guiry—Rats and the Detection of Waste Management: Stable Isotope Insights from the 17th C. Fishing Settlement of Ferryland, Newfoundland, Canada.
- 233-b Dana Gaudé' and Heather McKillop—3D Imaging and 3D Printing of Coffin Handles from St. Thomas Anglican Churchyard, Belleville, Canada
- 233-c Katie Turner—An Examination of Late 18th Century Forts: A Pennsylvania Typology
- 233-d Ashley Taylor—Lost Graves at Hanna's Town Cemetery, Westmoreland County, Pennsylvania
- 233-e Stefanie Smith—Foodways in Colonial Western Pennsylvania: An Analysis of Faunal Remains From Hanna's Town
- 233-f Ben Ford, Timothy Carn, Renate Beyer and Casey Campetti—Preliminary Analysis of the Hanna's Town Legacy Collection: Life in an 18th century Pennsylvania Town
- 233-g Laura Galke—Mother Washington: Complicating a Significant Narrative Performer

**[234] POSTER SESSION ■ MUSEUMS****Room:** Ballroom F (ACC)**Time:** 8:00 AM - 10:00 AM**Participants:**

- 234-a Joanna Trouflard—Contextualization of two Portuguese museum collections from the Marajó Island (Pará, Brazil).
- 234-b Jessy Schroeder—Museum Audiences and Visual Displays: A Study of Llano

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Saturday Morning, April 26

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- 234-c Estacado Archaeological Museums and Their Educational Goals  
Megan Harris—Digging up the Junk in Grandpa's Basement: An Analysis of the Lithic Artifacts from the Lane Family Collection
- 234-d Deanna Aubert—Curating "Canadian-ness"
- 234-e Erika Heacock—The Repatriation-Process, Conflicts and Resolutions

**[235] GENERAL SESSION ■ EAST ASIA**

**Room:** 16A (ACC)

**Time:** 8:00 AM - 10:00 AM

**Chair:** Tricia Owlett

**Participants:**

- 8:00 Jennifer Kielhofer—Geoarchaeological Investigations at Yangguanzhai, a Middle Neolithic Site in North-Central China
- 8:15 Yanxi Wang—Agriculture and Regional History of the Guan River Valley in China
- 8:30 Rory Dennison—Preliminary Analysis of Sourcing Philippine Porcelain to Southern Chinese Kiln Sites Using LA-ICP-MS
- 8:45 Gyles Iannone—From Pyu to Toungoo (AD 200-1599): Modeling Resilience in the Early State Formations of Myanmar/Burma
- 9:00 Sarah Klassen and Joyce White—Modeling Relative Access to Arable Land in the Mekong Basin, Laos
- 9:15 Cecilia Smith—Spatial Autocorrelation and the Changing Organization of Social Inequality in Colonial Philippines
- 9:30 Michael Armand Canilao—Landscape and Settlement Archaeology Methodology in the Cordillera region of Luzon, Philippines
- 9:45 Tricia Owlett—Regional Perspectives on Shellfish Gathering from the Ryūkyū Islands, Japan

**[236] SYMPOSIUM ■ LATE PLEISTOCENE LANDSCAPE STRATEGIES IN THE LEVANT: SOCIAL, TECHNOLOGICAL, AND ECONOMIC INNOVATIONS IN OPEN SPACES**

**Room:** 11AB (ACC)

**Time:** 8:00 AM - 10:15 AM

**Chairs:** Deborah Olszewski, Maysoon Al Nahar and Lisa Maher

**Participants:**

- 8:00 Deborah Olszewski and Maysoon al-Nahar—Early Epipaleolithic (Nebekian) Strategies in the Western Highlands of Jordan: Wadi al-Hasa Region
- 8:15 Natalie Munro, Michael Kennerty, Jacqueline Meier and Siavash Samei—Human Hunting and Landscape use in the Jordanian Eastern Highlands during the Early Epipaleolithic
- 8:30 Jason Cooper, Maysoon Al-Nahar and Deborah Olszewski—Lithics, Mobility, and Persistent Places
- 8:45 Siavash Samei, Natalie Munro, Michael Kennerty, Maysoon al-Nahar and Deborah Olszewski—Taphonomic and Zooarchaeological Analysis of the Early Epipaleolithic Site of Tor at-Tareeq (WHS-1065), Jordan
- 9:00 Monica Nicolaides Ramsey, Monica Nicolaides Ramsey and Arlene Rosen—Wedded to Wetlands: Exploring Late Pleistocene Plant-Use in the Eastern Levant
- 9:15 Lisa Maher, Danielle Macdonald, Adam Allentuck, Tobias Richter and Matthew Jones—Occupying Wide Open Spaces? Late Pleistocene Hunter-Gatherer Activities in the Eastern Levant
- 9:30 Jennifer Everhart—Environmental Change? Faunal exploitation across climactic shifts

Saturday Morning, April 26

9:45 Brian Byrd, Andrew Garrard and Paul Brandy—Modeling Territorial Ranges and Spatial Organization of Late Pleistocene Hunter-Gatherers in the Southeastern Levant

10:00 Seiji Kadowaki and Yoshihiro Nishiaki—Middle Epipalaeolithic technological variability in the northern Levant: New data from the middle Euphrates

**[237] SYMPOSIUM ■ MASTER TEACHER, MASTER CRAFTSMAN, JACK OF ALL TRADES: A SESSION IN HONOR OF JAMES A. NEELY**

**Room:** 19B (ACC)

**Time:** 8:00 AM - 10:30 AM

**Chair:** John Peterson

**Participants:**

8:00 Ruth Van Dyke—The Day the Lizard Died

8:15 David Hill and Thomas Fenn—LEAD ISOTOPE ANALYSIS OF GLAZED CERAMICS FROM THE DEH LURAN PLAIN, SOUTHWESTERN IRAN

8:30 Randall McGuire—The Cult of Quetzalcoatl and Late Prehispanic Religion in the Southwest US and Northwest México

8:45 John Peterson and Timothy B. Graves—The Gallina World Beyond Wild Horse Canyon: Investigations of a Gallina phase Landscape in northern New Mexico

9:00 William Doolittle—The Gristmills of La Orotava

9:15 Marybeth Tomka—25+ years later: the significance of the Great Kiva at the WS Ranch Site, Alma, New Mexico -- a re-evaluation

9:30 Tineke Van Zandt—Hot air balloons, looters' holes, and pink flamingos: teaching the next generation of archaeologists with lessons learned at WS Ranch

9:45 Michael Aiupalasit—Using geoarchaeology to expand the interpretive potential of water management features: investigations at the Purrón Dam in Tehaucán, México, and Ancestral Puebloan reservoirs in the Jemez Mountains, New Mexico

10:00 David Brown and Meredith Dreiss—Plant of a thousand uses: Agave in culture

10:15 Mark Willis—Discussant

**[238] SYMPOSIUM ■ ARQUITECTURA PREHISPÁNICA EN OAXACA; INVESTIGACIONES RECIENTES EN DIFERENTES ESTUDIOS DE CASO**

**Room:** 10B (ACC)

**Time:** 8:00 AM - 10:30 AM

**Chair:** Pedro Ramon Celis

**Participants:**

8:00 Nelly Robles Garcia—Arquitectura del poder: expresiones en Atzompa, Oaxaca.

8:15 Jaime Vera—Los Sistemas Constructivos del Conjunto Monumental de Atzompa  
Leobardo Pacheco Arias—Contexts of the Religious Architecture in Atzompa, Oaxaca

8:45 Olga Landa—Analisis Arquitectonico Del Edificio M De Monte Alban

9:00 Pedro Ramon Celis—La fortaleza de Yagul, investigaciones recientes a través del estudio de su topografía

9:15 Laura Diego Luna—Ornamentación, poder y cosmovisión en el palacio de Yucundaa

9:30 Ivan Olguin—Imposición cultural y superposición arquitectónica en el centro cívico-ceremonial de Teotitlán del Valle, Oaxaca.

9:45 Jorge Rios—Las grecas dentro del marco arquitectónico de la arqueología de los valles centrales de oaxaca

10:00 Agustin Andrade—Nuevas exploraciones en tumbas prehispánicas en el estado de Oaxaca

10:15 Questions and Answers

Saturday Morning, April 26

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**[239] SYMPOSIUM ■ THOSE DAM ARCHAEOLOGISTS: THE RIVER BASIN SURVEYS, THE INTERAGENCY ARCHEOLOGICAL SALVAGE PROGRAM AND THE GROWTH OF AMERICAN ARCHAEOLOGY**

**Room:** 10C (ACC)

**Time:** 8:00 AM - 10:30 AM

**Chair:** Kimball Banks

**Participants:**

- 8:00 Don Fowler—Colorado River Archaeological Projects, 1956 to 1985. From salvage to CRM  
8:15 Jon Czaplicki and Kimball Banks—The Flood Control Act of 1944 And the Growth of American Archaeology  
8:30 Ruthann Knudson—Women in the River Basin Archaeological Salvage Workplace  
8:45 Edward Jelks—Archaeological Salvage at Texas Reservoir Projects: 1945-1969  
9:00 David Mayer Gradwohl—Flapping Tents, Outhouses, Hail Storms, and Running for Water: An Insider's View of Life in Interagency Archaeological Salvage Program Field Camps, 1950s-1970s  
9:15 W Wood—The Lincoln Area Office and the Upper Missouri River Basin  
9:30 Francis McManamon—RBS to CRM (1974-2014)--Continuing and New Challenges and Opportunities  
9:45 Susan Prezzano—Contributions of the Washington Office to the Archaeology of the Northeast and Mid-Atlantic Regions  
10:00 William Lees—Missouri Basin Projects and the Emergence of Historical Archaeology on the Great Plains  
10:15 Deborah Hull-Walski—The National Park Service and the Smithsonian Institution: Partners in Salvage Archaeology

**[240] SYMPOSIUM ■ NEW DIRECTIONS IN FEMINIST ARCHAEOLOGY: PEDAGOGY AND PRACTICE**

(Sponsored by Committee on the Status of Women in Archaeology)

**Room:** 17B (ACC)

**Time:** 8:00 AM - 10:30 AM

**Chair:** Dawn Rutecki

**Participants:**

- 8:00 Dawn Rutecki—The Future of the Past: Feminist Archaeology in the 21st Century  
8:15 Silvia Tomaskova—Clean feminist theory meets messy practice  
8:30 Amanda Regnier—Ceramic Studies and Feminism in the Southeast  
8:45 Kathleen Sterling and Kelsie Martinez—Feminist Communities of Practice in Archaeological Research and Teaching  
9:00 Anne Pyburn—The Next Generation: Thoughts on Mentoring Archaeologists  
9:15 Heather Barker and T.L. Thurston—That work/life thing...  
9:30 William Meyer—Mars and Venus in retrograde? An analysis of gender patterns in the stories we tell about the past  
9:45 Barbara Voss—Discussant  
10:00 Margaret Conkey—Discussant  
10:15 Questions and Answers

**[241] GENERAL SESSION ■ BIOARCHAEOLOGY**

**Room:** 14 (ACC)

**Time:** 8:00 AM - 10:30 AM

**Chair:** Katherine French

**Participants:**

- 8:00 Marcello A. Mannino, Sahra Talamo, Renata Grifoni Cremonesi, Francesco

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**Saturday Morning, April 26**

- Mallegni and Michael P. Richards—Plenty more fish in the sea! An isotopic investigation of hunting and gathering at Grotta Continenza (Italy) during the Pleistocene/Holocene transition  
8:15 Jennifer Mack, Katina Lillios, Anna Waterman, Joe Alan Artz and Ana-Monica Racila—Osteological Landmark Quantification and the Taphonomy of the Late Neolithic Rock-Cut Tomb of Bolores, Portugal  
8:30 Katherine French—Interspecies Cremations in Anglo-Saxon Paganism: Local Practice or Multiregional Trend?  
8:45 Sara Turner and Niels Lynnerup—Dietary patterns in Holbæk, Denmark during the Medieval Period  
9:00 Matczak Magdalena—Emotion in archaeological and paleopathological perspective. Medieval Kaldus in Poland as a case study.  
9:15 Khristyne Tschinkel and Rebecca Gowland —Differentiating between Residual Rickets and Osteomalacia: An analysis of existing macroscopic and radiological techniques using three post-medieval skeletal populations  
9:30 Jonathan Bethard, Anna Osterholtz, Andre Gonciar and Zsolt Nyaradi—Of infants and elderly: a bioarchaeological analysis of a 17th century mortuary context from Transylvania, Romania  
9:45 Terry Brown, Romy Müller and Charlotte Roberts—Genotypes of historic strains of Mycobacterium tuberculosis from archaeological remains  
10:00 Caroline Solazzo—Species Identification in Keratinous Tissues using Mass Spectrometry: Potentials and Limitations  
10:15 Cristina Watson and Michelle Hamilton—Estimating sex of contemporary American individuals through metric measurements of the petrous portion

**[242] SYMPOSIUM ■ RECENT ARCHAEOLOGICAL RESEARCH IN OCEANIA****Room:** 18A (ACC)**Time:** 8:00 AM - 10:45 AM**Chairs:** Phillip Johnson and Julie Field**Participants:**

- 8:00 Ian Lilley, Christophe Sand and Frédérique Valentin—Recent research in the Loyalty Islands, New Caledonia: archaeological science and community heritage  
8:15 Julie Field, Christopher Roos, John Dudgeon and Amy Commendador-Dudgeon—Sigatoka Valley Revisited: Preliminary Results from the Post-Lapita Subsistence Transition Project  
8:30 Hannah Moots, Christopher Roos, Julie Field and John Dudgeon—Spatially Explicit Fire and Erosion Histories from Tributaries to the Sigatoka River, Viti Levu, Fiji: Preliminary Evidence from the 2013 Field Season  
8:45 John Dudgeon and Amy Commendador—Bioarchaeology of the Post-Lapita manifestation in Fiji: preliminary observations and model expectations  
9:00 Timothy Rieth, Ethan E. Cochrane and Alex E. Morrison—Variation and Similarities in Vertebrate Faunal Exploitation in Early Deposits from Fiji and Sāmoa  
9:15 Daniel Welch and Suzanne Eckert—Do Dates Connect Culture? Rethinking Identity at Aganoa, a Lapita-Aged Plain Ware Site on Tutuila Island, American Samoa.  
9:30 Phillip Johnson—Organization of Basalt Adze Production at the Lau'agae Quarry Complex on Tutuila, American Samoa  
9:45 Eric Bartelink, Phillip Johnson, Olaf Nehlich, Benjamin Fuller and Michael Richards—Human Mobility Patterns in Prehistoric Tutuila, American Samoa: Evidence from Strontium, Sulfur, and Oxygen Isotopes  
10:00 David Herdrich, Chris Filimoehala, Phillip Johnson, Tish Peau and Erika

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Saturday Morning, April 26

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Radewagen—Atoll Archaeology: A Summary Report of Archaeological Surveys at Rose and Swains Islands, American Samoa.

10:15 Mara Mulrooney and Mark D. McCoy—Ho'omakā hou (to begin again): Re-dating early Hawaiian settlement sites of southern Hawai'i Island

10:30 Robert DiNapoli and Alex Morrison—Spatiotemporal Rainfall Variation in the Leeward Kohala Field System: Implications for Prehistoric Hawaiian Agriculture

**[243] SYMPOSIUM ■ LEARNING & DOING: COMMUNITIES OF PRACTICE IN SCALAR PERSPECTIVE**

**Room:** 8A (ACC)

**Time:** 8:00 AM - 10:45 AM

**Chairs:** Ann Stahl and Andrew Roddick

**Participants:**

8:00 Andrew Roddick—"Legitimate Practice": Time, Space and Power within Communities of Practice

8:15 Eduardo Neves, Jacqueline Belletti and Eduardo Tamanaha—Formal stability and technological variation at the Polychrome Tradition of Western Amazonia

8:30 Patricia Crown—Power, Production, and Practice within Communities of Potters in the American Southwest

8:45 Barbara Mills—Cuisines as Networks of Situated Practice in Scalar Perspective

9:00 Kenneth Sassaman—Landscape Learning in Cosmic Proportions

9:15 Elliot Blair—Constellations of Practice at Mission Santa Catalina de Guale

9:30 Alexander Bauer—Learning, habits, and archaeological "cultures": thinking about "communities of practice" across time and space

9:45 David Schoenbrun—Reading An Ancient Face: Networks of Knowledge, Public Healing, and Conceptual Metaphor

10:00 Ann Stahl—Situated Learning & Gendered Social Fields: Crafting in Contexts of Shifting Global Exchange

10:15 Michael Dietler—Discussant

10:30 Questions and Answers

**[244] SYMPOSIUM ■ BARROW ISLAND ARCHAEOLOGY PROJECT (2013-2015), WESTERN AUSTRALIA: YEAR 1**

**Room:** 10A (ACC)

**Time:** 8:00 AM - 11:00 AM

**Chairs:** Peter Veth and Alistair Paterson

**Participants:**

8:00 Peter Veth—Discussant

8:15 Michael Ashley, Veth Peter, Alistair Paterson, Fiona Hook and Mark Basgall—The Codifi Data Management System for the Barrow Island Archaeology Project (BIAP)

8:30 Fiona Hook—Boodie Cave archaeology in its biogeographical context

8:45 Tiina Manne and Kane Ditchfield—Barrow Island arid coastal economies of the Pleistocene and early Holocene

9:00 Kane Ditchfield—Human-environmental interaction in a Pleistocene coastal environment: research strategies for stone artefact and molluscan assemblages from Boodie Cave, Barrow Island

9:15 Chae Byrne—Issues in archaeobotanical recovery and sampling within a terminal Pleistocene Cave on Barrow Island, NW Australia

9:30 Jane Skippington—Reconstructing Palaeo-environments and Seasonality of Occupation through Isotopic and Trace Element Analyses at Boodie Cave, Barrow Island, Western Australia

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Saturday Morning, April 26

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- 9:45 Christa Placzek and Peter Veth—Climate reconstructions from Barrow Island speleothems  
10:00 Mark Basgall, David Zeanah and David Glover—Technological Organization of Artefact Surface Scatters on Barrow Island  
10:15 David Zeanah, Mark Basgall and Ian Seah—Lithic Landscape of Barrow Island: A View from the Open Scatters  
10:30 Alistair Paterson—Human uses of Barrow Island in recent centuries  
10:45 Questions and Answers

**[245] SYMPOSIUM ■ NEW PERSPECTIVES ON THE SOCIAL DYNAMICS AND ECONOMIC INTERACTIONS OF ANDEAN MARITIME COMMUNITIES**

**Room:** 17A (ACC)

**Time:** 8:00 AM - 11:30 AM

**Chair:** Oscar Prieto

**Participants:**

- 8:00 Tom Dillehay—An Early Andean Enigma: Huaca Prieta, Peru, Research and Meaning  
8:15 Ana Mauricio—Los Morteros: Geoarchaeological Investigations and Environmental Reconstruction of an Early Mound and its Milieu  
8:30 Winifred Creamer and Jonathan Haas—Changing Complexity in the Norte Chico, 3000-1800 BCE  
8:45 Oscar Prieto—Social Dynamics and Economic Interactions of an Early Initial Period Maritime Community: The Gramalote Case  
9:00 Richard Sutter and Gabriel Prieto—The Implications of Biodistance Analyses of Initial Period (1550 - 1250 B.C.) Human Remains from Gramalote, Peru, for Our Understanding of the Social and Economic Dynamics of Ancient Andean Maritime Communities  
9:15 Jahn Dulanto—Political and Economic Dynamics of Maritime Communities of the South Coast of Peru During the First Millennium BC: The Excavations of the Paracas Archaeological Project at Disco Verde and Puerto Nuevo  
9:30 Matthew Helmer—Preliminary Research at Samanco: An Early Horizon Seaside Center of the Nepeña Valley, North-Central Peru  
9:45 Kyle Stich and David Chicone—Surf and Turf: Maritime and Agrarian Economies at the Early Horizon Center of Caylán, Nepeña Valley, Coastal Ancash  
10:00 Nicolas Goepfert, Philippe Béarez, Aurélien Christol and Belkys Gutiérrez—Subsistence Economies in Marginal Areas with Natural Constraints: Interactions Between Social Dynamics, Resource Management and Paleoenvironment in the Sechura Desert, Peru  
10:15 Francesca Fernandini—Cerro de Oro: A Coastal Settlement During the Middle Horizon  
10:30 Brian Billman, Jesús Briceño Rosario, Jean Hudson and Dana Bardolph—Fisherman, Farmer, Rich Man, Poor Man, Weaver, Parcialidad Chief: Household Archaeology at Cerro La Virgen, a Chimu Town within the Hinterland of Chan Chan  
10:45 Parker VanValkenburgh, Sarah Kennedy, Carol Rojas Vega and Gabriel Hassler—"El Contrato del Mar:" Forced Resettlement and Maritime Subsistence at Carrizales and Conjunto 131, Zaña Valley, Peru  
11:00 Susan Ramirez—Fish[i]stories: Seafolk of the Northern Peruvian Coast  
11:15 Daniel Sandweiss—Discussant

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Saturday Morning, April 26

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**[246] SYMPOSIUM ■ HUMANS IN THEIR LANDSCAPES: PAPERS IN HONOR OF MICHAEL A. JOCHIM, PART 1**

**Room:** Ballroom G (ACC)

**Time:** 8:00 AM - 11:45 AM

**Chairs:** Douglas Bamforth and Andrew Stewart

**Participants:**

- 8:00 Douglas Bamforth—Learning Archaeology From Mike Jochim  
8:15 Herbert Maschner—Band, Tribe, Chiefdom, State: who do we appreciate?  
8:30 Sarah McClure and Douglas Kennett—Agricultural Origins and the Behavioral Ecology of Niche Construction  
8:45 Terry Joslin, Jennifer Perry and Michael Glassow—FROM BLACK POINT TO FRASER POINT: FISHING AND COASTAL SEDENTISM ON WESTERN SANTA CRUZ ISLAND  
9:00 Jerry Moore—In the Desert Between the Seas: Environmental, Social, and Ritual Factors in Hunting and Gathering Settlement Systems in Baja California.  
9:15 Lawrence Straus, Manuel Gonzalez-Morales, Ana Belen Marin-Arroyo and Lisa Fontes—Magdalenian Settlement-Subsistence Systems in Cantabrian Spain  
9:30 Arleen Garcia-Herbst—Hunter-Gatherer Land Use and Landscape in Late Holocene Southern Patagonia, Argentina  
9:45 Questions and Answers  
10:00 Lynn Fisher, Susan Harris, Corina Knipper and Rainer Schreg—A Neolithic Landscape on the Swabian Alb (Germany): Contributions of a Regional Approach  
10:15 Alison Rautman—Theorizing Archaeological Cultural Landscapes: Local Knowledge and Archaeological Practice  
10:30 Helmut Schlüchterle—Neolithic settlement patterns in the Federsee region, Upper Swabia (Germany)  
10:45 Andrew Stewart—Viewing Cultural Landscapes in the Long and Short Term  
11:00 Erick Robinson and Philippe Crombé—Exchange networks and Early Holocene ecological change in the southern North Sea basin  
11:15 Susan Harris and Lynn Fisher—The Southwest German Regional Archaeological Survey Project – 20 Years Of Research On The Federsee Lake  
11:30 Myrtle Shock—Resource management in the Amazon, a view from macrobotanical remains.

**[247] SYMPOSIUM ■ SOUTHWESTERN BIOARCHAEOLOGY 2014: SYNTHESIS, REVISION, CURRENT TRENDS**

**Room:** 18C (ACC)

**Time:** 8:00 AM - 11:45 AM

**Chairs:** Catrina Whitley and Ann Stodder

**Participants:**

- 8:00 Jill Neitzel, Ann Stodder and Laurie Webster—Embodied Identities in the Prehistoric Southwest  
8:15 Nancy Akins—A Tale of Two Basins: Bioarchaeology of the Galisteo and the Southern Tewa Basins  
8:30 Kathy Durand Gore, Meradeth Snow, Michelle Greene, Elizabeth Adams and Cathey Cline—Life and Health in the Point Community, an Ancestral Puebloan Population in the Middle San Juan Region, New Mexico  
8:45 Peter Pilles and Kimberly Spurr—Reconstructing Northern Sinagua Demography and Population Dynamics: How Documentation for NAGPRA Can Inform Models of Ancestral Human Relationships  
9:00 Catrina Whitley and Jeffrey Boyer—Environmental Factors for Cancer in Ancestral Pueblos from the Northern Rio Grande

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**Saturday Morning, April 26**

- 9:15 John McClelland—Revisiting Hohokam Paleodemography  
9:30 Kyle Waller—Prestige, Power, and Paquime: Social Inequality and Health in the Casas Grandes Region of Chihuahua, Mexico  
9:45 Questions and Answers  
10:00 Corey Ragsdale and Heather JH Edgar—Cultural Effects on Phenetic Distances among Postclassic Mexican and Southwest United States Populations  
10:15 Robin Cordero—Age-Rank Status of Eastern Pueblo Agriculturalists: A Case Study in Mortuary Treatment from the Albuquerque Basin  
10:30 Kimberly Spurr and Heidi Roberts—Mortuary Practices of Fifty-Four Individuals Recovered from a Large Virgin Branch Puebloan Habitation in Kanab, Utah  
10:45 Jessica Cerezo-Román—Cremation Funeral Customs among the Classic Period  
11:00 M Thompson—Social Memories of the Dead in Prehistoric Hohokam and Zuni Communities  
11:15 Ann Stodder—Violent Death, Social Memory, and the Nature of Persistent Places  
11:30 John Kantner—Discussant

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

(Sponsored by Rock Art Interest Group)

**Room:** 18B (ACC)**Time:** 8:00 AM - 12:00 PM**Chair:** Lenville Stelle**Participants:**

- 8:00 Michele Hayward, Frank Cahieppati and Michael Cinquino—Rock Art and Location on Puerto Rico  
8:15 Jeremy Freeman and Vicky Munoz—Retelling an Ancient Story through Modern Technology: The Rock Art of Eagle Nest Canyon  
8:30 Christopher Goodmaster, Erin Helton and Mark Willis—Ancient Sites in 21st-Century Environments: Three-Dimensional Digital Documentation of Panther Cave  
8:45 Leonard Kemp—Integrating/Interpreting COMMUNITY Ritual Space (BEDROCK MORTAR STATION) and INDIVIDUAL Ritual Space (SHELTER) at White Rock Shelters, El Paso, Texas  
9:00 William MURRAY—Marking the Water: Iconography and Environment in Northeast Mexican Rock Art  
9:15 Julio Amador—The cave within the hill: sacred symbolism of landscape and rock art figures belonging to rainmaking ceremonies in the Sonoran Desert.  
9:30 Alex Ruuska—Rock Writing Performances in the Great Basin: Ghost Dancing and the New Animism  
9:45 Thomas Huffman and F. Lee Earley—The Wallace site: Caddo rock art in southeastern Colorado  
10:00 Michael Bies—A Preliminary Analysis of Several Dinwoody Tradition Sites.  
10:15 Johannes Loubser—Seven Millennia of Visitation to the Watson Petroglyph Complex, Southeast Oregon  
10:30 Eugene Hattori and Larry Benson—Dating an Early Holocene - Late Pleistocene Petroglyph Panel at Winnemucca Lake, Nevada.  
10:45 Mavis Greer and John Greer—Fingerlines in Central Montana Rock Art Compared with European Finger Flutings  
11:00 Guillaume Robin—How recording techniques impact our knowledge of Neolithic tomb art: the example of Sardinian rock-cut tombs  
11:15 Daniel Arsenault and Dagmara Zawadzka—Winter wonderland and Canadian Shield rock art

Saturday Morning, April 26

- 11:30 Jan Simek, Mark Wagner, Sierra Bow, Heather Carey and Mary McCowie—Portable X-Ray Fluorescence Analysis Of Paints From Prehistoric And Historic Period Native American Rock Art Sites In Southern Illinois

11:45 Carolyn Boyd—Discussant

[249] SYMPOSIUM ■ THE GOLD ANNIVERSARY OF OBSIDIAN SOURCING: 50 YEARS OF RESEARCH AROUND THE WORLD, PART I

(Sponsored by International Association for Obsidian Studies, and Society for Archaeological Sciences)

Room: 12AB (ACC)

**Room:** 12AB (RSC)  
**Time:** 8:00 AM - 12:00 PM

**Chair:** Robert Tykot

#### **Participants:**

- | Participation |   |
|---------------|---|
| 8:00          | Johnson Cann and Colin Renfrew—The characterisation of obsidian and its application to the Mediterranean region - and beyond  |
| 8:15          | François-Xavier Le Bourdonnec, Gérard Poupeau, Ludovic Bellot-Gurlet and Marie Orange—PIXE and Obsidian Sourcing in the Mediterranean Area  |
| 8:30          | Marie Orange, François-Xavier Le Bourdonnec, Anja Scheffers and Renaud Joannes-Boyau—Introducing a new complementary geochemical approach for obsidian sourcing: The case of the western Mediterranean. |
| 8:45          | Anna Maria De Francesco, Marco Bocci and Gino M. Crisci—Archaeological Obsidian Provenance of Several Italian Neolithic Sites Using a Non-Destructive XRF Method  |
| 9:00          | Robert Tykot—Fifty Years of Obsidian Sourcing in the Central Mediterranean: Quantitative Assessment of Transportation Routes, Chronological Changes and Intra-Site Variation                            |
| 9:15          | Kyle Freund—Obsidian Consumption, Social Dynamics, and Contrasting Value Regimes in the Prehistoric West Mediterranean  |
| 9:30          | Laurence Astruc—Obsidian Technologies in the Near-East  |
| 9:45          | Questions and Answers   |
| 10:00         | Korhan Erturaç, Laurence Astruc, Bernard Gratuze, Sébastien Nomade and Nur Balkan-Atlı—Geological Mapping in the Göllüdağ Volcanic Complex: New Implications for Obsidian Sourcing                      |
| 10:15         | Damase Mouralis, Ebru Akköprü, Laurence Astruc, Korhan Erturaç and Catherine Kuzucuoglu—An Integrated study of the Eastern Anatolian obsidians (sources and diffusion): the GeObs program               |
| 10:30         | Tristan Carter—From Conservative to Cosmopolitan: Interrogating the Reconfiguration of Near Eastern Obsidian Exchange Networks from the Epi-Palaeolithic to Chalcolithic                                |
| 10:45         | Ellery Frahm—Where Obsidian Sourcing Isn't Long-Distance Trade: Landscapes, Provisioning Strategies, and Organization of Space  |
| 11:00         | Elizabeth Healey and Stuart Campbell—Sourcing and beyond: obsidian use at two late Neolithic sites in northern Mesopotamia  |
| 11:15         | Steven Brandt, Jeffrey Ferguson and Lucas Martindale Johnson—Lithic Raw Material Acquisition, Ethnicity and Source/Settlement Location: An Ethnoarchaeological Study of Ethiopian Craftspeople          |
| 11:30         | Carolyn Dillian, Emmanuel Ndiema, Purity Kiura and David Braun—Holocene Obsidian Use in Northern Kenya  |
| 11:45         | A Renfrew—Discussant  |

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Saturday Morning, April 26

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**[250] SYMPOSIUM ■ WORLD ETHNOBIOLOGY: PAPERS IN HONOR OF DEBORAH M. PEARSALL**

(Sponsored by Society of Ethnobiology)

**Room:** Ballroom E (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chair:** Peter Siegel

**Participants:**

- 8:00 Peter Stahl—Integrating Archaeobiological Data in the Neotropics with Debby Pearsall
- 8:15 Bob Benfer—Habitat Discrimination by Phytolith Assemblage
- 8:30 Abigail Middleton—Water Management and Agricultural Risk Mitigation in Southwest Coastal Ecuador
- 8:45 James Zeidler—Modeling Cultural Responses to Volcanic Disaster in the Jama-Coaque Culture, Coastal Ecuador
- 9:00 Sonia Zarrillo—Identifying Ancient Plant Use in Ecuador: Retrospect and Prospect
- 9:15 Elizabeth Reitz, Daniel Sandweiss and Dolores Piperno—Cultural Responses to Mid-Holocene Environmental Changes along the Pacific Coast of Peru
- 9:30 Neil Duncan—Multiple Approaches in Paleoethnobotany: Incorporating Proxy Indicators at Buena Vista, Peru
- 9:45 Katherine Moore—Coevolution of Animals and Plants in Early Andean Agriculture
- 10:00 Hector Neff, John Jones and Timothy Garfin—Prehistoric industries of the mangrove zone of eastern Soconosco, Pacific coastal Chiapas, Mexico
- 10:15 Peter Siegel, Deborah Pearsall, John Jones, Nicholas Dunning and Pat Farrell—Island Historical Ecology: Socionatural Landscapes across the Caribbean Sea
- 10:30 Mary Jane Berman—Lucayan Agriculture and Tool Use: a View from the Central Bahamas
- 10:45 Amanda Logan—Towards a cultural biography of maize in West Africa
- 11:00 Thomas Hart—Preliminary analysis of phytolith production patterns in select non-grass Southwest Asian plant taxa
- 11:15 Naomi Miller—The Ethnobiology of the Warka Vase (Mesopotamia)
- 11:30 Zhijun Zhao—Origins of Rice Agriculture in China
- 11:45 Dolores Piperno and Christine Hastorf—Deborah M. Pearsall and World Ethnobiology

**[251] SYMPOSIUM ■ VISIONS OF OTHER WORLDS: IDEOLOGICAL AND RITUAL FUNCTIONS OF MISSISSIPPIAN SYMBOLS**

**Room:** 19A (ACC)

**Time:** 8:30 AM - 11:30 AM

**Chairs:** Frank Reilly and Kevin Smith

**Participants:**

- 8:30 Kevin Smith—"When Frog Stole the Waters": Mississippian Megadroughts, Migrations, and Revitalization Movements
- 8:45 Frank Reilly—Sacred Languages of the Southeast: Writing Without Words in the Memory Theaters of Mississippian Ritualism
- 9:00 George Sabo and Elizabeth Horton—Design and Style in Sacred Bundle Baskets from the Great Mortuary at Spiro
- 9:15 Robert Sharp—Sacred Narratives of Cosmic Significance: The Place of the Keesee Figurine in the Mississippian Myths
- 9:30 John Kelly, Davide Dominici, Imma Valese and James Brown—The Embedded Nature and Context of Symbols in the Cahokia Cosmogram
- 9:45 Johann Sawyer—Centered Pipes and Swirling Pots: The Cult of First Man and

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Saturday Morning, April 26

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Ritual Iconography in the Mississippian Southeast

- 10:00 James Duncan and Carol Diaz-Granados, Ph.D.—The Mace and the Bi-lobed Arrow: Their Place in the Cosmos
- 10:15 Eric Singleton—Archaeology in Museums: Finding the Forgotten
- 10:30 Shawn Lambert—Revealing Spiro's Lost Artifacts: The Research Value of WPA Artifact Illustrations from Craig Mound
- 10:45 James Brown and John Kelly—Canonical Meanings and Ritual at Cahokia
- 11:00 David Dye—With Culture Heroes on Our Side: Two Realms of Mississippian Warfare
- 11:15 Michael Moore, Kevin Smith, Aaron Deter-Wolf and Emily Beahm—Crystal Artifacts and Production in the Middle Cumberland Region of Tennessee

**[252] SYMPOSIUM ■ RECENT TRENDS IN PLAZA INVESTIGATIONS IN THE MAYA LOWLANDS**

**Room:** 16B (ACC)

**Time:** 8:30 AM - 11:45 AM

**Chairs:** Bernadette Cap and M. Kathryn Brown

**Participants:**

- 8:30 Daniela Triadan and Takeshi Inomata—Preclassic Ritual and Community at Ceibal, Guatemala: Excavations along the Center Axis of the E-Group in the Central Plaza of Group A
- 8:45 Jennifer Wildt—The Power of Comparison: New Approaches to Ancient Plazas
- 9:00 Rafael Cobos—Plaza Plans at Chichén Itzá, Yucatán, México
- 9:15 Ryan Collins—Hitting Bedrock: Formative Foundations in Yaxuna's E Group Plaza
- 9:30 Whitney Lytle, M. Kathryn Brown, Eleazar Hernandez and Christie Kokel—Plaza and Courtyard Investigations at Xunantunich, Belize
- 9:45 Terry Powis, Norbert Stanchly and George Micheletti—Middle Preclassic Development of the Main Plaza at the Ancient Maya Site of Pacbitún, Belize
- 10:00 Nancy Peniche May and Jaime Awe—Buried like a Tick: A Middle Preclassic Residency beneath Plaza B, Cahal Pech, Belize
- 10:15 Richard Terry, Chris Balzotti, Austin Ulmer and Jacob Horlacher—Geochemical Signatures of Contemporary and Ancient Maya Activities in Public Plazas
- 10:30 Bryan Haley—Remote Sensing Investigations of Maya Plazas in Western Belize
- 10:45 Bernadette Cap—A Socially Constructed Plaza: Evidence of Marketplace and Ceremonial Activities during the Late Classic Maya Occupation of the Buenavista del Cayo East Plaza
- 11:00 Angela Keller—Subtle Traces: Identifying Activity in the Plazas of Actuncan, Belize
- 11:15 Jera Davis—Into the Great Wide Open: Plazas and Polity in the Mississippian South
- 11:30 Christian Wells—Discussant

**[253] SYMPOSIUM ■ NEW RESEARCHES AND TECHNIQUES ON LAPIDARY OBJECTS FROM MESOAMERICA: PROVENANCE, CIRCULATION AND MANUFACTURE**

**Room:** 13AB (ACC)

**Time:** 9:30 AM - 12:00 PM

**Chairs:** Emiliano Melgar and Emiliano Gallaga

**Participants:**

- 9:30 Christa Schieber de Lavarreda and Miguel Orrego Corzo—The passion for mosaics in lapidary art at Tak'alik Ab'aj, 2000 years ago and today: The Mosaic

Saturday Morning, April 26

- Project at Tak'alik Ab'aj  
 9:45 Chloé Andrieu—Commoditizing the Sacred: The Exchange of Jade Blanks in the Maya Lowlands
- 10:00 Xulieta Lopez, Jose Luis Ruvalcaba, Manuel Aguilar and Marina Vega—The Sacred Artifacts of Slate in Mesoamerica. Identification and provenance.
- 10:15 Guillermo Cordova—Achaeology of the region of Chalchihuites, Zacatecas, México
- 10:30 Estela Martínez—The blue stones funerary contexts in Pre-Hispanic burials from Chalchihuites region, Zacatecas, Mexico
- 10:45 Dawn Crawford and Brigitte Kovacevich—Revisiting Experimental Jade Polishing: Replication and Investigation on Ancient Maya Techniques
- 11:00 Emiliano Melgar—The Technological Analysis of the Turquoise Objects from the Great Temple of Tenochtitlan
- 11:15 Reyna Solis—The Manufacturing Techniques of Greenstone Lapidary Objects from the Surrounding Structures of the Great Temple at Tenochtitlan
- 11:30 Lynneth Lowe, José Luis Ruvalcaba Sil, Lynneth Lowe and Emiliano Gallaga—Nondestructive analysis of the lithic artifacts from Chiapa de Corzo
- 11:45 Frances Berdan—Discussant

**[254] SYMPOSIUM ■ CITY, CRAFT, AND RESIDENCE IN MESOAMERICA: RESEARCH PAPERS PRESENTED IN HONOR OF DAN M. HEALAN**

Room: 9C (ACC)

Time: 9:30 AM - 12:00 PM

Chairs: Ronald Faulseit and Christopher Pool

**Participants:**

- 9:30 Ronald Faulseit—Classic to Postclassic Household Economic Strategies in the Oaxaca Valley
- 9:45 Eduardo Williams—SOCIAL CHANGE AND CULTURAL CONTINUITY AMONG TARASCAN POTTERS: A CASE STUDY IN HUÁNCITO, MICHOACÁN, MEXICO
- 10:00 Helen Pollard—Tula of the Toltecs and Tzintzuntzan of the Tarascans
- 10:15 Véronique Darras and Jacques Pelegrin—Family Making of Prismatic Blades. The pecked and ground platform preparation at the beginning of manufacture process: a good indicator of a household organization of production with division of labor.
- 10:30 Christine Hernandez—Settling the Ucarea Valley: Early Classic Relationships between northeastern Michoacán, Mexico and the Eastern El Bajío
- 10:45 David Grove—How Mesoamerican culture history has cursed West Mexico
- 11:00 Patricia Plunket and Gabriela Uruñuela—Lessons from Tetimpa: A Formative Village in Mexico's Central
- 11:15 Kenneth Hirth and Ann Cyphers—Early Olmec Obsidian Craft Production at San Lorenzo Tenochtitlan
- 11:30 Richard Diehl—Aging in Place While Running to Keep Up: Some Thoughts on the "Golden Marshalltown Years"
- 11:45 Dan Healan—Discussant

**[255] SYMPOSIUM ■ EXPLORING VARIABILITY IN BIPOLAR TECHNOLOGY**

Room: 8C (ACC)

Time: 9:30 AM - 12:00 PM

Chairs: Hilary Duke and Justin Pargeter

**Participants:**

- 9:30 Jason Lewis, Sonia Harmand, Hélène Roche, Michel Brenet and Guillaume

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Saturday Morning, April 26

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Daver—Humanity's big bang? The role of bipolar and passive hammer percussion in the development of the earliest hominin lithic technologies.

- 9:45 Fergus Byrne, Tomos Profitt, Adrian Arroyo and Ignacio de la Torre—Bipolar experiments with quartzite from Olduvai Gorge (Tanzania)
- 10:00 Susana Carvalho—Chimpanzee technical behaviours and their stone tool assemblages: An archaeological contribution to understand the earliest tools
- 10:15 Paloma De La Peña—Bipolar knapping in Howiesons Poort: the case of Grey Sand (Sibudu Cave, KwaZulu-Natal, South Africa)
- 10:30 Alia Gurtov and Metin Eren—Does raw material influence bipolar flake morphology? An experimental examination of quartz vs. basalt
- 10:45 Alexander Mackay—The Iceberg's Fundament: the role of bipolar technology in the later Pleistocene archaeology of the Western Cape, South Africa
- 11:00 Hilary Duke and Justin Pargeter—Weaving Simple Solutions to Complex Problems: An Experimental Study of Bipolar Quartz Cobble-Splitting at Eagle's Nest, NY (3.5-5 kya)
- 11:15 Robert Jeske and Katherine Sterner Miller—Microwear Analysis of Bipolar Tools from the Crescent Bay Hunt Club Site (47Je904)
- 11:30 Gilbert Tostevin—Discussant
- 11:45 Michael Shott—Discussant

**[256] SYMPOSIUM ■ ARCHAEOLOGICAL APPROACHES TO THE PRODUCTION OF POWER IN THE COLONIAL ANDES**

**Room:** 9A (ACC)

**Time:** 9:45 AM - 12:00 PM

**Chairs:** Scotti Norman and Douglas Smit

**Participants:**

- 9:45 Carla Hernandez Garavito—Colonialism and the Construction of Community: the case of Huarochirí in the Central Andes (Lima, Peru).
- 10:00 Brendan Weaver, Adam Wiewel and Meghan Weaver—Dialectics of Power in Peruvian Slavery: Preliminary Findings from the Archaeology of the Jesuit Wine Estates of Nasca
- 10:15 Lizette Munoz, Karen Durand and Brendan Weaver—"Eat this Bread, Drink this Cup": Preliminary Discourse on Foodways at the Jesuit Wine Estates of Nasca, Peru
- 10:30 Douglas Smit and Antonio Coello Rodriguez—Fragmented Production, Fractured Power: An Examination of the Colonial Mining Landscape in Huancavelica
- 10:45 Scotti Norman—Conquest and Resistance in the Chicha-Soras: A Diachronic Study of Soras Opposition to Colonial Rule
- 11:00 Pilar Hernández Escontrías, Claudia Nuñez Flores and Sofía Chacaltana—Contested Space, Contested Bodies: an archaeological assessment of indigeneity, hispanicness, and the conflicts of Spanish colonial governance in Peru
- 11:15 Steven Wernke—Paradoxes of Place and Power in a Planned Colonial Town in Highland Peru
- 11:30 Mary Van Buren—Discussant
- 11:45 Matt Liebmann—Discussant

**[257] GENERAL SESSION ■ NEAR EAST**

**Room:** 18D (ACC)

**Time:** 9:45 AM - 12:00 PM

**Chair:** D. Bruce Dickson

**Participants:**

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**Saturday Morning, April 26**

- 9:45 Lynn Dodd—Surveying through the centuries: the Amuq survey in context  
10:00 Anke Marsh and Mark Altaweel—Palaeoenvironmental investigations in the Shahrizor Plain, Iraqi Kurdistan  
10:15 D. Bruce Dickson—Kingship as Racketeering: The Royal Tombs and Death Pits at Ur, Mesopotamia Re-interpreted from the Standpoint of Conflict Theory  
10:30 Steven Edwards—Settlement Connectivity and Power Relationships in Early Bronze Age Northwest Syria: An Integrative Geospatial and Computational Approach  
10:45 Michelle De Gruchy—Using Routes as a Source of Information to Better Understand a Culture  
11:00 Megan Luthern—Examining the Bioarchaeological Potential of Iraqi Kurdistan  
11:15 Andrea Trameri—Preliminary Investigations at at Kinik Höyük, Southern Cappadocia: Middle and Late Iron Age; earlier phases  
11:30 Nancy Highcock—Preliminary Investigations at Kinik Höyük, Southern Cappadocia: Hellenistic through Medieval Periods  
11:45 Allison Mickel—Traces of Trowels: Assembling Oral Histories of Excavations in the Middle East

**[258] SYMPOSIUM ■ BLOGGING ARCHAEOLOGY, AGAIN****Room:** 9B (ACC)**Time:** 10:00 AM - 12:00 PM**Chair:** Chris Webster**Participants:**

- 10:00 Russell Alleen-Willems—"But Is It Academic?" Reflections on a Year of Archaeology Blogging  
10:15 John Lowe—Building a Community of Archaeologists Through Social Media  
10:30 William White—Calling All Archaeology Careerists: Discussing Archaeology Careers Online  
10:45 Colleen Morgan—Archaeological Blogging: Theory, Methods, and Future Directions  
11:00 Terry Brock—SHA Social: Developing a 21st century Social Media Strategy for the Society for Historical Archaeology  
11:15 Chris Webster—Fired Twice for Blogging and Social Media: Why CRM Firms are afraid of social media  
11:30 Stephen Wagner—Social Media and the Process of Archaeological Commentary  
11:45 Katy Meyers—Discussant

**[259] SYMPOSIUM ■ THE ARCHAEOLOGY OF THE IRISH FAMINE: EXPLORING LASTING EFFECTS ON LOCAL, REGIONAL, AND TRANSATLANTIC SCALES****Room:** 8B (ACC)**Time:** 10:15 AM - 12:00 PM**Chairs:** Meagan Conway, Ian Kuijt and Katherine Shakour**Participants:**

- 10:15 Patrick Griffin—An Historian Looks at the Famine: Looking Backwards and Forward from the Vanishing Point  
10:30 Katherine Shakour, Ian Kuijt and Tommy Burke—Materialized Grieving: An Ethnoarchaeological Perspective on Village Residency, Westquarter, Inishbofin  
10:45 Casey McNeill and Ian Kuijt—Breathing Life into the Village: Microhistories and residential genealogies of domestic life on Inishark, Co. Galway  
11:00 Meagan Conway and R. Kyle Bocinsky—Household and Community Scales of Post-Famine Demographic Change in Western Ireland

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Saturday Morning, April 26

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- 11:15 Lauren Couey, Ian Kuijt, Meagan Conway, Katie Shakour and Casey McNeill—Boarding Houses and Wage Earning Sisters: The Archaeological Visibility of the Halloran Sisters, Clinton, MA
- 11:30 Andrew Webster—"A Perfect Hive of Human Beings": The Archaeology of Post-Famine Irish Immigrants in Boston's North End
- 11:45 Ian Kuijt, Meagan Conway, Katie Shakour, Casey McNeill and Claire Brown—Vectors of Improvement: The Archaeological Footprint of 19th / 20th century Irish National Policy, Inishark, co. Galway, Ireland

**[260] GENERAL SESSION ■ MISSISSIPPI VALLEY**

**Room:** 15 (ACC)

**Time:** 10:15 AM - 12:00 PM

**Chair:** Megan Kassabaum

**Participants:**

- 10:15 Samuel Munoz, Sissel Schroeder, David Fike and John Williams—A paleoenvironmental record of prehistoric and historic land use from the Cahokia region
- 10:30 Tiffany Raymond—Exploring Freshwater Mussel Shell Ring Sites in the Mississippi Delta: Preliminary Results from 22YZ605 and 22YZ513.
- 10:45 Megan Kassabaum—Food and Feast: Analysis of Plant and Animal Remains from Feltus
- 11:00 Edwin Jackson and Jessica Kowalski—Tracking the Mississippian Period in the Lower Yazoo Basin: Results of Mound Testing by the Mississippi Mounds Trail Project
- 11:15 Ashley Peles, Erin Stevens Nelson and Mallory A. Melton—Foodways and Community at the Late Mississippian Site of Parchman Place
- 11:30 Nicholas Wood—A Socio-Political Perspective of Hollywood Mounds (22TU500)
- 11:45 Erika Carpenter—Examination of Architectural Features on the Carson Mound Group's Mound C

**[261] GENERAL SESSION ■ NEW WORLD CERAMICS**

**Room:** 11AB (ACC)

**Time:** 10:30 AM - 12:00 PM

**Chair:** Elizabeth Watts

**Participants:**

- 10:30 John Moody, Lisa Hodgetts and Linda Howie—Understanding the social context of Inuit ceramic production in the Canadian Arctic through petrographic analysis
- 10:45 Michael Deal—Research on Ceramic Vessel Function in the Maritime Provinces of Canada (1984-2014)
- 11:00 Jennifer Schumacher—Same Puzzle Pieces Different Puzzle: Extant Collections
- 11:15 Elizabeth Watts and Meghan Buchanan—What's Grog Got to do With It?: Ceramic Temper, Technological Processes, and Social Change in the Pre-Columbian Midwestern United States
- 11:30 David Robinson—Geoarcheology and Ceramic Petrography: Summary and Prospectus for Ceramic Petrographic Research in Eastern Texas and Neighboring Regions
- 11:45 Andrew Upton, William Lovis and Gerald Urquhart—An Empirical Test of Shell Tempering as a Proto-Hominy Processor

**[262] GENERAL SESSION ■ LATER PREHISTORY IN THE GREAT BASIN**

**Room:** 16A (ACC)

**Time:** 10:30 AM - 12:00 PM

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Saturday Morning, April 26

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**Chair:** James Allison

**Participants:**

- 10:30 Andrea Maniery—The Alluvial Geochronology of Pharo Village and Implications for Cycles of Site Occupation and Abandonment
- 10:45 James Allison—The Chronology of Fremont Farming in Northern Utah
- 11:00 Elizabeth Seymour—VARIABILITY IN PITHOUSE FLOOR AREA AND IMPLICATIONS FOR SOCIAL ORGANIZATION AMONGST THE FREMONT
- 11:15 Charles Wilson—Artifacts and Architecture of Structure 6, Wolf Village, Goshen, Utah
- 11:30 Lindsay Johansson—Faunal Perspectives on the Promontory
- 11:45 Anna Camp—From Catlow to Klamath: Exploring Technology and Identity through Great Basin Textiles

**[263] POSTER SESSION ■ MIDWEST AND SOUTHEAST**

**Room:** Ballroom F (ACC)

**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 263-a Angela Collins and Melody Pope—Seeing the Forest through the Trees: Interpreting Distributions of Macro and Micro-scale Materials
- 263-b Ashley Smallwood and Thomas Jennings—Preliminary Results from Excavations of a Middle and Late Archaic Site in Phinizy Swamp, Georgia
- 263-c Grady Caulk—Islands in the Sea of Grass: Investigating the Environmental History of Everglades Tree Islands
- 263-d Brandon Ritchison—Investigating Community Organization: Spatial Distributions over 4000 Years on Sapelo Island, GA
- 263-e Michael Hargrave, R. Berle Clay, Rinita Dalan and Diana Greenlee—Posts at Poverty Point: A View from Haag's Rise
- 263-f Keith Stephenson and Karen Smith—G.S. Lewis-West, South Carolina: A Deptford Period Site in Regional Context
- 263-g Christina Pappas—Woodland Perishables in McCreary County, Kentucky
- 263-h Tracy Hadlett—Use-wear Analysis of Bone Awls from the Ozark Plateaus
- 263-i Jacob Lulewicz and Jennifer Birch—Mapping Community Organization in the Georgia Piedmont: The View from a Transitional Late Woodland-Early Mississippian Village
- 263-j Maura Hogan—The Social Performance Characteristics of Temper: A Comparative Study of Late Woodland Pottery in the American Bottom.
- 263-k Leslie Drane—The Stylistic and Morphological Study of Ceramic Rims and Vessels from the Cahokian Lunsford-Pulcher Site
- 263-l Amy Goldstein—Locating a Household in Time: Temporal Difference in Architectural Types at the Etowah Site
- 263-m Peter Ellis and Eric Jones—Intrasite Patterning at a Late Pre-Contact Piedmont Village Tradition Settlement in the Upper Yadkin River Valley

**[264] POSTER SESSION ■ GEOARCHAEOLOGY**

**Room:** Ballroom F (ACC)

**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 264-a William Nanavati, Kevin Lane, David Beresford-Jones and Charles French—Agricultural Strategies and Long-Term Soil Fertility in the Southern Peruvian Andes
- 264-b Paul Pluta and Alice R. Kelley—Fluvial Deposition and El Niño at San José de Moro, Peru

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Saturday Morning, April 26

- 264-c Amy Schott—Geomorphic change and the regional environmental context at La Playa, Sonora, Mexico  
264-d Lauren Cook—Geoarchaeological Analyses of Redeposited Artifacts from McFaddin Beach, Texas  
264-e Arlo McKee and Charles Frederick—Site Formation Processes at the Murvaul Creek Caddo Site  
264-f Justin Carlson and George Crothers—Geoarchaeology of a Cave Vestibule in Southeastern Kentucky  
264-g Stuart Nealis and Barry Kidder—A Multi-stage Geoarchaeological Analysis of an Undocumented Mound in Greenup, County, Kentucky  
264-h Michael Kolb, John Richards, Thomas Zych and Jennifer Picard—The Core of the Problem: Soil-Geomorphic Studies at the Aztalan Site

**[265] POSTER SESSION ■ NORTH AMERICAN PLAINS****Room:** Ballroom F (ACC)**Time:** 10:30 AM - 12:30 PM**Participants:**

- 265-a Raymond Mauldin, Cynthia Munoz, Robert Hard, Jennifer Rice and Kirsten Verostick—Stable Carbon ( $\delta^{13}\text{C}$ Collagen,  $\delta^{13}\text{C}$ carbonate) and Nitrogen ( $\delta^{15}\text{N}$ ) Isotopic Shifts in Central Texas Hunter-Gatherers over the last 7,000 years  
265-b Marcy Reiser and Lawrence Todd—When Trees Won't Talk: Authenticating Potential Modified Trees with an Unknown Past  
265-c Sara Cullen—The Segesser Hide Paintings: Explorations in Ethnohistory and Archaeology  
265-d Paul Picha and Carl Falk—“Toss of the Dice:” Gaming Pieces in Middle Missouri Archaeology  
265-e Amanda Burtt, Laura Scheiber, Lawrence Todd, Ryan Kennedy and Haskell Samuel—Post-Fire Inventories and Hunter-Gatherer Use Intensity as Exemplified at the Caldwell Creek Site (48FR7091), Fremont County, Wyoming  
265-f Veronica Mraz—Across the Landscape: An Examination of Environmental and Cultural Changes through Analysis of Late Prehistoric Lithic Assemblages from north-central Oklahoma  
265-g Marlis Muschal—Sedentism and Expedient Technology: Dismal River Aspect, Kansas  
265-h John Kennedy and Paul Burnett—The Carter Site (48NA1425): Data Recovery Excavations at a Multicomponent Open Camp in Central Wyoming  
265-i Nora Greiman, Ronald Goble, Matthew Douglass and LuAnn Wandsnider—An Evaluation of OSL Dating of Ceramic Sherds from the Nebraska Sand Hills, USA  
265-j David Yelacic—The Nature and Archaeology of Spring Lake, a Persistent Place in Central Texas

**[266] POSTER SESSION ■ MOUNDS IN THE MIDCONTINENT****Room:** Ballroom F (ACC)**Time:** 10:30 AM - 12:30 PM**Participants:**

- 266-a Paul Kardulias, Nigel Brush, Roger Rowe and Gregory Wiles—Prehistoric Earth works in Wayne County, Ohio  
266-b Debra Smetana—Prestige in Death: Mortuary Evidence for Social Structure in Hopewell and Mississippian Societies  
266-c Sarah Baires—Reconsidering Landscapes: New Discoveries at Cahokia  
266-d Jeremy Wilson, G. William Monaghan, Erica Ausel, Matthew Pike and Gary Macadaeg—Mound Construction and the Built Landscape: Results of the NSF-

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Saturday Morning, April 26

- 266-e REU Research on Earthworks at Angel Mounds, Indiana  
George Monaghan, Timothy Schilling, Anthony Krus , Jeremy Wilson and Timothy Baumann —Late prehistoric paleodemographic trends in the midcontinent North America reconstructed through multiple proxies from Angel Mounds

- [267] POSTER SESSION ■ CONTEMPORARY INVESTIGATIONS OF A CLASSIC SITE: THE LATEST RESEARCH AT THE BLACKWATER DRAW SITE, NM.**  
**Room:** Ballroom F (ACC)  
**Time:** 10:30 AM - 12:30 PM  
**Chair:** David Kilby

**Participants:**

- 267-a George Crawford—The Clovis Site: synthesizing a legacy  
267-b David Kilby—Current Research and Investigations at Blackwater Draw, NM  
267-c Stacey Bennett—A Closer Look at Bison Hunting at the Clovis Site, Blackwater Locality 1.  
267-d Laura Hronec—An Investigation of Eolian Processes at Blackwater Locality No. 1, Locality X  
267-e Jasmine Kidwell—A GIS-Based Approach to Modeling the Geomorphology of the Outlet Channel at the Blackwater Draw Site, NM  
267-f Manuel Palacios-Fest—Paleoecology of the Blackwater Draw, South Bank, New Mexico  
267-g Linda Scott Cummings and R.A. Varney—Ancient Blackwater Draw Sediments Reveal their Age and Clues to Paleoenvironment

- [268] GENERAL SESSION ■ METHODOLOGY IN SOUTHWESTERN ARCHAEOLOGY**  
**Room:** 10B (ACC)  
**Time:** 10:45 AM - 12:00 PM  
**Chair:** Philip Mink

**Participants:**

- 10:45 Veronica Arias—Assessing the Feasibility and Efficacy of Data Mining in Current Archaeological Research  
11:00 Amanda Hernandez—Optimal Geophysical Methods for the Location and Identification of Basketmaker III Sites in Southwestern Colorado  
11:15 Philip Mink and David Pollack—Down the River without a Shovel: Investigating the Usefulness of Archaeogeophysical Survey along the Colorado River through the Grand Canyon  
11:30 Evangelia Tsesmeli and Catrina Whitley—Finding What Is Not Expected: The BaahKu Archaeological Project, Arroyo Seco, NM  
11:45 Craig Fertelmes—The Development and Application of Nondestructive Portable X-ray Fluorescence Spectrometry for Hohokam Vesicular Basalt Groundstone Provenance Analyses.

- [269] GENERAL SESSION ■ CARIBBEAN**  
**Room:** 10C (ACC)  
**Time:** 10:45 AM - 12:00 PM  
**Chair:** William Pestle

**Participants:**

- 10:45 William Pestle, L. Antonio Curet, Joshua Torres, Reniel Rodríguez Ramos and Carmen Laguer Diaz—Proyecto Arqueológico Regional de Añasco: New Findings and Regional Research Trajectories in Western Puerto Rico

Saturday Morning, April 26

- 11:00 Meghan Mullins and Mary Jane Berman —Inter-site Rim Sherd Analysis of Three Lucayan Sites, Bahamas  
11:15 Perry Gnivecki—From Ecofact to Artifact: Wooden Artifacts from the Dead Man's Reef Site, Grand Bahama, Bahamas  
11:30 Kathryn Nold, Geoffrey W. Conrad, Claudia C. Johnson, Cody C. Roush and Michael D. Glascock—Compositional Analysis of Ceramic Sherds from Southeastern Dominican Republic  
11:45 Ivan Roksandic—Pre-Columbian Toponymy in the Greater Antilles

**[270] GENERAL SESSION ■ HISTORIC CEMETERIES**

Room: 14 (ACC)

Time: 11:00 AM - 12:00 PM

Chair: Gary Aronsen

**Participants:**

- 11:00 Gary Aronsen, Nicholas Bellantoni, Gerald Conlogue, Lars Fehren-Schmitz and Jon Krigbaum—Superstorm Sandy's Halloween surprise: Initial inventory and assessment of colonial-era burials from the New Haven Green.  
11:15 Mary Ann Owoc and Janna Napoli—From Ideology to Identity: Epitaph Memorialization in the History of the American Cemetery  
11:30 Ryan Seidemann and Kenneth Kleinpeter—Restorative Excavations and Ground Truthing Remote Sensing on the Cheap in Historic Highland Cemetery (16EBR190)  
11:45 Patricia Richards and Thomas J. Zych—“All lie down together and are soon forgotten.” The 2013 Milwaukee County Poor Farm Cemetery Project

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Saturday Afternoon, April 26

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**Saturday Afternoon ■ April 26, 2014**

**[271] GENERAL SESSION ■ OCEANIA**

**Room:** 13AB (ACC)

**Time:** 1:00 PM - 2:00 PM

**Chair:** Jennifer Huff

**Participants:**

- 1:00 Scarlett Chiu, David Killick and Christophe Sand—New discovery for sourcing New Caledonian Lapita pottery based on petrographic studies of ten Lapita sites  
1:15 Jennifer Huff—Settling down? Understanding patterns of mobility in highland Papua New Guinea through chronology and lithic reduction  
1:30 Mick Morrison—Shell mounds and niche production strategies  
1:45 Damion Sailors—He Kōkō Pu'upu'u? (A chiefly gourd net?) An Analysis of Recovered Fiber Arts from Makauwahi Cave, Kauai

**[272] GENERAL SESSION ■ MORTUARY PRACTICES IN EASTERN NORTH AMERICA**

**Room:** 16A (ACC)

**Time:** 1:00 PM - 2:15 PM

**Chair:** Katie Zejdlik

**Participants:**

- 1:00 Amber Osterholz—The Bioarchaeology of Trophy Bones: Identity and Postmortem Agency in the Archaic Eastern Woodlands  
1:15 Eve Hargrave, Julie Bukowski and Lenna Nash—Death and Sacrifice in the American Bottom  
1:30 Andrew Thompson and Kristen Hedman—Sacrificial Tribute Reconsidered: New Dental and Isotope Evidence of Biological Distance and Place of Origin for Sacrificial Burial Groups at Cahokia's Mound 72  
1:45 Katie Zejdlik, Kristin M. Hedman, Andrew R. Thompson and Thomas E. Emerson—Mound 72's Principal Individuals: A Reassessment of Sex and Its Importance to Mississippian Mortuary Practices  
2:00 Elizabeth Wix—Mississippian Kinship and the Organization of Koger's Island Cemetery Rows

**[273] SYMPOSIUM ■ TRAFFICKING CULTURAL OBJECTS**

**Room:** 18A (ACC)

**Time:** 1:00 PM - 2:30 PM

**Chair:** Donna Yates

**Participants:**

- 1:00 Terressa Davis and Simon Mackenzie—Temple Looting in Cambodia: Mapping the Networks  
1:15 Patty Gerstenblith—Prohibiting Trafficking in Cultural Objects from Areas of Armed Conflict and Occupied Territory: International Legal Instruments and Customary Law  
1:30 Brian Daniels, Sasha Renninger and Richard Leventhal—Evaluating the Impact of Archaeological Context on the Antiquities Market: A Case Study  
1:45 Donna Yates and Greg Lee—The prospect of autoregulation in the antiquities market: testing and interpreting auction data  
2:00 Jessica Dietzler—The Transnational Market in Illicit Archaeological Antiquities: Preliminary Findings of a Comparative International Study of Governance and Control  
2:15 Neil Brodie—Internet market in Precolumbian cultural objects

Saturday Afternoon, April 26

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**[274] FORUM ■ THE ENGAGED CLASSROOM: DEVELOPING ACTIVITIES FOR ARCHAEOLOGY COURSES**

(Sponsored by SAA Public Education Committee)

**Room:** 8B (ACC)

**Time:** 1:00 PM - 3:00 PM

**Moderator:** Heidi Bauer-Clapp

**Participants:**

Heidi Bauer-Clapp—Discussant

Robert Connolly—Discussant

Bonnie Pitblado—Discussant

Katie Kirakosian—Discussant

**[275] SYMPOSIUM ■ TULA OF THE TOLTECS AND CENTRAL MEXICAN ARCHAEOLOGY: RESEARCH PAPERS PRESENTED IN HONOR OF DAN M. HEALAN**

**Room:** 9C (ACC)

**Time:** 1:00 PM - 3:00 PM

**Chairs:** Nezahualcoyotl Xiuhtecutli and Haley Holt Mehta

**Participants:**

- 1:00 Robert Cobean—Surveying and Sampling Ancient Mexican Obsidian Sources: The Case for Total Surveys of Source Systems
- 1:15 Deborah Nichols, Wes Stoner and Destiny Crider—A Geospatial Approach to the Development of Postclassic Markets: Ceramic Production and Exchange
- 1:30 Haley Holt Mehta—Investigating Settlement and Identity at El Tesoro, a Classic Period Zapotec Settlement in the Tula Area
- 1:45 J. Heath Anderson—Obsidian Consumption in the Tula Region after Teotihuacán's Decline: A View from Cerro Magoni
- 2:00 George Bey—Returning to the scene of the crime: The Early Tollan phase and the growth of Tula, Hidalgo, Mexico.
- 2:15 Yanina Valdos—Daring to be Different: Aztec Tula and the Triple Alliance's relationship with its northern hinterland
- 2:30 Nezahualcoyotl Xiuhtecutli—Surrounded?: Assessing the Aztec Blockade on Tlaxcallan through Surface Evidence from Tepeticpac
- 2:45 Dan Healan—Discussant

**[276] SYMPOSIUM ■ THE DESTINY OF THEIR MANIFESTS: MODELING SIXTEENTH-CENTURY ENTRADA ASSEMBLAGES IN NORTH AMERICA**

**Room:** 9B (ACC)

**Time:** 1:00 PM - 3:15 PM

**Chairs:** Clay Mathers and Jeffrey Mitchem

**Participants:**

- 1:00 Clay Mathers and Michael Marshall—'Missing Links' and the War of the Worlds in Tiguex (1540-1542)
- 1:15 Jeffrey Mitchem—Archaeological Evidence for the Hernando de Soto Expedition West of the Mississippi River
- 1:30 Daniel Seinfeld, Munir Humayun and Jennifer Humayun—Chemical Analysis of Chevron Beads from Early Sixteenth-Century Spanish Entradas into the Southeastern United States
- 1:45 Dennis Blanton—Explaining Archaeological Variability Among Sites of Early, Native-Spanish Encounter in the Southeast
- 2:00 Christopher Rodning, David Moore and Robin Beck—Material Culture on the Northern Frontier of La Florida

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Saturday Afternoon, April 26

- 2:15 Craig Sheldon and Ned Jenkins—The Hernando de Soto and Tristán de Luna Entradas and the Provinces of Talisi and Tascaluca in Central Alabama.  
2:30 Marvin Smith and David Hally—Where'd You Get that Cool Stuff?: Mechanisms of European Artifact Dispersion in the Sixteenth-century Southeast  
2:45 John Worth and John Bratten—The Materials of Colonization: Archaeological and Documentary Traces of Tristán de Luna's Colonial Fleet  
3:00 Charles Ewen—The Legacy of the Governor Martin Site

**[277] SYMPOSIUM ■ THE LIGHT AND DARK SIDES OF LAS CUEVAS, BELIZE****Room:** 17A (ACC)**Time:** 1:00 PM - 3:30 PM**Chair:** Holley Moyes**Participants:**

- 1:00 Maureen Carpenter—Dead Wrong: Investigations Concerning Two Eastern Structures at Las Cuevas, Belize  
1:15 Mark Robinson—Building Identity at Las Cuevas: Architectural Excavations in Plaza B  
1:30 Marieka Arksey, Holley Moyes and Mark Robinson—Ritual Pathways at Las Cuevas  
1:45 Harriet Phillips, Holley Moyes, Justine Issavi and Nicholas Bourgeois—Mapping the Underworld: Innovations in Cave Mapping at Las Cuevas Using GIS  
2:00 Holley Moyes—The Dark Side of Las Cuevas: A Ritual Journey  
2:15 Erin Ray, Hector Neff and Holley Moyes—Ritual Cave Use at Las Cuevas, Belize: Preliminary Results of Geochemical Analysis  
2:30 Barbara Voorhies—A Ritual Location at the Rear of The Entrance Chamber of the Las Cuevas Cave  
2:45 Laura Kosakowsky—All Sacbes Lead to Las Cuevas: The Late Classic Ceramics  
3:00 Fabrizio Galeazzi and Stefan Lindgren—Digital Archaeology at Las Cuevas: Comparison of Laser Scanning and Dense Stereo Matching Techniques for 3D Intra-site Documentation.  
3:15 Keith Prufer—Discussant

**[278] GENERAL SESSION ■ PALEOLITHIC EUROPE****Room:** 10B (ACC)**Time:** 1:00 PM - 3:30 PM**Chair:** Terren Proctor**Participants:**

- 1:00 John Speth—Could Neanderthals Boil?  
1:15 Andrew White—Marriage, Mortality, and Middle Paleolithic Families: Implications of a Model-Based Analysis  
1:30 Jarod Hutson, Aritzia Villaluenga, Alejandro García-Moreno, Elaine Turner and Sabine Gaudzinski-Windheuser—Leading a horse to water: hominin activities at the Schöningen 13II-4 “Spear Horizon”  
1:45 Jonathan Haws, Michael Benedetti, Bryan Hockett, Vera Pereira and Rita Dias—Lapa do Picareiro: A 50,000-year record of human occupation and environmental change in central Portugal  
2:00 Christopher Sims—Applications of Geospatial Analysis and a Landscape Approach to Paleolithic Sites in Portugal  
2:15 Matthew Sisk—Ecological Modeling of Middle and Upper Paleolithic Sites in the Vézère Valley, France  
2:30 Terren Proctor—The Last Neanderthals: An Examination of Climatic Influence on the Extinction of the Neanderthals

Saturday Afternoon, April 26

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- 2:45 Jenifer Gustavsen, Laura Dane and Mark Collard—Developing a method for assessing the skillfulness and practice time of Upper Paleolithic artists  
3:00 Dusan Boric, Emanuela Cristiani, Zvezdana Vusovic-Lucic and Dusan Mihailovic—LGM marmot hunting in the Dinaric Alps  
3:15 Sonja Grimm—Tomorrow is another day – The limits of Magdalenian resilience in Lateglacial north-western Europe

**[279] SYMPOSIUM ■ THE EARLY MESOAMERICAN CITY: URBANISM AND URBANIZATION IN THE FORMATIVE PERIOD**

**Room:** 19A (ACC)

**Time:** 1:00 PM - 3:45 PM

**Chair:** Michael Love

**Participants:**

- 1:00 Michael Love—The Early Mesoamerican City: An Introduction  
1:15 Saburo Sugiyama—The Nature of Early Urbanism in Teotihuacan  
1:30 Arthur Joyce—Oaxaca's Formative-Period Cities and their Implications for Early Urbanism in Mesoamerica  
1:45 Christopher Pool and Michael Loughlin—Making Urban Places in the Late Formative Gulf Lowlands, Mexico  
2:00 Travis Stanton—Evaluating Formative Period Yaxuna through Monumental Architecture  
2:15 Marcello Canuto and Francisco Estrada-Belli—Socio-political Complexity and Early Urbanism in the Lowland Maya Area  
2:30 Barbara Arroyo—The City over the City: Kaminaljuyu and Urbanism  
2:45 Julia Guernsey—High Culture in Preclassic Mesoamerica: Sculpture, Ideology, and Identity  
3:00 Michael Smith—Discussant  
3:15 Monica Smith—Discussant  
3:30 Norman Yoffee—Discussant

**[280] SYMPOSIUM ■ CALF CREEK: A MIDDLE HOLOCENE HORIZON ON THE SOUTHERN PLAINS**

**Room:** 9A (ACC)

**Time:** 1:00 PM - 3:45 PM

**Chairs:** Jon Lohse and Marjorie Duncan

**Participants:**

- 1:00 Don Wyckoff—The Primrose and Anthony Sites: Calf Creek Base Camps and Staging Areas in Central Oklahoma  
1:15 Leland Bement and Kristen Carlson—Bison Across the Holocene: What Did Calf Creek Foragers Hunt?  
1:30 Jon Lohse, Brendan Culleton and Douglas Kennett—Dating Calf Creek Bison in Texas  
1:45 Corinne Wong and Jay Banner—Characterizing Climate in Central Texas during the Calf Creek Period using Speleothem Proxies  
2:00 J. Byron Sudbury—Phytoliths and Paleosols of Calf Creek Times  
2:15 Paul Benefield—Replicating Calf Creek Lithic Technology  
2:30 Michael Stites, Robert J. Hoard and Rolfe D. Mandel—Calf Creek in Kansas: The Northwestern Frontier  
2:45 Marjorie Duncan—Calf Creek Campsites on the Flint Hills of Kansas and Oklahoma: The Grouse Creek and Kubik Sites  
3:00 Jack Ray and Neal Lopinot—Calf Creek on the Eastern Horizon  
3:15 Sergio Ayala—Discussant

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Saturday Afternoon, April 26

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3:30 Stance Hurst—Discussant

**[281] SYMPOSIUM ■ REASSEMBLING THE SACRED BUNDLE: MULTIFACETED APPROACHES TO UNDERSTANDING THE PAST.**

**Room:** 14 (ACC)

**Time:** 1:00 PM - 3:45 PM

**Chairs:** Arthur Rostoker and Leon Doyon

**Participants:**

- 1:00 John Blitz—Skeuomorphs and the Construction of Object Value in the Ancient Eastern Woodlands  
1:15 Barbara Stark—Are you being served by formal Mesoamerican ballcourts?  
1:30 Karen Bruhns—Heads in the Sand, Feathers in the Air: Undocumented Antiquities and American Archaeology  
1:45 Warren DeBoer—Pots for Tots II: The Ceramic Art of Shipibo and Mimbres Children  
2:00 Questions and Answers  
2:15 Dean Arnold—Ethnoarchaeology and the Meaning of Style: An Example from Quinua, Peru  
2:30 Richard Burger, Lucy Salazar and Jorge Silva—Lost in the Mist of the Ceja de Selva: A U-shaped Formative Complex in Moyobamba?  
2:45 Michael Heckenberger—The Measure of Amazonian Complexity  
3:00 Warren Church—Pre-Hispanic Travel and Transport Assemblages from Peru's Northeastern Tropical Montane Forest  
3:15 J. Scott Raymond—Discussant  
3:30 Patricia Lyon—Discussant

**[282] SYMPOSIUM ■ LONESOME LANDSCAPES: THE ARCHAEOLOGY OF REMOTENESS AND ISOLATION**

**Room:** 10A (ACC)

**Time:** 1:00 PM - 4:00 PM

**Chairs:** Daron Duke and Matthew Des Lauriers

**Participants:**

- 1:00 Matthew Des Lauriers—Degrees of Separation: Desert Islands as Remote Landscapes  
1:15 Allika Ruby and Adrian Whitaker—Lonesome Landscapes as Post-Contact Refugia  
1:30 Quentin Mackie—The Middle of Somewhere: Periphery as Centre on the Northwest Coast of North America  
1:45 Brian Wygal and Kathryn Krasinski—Late Glacial Exploration and Colonization of the Last Beringian Frontier  
2:00 David Yesner—Isolation and Cultural Complexity: Key Arguments from Coastal Alaska, NE Asia and Tierra del Fuego  
2:15 Angus Quinlan—Distant Meanings: The Social and Landscape Contexts of Great Basin Rock Art  
2:30 Renee Kovel—Social Isolation and the Civilian Conservation Corps (CCC): Case Studies from Nevada  
2:45 Anna Roosevelt and Christopher Davis—Monte Alegre, Brazil: Remote in Time, Space, Scholarly Culture, and Culture History  
3:00 James O'Connell and Brian Codding—Ideal Free Colonization of Australia's Arid Zone  
3:15 Daron Duke—What Was Remote or Isolated to Mobile Paleoindians in the Desert West? A Case Study from the Great Salt Lake Desert

Saturday Afternoon, April 26

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- 3:30 Robert Elston—Discussant  
3:45 William Hildebrandt—Discussant

**[283] SYMPOSIUM ■ FORENSIC ARCHAEOLOGY: PAST CASES, CURRENT RESEARCH**

**Room:** 11AB (ACC)

**Time:** 1:00 PM - 4:15 PM

**Chair:** Kimberlee Moran

**Participants:**

- 1:00 Vaughn Bryant—Forensic Archaeology & Pollen: Why Use It  
1:15 Paul Martin—Evaluation of Geophysical Methods in the Detection of Toddler Sized Burials within the First Six Months of Burial  
1:30 Kimberlee Moran—Implementing the Weldon Spring Protocols in a full-scale post-blast field exercise  
1:45 Roosje De Leeuw—A case study from The Netherlands and an update on European trends and perspectives in Forensic archaeology  
2:00 William Hawkins and Ryan Seidemann—Helping with the Previously-Deceased: Legal and Logistical Problems Encountered in Responding to Cemetery Damage in Louisiana from Hurricane Isaac  
2:15 Laura Evis, Tim Darvill, Paul Cheetham and Ian Hanson—Digging the Dirt: An Evaluation of Archaeological Excavation and Recording Techniques and Their Applicability in Forensic Casework  
2:30 Ann Marie Mires—Standing the Test of Time: Forensic Archaeology on Trial  
2:45 Christian Wells, Erin Kimmerle and Antoinette Jackson—Interdisciplinary Forensic Archaeology and Restorative Justice: The Case of the Boot Hill Cemetery, Marianna, Florida  
3:00 Alex Garcia-Putnam and Megan Perry—An Investigation of the Taphonomic Effects of Animal Scavenging  
3:15 Anna Davenport—Can the forensic archaeologist ever be truly independent?  
3:30 Andrea Muñoz Villarreal—The Application of Forensic Archeology in Mexico: Methodological Proposal for Excavating, Recording and Recovering Cadavers and Evidence Related Within Mass Graves Associated to the Drug Cartels  
3:45 Robert Janaway—The development of Forensic Archaeology in the UK: surviving the market?  
4:00 Questions and Answers

**[284] SYMPOSIUM ■ HUMANS ON THE LANDSCAPE: PAPERS IN HONOR OF MICHAEL JOCHIM, PART 2**

**Room:** Ballroom G (ACC)

**Time:** 1:00 PM - 4:30 PM

**Chairs:** Mary Lou Larson and Brenda Bowser

**Participants:**

- 1:00 Mary Lou Larson, Nicholas Freeland and Marcel Kornfeld—Permutations in Paleoindian Lifeways: 5,000 Years at Hell Gap  
1:15 Robert Bettinger, David Madsen, Robert Elston and Jeffrey Brantingham—Late Pleistocene Lithic Technology on the Upper Yellow River, PRC  
1:30 Brent Leftwich—Bedrock Mortars, Basins, and Behavioral Ecology: Resource Use, Procurement, and Processing Strategies in the North-Central Sierra Nevada  
1:45 Brenda Bowser and John Patton—Women's Manioc Cultivation in Amazonian Ecuador: A Perspective from Human Behavioral Ecology  
2:00 Jelmer Eerkens—Archaeology as Long-Term Ethnography: Stable Isotopes as Short-Term Records of Behavioral Variation

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Saturday Afternoon, April 26

- 2:15 Brian Codding—Risk, Gender and Long-Term Ethnography: Examining the Origins of Australia's Desert Societies  
2:30 Amy Gusick—A Balancing Act: Energetic Yield Objectives and Non-Food Resources during the Early Holocene on Santa Cruz Island  
2:45 Questions and Answers  
3:00 HB Thakar—Food & Fertility: An Evolutionary Context for Understanding Hunter-Gatherer Demographic Shifts  
3:15 Eric Nocerino—Modeling Hunter-Gatherer Settlement Patterns with GIS: Prehistoric Chumash Settlement at Vandenberg Air Force Base, California  
3:30 Kenneth Kvamme—MICHAEL A. JOCHIM AND PREDICTIVE ARCHAEOLOGICAL MODELS: THE BIRTH OF A NEW INDUSTRY  
3:45 Janine Gasco—Ecology, Economy, and Cacao Cultivation in Soconusco, Chiapas, Mexico  
4:00 H Martin Wobst—Discussant  
4:15 Michael Jochim—Discussant

- [285] SYMPOSIUM ■ RECENT ADVANCES IN THE ARCHAEOLOGY OF PACHACAMAC, PANQUILMA AND THE LURÍN VALLEY IN THE PERUVIAN CENTRAL COAST**  
(Sponsored by Instituto de Estudios Peruanos (IEP))  
**Room:** 18B (ACC)  
**Time:** 1:00 PM - 4:15 PM  
**Chair:** Enrique Lopez-Hurtado

**Participants:**

- 1:00 Camila Capriata Estrada and Enrique López-Hurtado—Termination Rituals at Panquilma  
1:15 Courtney Van Gemert and Alysia Leon—A Comprehensive Analysis of Looted Skeletal Remains from the Site of Panquilma in the Lurin Valley of Peru  
1:30 Alysia Leon and Courtney Van Gemert—Social Structure Inferences from Funerary Remains Located at the Site of Panquilma in Cieneguilla, Peru  
1:45 Natasha Devji and Tatyanna Ewald—Investigating the Ancient Elite of Panquilma's Public Sector  
2:00 Dana Case—Textile Production at Panquilma  
2:15 Zachary Critchley—Architectural and Spatial Organization: Social Control at Panquilma  
2:30 Tatiana Stellian and Delia Llamoja Vega—Archaeobotanical Studies in the Central Coast of Peru. The Case of the Inca site of Panquilma and its Distribution, Consumption and Manipulation of Native Andean Plants  
2:45 Lauren Ramage—Patterns of Settlement Hierarchy in the Lurin Valley during the Late Intermediate and Late Horizon  
3:00 Gabriel Silva Collins—Spatial Functionality and Ritual Offerings in Lurín Valley Ychma Households  
3:15 Rachael McKaig—Material Wealth and Socioeconomic Connections in the Lurin valley – Panquilma and Pachacamac as a Case Study  
3:30 Augusto Vasquez—Domestic Archaeology in Panquilma. A Comparison of Central and Peripheral Household Compounds.  
3:45 John Warner—Discussant  
4:00 Robyn Cutright—Discussant

- [286] SYMPOSIUM ■ CURRENT ISSUES IN ZOOARCHAEOLOGICAL SAMPLING AND METHODOLOGY**  
(Sponsored by SAA Zooarchaeology Interest Group)

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Saturday Afternoon, April 26

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**Room:** 15 (ACC)

**Time:** 1:00 PM - 4:45 PM

**Chairs:** Christina Giovas and Aaron Poteate

**Participants:**

- 1:00 Jacob Fisher—Methodological Considerations for Computing NISP: A Case Study from the White Mountains, California
- 1:15 R. Lyman—The History of MNI in North American Zooarchaeology
- 1:30 Kitty Emery and Erin Thornton—Something's Fishy: Why Maya Archaeologists Should Use Fine-Gauge Screens (Sometimes)
- 1:45 Aaron Poteate—Digging in the Dark: The Influence of Spatial Sampling in Zooarchaeological Analysis
- 2:00 Virginia Butler, Sarah Campbell, Kris Bovy, Mike Etnier and Sarah Sterling—A Drop in the Bucket: Characterizing Complex Middens with 10 Liter Sample Units
- 2:15 Christina Giovas—A Big Fish Tale? Assessing the Impact of Restricted Element Analysis in Archaeological Fish Studies
- 2:30 Mike Cannon—Interaction Effects Among Bone Fragmentation and Screen Mesh Size in the Measurement of Taxonomic Relative Abundance
- 2:45 Emily Lena Jones—Coming to Terms with Imperfection: Comparative Zooarchaeology in Early Historic New Mexico
- 3:00 Lisa Matisoo-Smith—Ancient DNA of Pacific Commensals— New Methods New Questions
- 3:15 Catherine West, Meghan Burchell and Fred Andrus—Shellfish and Paleoenvironmental Reconstruction in Island and Coastal Settings: Variability, Seasonality, and Sampling
- 3:30 Torben Rick—Oysters, Foxes, and Everything in Between: Reasserting the Importance of Chronology Building in Zooarchaeology
- 3:45 Sarah Kansa, A. Levent Atici, Richard H. Meadow and Eric C. Kansa—Documenting and Disseminating Zooarchaeological Data in the Digital Age
- 4:00 Todd Braje, Kevin Smith, Breana Campbell and Daniel Calvani—The California Sheephead (*Semicossyphus pulcher*) Fishery: Past, Present, and Future
- 4:15 Jonathan Driver—Discussant
- 4:30 Questions and Answers

**[287] SYMPOSIUM ■ THE GOLD ANNIVERSARY OF OBSIDIAN SOURCING: 50 YEARS OF RESEARCH AROUND THE WORLD. PART II**

(Sponsored by International Association of Obsidian Studies (IAOS) and Society for Archaeological Science (SAS))

**Room:** 12AB (ACC)

**Time:** 1:00 PM - 4:45 PM

**Chair:** Jeffrey Ferguson

**Participants:**

- 1:00 Yoshimitsu Suda, Jeffrey Ferguson, Michael Glascock, Vladimir Popov and Sergei Rasskazov—Geochemical composition of obsidian from the Shirataki source, Hokkaido, northern Japan: Inter-laboratory check and its consequence
- 1:15 Jeffrey Ferguson and Masami Izuhara—Upper Paleolithic Obsidian Use on Hokkaido, Japan
- 1:30 Richard Hughes—Obsidian Provenance Studies in California and Great Basin Archaeology
- 1:45 Jeanne Binning, Alan P. Garfinkel, Jennifer J. Thatcher, Craig E. Skinner and Brian Wickstrom—Obsidian Use in the San Joaquin Valley During the Holocene
- 2:00 Sean Dolan—Past Perspectives and New Issues in Obsidian Sourcing in the American Southwest

Saturday Afternoon, April 26

- 2:15      Meredith Anderson—Re-examining Teotihuacan's Classic Period Obsidian Network through Patterns of Consumption: A View from the Hinterlands  
 2:30      Michael Glascock—Reflections on Obsidian Studies and Their Contribution to Mesoamerican Archaeology  
 2:45      Questions and Answers  
 3:00      Martin Giesso, Valeria Cortegoso, Victor Duran, Gustavo Neme and Ramiro Barberena—Obsidian studies in Mendoza (Argentina): A sinuous way to do the things without following the rules  
 3:15      Elizabeth Pintar and Jorge G. Martínez—Obsidian Projectile Points: Patterns Of Variation And Range Of Mobility During The Mid-Holocene In The Salt Puna Of Nw Argentina, South-Central Andes  
 3:30      Christopher Stevenson—A Single Step Method for Obsidian Hydration Dating Using Infrared Photoacoustic Spectroscopy  
 3:45      Alexander Rogers and Christopher Stevenson—Obsidian Hydration as "Diffusion-Relaxation": A Polymer Model for the Hydration Process  
 4:00      Robert Speakman—Discussant  
 4:15      Tristan Carter—Discussant  
 4:30      Robert Tykot—Discussant

- [288] SYMPOSIUM ■ FEAST, FAMINE OR FIGHTING? MULTIPLE PATHWAYS TO SOCIAL COMPLEXITY**  
**Room:** 18D (ACC)  
**Time:** 1:00 PM - 4:45 PM  
**Chairs:** Richard Chacon and Rubén Mendoza

**Participants:**

- 1:00      Kristian Kristiansen—The Advent of Bronze Age Social Complexity  
 1:15      Ludomir Lozny—Societal Dynamics of the North Central European Plains, 600-900 C.E.  
 1:30      Jianping Yi—Stratified Societies without Centralized Leadership: Yi in Southwestern China  
 1:45      Peter Robertshaw—African Perspectives on Pathways to Social Complexity: Ritual Authority, Public Healing and Knowledge Networks  
 2:00      Paul Roscoe—Military Strength, Material Distribution, and Monument Construction: Status Pursuits in Contact-era New Guinea  
 2:15      Richard Chacon and Douglas Hayward—Fighting or Feasting? Pathways to Social Inequality in Egalitarian Amazonia and New Guinea  
 2:30      Richard Wilshusen—Early Pueblo Great House Communities and Their Leaders: Tools for Identifying the Social Networks of Leadership in Mesa Verde and Chaco  
 2:45      Questions and Answers  
 3:00      Robert Cook and David Anderson—Development of Complex Societies in Eastern North America  
 3:15      Richard Hansen—The Feast before Famine and Fighting: The Origins and Consequences of Social Complexity in the Mirador Basin, Guatemala  
 3:30      Rubén Mendoza—The Olmec Resurgence: Environmental Redundancy, Resource Interdependence, and the Reciprocal Evolution of the Hierarchical-Heterarchical States of Highland-Lowland Mesoamerica  
 3:45      George Maloof—Long-Term Social Stability in Pre-Columbian Costa Rica  
 4:00      John Janusek—Centering 'Complexity': Ritual, Materiality, and Emergent Urbanism in the South-Central Andes  
 4:15      David Willer, Yamilette Chacon, Richard Chacon, Pamela Emanuelson and Danielle Lewis—From Influence to Power: The Path through Chiefdoms to the

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Saturday Afternoon, April 26

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**Emergence of the State**

4:30 Robert Carneiro—Discussant

**[289] SYMPOSIUM ■ COUPLED REGIONS, COUPLED SYSTEMS: DYNAMICS OF PREHISPANIC FARMING SOCIETIES IN THE NORTHERN SAN JUAN AND THE NORTHERN RIO GRANDE**

**Room:** 16B (ACC)

**Time:** 1:00 PM - 4:45 PM

**Chairs:** Tim Kohler and Kelsey Reese

**Participants:**

- 1:00 Tim Kohler, Kelsey Reese, Stefani A. Crabtree, R. Kyle Bocinsky and Brian M. Kemp—Prolegomenon: VEP II, Almost in Retrospect
- 1:15 R. Kyle Bocinsky, Timothy A. Kohler, Jesse Clark and Kurt Anschuetz—A General Spatial Reconstruction of Potential Maize Paleoproduction, AD 600–2000
- 1:30 Cynthia Fadem and Paul Ermigotti—Pedology, the Pueblo Farming Project, and the Village Ecodynamics Project: Intersections and Directions
- 1:45 Mark Varien—The Introduction of Agriculture and the Beginning of Pueblo Indian Settlement in the VEP North and South Study Areas
- 2:00 Dylan Schwindt, Scott Ortman and Donna Glowacki—Comparing Demography and Population History between the Northern San Juan and Northern Rio Grande
- 2:15 Ziad Kobti, Lokesh Patil, Devin White, R. Kyle Bocinsky and Stefani A. Crabtree—Modeling Long-Distance Migration in the Village Ecodynamics Project
- 2:30 Caitlin Sommer, Jerry Fetterman and Shanna Diederichs—Population and Organization of a Basketmaker III Settlement in Southwest Colorado
- 2:45 Kelsey Reese—Letting the Data Define the Terms: Mapping Community Size and Expanse in Mesa Verde Proper
- 3:00 Donna Glowacki, J. Michael Bremer, Scott Ortman, Grant Coffey and Rory Gauthier—Population Aggregation and Community Center Organization: Comparing the VEP North and South Study Areas
- 3:15 Fumiyasu Arakawa, Nathan Goodale and Douglas Harro—Village Ecodynamics II South Lithic Research
- 3:30 Stefani Crabtree, Tim Kohler and Kyle Bocinsky—The Development of Social Groups, Leadership and Inequality in the Central Mesa Verde
- 3:45 Scott Ortman—Economic Development in Pueblo History: Methods and Data from the VEP
- 4:00 Questions and Answers
- 4:15 David Stahle—Discussant
- 4:30 Michelle Hegmon—Discussant

**[290] SYMPOSIUM ■ ADVANCING THEORY AND INTERPRETATION IN A 21ST CENTURY PACIFIC NORTHWEST ARCHAEOLOGY**

**Room:** 17B (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chair:** Anna Prentiss

**Participants:**

- 1:00 Nathan Goodale, Alissa Nauman and Curtis Osterhoudt—Paleodemography of the Upper Columbia: Detecting regional population trends in the interior Pacific Northwest
- 1:15 Matthew Walsh—Assessing Generation-scale Shifts in Subsistence Practices over time at Housepit 54, Bridge River Site (EeRI4), British Columbia, Canada
- 1:30 Sarah Campbell and Virginia Butler—Modeling Dynamic Social Organization and Resource Use for the Tse-Whit-zen Village Site

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Saturday Afternoon, April 26

- 1:45 Natasha Lyons, Tanja Hoffmann and Debbie Miller—Picturing new socioeconomic realities for Coast Salish societies of the mid-Holocene based on excavations of a Katzie village
- 2:00 Elizabeth Sobel—Explaining Prestige Goods: Applying Helms' Cosmological Framework in the Archaeology of the Pacific Northwest
- 2:15 Kristen Barnett—Little Houses on the Hillside: Community Ritual in the Mid-Fraser Canyon of British Columbia
- 2:30 Alissa Nauman and Nathan Goodale—Rethinking Conclusions from Large Housepits in the Interior Pacific Northwest
- 2:45 D. Gahr—Emancipating Pacific Northwest Archaeobotany from Ethnography while Benefiting from its Largesse
- 3:00 Lisa Smith—Late Period Household Socioeconomics in the Middle Fraser Region of British Columbia and Its Implications for Understanding the Early Colonial Period
- 3:15 Lucille Harris—An Entanglement of Boxes: Navigating the Web of Theory and Ethnography in Plateau Archaeology and Charting One Possible Course Out of the Interpretive "Box"
- 3:30 Andrew Martindale—Cans of Worms: Explanation in Tsimshian Archaeology
- 3:45 Alexandra Williams, Anna Marie Prentiss and Richard Sattler Jr.—Ethnography and the Interpretation of Ancient Socio-Political Structure on the Plateau
- 4:00 David Schaepe—Crossing The Theoretical Contact Barrier In S'olh Temexw
- 4:15 Colin Grier—Actor Networks and Coastal Landforms in Precontact Coast Salish History: Formulating a New Approach to Some Key Issues in Northwest Coast Archaeology
- 4:30 Kenneth Ames—Discussant
- 4:45 Kenneth Sassaman—Discussant

**[291] SYMPOSIUM ■ BIOARCHAEOLOGICAL APPROACHES TO KINSHIP: BRIDGING BIOLOGY, SOCIAL RELATEDNESS, AND THEORY**

**Room:** 18C (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chairs:** Kent Johnson and Kathleen Paul

**Participants:**

- 1:00 Kathleen Paul and Kent Johnson—Accessing mid-scale collective identities in the past: new bioarchaeological perspectives on kinship.
- 1:15 Sonia Zakrzewski—Kinship, Identity and Ancient Egyptian Bioarchaeological Relatedness
- 1:30 Andrew Seidel and Kristin Nado—Changing Conceptualizations of Kinship among Post-Meroitic and Christian Period Nubians from the 4th Catarct Region, Sudan
- 1:45 Abigail Bouwman—The different aspects of aDNA in establishing kinship.
- 2:00 Marin Pilloud and Clark Larsen—Alternative Definitions of Kin within Bioarchaeology: A Case Study from Neolithic Çatalhöyük, Turkey
- 2:15 Maureen Marshall—"Sharing death": Double Interments in the Late Bronze Age South Caucasus
- 2:30 Ian Pawn—Kinship at Tiszapolgar-Basatanya: A bioarchaeological study of genetic and affinal relations during the Early to Middle Copper Age on the Hungarian Plain
- 2:45 Amelia R. Hubbard and Christopher M. Stojanowski—A biological approach to identifying kin: a case study from modern-day coastal Kenya
- 3:00 Bethany Usher and Jaimin Weets—Identifying Kinship Patterns in Anabaptist Cemeteries: Modeling Archaeological Graveyards

Saturday Afternoon, April 26

- 3:15 Katherine Miller—Creating Community at Copan: The Intersection of Kinship and Migration at the Maya Frontier  
3:30 Jaime Mata-Miguez, Lisa Overholtzer, Enrique Rodríguez-Alegría, Brian Kemp and Deborah Bolnick—Using Household Bioarchaeology to Assess the Demographic Effects of Aztec Imperialism: A Kinship Study Based on Ancient Mitochondrial and Nuclear DNA from Xaltocan, Mexico  
3:45 Jason King—Relatedness and Ideology in Middle and Late Woodland Period Societies in the Lower Illinois Valley  
4:00 Kathryn Miyar—The Reconstruction of Kin Relations and Cultural Identity at Bull Creek (9ME1)  
4:15 Kent Johnson and Christopher Stojanowski—Kinship and heterogeneity of frailty: a case study from Spanish Florida  
4:30 Bradley Ensor—Discussant  
4:45 Jane Buikstra—Discussant

**[292] SYMPOSIUM ■ THE REGIONAL IN THE LOCAL AND THE LOCAL IN THE REGIONAL: PAPERS IN HONOR OF LESLIE C. SHAW****Room:** 19B (ACC)**Time:** 1:00 PM - 5:00 PM**Chair:** Eleanor King**Participants:**

- 1:00 John Cross—Actions and Strategies: The View from a Lithic Workshop at Kichpanha, Belize  
1:15 Ann Magennis—Dietary Implications of Exchange from Kichpanha, Belize  
1:30 Thomas Hester and Harry Shafer—LATE PRECLASSIC COMPLEXITY: VIEWS FROM COLHA  
1:45 Norman Hammond—Middle Preclassic Maya Economy at Cuello, Belize  
2:00 Beverly Chiarulli—Finding Economies of Scale From Household to Regional Patterns of Lithic Distribution in Northern Belize  
2:15 Lauren Sullivan, Palma Buttles and Fred Valdez, Jr. —Connecting the Dots: Colha, Kichpanha, and Maax Na, Preclassic to Late Classic Interactions  
2:30 Thomas Guderjan—A mechanism for collection, transport and distribution of maritime resources into mainland markets in Chetumal and Corozal Bays.  
2:45 David M. Hyde—Nested Scales of Social Organization and their Economic Implications at Medicinal Trail, a Terraced Community in Northwestern Belize  
3:00 Rissa Trachman—Economic Organization at the Site of Dos Hombres and its Hinterlands: a Multiscale Perspective in Northwestern Belize  
3:15 Marisol Cortes-Rincon, Sarah Boudreaux, Kyle Ports, Nicole Chenault and Adam Forbis—Household Economy and Exchange among the Classic Period Maya: Recent Findings from the Dos Hombres to Gran Cacao Hinterlands  
3:30 Laura Levi—An Economy of Movement  
3:45 Stanley Walling and Jonathan Hanna—Late Classic Commoner Ritualism and its Implications for Interregional Exchange  
4:00 James Brady—Opening a New Vista on Sacred Landscape in Northern Belize: A Celebration of One Aspect of Leslie Shaw's Research  
4:15 Emily Coin—A Cache Economy: Analysis of a Late Classic Cache at Maax Na, Belize  
4:30 Michael Brennan—Regional Limestone Geochemistry Study of Maya Stone Resources in the Three Rivers Region, Belize  
4:45 Eleanor King—Discussant

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Saturday Afternoon, April 26

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**[293] SYMPOSIUM ■ ARCHAEOLOGY BEYOND BORDERS: CURRENT INVESTIGATIONS BY MEXICAN AND AMERICAN RESEARCHERS**

**Room:** Ballroom E (ACC)

**Time:** 1:00 PM - 5:00 PM

**Chairs:** Julie Wesp and Kirby Farah

**Participants:**

- 1:00 Alex Badillo—Systematic mountain survey of the Nejapa Valley region, Oaxaca, Mexico
- 1:15 Elizabeth Konwest—Exploring Community: Recent Excavations in Nejapa, Oaxaca
- 1:30 Ricardo Higelin and Gonzalo Sanchez Santiago—The Omichicahuaztli (scraper bone as musical instrument) in Southern Mesoamerica: A multiple-method approach to interpreting their use and significance among Prehispanic cultures of Oaxaca
- 1:45 Bryan Cockrell, José Luis Ruvalcaba Sil and Edith Ortiz Díaz—Remembrance of Things Cast (and/or Hammered): Depositions of Metal Objects at the Cenote Sagrado, Chichén Itzá
- 2:00 Elisa Villalpando—La construcción de arqueologías transnacionales en el Noroeste/Suroeste
- 2:15 Roxana Enríquez—Arqueología en Colima: al rescate del patrimonio y la investigación.
- 2:30 Dylan Birch—Tula 2013: Reexamining the Palacio Quemado through its Infrastructure
- 2:45 Jorge Archer and Verónica Ortega-Cabrera—La muerte en el Barrio Oaxaqueño, de la antigua ciudad de Teotihuacan. Una interpretación bioarqueológica de los recientes hallazgos en el Tlailotlacan
- 3:00 Claudia Camacho-trejo and Ana Bravo—Iconographic Usage of Plumage in Teotihuacan
- 3:15 Cuahtémoc Alcántara—Espacios arquitectónicos de Tuzapan en la Huasteca Veracruzana.
- 3:30 Ángel González López—Las Mesas Rituales de Piedra de Estilo Azteca: tres ejemplos poco conocidos
- 3:45 Mario Martínez Lara—Análisis iconográfico de los Once Señores de Cacaxtla
- 4:00 Camila Pascal—El cambio formal de algunos edificios de la zona arqueológica del Templo Mayor: El caso de las estructuras A y B.
- 4:15 Kirby Farah—Finding common ground: a comparative study of elite and commoner domestic practices at Postclassic Xaltocan
- 4:30 Lisa Overholzer and Angélica López-Forment—Turkey, beef, or veg?: diachronic and synchronic variation in commoner household production and consumption practices at Xaltocan, Mexico
- 4:45 Juan Argueta—Challenges of Implementing New Praxes: ethnographic and community archaeology in Xaltocan

**[294] SYMPOSIUM ■ LAND USE AND SOCIAL HISTORY IN THE SOUTHERN CHUSKA VALLEY, NEW MEXICO.**

**Room:** 10C (ACC)

**Time:** 1:30 PM - 4:30 PM

**Chairs:** Monica Murrell and Bradley Vierra

**Participants:**

- 1:30 Monica Murrell and David Unruh—From Great Kivas to Great Houses: Early Village Formation and Integrative Architecture in the Southern Chuska Valley
- 1:45 Laurie Webster—Sandals, Baskets, and Other Perishable Technologies of the

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Saturday Afternoon, April 26

- Southern Chuska Valley  
2:00 Meaghan Trowbridge and Robert Heckman—Results of the Ceramic Analyses from the New Mexico Department of Transportation U.S. 491 Highway Project in the Southern Chuska Valley, NM  
2:15 Jeffrey Homburg, Michael Heilen and Phillip Leckman—Modeling Ancient Agricultural Land Use in the Southern Chuska Valley, New Mexico  
2:30 Pamela McBride—Chuska Archaeobotany: From Rooffall to Floorfill, Plant Remains from Late Archaic to Ancestral Pueblo Contexts  
2:45 Richard Ciolek-Torello and Bradley Vierra—Agricultural Dependence and Sedentism in the Southern Chuska Valley  
3:00 Phillip Leckman and Michael Heilen—Community Organization and Culture Change in the Chuska Valley, New Mexico  
3:15 Michael Heilen and Phillip Leckman—Cultural Landscapes of the Chuska Valley,  
3:30 David Uhruh, Phillip Leckman, Richard Ciolek-Torello and John Douglass—Architectural and Household Evolution along the Southern Chuska Slope  
3:45 John Douglass and William Graves—Households on the Social Landscape: A Perspective from the Southern Chuska Basin  
4:00 Bradley Vierra and William Graves—Land Use and Social History in the Southern Chuska Valley  
4:15 Paul Reed—Discussant

**[295] SYMPOSIUM ■ RECENT APPLICATIONS AND INNOVATION IN ARCHAEOLOGICAL REMOTE SENSING**

**Room:** 8C (ACC)

**Time:** 1:30 PM - 4:45 PM

**Chairs:** Lauren Santini and Willem VanEssendelft

**Participants:**

- 1:30 Thomas Sever—The Application of Remote Sensing and GIS technology to Archaeological Research: Past, Present, and Future.  
1:45 Timothy Murtha, Chris Balzotti, Kirk French, David Webster and Richard Terry—The Agrarian Landscape of Tikal: A View from Above  
2:00 Alex Kara and Lauren Santini—A Fistful of Data: Quantitative, Exploratory Analysis of Combined Remote Sensing and Archaeological Data  
2:15 Andrew Vaughan and Jeffrey Glover—Geospatial Data and Dialog: Perspectives from an Interdisciplinary Project Along Quintana Roo's North Coast  
2:30 Wetherbee Dorshow—Modeling Agricultural Potential in Chaco Canyon during the Bonito Phase: A Predictive Geospatial Approach  
2:45 Douglas Comer, Bryce Davenport and Zachary Lubberts—Detection Based Modeling for Wide Area Archaeological Site Inventory and Evaluation: A New Decision Support and Archaeological Landscape Research Tool  
3:00 Sarah Hlubik, Emily Wahler, Craig Feibel and John WK Harris—Multi-spectral, low-altitude aerial photography methods for archaeological survey  
3:15 Robert Griffin, Nicholas Dunning and Thomas Sever—Measuring Ancient Human Influence on a River Drainage Using Multispectral Satellite Remote Sensing and a Channel Sinuosity Index  
3:30 William Saturno and Benjamin Vining—More than meets the eye: Examining the spectral response of sugar cane to subsurface features.  
3:45 Marco Giardino and Nicola Masini—Remote Sensing of Vegetation as a Proxy for the Discovery and Delineation of Archaeological Sites  
4:00 Francisco Estrada-Belli—Discussant  
4:15 Lawrence Conyers—Discussant  
4:30 Questions and Answers

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Saturday Afternoon, April 26

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**[296] SYMPOSIUM ■ ARCHAEOLOGY SHOULD BE \_\_\_\_[ADJECTIVE/NOUN/PHRASE]\_\_\_\_: A COHORT'S PERSPECTIVE ON PARTICIPATION, PUBLICS, AND PARADIGMS**

Room: 8A (ACC)

Time: 1:30 PM - 4:45 PM

Chairs: Pamela Geller and Michael Frachetti

**Participants:**

- 1:30 Pamela Geller—Archaeology should be an introduction
- 1:45 Rachel Scott and Alexander Bauer—Archaeology should be anthropology: The benefits of four-field training
- 2:00 Alexis Boutin—Archaeology should be bioarchaeology (or should it?)
- 2:15 Anna Agbe-Davies—Archaeology should \*BE\* or the double consciousness of historical archaeology
- 2:30 Benjamin Porter—Archaeology should be undisciplined: Exploring a four-fields approach in the context of area studies archaeology
- 2:45 Michael Frachetti—Archaeology should be futuristic: Because civilization depends on it
- 3:00 Questions and Answers
- 3:15 Miranda Stockett Suri—Archaeology should be able to adapt
- 3:30 Charles Golden and Matthew Liebmann—Archaeology should be engaging
- 3:45 Lawrence Coben—Archaeology should be applied and relevant: Out of the ivory tower and into the real world
- 4:00 Gregory Borgstede—Archaeology should be diplomatic
- 4:15 Robert Preucel—Discussant
- 4:30 Wendy Ashmore—Discussant

**[297] POSTER SESSION ■ SOUTH AND EAST ASIA**

Room: Ballroom F (ACC)

Time: 2:00 PM - 4:00 PM

**Participants:**

- 297-a Lars Fogelin—Linga as Stupa: Shaivite/Buddhist Material Syncretism in South Asia in the 1st Millennium CE
- 297-b Mathew Fox—Micromorphology and Site Formation at Yangguanzhai: A preliminary analysis of the composition and formation of a Yangshao moat deposit
- 297-c Liye Xie—An early Hemudu social learning strategy reflected by the pattern of bone spade production, 7,000-6,000 BP, China
- 297-d Xu Zhang, Zhongzhi Nie, Minghui Wang, Xinhua Wu and Hong Zhu—the origin of the skeletal human remains from Liushui cemetery (about 1000BC) in southwestern Xinjiang, China

**[298] POSTER SESSION ■ AUSTRALIA AND OCEANIA**

Room: Ballroom F (ACC)

Time: 2:00 PM - 4:00 PM

**Participants:**

- 298-a Timothy Dennehy and Jacob Harris—Australian and Californian Tribal Area as a Function of Coastal Proximity and Mean Annual Precipitation
- 298-b Ben Marwick and Tim Maloney—Identification and visualisation of lithic reduction pathways using Elliptical Fourier Analysis
- 298-c Jessica Stone, Greg Nelson and Scott Fitzpatrick—Demography at the Chelechol ra Orrak Cemetery, Republic of Palau

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Saturday Afternoon, April 26

- 298-d Travis Freeland—Geochemical “mass sampling” of ceramics by pXRF; or, what to do with all those sherds?
- 298-e Maureece Levin—Paleoethnobotanical Indicators of Plant Food Production: A Contextual Approach from Pohnpei, Eastern Micronesia
- 298-f Rennie Horneman, Terry Hunt, Carl Lipo and Joanne Minerbi—Morphometric Analysis of Shape Variability Among Flaked Stemmed Obsidian Tools from Easter Island
- 298-g John Hicks—Portable X-Ray Fluorescence (pXRF) Analysis of Lithic Materials from Easter Island (Rapa Nui)

**[299] POSTER SESSION ■ PALEOLITHIC, MESOLITHIC, AND NEOLITHIC EUROPE**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 299-a Kelsey Knox and Julien Riel-Salvatore—Neandertal Sexual Division of Labor Revisited
- 299-b Marc Kissel and Matthew Piscitelli—Evidence of Interpersonal Violence in Pleistocene Populations: Introducing a New Skeletal Database of Modern Humans to Test Theories on the Origins of Warfare
- 299-c Alper Basiran and Cevdet Merih Erek—Three Dimensional Scanning of The Chipped Stone Tools from Direkli Cave / Kahramanmaraş / Turkey
- 299-d Logan Ernst and Jonathan Haws—Archaeological Charcoal Analysis of a Middle Paleolithic site, Praia Rei Cortico, in Portuguese Estremadura
- 299-e Mike Benedetti, Jonathan Haws and Dustin Pollard—Pleistocene stratigraphy and geoarchaeology of Lapa do Picareiro, central Portugal
- 299-f Andrea Zorn—New Data on Animal Exploitation During the Upper Paleolithic at Lapa do Picareiro
- 299-g Milena Carvalho and Jonathan Haws—A Carnivorous Affair: The Comparative Taphonomy of Gruta das Pulgas and Lapa do Picareiro
- 299-h Paul Thacker—The Early Upper Paleolithic at Espadanal: Contextualizing Gravettian Technological Variability in Central Portugal
- 299-i Claudine Gravel-Miguel—The Pebbles of Arene Candide
- 299-j Rebecca Wragg Sykes, Vincent Delvigne, Paul Fernandes, Audrey Lafarge and Jean-Paul Raynal—“The White Mountain”—Palaeolithic exploitation of the Saint-Pierre-Eynac silcrete, Haute-Loire (Massif Central), France; a source-centred approach
- 299-k Sarah Sherwood and Ksenija Borojevic—Examining Late Neolithic Structures on the Danube: A Microstratigraphic Approach
- 299-l Petr Kvetina, Jiri Unger, Marketa Koncelova, Jaroslav Ridky and Petr Vavrecka—Pathway to the Neolithic: augmented reality and the virtual museum

**[300] POSTER SESSION ■ PREHISTORIC AND HISTORIC EUROPE**

**Room:** Ballroom F (ACC)

**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 300-a Charlie Harper—Working for the Man: Constructing the Cyclopean Tomb and the Treasury of Atreus at Mycenae, Greece
- 300-b Emily Zavodny, Brendan J. Culleton, Sarah B. McClure, Douglas J. Kennett and Jacqueline Balen—Culture Change at the End of the Bronze Age: Iapodian Burials in Croatia
- 300-c Erin McDonald—Social and political organization in Late Bronze Age and Iron

Saturday Afternoon, April 26

- Age Ireland: Application of the dual-processual approach to settlement and pollen evidence.
- 300-d Amy Nicodemus and Ashley Lemke—From the Bronze to Iron Age: Diachronic Faunal Investigations at Pecica Şanțul Mare, Romania
- 300-e Amalia Perez-Juez, PAUL GOLDBERG and ALEXANDER SMITH—Quarrying, site fabric and site use in the first millennium Menorca, Spain
- 300-f Katharine Napora—Among the Outsiders? : Past, Present and (Uncertain) Future of the Coastal Cillini of Western Ireland
- 300-g Peregrine Grosch and P. Nick Kardulias—A Study of the Abandonment of Sites in Roman Britain
- 300-h Britta Spaulding—Positioning Swedish Rural Settlement In Preliminary Landscape Analyses: Medieval Farmstead and Historical Croft Settlement Patterns
- 300-i Paula Kay Lazarus—Landscape Economics in Uncertain Times
- 300-j Ashleigh Sims and P. Nick Kardulias—A Study of National and Local Identity at the Modern Cemetery in Athienou, Cyprus

**[301] POSTER SESSION ■ CENTRAL AND SOUTHWEST ASIA****Room:** Ballroom F (ACC)**Time:** 2:00 PM - 4:00 PM**Participants:**

- 301-a William Taylor—Equid Cranial Remains and the Antiquity of Horseback Riding in the Mongolian Steppe
- 301-b Anna Wieser—Reassessing the Bronze Age Archaeology of Kandahar Province, Afghanistan
- 301-c Elissa Bullion, Michael Frachetti and Taylor Hermes—Landscapes of the Dead: Spatial and Typological Analysis of Burials in the Byan-Zherek Valley, Kazakhstan
- 301-d Reed Goodman and Carrie Hritz—Patterns of Surface Salinization and the Identification of Subsurface Features at Girsu, Dhi Qar Governorate, Iraq
- 301-e Spencer Jamieson—Comparing Methods of Enthesis Analysis: An Example from Early Neolithic Iran.
- 301-f Sheena Ketchum—The Anatolian Double Horns of Consecration? Potstands at Neolithic and Chalcolithic Çatalhöyük, Turkey
- 301-g Sean Doyle and Tristan Carter—Obsidian Source Characterisation at Chalcolithic Çadir Höyük
- 301-h Zuzana Chovanec and Sean Rafferty—Examining the Prehistoric Use of Aromatic Plants: Procedures, Considerations and Archaeological Applications
- 301-i Kathleen Huggins, Aaron Gidding and Thomas Levy—Breaking the Ingot Out of the Mold
- 301-j Brian Porrett and P. Nick Kardulias—A WORLD-SYSTEMS PERSPECTIVE OF EARLY BRONZE AGE FORTIFICATIONS IN THE LEVANT
- 301-k Matthew Senn—Spatial Analysis of Monument Sites on the Dhufar Plateau: an Archaeological Application of Space Syntax Analysis
- 301-l Courtney Canipe and Megan Perry—Exploring Quality of Life at Petra through Paleopathology

**[302] GENERAL SESSION ■ BELIZE****Room:** 18A (ACC)**Time:** 2:45 PM - 4:45 PM**Chair:** Rachel Horowitz**Participants:**

- 2:45 Helen Haines, Kerry Sagebiel and Cara Tremain—"Footprints on the Sands of

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Saturday Afternoon, April 26

- 3:00 "Time" : Constructing a History for the Ancient Maya Site of Ka'Kabish, Belize.  
Kerry Sagebiel and James Aimers—Betwixt and Between: The Ceramics of  
Ka'Kabish, Belize
- 3:15 Steven Moodie—Identity, Authority and Social Memory: Excavations at the Ixchel  
Ballcourt, 2011-2012
- 3:30 David Sandrock and Brett A. Houk—Preliminary Results of the Gallon Jug-L  
aguana Seca Survey and Reconnaissance in Northwestern Belize
- 3:45 Pete Demarte, Gyles Iannone, Scott Macrae and Carmen McCane—Ancient  
Maya Settlement Studies in the North Vaca Plateau, Belize
- 4:00 Amber Lopez-Johnson and Jaime Awe—Preliminary Excavations of Structures  
B6 and B7 at Cahal Pech, Belize
- 4:15 Rachel Horowitz—Technological and Economic Implications of Chert Extraction  
and Production at Callar Creek Quarry, Belize
- 4:30 Sarah Kurnick—The End of Political Authority at Callar Creek, Belize

**[303] SYMPOSIUM ■ THE LINK BETWEEN MORTUARY ANALYSIS AND  
ADVANCES IN SCIENTIFIC METHODS: DEVELOPING CULTURAL CONTEXT**  
Room: 16A (ACC)  
Time: 2:45 PM - 5:00 PM  
Chairs: Sylvia Deskaaj and Amy Michael

Participants:

- 2:45 Christopher Stojanowski—The utility of intra-community approaches in  
bioarchaeology
- 3:00 Mark Schurr—The Juxtaposition of Stable Isotope and Mortuary Analyses:  
Illuminating Social Transformations in the Late Prehistoric Southeast
- 3:15 Nicholas Herrmann and Jessica Stanton—Mortuary Variability in the Late  
Woodland to Early Mississippian Period in the Lower Mississippi Valley and  
Central Gulf Coast: A View from Morton Shell Mound
- 3:30 Kelly Knudson and Christina Torres-Rouff—Integrating Identities in the South  
Central Andes: A Model for Examining Intersections of Biological and Cultural  
Identities through Bioarchaeology and Biogeochemistry
- 3:45 Oswaldo Chinchilla, Vera Tiesler, Oswaldo Gómez and T. Douglas Price—  
Cosmogony and Human Sacrifice at Tikal, Guatemala: Interdisciplinary  
approaches to the primary cremated multiple of PP7TT-01
- 4:00 Felicia Pena and Molly Zuckerman—The pox enters the space age: assessing  
the impact of mercury treatments for acquired syphilis on health in 17th to 19th  
century London using pXRF.
- 4:15 Lynne Schepartz—Feasting Men, Suffering Women: Social Roles, Diet and  
Health at Mycenaean Pylos
- 4:30 Amy Michael and Sylvia Deskaaj—Exploring the Relationship Between  
Sampling Loci and Developmental Age in Isotopic Studies of Human Teeth:  
A Pilot Study from Kamenica, Albania
- 4:45 Lynne Goldstein—Discussant

**[304] SYMPOSIUM ■ CRM NEXT-GEN: THE TRAINING AND FUTURE OF YOUNG  
CRM ARCHAEOLOGISTS**  
Room: 13AB (ACC)  
Time: 2:45 PM - 5:00 PM  
Chair: Joe Baker

Participants:

- 2:45 Nina Versaggi—Beyond the Artifact: Teaching Consultation within the Academy  
and CRM

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**Saturday Afternoon, April 26**

- 3:00 Phillip Neusius, Ben Ford, Sarah Neusius and Beverly Chiarulli—Meeting the Needs of a Modern Archaeology Workforce  
3:15 Jonathan Burns—Teaching Archaeology In The Trenches: Academic Departments, Non-Profits, And Historic Preservation In Pennsylvania  
3:30 Theodore Roberts—Changes in Consultant Archaeology  
3:45 Lynne Sebastian—Can you get a JOB doing that? The SRIF/UMD Summer Institute in Cultural Resource Management  
4:00 Angela Jaijlet-Wentling, Laura Kaufman and Amanda Rasmussen—Minimum Requirements: Experience and No Expectations?  
4:15 Joe Watkins and Carol Ellick—Training the next Generation of Tribal Historic Preservation Officers  
4:30 Molly Westby and Michael Hilton—Partnerships and Programs Designed to Recruit and Equip a New Generation of Cultural Resource Professionals in the U.S. Forest Service  
4:45 David Clarke—Demographic Disparities between Baby Boomers (when will I retire), Generation X (why can't I get a promotion), and Millennials (how can I get a job), in North American Archaeology.

**[305] SYMPOSIUM ■ REGIONAL INTEGRATION AND DISINTEGRATION IN THE NORTHERN MAYA LOWLANDS: RECENT RESEARCH ALONG THE UCI-CANSAH CAB INTERSITE CAUSEWAY**

**Room:** 9C (ACC)

**Time:** 3:15 PM - 5:00 PM

**Chair:** Scott Hutson

**Participants:**

- 3:15 Barry Kidder, Joseph Stevenson and Scott Hutson—Transformations at a Secondary Center: Survey, Mapping and Excavation at Ucanha  
3:30 Jacob Welch—The Maya Toll: Regulation, Use and Administration of the Uci-Cansahcab Sacbé  
3:45 Celine Lamb, Daniel Vallejo-Càliz and Scott R. Hutson—Current Explorations of the Formative-Classic Maya Hinterlands of Uci  
4:00 Shannon Plank, Iliana Ancona Aragón and Isabelle Martínez-Muñiz—Two Thousand Years of Ceramics Along the Uci-Cansahcab Sacbe  
4:15 Ben Hawkins, Zachary Larsen, Chris Balzotti, Tayte Campbell and Richard Terry—The Soil Resources of Uci and Ucanha, Yucatan, Mexico  
4:30 Mandy Munro-Stasiuk, T. Kam Manahan, Christopher Balzotti, Richard Terry and Nisao Ogata—Chasing chocolate: Recent investigation of collapse sinkholes (rejolladas) as loci of cacao production in the northern Maya lowlands  
4:45 William Ringle—Discussant

**[306] GENERAL SESSION ■ BIOARCHAEOLOGY IN NORTH AMERICA**

**Room:** 8B (ACC)

**Time:** 3:15 PM - 4:45 PM

**Chair:** Jennifer Bengtson

**Participants:**

- 3:15 Maggie McClain—A Skeletal Marker of Agriculturalists: Investigations on Coalesced Porosity on the Patella  
3:30 Whitney Broughton—Childhood Growth in an Oneota Community: Relating Social Stress to Biological Stress at Norris Farms 36  
3:45 Jennifer Bengtson and Jodie O'Gorman—Ethnicity and Childhood at Morton Village

Saturday Afternoon, April 26

- 4:00 Dane Magoon, Brianna Maguire and Stephanie King—A Bioarchaeological Analysis of Late Prehistoric Health and Diet at the Hatch (44PG51) and Claremont (44SY5) Sites  
4:15 Patricia Lambert—Bodies of Evidence: The Meaning of Sex Differences in the Location of Violent Injuries  
4:30 Karen Gardner, Antoinette Martinez, Eric Bartelink, Alan Leventhal and Rosemary Cambra—(Dis)ability in California Prehistory: Interpreting Social Roles of Individuals with Disabilities from CA-SCL-38 through Mortuary Context and Stable Isotope Analysis

**[307] GENERAL SESSION ■ MARITIME ARCHAEOLOGY**

**Room:** 9B (ACC)  
**Time:** 3:30 PM - 5:00 PM  
**Chair:** Frederick Hanselmann

**Participants:**

- 3:30 Bonnie Etter—Alaska Shipwreck Patterns as Determined by Geographic Information Systems  
3:45 Kara Fox—From Ship Model to Site Formation Model: Using Historical, Archaeological, and Environmental Data to Model Shipwreck Deterioration  
4:00 Robert Church—Deep-Water Shipwreck Site Distribution: The Equation of Site Formation  
4:15 Frederick Hanselmann, Christopher Horrell, Amy Borgens and Michael Brennan—The Monterrey Shipwreck Project: Overview and Context  
4:30 Christopher Horrell and Amy Borgens—The Monterrey Shipwreck Project: Research Design and Methodology  
4:45 Amy Borgens, Michael Brennan, Christopher Horrell and Frederick Hanselmann—The Monterrey Shipwreck Project: Preliminary Results

**[308] GENERAL SESSION ■ THE ARCHAIC PERIOD IN THE SOUTHEASTERN U.S.**

**Room:** 17A (ACC)  
**Time:** 3:45 PM - 4:45 PM  
**Chair:** Charlotte Pevny

**Participants:**

- 3:45 Adam Burke—Dark Waters and Darker Artifacts: Using PXRF to Analyze Chert Provenance and Patina Formation in the Aucilla River, Northwest Florida  
4:00 Charlotte Pevny, R. Christopher Goodwin and William Barse—Technological Organization at Site 8LE2105: Human Response to Late Pleistocene Environmental Change in Northern Florida  
4:15 Victoria Dekle—Artistic Style and Identity among the Late Archaic Peoples of the Southern Atlantic Coast  
4:30 Zackary Gilmore—The Social Geography of Florida's Late Archaic Shell Mound Gatherings

**[309] GENERAL SESSION ■ SPANISH COLONIALISM IN THE AMERICAS**

**Room:** 14 (ACC)  
**Time:** 4:00 PM - 5:00 PM  
**Chair:** Caroline Gabe

**Participants:**

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**Saturday Afternoon, April 26**

- 4:00 Caroline Gabe—Situational Frames of 17th century New Mexico: Examining the Built Environment of Spanish Households
- 4:15 Linnea Wren, Travis Nygard and Kaylee Spencer—Establishing and Translating Maya Spaces at Tonina and Ocosingo: How Indigenous Portraits were Moved, Mutilated, and Made Christian in New Spain
- 4:30 C. Lorena Medina—THE IMPORTANCE OF THE SECULAR CLERGY DURING THE SIXTEENTH CENTURY IN GUERRERO STATE, MEXICO
- 4:45 William Werner—Markets, Material Culture, and Mestizaje: Compositional and Archival Investigations of a Museum Accession from 1860s Central Veracruz, Mexico

**[310] GENERAL SESSION ■ EUROPE DURING THE MESOLITHIC, NEOLITHIC, AND COPPER AGE.****Room:** 10B (ACC)**Time:** 4:00 PM - 5:00 PM**Chair:** Ivana Radovanovic**Participants:**

- 4:00 Ivana Radovanovic, Rolfe Mandel and Dusan Mihailovic—Mesolithic settlement in the Iron Gates region: integrating current archaeological and geoarchaeological evidence
- 4:15 Kyra Pazan—Subsistence, Settlement, and Social Stratification on the Great Hungarian Plain During the Transition to the Copper Age
- 4:30 Sanna Kivimaki—Migration and/or New Adaptive Possibilities? – Population Growth and Decreasing Residential Mobility in Eastern Finland during 4500-3500 B.C.E.
- 4:45 Richard Yerkes, William Parkinson and Attila Gyucha—Ditches for Defense, Deterrence, and Social Delineation: Examples from the Neolithic and Copper Age of Southeastern Europe

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Sunday Morning, April 27

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**Sunday Morning ■ April 27, 2014**

**[311] GENERAL SESSION ■ CENTRAL AMERICA AND NORTHERN SOUTH AMERICA**

**Room:** 13AB (ACC)

**Time:** 8:00 AM - 9:30 AM

**Chair:** R. Jeffrey Frost

**Participants:**

- 8:00 Hernando Giraldo Tenorio—Religion, Wealth Accumulation and the Development of Social Inequalities in the Prehistoric Colombian Southwest  
8:15 Fumie Iizuka—Earliest Panamanian Pottery (~4,500-3,200 14C yr B.P.): Sedentism and Circulation Patterns  
8:30 Colin Quinn, Deborah Nichols, Michael D. Glascock and Jason Paling—Chiquilistagua Archaeological Project 2013 Obsidian Analysis and Sourcing  
8:45 William Locascio—New Thoughts on Old Trash: Patterns of Refuse Disposal at El Hatillo/He-4, Panama  
9:00 R. Jeffrey Frost—Chiriquí Mortuary Ritual at the Rivas-Panteón de la Reina Complex, Costa Rica  
9:15 Whittaker Schroder—Stone Spheres and Sacred Landscapes in Southwestern Costa Rica

**[312] GENERAL SESSION ■ GUATEMALA**

**Room:** 9A (ACC)

**Time:** 8:00 AM - 9:30 AM

**Chair:** John Hale

**Participants:**

- 8:00 John Hale and Michael Coe—Mapping a Submerged Preclassic Maya Site in Lake Atitlán, Guatemala  
8:15 Jose Raul Ortiz Vallejos—Regional Interaction in the Northern Maya Highlands of Guatemala  
8:30 Ellen Moriarty and Matthew Moriarty—Assessing the Daily Economy of an Emergent Maya Polity: Ceramic and Obsidian Data from the Motul de San José Area, Guatemala  
8:45 Olivia Navarro-Farr, Griselda Perez Robles, Stanley Guenter, Erin Patterson and Keith Eppich—Royal Ritual and Public Memory at the City Shrine of Ancient El Peru-Waka': The Archaeology of Burial 61  
9:00 Diana Fridberg—The Big Role of Small Game in the Maya Lowlands  
9:15 Anabella Coronado and Adriana Linares—Archaeology among Histories of Terror in the Maya Ixil Region of Guatemala

**[313] FORUM ■ RECENT ARCHAEOLOGICAL RESEARCH IN MONGOLIA:  
ASSEMBLING PIECES OF THE PUZZLE**

**Room:** 8A (ACC)

**Time:** 8:00 AM - 10:00 AM

**Moderator:** Jennifer Farquhar

**Participants:**

- Jargalan Burentogtokh—Discussant  
William Fitzhugh—Discussant  
William Gardner—Discussant  
Jean-Luc Houle—Discussant  
Lisa Janz—Discussant  
Joan Schneider—Discussant

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Sunday Morning, April 27

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Joshua Wright—Discussant

- [314] FORUM ■ HERESY IN THE TOWER: ARCHAEOLOGICAL FICTION--A TOOL FOR THE 21ST CENTURY**  
(Sponsored by Paleoresearch Institute)  
**Room:** 8B (ACC)  
**Time:** 8:00 AM - 10:00 AM  
**Moderator:** Kevin Jones

**Participants:**

W. Michael Gear—Discussant  
Linda Scott Cummings—Discussant  
Diane Gifford-Gonzalez—Discussant  
Erica Olsen—Discussant  
Heidi Roberts—Discussant  
Jamie Stott—Discussant  
Rebecca Rauch—Discussant  
Laura Scheiber—Discussant

- [315] POSTER SESSION ■ PALEOINDIAN AND EARLY ARCHAIC IN NORTH AMERICA**  
**Room:** Ballroom F (ACC)  
**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 315-a Robert Gustas—Early Coastal Migration Routes In the Pacific Northwest: A Case Study in Predictive Geospatial Analysis  
315-b Robert Kopperl, Christian Miss, Kenneth Ames, Charles Hodges and Amanda Taylor—Paleoindian occupation of the Puget Sound Lowlands: Preliminary findings from data recovery excavation at the Bear Creek Site (45KI839), Redmond, Washington  
315-c Ryan Byerly and D. Craig Young—Geomorphology of the Pipes Wash Fan: Implications for Early Site Preservation near Emerson Lake, California  
315-d Jennifer McElhoes, Carl Lipo, Sherri Gust, Joe Cocke and Jeanette Harlow — Pleistocene Butchering of Bison antiquus: Evidence from Palos Verde, California  
315-e Jim Wiederhold—A Functional Analysis of "Bend-Break" Artifacts from the Debra L. Friedkin Site, Texas  
315-f Charles Speer—LA-ICP-MS Sourcing of 33 Clovis Projectile Points from the Gault Site (41BL323), Salado, Texas  
315-g Matthew Boulanger and Michael J. O'Brien—Phylogenetic Analysis of Eastern Paleoindian Fluted Point Forms  
315-h John Lambert and Thomas Loebel—Cody way out East: Late Paleoindian Mobility in Early Postglacial Wisconsin  
315-i Matthew Howryla—Pennsylvania's Shift from the Pleistocene to the Holocene: Using GIS models to examine cultural continuity between Paleoindian and Early Archaic Peoples  
315-j Derek Anderson, Ryan Young and Amber Plemons—A debitage analysis of the Clovis and early Archaic components at the Topper Site  
315-k Morgan Smith—Archaeology at Wakulla Spring: Historical Investigations and Future Directions

- [316] POSTER SESSION ■ CALIFORNIA AND THE GREAT BASIN**  
**Room:** Ballroom F (ACC)  
**Time:** 8:00 AM - 10:00 AM

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Sunday Morning, April 27

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**Participants:**

- 316-a Courtney Hofman, Torben Rick, Julie King, Wendy Teeter and Jesus Maldonado—Ancient DNA and the Origin of the Catalina Island Ground Squirrel
- 316-b Jessica Colston, Richard Guttenberg and Rene Vellanoweth—Spatial Distribution of Bone Tools from the Tule Creek Village (CA-SNI-25) on San Nicolas Island, California
- 316-c Sarah Nava and Jeni Knack—The Isthmus of Santa Catalina Island: Archaeology Reexamined Through Historic and Modern Maps
- 316-d Christopher Jazwa, Todd Braje, Jon Erlandson and Douglas Kennett—Central Place Foraging and Shellfish Processing on California's Northern Channel Islands
- 316-e Chloe Atwater, Bruce Winterhalder and Darren Andolina —The Ecology of Coastal Foraging by Native Californians in the Ten Mile Dunes
- 316-f Tamara Whitley—Restoring the Cultural and Natural Landscape at the Piedras Blancas Light Station
- 316-g Dawn Ramsey Ford—Hydropower and Cultural Resources Management: A Case Study from California's Sierra Nevada
- 316-h Sarah MacDonald and Jack Broughton—Late Holocene Resource Depression in San Francisco Bay: New Mammalian Indices from the Yerba Buena Shellmound
- 316-i Joanna Roberson and Ryan Byerly—Prehistoric Felsite Procurement and Use in the Twentynine Palms Region: Perspectives from Recent Site Evaluations at the Marine Corps Air Ground Combat Center and in Upper Johnson Valley, California
- 316-j Mary Ann Vicari and Victor Villagran—Determining the Effects of Bioturbation on Prehistoric Great Basin Sites
- 316-k Mark Estes—Home is Where the Hearth Is: Late Holocene Housepit Features from the Black Rock Desert, Nevada
- 316-l Spencer Lodge and Steve Black—Roasting Pits Within the Sheep Range in Southern Nevada
- 316-m Shannon Tushman and Robert Bettinger—Why Foragers Choose Acorns before Salmon: Storage, Mobility, and Risk in Aboriginal California and Beyond
- 316-n Carly Whelan—Long-Distance Acorn Transport in Eastern California
- 316-o Kenneth Vernon—Defending Ethnographic Analogy

**[317] POSTER SESSION ■ ARCHAEOLOGICAL, EXPERIMENTAL, AND PALEOECOLOGICAL INVESTIGATIONS IN RANGE CREEK CANYON****Room:** Ballroom F (ACC)**Time:** 8:00 AM - 10:00 AM**Chair:** Shannon Boomgarden**Participants:**

- 317-a Duncan Metcalfe, Corinne Springer and Shannon Boomgarden—Range Creek Field Station: The Advantage of “Place”
- 317-b Corinne Springer, Duncan Metcalfe, Shannon Arnold and David Potter—Experimental archaeology: What can we learn in the long run?
- 317-c Shannon Boomgarden, Corinne Springer, Isaac Hart, Michelle Knoll and David Potter—Experimental Maize Farming in Range Creek Canyon, Utah: Year One
- 317-d Isaac Hart, Andrea Brunelle and Stacy Morris—Comparing Paleoecological Proxy Data to the Archaeological Record in Rance Creek Canyon, Utah
- 317-e Michelle Knoll—The Identification of Genetic Variation in Ancient Maize: Preliminary Results

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Sunday Morning, April 27

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- 317-f Michael Lewis and Joan Coltrain—Strontium Isotope Variability in Range Creek Canyon, Utah: A Pilot Study  
317-g David Potter, Shannon Boomgarden, Issac Hart and Duncan Metcalfe—Microrefuse analysis from superimposed structures at Big Village - Range Creek, Utah

**[318] POSTER SESSION ■ GAULT SITE, TEXAS: A STRATIFIED RECORD FROM OLDER-THAN-CLOVIS THROUGH LATE ARCHAIC**

(Sponsored by The Gault School of Archaeological Research)

**Room:** Ballroom F (ACC)

**Time:** 8:00 AM - 10:00 AM

**Chair:** D Clark Wernecke

**Participants:**

- 318-a D Clark Wernecke and Ashley Lemke—Incised Stones from the Area 15 Excavation: The Gault Site, Central Texas  
318-b Robert Lassen and Jennifer Anderson—The Post-Clovis Paleoindian Archaeological Sequence at Gault  
318-c Anastasia Gilmer and Charles Frederick—Geologic Context of the Older-than-Clovis Archaeological Material in Area 15 at the Gault Site (41BL323)  
318-d Bruce Bradley—A Genealogy of Late Pleistocene Flaked Stone Artifact Assemblages: An Interactive Exercise  
318-e Stephen Garrett and Sergio Ayala—Depositional Integrity of Area 15 at the Gault Site - Utility of Geomagnetic Analysis and Diagnostic Notching Flakes  
318-f Bryan Heisinger and Anna Gilmer—FLUVIAL GRADIENT PROFILE AND SEDIMENTATION AT GAULT SITE, TEXAS  
318-g James Zimmer-Dauphinee, Nikos Papadopoulos, Michael Collins and Kenneth Kvamme—Archaeo-landscape Modeling through Electrical Resistivity Tomography: The Case of the Clovis Period Gault Site  
318-h Ashley Lemke—Converging Lines of Evidence: Clovis Diet at the Gault Site  
318-i Marilyn Shoberg—Microwear Analysis of Stone Tools from Clovis and Older-than-Clovis Cultural Occupations at the Gault Site  
318-j Tom Williams, Wilson Crook and Charles Speer—Chert Provenance Studies from the Gault Site (41BL323), Bell County, Texas  
318-k Jennifer Gandy—Defining Older-than-Clovis at the Gault Site through the Statistical Analysis of the Lithic Debitage  
318-l Wilson Crook, Michael Collins, Clark Wernecke, Robert Lassen and Sergio Ayala—Synopsis of the Prehistoric Occupations at the Gault Site (41BL323), Bell County, Texas  
318-m Michael Collins—Evidence for Older-than-Clovis Occupation at the Gault Site, Texas  
318-n Nancy Velchoff, Tom Williams, Robert Lassen and Jennifer Gandy—Lithic Technological Trends of Clovis and the Older-than-Clovis Components at the Gault Site, Bell County, Texas (41BL323)

**[319] GENERAL SESSION ■ MESOAMERICA**

**Room:** 18C (ACC)

**Time:** 8:00 AM - 10:00 AM

**Chair:** Jennifer Loughmiller-Cardinal

**Participants:**

- 8:00 Maria Ortiz Ruiz—Los hornos para cal en el área Maya: caracterización de una tecnología prehispánica  
8:15 Carrie Perkins—Chultunob of the Belize River Valley: Exploring Morphology, Function and Meaning

Sunday Morning, April 27

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- 8:30 Jennifer Loughmiller-Cardinal—Reconciling Function and Use – Reassessing the Role of Maya Ceramic Types through Empirical Analysis.
- 8:45 Jerald Ek and Carlos Pallán Gayol—Merchants, Migrants, Opportunists, and Invaders: The Aftermath of the Fall of the Kaan Hegemonic State in the Gulf Coast Periphery
- 9:00 Misha Miller-Sisson and Beniamino Volta—Changes in Sub-royal Elite Culture at the Maya Site of Uxul: Before and After the Incursion of the Kaan Polity
- 9:15 Bianca Gentil and Brandon Lewis—Struggles for Power: Identifying political change between large and periphery sites in the Eastern Petén
- 9:30 Stephanie Lozano—New Perspectives on Ancient Maya Trade: Educating the Public through the Museum's Collection
- 9:45 Elaine Schele—A Tale of Two Dates: A New Look at the Controversy over the Age of the Bones of K'inich Janab' Pakal I

**[320] GENERAL SESSION ■ ZOOARCHAEOLOGY**

**Room:** 10A (ACC)

**Time:** 8:00 AM - 10:00 AM

**Chair:** Kelly Eldridge

**Participants:**

- 8:00 Richard Edwards—An Examination of Canid Treatment at the Crescent Bay Hunt Club
- 8:15 Sarah Brown, Christyann Darwent and Ben Sacks—Ancient DNA Analysis of Paleoeskimo and Thule Dog Remains from the North American Arctic
- 8:30 Kelly Eldridge and Christyann Darwent—Subsistence Roles in a Late Western Thule Household: A Zooarchaeological Analysis at Cape Espenberg, Alaska
- 8:45 Lauren Willis and Jon Elrondson—A Reanalysis of Fish Bone from Daisy Cave (SMI-261), San Miguel Island, California: The Evidence for Butchery
- 9:00 Chrissina Burke and Gary Haynes—Carnivore Modification of Plains Bison Bonebeds: Explaining Variability Using the Scavenging Ecocenter Concept
- 9:15 Meredith Wismer-Lanoë—Subsistence Practices in the Tallgrass Prairie: A Re-analysis of the Rainbow Site (13PM91) Faunal Assemblage
- 9:30 Jodi Jacobson—Subsistence, Culture, and Environment: Faunal Analysis of the Fish Creek Slough Site (41DL436)
- 9:45 Thomas Wake—Formative Period Fisheries of Soconusco

**[321] GENERAL SESSION ■ POTTERY IN THE SOUTHWEST**

**Room:** 16B (ACC)

**Time:** 8:00 AM - 10:00 AM

**Chair:** Patrick Lyons

**Participants:**

- 8:00 Thomas Rocek—Hardware with no Software: The Rapid Late Adoption of Ceramics in the Highland Jornada Mogollon of Southeastern New Mexico.
- 8:15 Christopher Garraty—Exploring Production Sources and Technologies for Hohokam Brown-Paste Decorated Pottery in the Lower Salt River Valley: New Evidence from La Ciudad, Phoenix, Arizona
- 8:30 Lori Barkwill Love—From the Inside: Paste Variation in Mogollon-Mimbres Ceramics from Woodrow Ruin in the Upper Gila, New Mexico
- 8:45 David Abbott—Reconstructing the Prehistoric Social Organization of Central Arizona: Electron Microprobe Results from “Phyllite Land.”
- 9:00 David Doyel—Earlier than Expected: Specialized Pottery Production in the Southwestern United States
- 9:15 Brunella Santarelli, Sheila Goff and David Killick—New Technological Studies of Pueblo I Glaze Paint

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Sunday Morning, April 27

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- 9:30 Patrick Lyons—The D-Shaped Kiva at Point of Pines Pueblo, Arizona  
9:45 Jordan Jarrett, Caitlin Wichlacz and Andrew Duff—The Ceramic Dynamic: A Synthesis of Recent Research on Ceramic Production and Distribution at Three Chaco-era Great House Communities in the Southern Cibola Region of New Mexico

**[322] GENERAL SESSION ■ DIGITAL ARCHAEOLOGY**

**Room:** 11AB (ACC)

**Time:** 8:00 AM - 10:00 AM

**Chair:** Mary Malainey

**Participants:**

- 8:00 Adam Barnes, Katie Simon, Adam Wiewel and Vance Green—Photogrammetry or 3D scanning? Aerial photogrammetry or airborne lidar?  
8:15 Mary Malainey, James Skibo and Timothy Figol—Using Computer-Assisted Design and Information Sharing Technology to Enhance Our Study of Archaeological Vessels and the People Who Made Them  
8:30 Ryan Schuermann and Charles D. Trombold—Establishing 3D unit space from low-tech field data acquisition methods using post-processing in GIS: A case study of site MV-206 (La Quemada, Zacatecas, Mexico)  
8:45 Garth Norman and Jason Jones—Advanced 3D Imaging for Recovery of Weathered Stone Sculpture at Izapa, Mexico  
9:00 Colin Bean—Rebuilding the Past: 3D Printing in Archaeology  
9:15 Alyssa Haggard, Marisol Cortes-Rincon, Robert Gustas, Kyle Ports and Matthew Price—3D Virtual Curation of Archaeological Artifacts  
9:30 David Plaza—Digital Preservation Approaches for Legacy Archaeological Collections  
9:45 Rebekah Miracle and Freya Sadarangani—Something Old, Something New: Integrating Legacy Data and Preparing for the Open Access Future

**[323] GENERAL SESSION ■ CULTURE CONTACT IN THE NEW WORLD**

**Room:** 18A (ACC)

**Time:** 8:00 AM - 10:00 AM

**Chair:** Sarah Trabert

**Participants:**

- 8:00 Matthew Schmader—Slingstones and Arrows of Contact and Conflict: Coronado in the Rio Grande Valley, 1540-1542  
8:15 Ronald Towner—Watching for Roque: The Dendroarchaeology of La Jara Canyon, Dinetha  
8:30 Keith Little and Hunter Johnson—A French Outpost in the Mississippi Choctaw Homeland  
8:45 April Beisaw—Nationality as a Means of Understanding Native Identity After European Arrival: The Susquehannock Case  
9:00 Julianne Bernard—Lithic Acquisition, Production, and Political Landscapes: the Mission-Era Chumash Interior  
9:15 Sarah Trabert—Social Identity in Protohistory: A Case Study from the High Plains  
9:30 James Mooney, Todd Kristensen and Keary Walde—MAKING YOUR CASH GO A LONG WAY: FIVE CHINESE COINS IN THE SOUTHERN YUKON AND NORTHWESTERN BRITISH COLUMBIA  
9:45 Marianne Sallum and Plácido Cali—Tupi Pre-Colonial and Colonial Pottery: Changes and Continuity (Southern Coast of Sao Paulo State/Brazil)

**[324] GENERAL SESSION ■ GREAT BASIN ARCHAEOLOGY**

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Sunday Morning, April 27

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**Room:** 19B (ACC)

**Time:** 8:00 AM - 10:00 AM

**Chair:** A. Dudley Gardner

**Participants:**

- 8:00 Marion Coe—Materials and Technological Analysis of Perishable Artifacts from Bonneville Estates Rockshelter (26EK3682), Nevada
- 8:15 Joe Collins and Patrick O'Grady—Geoarchaeology at Rimrock Draw Rockshelter (35HA3855): A Progress report on Geologic Investigations at a Deeply Stratified Paleoamerican Site at the Northern Great Basin Periphery of Southeastern Oregon
- 8:30 Stephen LaValley—Middle and Late Archaic Obsidian Procurement and Land-Use Strategies in the Black Rock Desert and High Rock Country of Northwest Nevada
- 8:45 Clareanna Burns—To Quarry or Not to Quarry, That is the Question
- 9:00 Robert Nash—Cultural Transition Assessment in the Eastern Great Basin: An Analysis of Side-Notched Arrow Points
- 9:15 Joshua Keene—Technological and obsidian source analysis of lithic artifacts from Veratic Rockshelter (10CL3), southeastern Idaho.
- 9:30 Craig Smith—Hunter-Gatherer Resource Intensification: The Uinta Phase in Southwest Wyoming
- 9:45 A. Dudley Gardner and William Gardner—Food-way changes during the Formative Period in Northwestern Colorado

**[325] SYMPOSIUM ■ BACK FOR MORE: NEW INVESTIGATIONS AND PERSPECTIVES IN THE NORTH ATLANTIC**

**Room:** 15 (ACC)

**Time:** 8:00 AM - 10:15 AM

**Chair:** Christopher Wolff

**Participants:**

- 8:00 Jason Miszaniec, M.A.P Renouf, Frédéric Dussault, Trevor Bell and Christopher B. Wolff—Comparison of fuelwood use at two Dorset Palaeoeskimo sites in Newfoundland.
- 8:15 Christopher Wolff, Donald H. Holly, Jr., Taylor Testa and Marné Timon—Changing Times or Time for a Change?: Dorset Technological Practices at the Stock Cove Site, Newfoundland
- 8:30 Donald Holly and Paul Prince—Separate and Unequal: Amerindian and Paleoeskimo settlement and subsistence patterns on the island of Newfoundland
- 8:45 Chelseee Arbour and Anthony Jenkinson—Tshetshuk, Kamestastin: Interior/coastal connections in the Maritime Archaic period of Québec/Labrador.
- 9:00 David Craig—GoPro or Go Home: GIS Modelling and Experiential Ground Survey of Past Travel Routes in Saglek Bay, Labrador
- 9:15 Gitte Hansen and Øystein James Jansen—Soapstone vessels in Viking Age and Early Medieval Norway – Producers and Consumers
- 9:30 Kevin Smith—Den of Thieves or the Temple of Doom? The creation of mythic landscapes at Surtshellir Cave, Iceland
- 9:45 Knut Andreas Bergsvik and Haug Anne—From stone shelters to wooden s hielings: the use and abandonment of early medieval caves and rockshelters on the west coast of Norway
- 10:00 Questions and Answers

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Sunday Morning, April 27

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**[326] GENERAL SESSION ■ PUBLIC ARCHAEOLOGY****Room:** 18B (ACC)**Time:** 8:00 AM - 10:15 AM**Chair:** Lisa Hodgetts**Participants:**

- 8:00 Meredith Langlitz and Ben Thomas—Involving Local Communities in Archaeological Projects
- 8:15 Yolona Ngandali—Public Archaeology: Visualizing Wisconsin's Prehistory with Digital Media
- 8:30 Mini Sharma Ogle, Zach Windler and Celia Moret-Ferguson—Where oh where did you go?: The mystery of the missing Methodist Meeting House
- 8:45 Lisa Hodgetts, Colleen Haukaas and Laura Kelvin—From the Ground Up: Building a Community-Based archaeology of Banks Island, Arctic Canada
- 9:00 Susan Moorhead Mooney—Heritage and Culture Essential Skills (HACES) at Whitehorse Correctional Centre (WCC), Yukon Territory, Canada
- 9:15 Nicholas Laluk and Sarah Herr—Reconsidering Western Apache Problems and Approaches
- 9:30 Adriana Linares-Palma—Archaeology and the community: constructing bridges for knowledge of the past in Kaminaljuyu, Guatemala City
- 9:45 Terrance Hall and Ryan Collins—Creating a Space for Public Archaeology: Spatiality in Yaxuna Urban Centers
- 10:00 Maria Zeta Valladolid—Panquimla Archaeological Project: The importance of building partnerships with local communities as a way to foster social inclusion

**[327] GENERAL SESSION ■ MISSISSIPPIAN SOUTHEAST****Room:** 14 (ACC)**Time:** 8:00 AM - 10:15 AM**Chair:** Edmond Boudreux**Participants:**

- 8:00 Joel Lennen—Terminal Woodland-Early Mississippian Interface at the Jackson Lake Site
- 8:15 Russell Weisman—Solar Eclipses: Events Marking the Center of the Mississippian Landscape
- 8:30 Cameron Wesson and Ned Jenkins—Sacrifice, Symbolism, and the Sacred: Redefining Community and Mortuary Ritual at the Shine Site (1Mt6), Montgomery County, Alabama
- 8:45 Dru McGill—Big Pots for Big Shots Revisited: Mound and Village Pottery from the Mississippian Site of Angel Mounds
- 9:00 Edmond Boudreux and Daryl Armour—The Use of Public Space within the Mississippian Center at Town Creek, North Carolina
- 9:15 Scott Hammerstedt, Patrick Livingood, Jami Lockhart, Amanda Regnier and George Sabo—Initial Archaeological and Geophysical Results of the Spiro Landscape Archaeological Project
- 9:30 Joanne DeMaio—The Adair Site: Ouachita River Valley Relations Through Ceramic Analysis
- 9:45 Patti Wright and Julie Morrow—Plant Exploitation Strategies Used by the Mississippian Occupants of Northeastern Arkansas
- 10:00 Erin Phillips—Three Models for Social Contexts of the Production and Use of Moundville's Hemphill-Style Engraved Pottery

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Sunday Morning, April 27

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**[328] GENERAL SESSION ■ THE RECENT PAST**

**Room:** 17B (ACC)

**Time:** 8:00 AM - 10:15 AM

**Chair:** Carolyn White

**Participants:**

- 8:00 Michael Schiffer—The Archaeology of Science  
8:15 Ruth Musser-Lopez—"Western Aggregate Row Mound" Type Site  
8:30 Michael Gregory—Backyard Investigations along the Crabgrass Frontier: An Archaeological Exploration of Suburbia  
8:45 Carolyn White—The Archaeology of Burning Man  
9:00 Emily Dean and Brigit Eastepp—Looking for Traces of "Leave No Trace": Archaeological Investigations of the "Leave No Trace" Land Ethic in the Western United States  
9:15 William Caraher, Bret Weber and Richard Rothaus—The North Dakota Man Camp Project: The Archaeology of Workforce Housing in the Bakken Oil Patch of North Dakota  
9:30 April Kamp-Whittaker—Archaeology of Childhood and the Concept of Personhood  
9:45 Haeden Stewart, Cameron Gokee and Jason De Leon—Terror In the Desert  
10:00 Julie Woods—From Nichewaug to Petersham: Evolving Land Use and Cultural Landscapes in a New England Forest

**[329] SYMPOSIUM ■ TRADE AND CERAMICS IN THE URUK EXPANSION:  
RECENT INSIGHTS FROM ARCHAEOOMETRIC ANALYSES**

**Room:** 10B (ACC)

**Time:** 8:00 AM - 10:45 AM

**Chairs:** Geoff Emberling and Leah Minc

**Participants:**

- 8:00 Henry Wright—Production, Exchange, and Consumption in the Uruk World  
8:15 Leah Minc—Trace-Element Analyses of Near Eastern Ceramics: Overview and Introduction  
8:30 Geoff Emberling—Ceramics and Trade within Mesopotamia during the Uruk Expansion  
8:45 Holly Pittman—Glyptic Art in the Uruk Expansion: Measuring Interaction and Differentiation through Imagery  
9:00 Royal Ghazal—Finding the Signal in the Noise: Reevaluating Intra-Regional Compositional Variability of Uruk Period Ceramics from the Susiana Plain, Iran  
9:15 Hilary Gopnik and Clemens Reichel—The Godin VI Oval and Uruk's Sphere of Influence  
9:30 John Alden—People, Potters, or Pots: the Transmission of Stylistically Similar Ceramics in the Late Uruk  
9:45 Abbas Alizadeh, John Alden and Leah Minc—Testing the Evidence: A Follow-up Study of Late Uruk and Proto-Elamite Ceramics from Tal-e Geser, Iran  
10:00 Benjamin Mutin—Uruk presence at Tepe Yahya  
10:15 Mark Schwartz and David Hollander—Unpacking Uruk exchange networks: The use of functional, spatial, and bulk stable isotope analyses of bitumen artifacts from Hacinebi Tepe, Turkey in reconstructing broad economic patterns of the Uruk expansion  
10:30 Guillermo Algaze—Discussant

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Sunday Morning, April 27

**[330] SYMPOSIUM ■ THE VALUE OF THINGS: COMMODITIES IN THE MAYA REGION FROM PREHISTORIC TO CONTEMPORARY**

**Room:** 16A (ACC)

**Time:** 8:00 AM - 10:45 AM

**Chairs:** Thomas Guderjan and Jennifer Mathews

**Participants:**

- 8:00 Sheryl Luzzadde-Beach, Timothy Beach, Steven Bozarth, Thomas Guderjan and Samantha Krause—Wetland Agricultural Commodities in the Maya Lowlands  
8:15 Scott Fedick—Maya Cornucopia: Indigenous Food Plants of the Maya Lowlands as Commodities  
8:30 E. Cory Sills and Heather McKillop—Salt: Mover and Shaker in Ancient Maya Society  
8:45 Brigitte Kovacevich—The Value of Labor: How the Production Process Added Value to Pre-Columbian Maya Jade  
9:00 Eleanor Harrison-Buck, Serita Frey, Melissa Knorr and David Buck—Colonial Period Cultivation and Commodification of Cacao in the Maya Lowlands  
9:15 Allan Meyers—Pre-Revolutionary Henequen Landscapes of Northwestern Yucatan  
9:30 Jennifer Mathews and John Gust—Cosmopolitan Living? Examining the Sugar and Rum Industry of the Costa Escondida, Quintana Roo Mexico  
9:45 Briana Bianco, Rani Alexander and Gary Rayson—Beekeeping Practices in Modern and Ancient Yucatan: Going from the Known to the Unknown  
10:00 Mary Katherine Scott—The Tourist Commodity: The Value of Handicrafts in Yucatan's Puuc Region  
10:15 Richard Leventhal and Tiffany C. Cain—Land: A Symbol of Existence  
10:30 Thomas Guderjan—Discussant

**[331] SYMPOSIUM ■ APPLIED ARCHAEOLOGY IN THE GLOBAL SOUTH: ACTION, ASSESSMENT, AND THE DEMOCRATIZATION OF PRACTICES IN ARCHAEOLOGY**

**Room:** 9C (ACC)

**Time:** 8:00 AM - 10:45 AM

**Chair:** Angelina Howell

**Participants:**

- 8:00 Denise Schaan—Local knowledge, local voices: many ways for decolonizing archaeological practice in Amazonia  
8:15 Peter Schmidt and Benjamin Shegesha—Mutuality, Reciprocity, and Local Needs: Missing Spokes in the Collaborative Wheel?  
8:30 Helena Pinto Lima—Archaeology and Traditional Communities in Amazonia  
8:45 Renata Godoy—Archaeotourism in the Brazilian Amazon: how and why communities have been involved?  
9:00 Clarisse Jacques and Angelo Lima—Land recognition, identity and diverse understandings of materiality: archaeological practice in a “quilombola” community, Brazilian Amazon.  
9:15 Angelina Howell—Unknown Quantities: Critical Impacts of Science in Society  
9:30 Peter Schmidt—Discussant  
9:45 Alistair Paterson—Discussant  
10:00 Christopher Morehart—Discussant  
10:15 Hilary Soderland—Discussant  
10:30 Mick Morrison—Discussant

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Sunday Morning, April 27

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**[332] GENERAL SESSION ■ MEDITERRANEAN**

**Room:** 8C (ACC)

**Time:** 8:00 AM - 10:30 AM

**Chair:** Michael Lane

**Participants:**

- 8:00 Alan Simmons—A View from the Top: Ais Giorkis, an Early Cypriot Neolithic Village in the Uplands
- 8:15 Levi Keach—Stone Blades and Social Space: Describing and Interpreting Two Stone Blade Caches at Neolithic Ais Giorkis, Cyprus
- 8:30 Katelyn DiBenedetto—Ais Giorkis: The Last Refuge for Cattle on Cyprus?
- 8:45 Daniel Pullen, William Parkinson, Anastasia Papathanasiou, Panagiotis Karkanas and Michael Galaty—Alepotrypa Cave and its Regional Context in the Late and Final Neolithic Aegean
- 9:00 Michael Lane and Alexandra Charami—AROURA: Reconstructing an Extensive Agricultural Landscape around the Late Bronze Age Fortress of Glas, Central Mainland Greece
- 9:15 Katherine Harrington—Privacy, Performance, and Production: Sensory Aspects of Domestic Production and Household Industry in Classical and Hellenistic Greece
- 9:30 William Gilstrap, Noémi S. Müller, Elina Kardamaki, Christina Marabea and Peter M. Day—Consumer Reports: a comparative study of cooking pottery from Late Bronze Age Greece
- 9:45 Eleni Hasaki—Potters' Skills and Secrets: The Potter's Wheel in Ancient Greece
- 10:00 Alexander Smith, Amalia Pérez-Juez, Ricardo Elia, Paul Goldberg and Meredith Anderson Langlitz—Survey on Hospital Island: Results from the 2013 Field Season on Isla del Rey, Menorca
- 10:15 Victoria Moses—Interpreting Ritual Practice through Zooarchaeology at Sant'Omobono, Rome

**[333] SYMPOSIUM ■ INTEGRATION AND DISINTEGRATION: THE ROLE OF PUBLIC ARCHITECTURE IN THE PREHISPANIC AMERICAN SOUTHWEST**

**Room:** 19A (ACC)

**Time:** 8:00 AM - 11:00 AM

**Chair:** Susan Ryan

**Participants:**

- 8:00 Susan Ryan—Kiva Production and Community Integration in the Northern Southwest
- 8:15 Carrie Heitman—Layered with Meaning: Mediating Social Integration through Architecture in Chaco Canyon
- 8:30 Christine Ward, Mark Mitchell and Catherine Cameron—The Role of the Bluff Great Kiva in Temporal Perspective: From Integration to Dissolution of Chaco-era Communities
- 8:45 Shanna Diederichs and Scott G. Ortman—The Invention of Community in the Mesa Verde region
- 9:00 Grant Coffey and Kristin Kuckelman—Public Architecture of the Goodman Point Community, Southwestern Colorado, A.D. 1000 to 1280
- 9:15 Kari Schleher, Jamie Merewether, Cherise Bunn and Megan Smith—Material Culture of Public and Private Spaces in the Mesa Verde Region

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Sunday Morning, April 27

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- 9:30 Samuel Duwe—Summer and Winter People: The Development of Tewa Pueblo Moieties  
9:45 William Walker—When is a Kiva a Social Actor?  
10:00 Myles Miller and Roger Anyon—Burning, Ritual, and Communal Architecture Transformation as Markers of Social Change  
10:15 Katherine Dungan and Matthew Peeples—Geography, Geometry, and Religious Transformation: Great Kivas and Social Change along the Southern Colorado Plateau and Mogollon Highlands  
10:30 Ruth Van Dyke—Discussant  
10:45 Severin Fowles—Discussant

**[334] SYMPOSIUM ■ RARE, INTRIGUING, AND POORLY UNDERSTOOD: INCISED STONES FROM THE WESTERN UNITED STATES**

**Room:** Ballroom G (ACC)

**Time:** 8:00 AM - 11:15 AM

**Chair:** Bonnie Pitblado

**Participants:**

- 8:00 Patricia Christmas and Clark Werneke—Recognition of Paleoindian Mobiliary Art: Examples and Experiments from the Gault Site, Bell County, Texas  
8:15 Danny Walker—Incised Stone Artifacts from Wyoming  
8:30 Mark Plew and Jan Kee—Incised Stones from Idaho  
8:45 Randy Ottenhoff—Incised Stones of the Great Basin: Associations and the Archaeology of Context  
9:00 Dayna Giambastiani and Andrea Catacora—A Comparative Study of Incised Stones from Eastern, Central, and Southern Nevada  
9:15 Amanda Landon, Heidi Roberts and Christopher Harper—Incised Stones at Post-Puebloan Period Sites in Southern Nevada  
9:30 Dena Sedar—Seeing red: An analysis of ocher treated incised stones found within the Great Basin.  
9:45 Diana Azevedo and Elizabeth Sutton—Incised Stones from Utah's West Desert  
10:00 Tim Riley—Incised Stones and Unsecured Localities: Authenticating Private Collections  
10:15 William Ankele and Bonnie L. Pitblado—Incised Stones from the Chance Gulch Site, Gunnison County, Southwest Colorado  
10:30 Mona Charles—Yours or Mine? Bone Gaming Pieces From the American Southwest  
10:45 David Whitley—Discussant  
11:00 Polly Schaafsma—Discussant

**[335] SYMPOSIUM ■ MULTI-SCALAR APPROACHES TO ARCHAEOLOGICAL INTERPRETATION**

**Room:** 9B (ACC)

**Time:** 8:00 AM - 11:30 AM

**Chair:** W. James Stemp

**Participants:**

- 8:00 Danielle Macdonald—Micro-topographies and Human Action: Interpreting Behaviour through Surface Traces  
8:15 Alastair Key, Ignacio de la Torre and W. James Stemp—Is Loading a Significantly Influential Factor in the Development of Lithic Microwear? An Experimental Test Using LSCM  
8:30 Adam Watson, Matthew Gleason and Christopher A. Brown —Exploring Chaco Canyon's Invisible Industry: An Experimental Approach to the Study of Bone Tool

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Sunday Morning, April 27

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- 8:45 Use-Wear and Perishable Craft Production Patterns at Pueblo Bonito  
Adrian Evans, Thomas Sparrow, Andrew Holland, Andrew Wilson and Randolph Donahue—3D Scanning at Small Scales: Implications for Improving Traditional Techniques in Artifact Analysis
- 9:00 W. James Stemp and Michael Stemp—3D Imaging Technology and Multi-scalar Analysis of Stone Tools: Morphology, Reduction, and Use-wear
- 9:15 Edward Banning and Isaac Ullah—In Small Things Miscounted: Problems, Solutions and Opportunities of Scale in Microrefuse Analysis
- 9:30 Gabriel Wrobel—Understanding the Multi-Scalar Complexity in Archaeological Skeletal Collections and Its Implications for Analysis
- 9:45 Sonja Schwake, Andrew Snetsinger and Gyles Iannone—A Regional Analysis of Ancient Maya Mortuary Practices from the North Vaca Plateau, West-central Belize
- 10:00 Mikael Haller—Archaeological Interpretation and the Use of Different Scales of Analysis from the Rio Parita Valley, Panama
- 10:15 Scott Macrae, Pete Demarte and Gyles Iannone—Changes in Scale and Survey in the Maya Subarea
- 10:30 Kelin Flanagan and Clifford T. Brown—The Topology of Archaeological Site Distributions: Lacunarity and Fractal Dimension.
- 10:45 Katie Simon and Kelcy Sagstetter—Prospecting Epigraphical Landscapes: The Use of Traditional Geospatial-scale Tools in Analysis of Sub-millimeter Resolution 3D Data
- 11:00 Clifford Brown—Discussant
- 11:15 Adrian Evans—Discussant

**[336] SYMPOSIUM ■ LEARNING FROM DESTRUCTION: PATTERNS OF DECAY, PRODUCTION TECHNIQUES, AND EVIDENCE FOR USE OF FIBER ARTIFACTS**

(Sponsored by Fiber Perishables Interest Group)

**Room:** 18D (ACC)

**Time:** 8:00 AM - 11:30 AM

**Chair:** Ann Peters

**Participants:**

- 8:00 Katrina Worley—The interpretation of carbonized textile fragments from partial cremations in California
- 8:15 Nancy Odegaard, Marilen Pool, Gina Watkinson, Crista Pack and Mike Jacobs—Woven Wonders: Research Options Through Advances in Conservation Examination and Imagery
- 8:30 Fiorella Fenoglio and Juan Carlos Saint Charles—Restos de textiles en un contexto de ritual de abandono. El caso de El Rosario, Querétaro.
- 8:45 Oliva R. Segura, Mahinda Martínez and Luis Hernández-Sandoval —Microscopía electrónica de barrido para la identificación de textiles arqueológicos: el caso de El Rosario, Querétaro
- 9:00 Anne Hayward—The Textiles of El Gigante, Honduras.
- 9:15 Questions and Answers
- 9:30 Lauren Urana, Edward A. Jolie and Thomas F. Lynch—Discriminating Warp- and Weft-faced Plainweave Textiles without Edges: A Guitarrero Cave Test Case
- 9:45 Ann Peters, Carmen Carranza and Andrés Shiguekawa—Evidence for production practices, artifact arrangements and postmortem rites at the Paracas Necropolis based on patterns of fiber deterioration
- 10:00 Marie Gravalos and Rebecca Bria—Conceptualizing Communities of Weavers and Group Identity Through the Analysis of Fragmented Andean Textiles

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Sunday Morning, April 27

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- 10:15 Anastasiya Travina, Anastasiya Travina and Daniel Woodie—Fibers, Statistics, and Communication: an Exploration of Structural Patterns and Numerical Properties of the Inka Khipu
- 10:30 Michele Smith—Mineralized Textiles from Viking burials from Iceland, AD874-1000.
- 10:45 Rebecca Sager—Hair Today, Gone Tomorrow: The Degradation and Conservation of Archaeological Hair Fibers
- 11:00 Lena Bjerregaard—The diversity of environments preserving non-excavated textiles in South America and in Europe.
- 11:15 Ann Peters—Discussant

**[337] SYMPOSIUM ■ THE USE OF LIDAR IN MESOAMERICAN ARCHAEOLOGY: NEW APPROACHES TO SETTLEMENT AND RESEARCH**

**Room:** Ballroom E (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chairs:** Christopher Fisher and Arlen Chase

**Participants:**

- 8:00 Ramesh Shrestha and William Carter—Airborne LiDAR: Optimizing the Technique for Archaeological Research in Mesoamerica
- 8:15 Juan Fernandez Diaz, Michael Sartori, Abhinav Singhania, William Carter and Ramesh Shrestha—Airborne mapping LiDAR data collection and processing for archaeological research
- 8:30 John Weishampel and Jessica Hightower—Modeling Environmental Effects of Maya Legacies from LiDAR-Derived Topography
- 8:45 Devin White—Archaeological Applications of LiDAR
- 9:00 Christopher Fisher, Stephen Leisz, Juan-Carlos Fernández-Díaz and William Carter—New perspectives on Mosquitia prehistory using Lidar
- 9:15 Stephen Leisz, Christopher Fisher, Florencia Pezzutti and Juan-Carlos Fernandez-Diaz—Moving beyond traditional full coverage survey: LiDAR at Angamuco, Michoacán, Mexico
- 9:30 Guadalupe Zetina-Gutiérrez, Patricia Castillo-Peña and Krassimir Iankov—Archaeological Research Site-based in LiDAR in El Tajín, Ver., México
- 9:45 Timothy Hare, Marilyn Masson and Bradley Russell—The Mayapan LiDAR Mapping Project
- 10:00 Keith Pruger and Amy Thompson—Evaluating Airborne LiDAR for Detecting Settlements and Modified Landscapes in Disturbed Environments at Uxbenka, Belize
- 10:15 Anabel Ford and Keith Clarke—Using Cutting-edge LiDAR at El Pilar Belize-Guatemala ~ There is still a need for Archaeologists!
- 10:30 Caroline Antonelli and Robert Rosenswig—Lidar and Settlement Survey of Izapa, Mexico
- 10:45 Adrian Chase, John Weishampel and Diane Chase—Water Capture and Agricultural Terracing at Caracol, Belize as revealed through the 2009 LiDAR Campaign
- 11:00 Arlen Chase, Diane Chase, Jaime Awe, John Weishampel and Gyles Iannone—Large-Scale Maya Regional Settlement and Inter-Site Analysis: Results from the 2013 West-Central Belize LiDAR Survey
- 11:15 Damian Evans and Roland Fletcher—Applications of LiDAR at Angkor and beyond: Towards a comparative study of urbanism in tropical forest environments
- 11:30 Devin White—Discussant
- 11:45 Ramesh Shrestha—Discussant

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Sunday Morning, April 27

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**[338] SYMPOSIUM ■ INDIGENOUS PEOPLE AND FOREIGN THINGS:  
ARCHAEOLOGIES OF CONSUMPTION IN THE AMERICAS**

(Sponsored by American Anthropology Association Archaeology Division)

**Room:** 17A (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chair:** Craig Cipolla

**Participants:**

- 8:00 Craig Cipolla and Kevin McBride—Introduction: Globalizing the Local and Localizing the Global at Mashantucket  
8:15 Stephen Silliman—When the Foreign Becomes the Familiar: Consumption Practices on Native American Reservations in New England  
8:30 Patricia Rubertone—Archaeologies of Native Production and Marketing in 19th Century New England  
8:45 Diana Loren—Christian symbols in Native lives: Medals and crucifixes in French colonial Louisiana  
9:00 Kathleen Bragdon—Our Strange Garments: Trade Coats and Diplomacy in Seventeenth Century New England  
9:15 Charles Cobb—Feasting and Cosmic Debt  
9:30 Lewis Borck and Barbara Mills—So If All Your Friends Jumped Off a Cliff [Polychrome], You Would Jump Too? – Modeling Precolonial Participation and Resistance to the Salado Social Movement  
9:45 Maxine Oland—"With the Gifts and Good Treatment That He Gave Them": Elite Maya Adoption of Spanish Material Culture at Progresso Lagoon, Belize  
10:00 Christopher Shephard and Martin Gallivan—Powhatan Sovereignty and Consumer Politics in the Algonquian Chesapeake  
10:15 Lee Panich—Diachronic Trends in Bead Consumption at Mission Santa Clara de Asis  
10:30 Matt Liebmann—Catachresis and Catechesis in the Pueblo Missions of 17th Century New Mexico  
10:45 John Creese—Indigenous 'Economies of Affect' in the Northeast Woodlands  
11:00 Meghan Howey—Sympathetic magic in indigenous consumer choice during early contact in the Northeast and Great Lakes  
11:15 Matthew Beaudoin—Creating 'Archaeological Imaginaries' of Consumption: Colonial Legacies within Archaeological Meaning Making  
11:30 Paul Mullins—Discussant  
11:45 Rosemary Joyce—Discussant

**[339] SYMPOSIUM ■ REASSESSING THE AZTATLÁN WORLD: CULTURAL DYNAMICS IN POSTCLASSIC NORTHWEST MESOAMERICA (AD 900-1450)**

**Room:** 12AB (ACC)

**Time:** 8:00 AM - 12:00 PM

**Chairs:** Michael Mathiowetz and John Pohl

**Participants:**

- 8:00 John Pohl—Chicomoztoc as an Inter-Regional Exchange Zone  
8:15 Laura Solar-Valverde—Coast-to-Coast: Evidence for Azatlán's Macro-Regional Interaction  
8:30 Peter Jimenez—Azatlán: Inroads on its Encroachment  
8:45 Paul Liffman—Wixarika Territoriality and the Production of History  
9:00 Philip Coyle—Politics of the Plaza: Conceptual Metaphors of Legitimacy among the Náyari and other Central Uto-Aztecan Peoples  
9:15 Michael Mathiowetz—The Origin of Mitote Ceremonialism in Postclassic West Mexico

Sunday Morning, April 27

- 9:30 Mauricio Garduño Ambriz—San Felipe Aztatlán: New Data on Iconography of the Aztatlán Culture (AD 850/900-1350 AD) of the Northwestern Lowlands of Nayarit  
 9:45 Daniel Pierce—Obsidian Source Frequencies as a Social Attribute at San Felipe Aztatlán, Nayarit, Mexico  
 10:00 Lourdes Gonzalez and José Carlos Beltrán—Nuevas Evidencias de Prácticas Funerarias en Nayarit durante el Postclásico  
 10:15 Cinthya Vidal—Pottery-making Practices, Cosmology, and Interaction of Social Agents: the Chalchihuantes-Aztatlán Connection Revisited  
 10:30 Susana Ramirez-Urrea De Swartz—Social Organization in the Aztatlán Tradition (850-1350 AD): The Sayula and Chapala Basins (Jalisco), a Case Study  
 10:45 Jose Luis Punzo—Moving North: Metallurgy in West and Northwest Mesoamerica during the Postclassic (AD 900-1450)  
 11:00 Alfonso Grave—No Todo lo que Reluce es la Cerámica Aztatlán: Arqueología del Sur de Sinaloa  
 11:15 John Carpenter and Guadalupe Sanchez—Interaction and Integration on the Northern Aztatlán Frontier in Sinaloa  
 11:30 Cristina García-Moreno—Cultural Interactions in Ónava Valley, Sonora, México  
 11:45 David Wilcox—Discussant

**[340] GENERAL SESSION ■ MIDWEST U.S.****Room:** 13AB (ACC)**Time:** 10:00 AM - 11:45 AM**Chair:** Jennifer Picard**Participants:**

- 10:00 James Enloe, Brendan O'Keefe, Tyler Buck and Rose McCarty—Lithic raw material source identification at Woodpecker Cave, Iowas  
 10:15 G. Logan Miller—Variation in the Organization of Ritually Motivated Production at Ohio Hopewell Earthworks  
 10:30 Douglas Charles—Middle Woodland Things and Hopewellian Things  
 10:45 Aaron Comstock and Robert Cook—Site Location and the Transition to Maize Agriculture: A Middle Ohio Valley Example  
 11:00 David Pollack and Gwynn Henderson—Fort Ancient Ritual Poles  
 11:15 Taylor Thornton—Extra-moundbuilding Activities in the Floodplain: A Zooarchaeological Perspective from the Mound House Site (11GE7)  
 11:30 Jennifer Picard—A Diachronic Analysis of Floral Remains at Aztalan, a Multicomponent Late Prehistoric Site in Jefferson County, Wisconsin

**[341] GENERAL SESSION ■ PEOPLE AND ENVIRONMENTS IN MESOAMERICA****Room:** 9A (ACC)**Time:** 10:00 AM - 12:00 PM**Chair:** Raymond Mueller**Participants:**

- 10:00 Jeff Bryant—Soil is Social: Investigating Maya Soil Dynamics and Social Stratification during Climate Change with X-Ray Florescence Spectrometry (XRF).  
 10:15 Raymond Mueller, Jason Cesta, Matthew Severs, Arthur Joyce and Michelle Goman—Further Research on Floodplain Evolution Associated with the Site of Rio Viejo, Lower Rio Verde, Oaxaca, Mexico  
 10:30 Christopher Merriman, Keith Prufer and Megan Walsh—Climatic and Anthropogenic causes of erosion at Uxbenká, Belize  
 10:45 Lindsay Duncan—Waste and the environment: Long-term environmental signatures at a coastal Maya site, Marco Gonzalez  
 11:00 Mutsumi Izeki—Sociocultural resilience to natural disasters: a case study of the

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Sunday Morning, April 27

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- Aztec 1506 drought  
11:15 Rachel Egan and Pascale Meehan—El Temblor Grande. The Ethnohistoric Record as a Means to Understand Past Disasters: A Reassessment of the AD 1567/1568 Jalisco Event
- Chelsea Fisher—"The Poorness of the Soil Takes Away Hope": Resolving Ethnohistoric and Archaeological Evidence for Food Security in the Northern Maya Lowlands  
11:30
- Michael Saunders—ARCHAEOLOGY, LONG-TERM ENVIRONMENTAL MANAGEMENT, AND THE PRESENT-DAY MAYA: ETHNOGRAPHIC INSIGHTS INTO ARCHAEOLOGICAL AND ECOLOGICAL ISSUES  
11:45

**[342] GENERAL SESSION ■ LATER PREHISTORY IN NORTHEASTERN NORTH AMERICA**

**Room:** 8B (ACC)

**Time:** 10:15 AM - 11:30 AM

**Chair:** Amy Fox

**Participants:**

- 10:15 William Engelbrecht—A Point Refit Study of an Iroquoian Village  
10:30 David Smith—Singing Pots: Symmetry as Cultural Expression in Huron-Wendat Ceramics from South-central Ontario  
10:45 Allison Byrnes, Allen Quinn and David Pedler—A Spatial Analysis of Surface Artifacts from the Ripley Site, An Iroquoian Manifestation on Lake Erie  
11:00 Jack Rossen—Revisiting Myers Farm: The 2013 Excavations at a 15th Century Cayuga Farmstead, Central New York  
11:15 Amy Fox—The Versatile Triangle: Exploring intra-type variability of projectile points using geometric morphometrics

**[343] GENERAL SESSION ■ NORTHERN AND WESTERN GREAT PLAINS**

**Room:** 8A (ACC)

**Time:** 10:15 AM - 11:45 PM

**Chair:** Timothy Schilling

**Participants:**

- 10:15 Laura Longstaff and Robert Lee Sappington—The Kelly Forks Work Center Site, North Central Idaho: 12,000 Years of Occupation at the Interface between the Columbia Plateau and the Northwestern Plains  
10:30 Brigid Grund and Stephen Williams—Viable Soil Microorganism Trophic Group Composition and Density: Useful for Paleoclimatic Reconstruction and Relative Dating?  
10:45 Kevin Gilmore, Sean Larmore, Clive Briggs, Jonathan Hedland and Jenny Engleman-Rhodes—Re-examination of an Ancient Game Drive Using Modern Technology : A GIS Analysis of the Flattop Mountain (5LR6) Site, Rocky Mountain National Park, Colorado  
11:00 Timothy Schilling, Anne Vawser and Albert LeBeau—Buffalo Jumping in the Black Hills  
11:15 Lance Evans—Geophysical Exploration of Timber Structures at the Cluny Fortified Village  
11:30 Christopher Brosman and Chris Finley—The Lost Tipi Poles of Bighorn Canyon: The Use and Abandonment of Structural Materials along the Bad Pass Trail in Southern Montana.

**[344] GENERAL SESSION ■ NORTHERN SOUTHWEST**

**Room:** 16B (ACC)

Sunday Morning, April 27

**Time:** 10:15 AM - 12:00 PM

**Chair:** Brian Harmon

**Participants:**

- 10:15 Erik Simpson—Identity and Ethnogenesis in the American Southwest  
10:30 Lauren OBrien—A New Look at the Communities of the Developmental Period in the Taos Valley  
10:45 Brian Harmon—Don't Be Deceived by Small Pueblo Room Blocks  
11:00 Wirt Wills and Wetherbee Dorshow—Deforestation and the Chaco Economy  
11:15 Nicholas Damp—Zuni Chacoan Communities: The Archaeology of Village of the Great Kivas  
11:30 Erin Baxter—Through Morris' Eyes—Historic Images from Aztec West, GIS, and Re-thinking Aztec Ruins  
11:45 Kristin Kuckelman—A Room with a View: New Data on Uses of Multistory Structures in Late Pueblo III Villages of the Northern San Juan

## SAA Awards, Scholarships, & 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 within it three themes presented on a cyclical basis: (1) an Unrestricted or general Category; (2) Lithic Analysis; and (3) Ceramic Analysis.

2001	George L. Cowgill	2005	T.J. (Tony) Wilkinson
2002	Robin Torrence	2006	Susan Toby Evans
2003	Carol Kramer (posthumous)		Kelley Hays-Gilpin
	Hector Neff		Peter Bellwood
2004	David Lewis-Williams		James E. Bruseth &
2005	George H. Odell		Toni S. Turner
2006	Michael Brian Schiffer		Kristian Kristiansen &
2007	Robert L. Bettinger		Thomas B. Larsson
2008	William Andrefsky, Jr.		Bradley T. Lepper
2009	Judith Habicht-Mauche	2008	Tom Dillehay
2010	Timothy A. Kohler		James W. Bradley
2011	Steven Shackley	2009	Lothar Von
2012	James Skibo		Falkenhausen
2013	Gayle Fritz		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

### 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 & 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

### 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 Lumbrales Salcedo

### AWARD FOR EXCELLENCE IN CERAMIC STUDIES

Initiated in 1994 to recognize excellence by an archaeologist whose innovative Research or repeated & 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	1996	William R. Hildebrandt
1987	Leonard W. Blake	1997	James J. Miller
1988	Julian Dodge Hayden	1998	David A. Frederickson
1989	J. B. Sollberger	1999	David G. Anderson
1990	Ben C. McCary	2000	Robert Jackson
1991	James Pendergast	2002	Laurence W. Spanne
1992	Stuart W. Conner	2003	John Milner Associates & The General Services Administration
1993	Mary Elizabeth Good	2004	Linda Mayo
1994	Leland W. Patterson	2005	Arizona Site Steward Program
1995	Jeff Carskadden	2007	George Smith
1996	James H. Word	2008	John Walther
1997	Sidney Merrick Wheeler (posthumous) & Georgia Nancy Wheeler Felts	2009	Mike Beckes
1998	Reca Jones	2010	William H. Doelle
1999	Gene L. Titmus	2011	Nelly Robles Garcia
2000	Richard P. Mason	2013	Henry D. Wallace
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		

**AWARD FOR EXCELLENCE IN CULTURAL RESOURCE MANAGEMENT**

Established in 1994 to recognize lifetime contributions & special achievements by an archaeologist in one of three areas: program administration & management, site preservation, & research. Each year the award is given in one area on a rotating basis.

1994	Hester A. Davis	2003	Wesley Bernardini (Arizona State Univ.)
1995	Lawrence E. Aten	2004	Ian G. Robertson (Arizona State Univ.)
	Calvin R. Cummings		
	Shereen Lerner		
1995	Charles R. McGimsey III	2005	Severin M. Fowles

**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.

2006	(University of Michigan) Elisabeth Hildebrand (Washington University)
2007	Matthew Liebmann (University of Pennsylvania)
2008	Kevin D. Fisher (University of Toronto)
2009	Timothy C. Messner
2010	Sarah Clayton (Arizona State University)
2011	Scott G. Ortman (Arizona State University)
2012	Christopher Morehart (Northwestern University)
2013	Amanda Logan (University of Michigan)

**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 Struver
1996	Robert McCormick Adams
1997	Dena Dincauze
1998	Raymond H. Thompson
1999	James A. Brown
2000	William D. Lipe

**FRYSELL AWARD FOR INTERDISCIPLINARY RESEARCH**

Initiated in 1977 to specially recognize interdisciplinary excellence by a distinguished

scientist, who need not be an archaeologist but whose research has contributed significantly to American archaeology. Each year the award is based on practice in one of five disciplines: earth sciences, physical sciences, general interdisciplinary studies, zoological sciences, and botanical sciences. The award, which consists of a citation and a medallion, was named in memory of Roald Fryxell, whose career exemplified so well the crucial role of interdisciplinary cooperation in archaeology.

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

**DOUGLAS C. KELLOGG FUND FOR GEOARCHAEOLOGICAL RESEARCH**

Under the auspices of the Society for American Archaeology's Geoarchaeology Interest Group, family, friends and close associates of Douglas C. Kellogg formed a memorial fund in his honor. The fund will provide support of

thesis or dissertation research, with emphasis on the field and/or laboratory parts of this research, for graduate students in the earth sciences and archaeology.

2003	Aleksander Borejsza
2005	Ian Buvitt
2006	Heidi Luchsinger
2007	Katherine A. Adelsberger
2008	Kurt Rademaker
2009	Benjamin R. Vining
2011	Teresa Wriston
2012	Joe D. Collins, JR.
2013	Craig Fertelmes

#### 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

#### DIENJE KENYON MEMORIAL FELLOWSHIP

The Dienje Kenyon 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

**Award For Excellence in Lithic Studies**  
Established in 1994 to recognize excellence by an archaeologist whose innovative research or repeated & enduring contributions have contributed significantly to archaeology. (Succeeded in 2001 by the Award for Excellence in Archaeological Analysis)

1994	John Witthoft (posthumous)
1995	Harry J. Shafer
1996	Lawrence Keeley
1998	Jay K. Johnson
1999	Kenneth Hirth
2000	Barbara E. Luedtke
	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 Dzidasek
	Desiree Martinez
	Blair First Rider
2002	Deona Naboa
	Natalie Ball
	Tracy Pierre
2003	Michael Garcia
	Gordon C. Moore
	Carley Kaleo Veary
	Scott T. Kikilo'i
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
	Tracey Pierre

	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

**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. Naleimaiile
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

**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

**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

**FRED PLOG MEMORIAL FELLOWSHIP**

The Fred Plog Memorial Fellowship is named for a major archaeologist in Southwest research who also was an inspiring teacher.

1999	Sarah Herr
2001	Deborah Huntley
2005	Greg Schachner
2007	Michael Mathiowetz
	Todd Pitezel
2008	Deanna Grimstead
2009	Samuel Duwe
2010	Matthew Peebles
2011	William Reitze
2012	Joshua Watts
2013	Katherine Dungan

**POSTER AWARD**

Presented to promote interest and acceptance of the poster in the dissemination of archaeological research, to increase the quality of Poster presentations, and to acknowledge the very best accomplishments in this valuable medium. The award, initiated at the 58th Annual Meeting in 1993, is given in two categories: student and professional/ non-student. As of 2008, only the student category continued. The professional category was sunsetted.

1993	Cynthia Herhahn (student) Virginia Butler & James Chatters (Professional)
1994	Alanah J. Woody (Student) George R. Miller & James S. Oliver (Professional)
	Dennis E. Lewarch & Laura S. Phillips (organizers, outstanding Poster Symposium)
1995	Tim Hunt, Mark Madsen & Carl Lipo (Student) Brenda J. Baker & Maria A. Liston (Professional)
1996	Clinton C. Hoffman (Student)

	Adam King (Student)		individuals who have provided extraordinary services to the Society & the profession in the past year. Awardees are determined by the president of the society, in consultation with members of the Board.
1997	Stephen H. Lekson (Professional) Anastasia Steffen, Rita Moots Skinner, & Ann F. Ramenofsky (Student) Judith A. Habicht, Mauche, A. Russell Flegal, Stephen Glenn, & Horner Milford (Professional)	1990	Jerome A. Miller Nathalie F. S. Woodbury
1998	Lisa Nagaoka (Student) Shannon P. McPherron & Harold L. Dibble (Professional)	1991	Lynne Goldstein Rachael Hamilton Keith Kintigh Earl Lubensky
1999	Diana Greenlee, Robert C. Dunnell, Terry Hunt, and Michael Pfeffer (Student) Neal H. Lopinot & Jack H. Ray Professional	1992	Loretta Neumann Kathleen Reinburg David Hurst Thomas Mark Leone Jeremy A. Sabloff
2000	Diana M. Greenlee (Student) Fraser D. Neiman (Professional)	1993	Jerald Milanich Daniel G. Roberts Bruce D. Smith
2001	Jonathan Scholnick, Derek Wheeler, & Fraser Neiman (Student) Jeffrey Homburg, Eric Brevic, Jeffrey Altschul, Anthony Orme & Steven Shelly (Professional)	1994	Vincas P. Steponaitis David S. Brose Edward Friedman R. Bruce McMillan eresita Majewski William H. Marquardt Dan F. Morse
2003	Stacey Chambliss (Student)		J. Daniel Rogers Katharina J. Schreiber Dean Snow
2004	Diana M. Greenlee (Professional) Andrew Isaac, Mark Muldoon, Keri Brown & Terry Brown (Overall) Sara Bon-Harper, Jennifer Aultman, Nick Bon-Harper &Derek Wheeler (Professional)	1995	Vincas P. Steponaitis Paul Takac Mark Aldenderfer
2005	Stacy Lengyel (Student) Ethan Cochrane, Julie Field & Diana Greenlee (Student)		Roger Anyon Robert Drennan Diane Gifford-Gonzalez
2005	James Feathers, Jack Johnson & Silvia Kembel (Professional)		Lynne Goldstein
2006	Ruth Dickau (Student)		Keith Kintigh
2006	Robert Hard, Cynthis Muñez & Anne Katzenberg (Professional)		Mark J. Lynott
2007	Jeffrey Ferguson, Jelmer E. Eerkens & Michael Glascock (Professional)		Phyllis Messenger, KC Smith
2007	Bridget Zavala & Jose Luis Punzo Diaz (Student)		Cathy MacDonald Paul Minnis
2008	Brandi Lee MacDonald, R.G.V. Hancock, Alison Pidruczny & Aubrey Cannon (Student)	1996	Bruce E. Rippeteau Alison Wylie Melinda A. Zeder
2009	Susan M. Mentzer (Student)		Brian Fagan Paul Fish
2010	Metin I. Eren, Adam Durant & Christina Neudorf (Student)		Suzanne K. Fish Jonathan Lizee
2011	Alexander Smith & Danielle Raad (Student)		Toni Moore Carol Shull George Stuart
2013	G. Logan Miller (Student)	1997	Mark Aldenderfer David Anderson Roger Anyon T. J. Ferguson

**PRESIDENTIAL RECOGNITION AWARD**

Instituted in 1990 to permit SAA to recognize

	Keith Kintigh Florence Lister Donna Seifert Joe Watkins	Bruce Smith Fundraising Committee: William Doelle Susan Bender
1998	Stephen Dyson for Archaeology Magazine Ed Friedman Janet Levy William Lovis	Cathy Cameron John E. Kelly Paul Minnis Linda Pierce
1999	Caryn Berg Susan J. Bender Judith A. Bense Jon S. Czaplicki Gary Feinman Linda Manzanilla Tristine Lee Smart George S. Smith Joe Watkins	Bruce Rippeteau Martha Rolingson Ken Sassaman Susan B. Bruning Paul Minnis Jonathan Muller Barbara M. Arroyo Tomas Enrique-Mendizabal Archibald Christopher D. Dore Daniel H. Sandweiss Susan Kane Cori Wegener Tim Melancon Serena Bellew
2000	Lynne Goldstein James A. Goold Kurt E. Dongoske	2011
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 Johnna Hutira John Chamblee Fred Wendorf Stuart Struever Doug Schwartz	
2004	Garth Bawden Julie Hollowell-Zimmer Chip Colwell-Chanthaphonh Erin Kuns	1997 Brian Fagan 1998 Jan Coleman-Knight 1999 Crow Canyon Archaeological Ctr 2000 George Stuart 2001 George Brauer 2002 AnthroNotes 2003 Jeanne Moe 2004 Patricia Wheat-Stranahan 2005 Office of Archaeological Studies at the Museum of New Mexico 2006 Richard M. Pettigrew 2007 The 5th St. Cemetery Necrogeographical Study 2008 Texas Beyond History Website 2009 Center for American Archaeology 2010 Project Archaeology 2012 Education Outreach Program of the Office of Archaeological Studies
2005	MATRIX Project	
2006	SAA National Historic Landmarks Committee	
2007	PEC Web Pages Working Group John Kantner	
2008	Alex Barker Nelly Robles Garcia Daniel H. Sandweiss	
2009	Phillip L. Walker	
2010	75th Anniversary Task Force: Jeremy Sabloff James Snead Wendy Ashmore David Browman Don Fowler Lisa Lecount Linda Manzanilla	

**AWARD FOR EXCELLENCE IN PUBLIC EDUCATION**

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

1997	Brian Fagan
1998	Jan Coleman-Knight
1999	Crow Canyon Archaeological Ctr
2000	George Stuart
2001	George Brauer
2002	AnthroNotes
2003	Jeanne Moe
2004	Patricia Wheat-Stranahan
2005	Office of Archaeological Studies at the Museum of New Mexico
2006	Richard M. Pettigrew
2007	The 5th St. Cemetery Necrogeographical Study
2008	Texas Beyond History Website
2009	Center for American Archaeology
2010	Project Archaeology
2012	Education Outreach Program of the Office of Archaeological Studies

**PUBLIC SERVICE AWARD**

Begin in 1983 to recognize the important contributions of a public figure to the protection & 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. Matsanaga Rep. Donald J. Pease	1999	(Seattle Times) William Mullen (Chicago Tribune)
1984	Sen. James A. McClure	2000	Frank Roylance (Baltimore Sun)
1985	Speaker James C. Wright Jr.	2001	Mike Toner (The Atlanta Journal-Constitution)
1986	Secretary of the Interior Donald P. Hodel	2002	Chip Minty (The Daily Oklahoman)
1987	Rep. John F. Seiberling	2004	Alexandra Witze (Dallas Morning News)
1988	Rep. Charles E. Bennett	2005	Marion Lloyd (Chronicle of Higher Education)
1989	Sen. Peter V. Domenici	2006	Andrew Petkofsky
1990	Rep. Morris K. Udall	2007	Richard L. Hill
1991	Secretary of the Interior Manuel Lujan Jr.	2008	Tom Avril (Philadelphia Enquirer)
1992	The Archaeological Conservancy	2009	Andrew Lawler (Science Magazine)
1993	Constance Werner Ramirez	2010	Andrea Cooper (freelance)
1994	James Beck Deborah Daniels Jeffrey Kent Larry Mackey Scott Newman	2011	Dan Vergano (USA Today)
1995	Grand Canyon Trust	2012	Mike Toner (American Archaeology)
1996	Rep. Bill Richardson	2013	Julian Smith
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, The Archaeological Conservancy, Wilderness East & The Ross County Parks Department		

#### GENE S. STUART AWARD

Initiated in 1994 to enhance public understanding of archaeology & 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 & managing editor of National Geographic Society books who devoted her career to the presentation & interpretation of archaeology in a number of award-winning popular books.

1994	Scott LaFee (San Diego Union-Tribune)
1995	Nathan Seppa (Wisconsin State Journal)
1996	Matt Crenson (Dallas Morning News)
1997	(no award)
1998	Diedtra Henderson

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(Seattle Times)  
William Mullen  
(Chicago Tribune)  
Frank Roylance  
(Baltimore Sun)  
Mike Toner  
(The Atlanta Journal-Constitution)  
Chip Minty  
(The Daily Oklahoman)  
Alexandra Witze  
(Dallas Morning News)  
Marion Lloyd  
(Chronicle of Higher Education)  
Andrew Petkofsky  
Richard L. Hill  
Tom Avril  
(Philadelphia Enquirer)  
Andrew Lawler  
(Science Magazine)  
Andrea Cooper  
(freelance)  
Dan Vergano  
(USA Today)  
Mike Toner  
(American Archaeology)  
Julian Smith

#### STUDENT PAPER AWARD

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

The awardees have been:

2000	Nathan S. Lowrey (with Thomas C. Pleger)
2002	Christopher Morehart
2003	Devin Alan White
2004	Briana L. Pobiner & David R. Braun
2005	Elizabeth Horton & Christina B. ieth
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

#### 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

#### 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

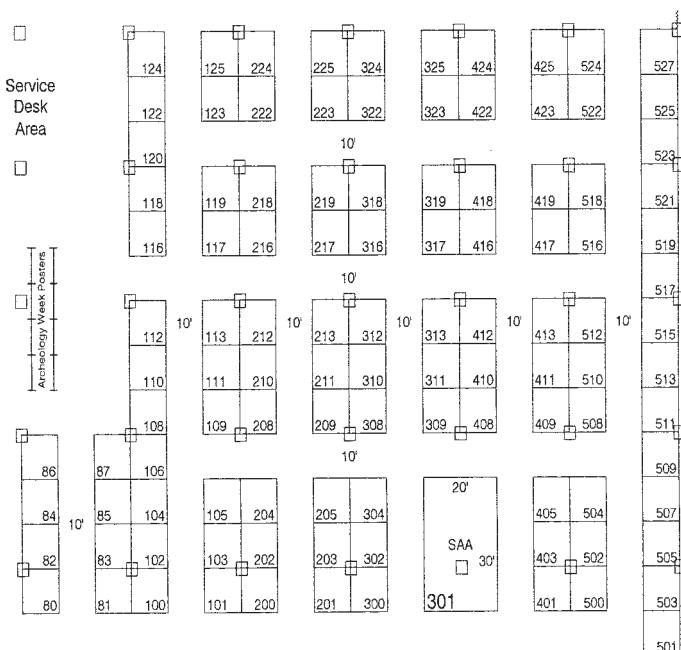
Richard S. MacNeish	1971-1972
Charles C. Di Peso	1972-1973
Douglas W. Schwartz	1973-1974
Charles R. McGimsey III	1974-1975
Stuart Struever	1975-1976
Raymond H. Thompson	1976-1977
Cynthia Irwin-Williams	1977-1979
Fred Wendorf	1979-1981
Richard E. W. Adams	1981-1983
George C. Frison	1983-1985
Don Fowler	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

#### ANNUAL MEETING SITES

1st	Andover, MA December 1935
2nd	Washington, D.C. December 1936
3rd	Milwaukee, WI May 1938
4th	Ann Arbor, Mi. May 1939
5th	Indianapolis, IN April 1940
6th	Minneapolis, MN May 1941
7th	Cincinnati, OH May 1942
8th	(Because of travel difficulties & other wartime restrictions, the 1943 Annual Meeting was conducted by mail by the Executive Committee, whose actions were approved at the next Annual Meeting.)
9th	Washington, D.C. May 1944
10th	Washington, D.C. May 1945
11th	Indianapolis, IN May 1946
12th	Ann Arbor, MI May 1947
13th	Milwaukee, WI May 1948
14th	Bloomington, IN May 1949
15th	Norman, OK May 1950
16th	Evanston, IL May 1951
17th	Columbus, OH May 1952
18th	Urbana, IL May 1953
19th	Albany, NY May 1954
20th	Bloomington, IN May 1955
21st	Lincoln, NE May 1956
22nd	Madison, WI May 1957

23rd	Norman, OK May 1958	78th	Honolulu, HI April 2013
24th	Salt Lake City, UT May 1959	79th	Austin, TX April 2013
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		
34th	Milwaukee, WI May 1969		
35th	Mexico City, Mexico May 1970		
36th	Norman, OK May 1971		
37th	Bal Harbour, FL May 1972		
38th	San Francisco, CA May 1973		
39th	Washington, D.C. May 1974		
40th	Dallas, TX May 1975		
41st	St. Louis, MO May 1976		
42nd	New Orleans, LA April 1977		
43rd	Tucson, AZ May 1978		
44th	Vancouver, Canada April 1979		
45th	Philadelphia, PA May 1980		
46th	San Diego, CA April-May 1981		
47th	Minneapolis, MN April 1982		
48th	Pittsburgh, PA April 1983		
49th	Portland, OR April 1984		
50th	Denver, CO May 1985		
51st	New Orleans, LA April 1986		
52nd	Toronto May 1987		
53rd	Phoenix, AZ April 1988		
54th	Atlanta, GA April 1989		
55th	Las Vegas, NV April 1990		
56th	New Orleans, LA April 1991		
57th	Pittsburgh, PA April 1992		
58th	St. Louis, MO April 1993		
59th	Anaheim, CA April 1994		
60th	Minneapolis, MN May 1995		
61st	New Orleans, LA April 1996		
62nd	Nashville, TN April 1997		
63rd	Seattle, WA March 1998		
64th	Chicago, IL March 1999		
65th	Philadelphia, PA April 2000		
66th	New Orleans, LA April 2001		
67th	Denver, CO March 2002		
68th	Milwaukee, WI April 2003		
69th	Montreal, QC Mar-Apr 2004		
70th	Salt Lake City, UT Mar-Apr 2005		
71st	San Juan, PR April 2006		
72nd	Austin, TX April 2007		
73rd	Vancouver, BC March 2008		
74th	Atlanta, GA April 2009		
75th	St. Louis, MO April 2010		
76th	Sacramento, CA Mar-Apr 2011		
77th	Memphis, TN April 2012		

## ACC Convention Center



## Exhibitor Directory

**Accurex Dimensional Measurement****225 S. Chester Road****Suite 1B****Swarthmore PA 19081-1919****#419**

Accurex provides high-precision 3D White light scanning systems built by Breuckmann. These products can be used to create digital models of artifacts for archival purposes or to collect data for dimensional analysis. Scan data can be preserved in color with full detail including scribe marks or engravings.

**Advanced Geosciences, Inc.****2121 Geoscience Dr.****Austin TX 78726****#117**

Advanced Geosciences is manufacturer of the SuperSting with WiFi® resistivity/IP/SP system and SuperSting Manager Android App enabling brilliant color presentations of the survey in real time. Other products from AGI are the PowerSting high power external transmitter and Earthimager software.

**AltaMira Press****4501 Forbes Blvd.****Suite 200****Lanham MD 20706****USA****#113**

AltaMira Press, an imprint of Rowman & Littlefield, disseminates high-quality information to those who research, study, practice, and read in the humanities and social sciences with a focus on helping the professional development of those working in the cultural life of a community-the museum, historical society, arts center, and church.

**AMEC Environment & Infrastructure****201 S. Capitol Ave.****Ste. 200****Indianapolis IN 46225-1057****#200**

AMEC Environment & Infrastructure is a leading environmental firm providing a full range of cultural resources and heritage management services. AMEC has more than 230 office locations with over 120 archaeologists across North America and

the world offering an impressive array of services and specialists.

**American Anthropological Association****2200 Wilson Blvd****Ste 600****Arlington VA 22201-3397****#225**

The Archaeology Division of the American Anthropological Association advances the study of archaeology as an aspect of anthropology, provides a forum to discuss issues central to archaeology and fosters publication and communication of archaeological research results and interpretations. Members receive American Anthropologist and Archaeological Papers of the American Anthropological Association (AP3A).

**American Cultural Resources Association (ACRA)****5024-R Campbell Road****Baltimore MD 21236-5943****#423**

Established in 1995, ACRA is the U.S. trade association supporting and promoting the common interests of cultural resource management (CRM) firms of all sizes, types, and specialties. ACRA aims to help member firms thrive by excelling at what they do and to make ACRA membership a recognized standard of quality.

**American Rock Art Research Association****201 W. Solomon****Midland TX 79705-3032****#422**

American Rock Art Research Association is a diverse community of members with interests dedicated to rock art preservation, research, and education to communicate the significance of rock art as a non-renewable resource of enduring cultural value and an important expression of our shared cultural heritage. Visit [www.arara.org](http://www.arara.org).

**Ancient Society Books****3100 West Adams Road****Attn: Lawrence A. Conrad****Macomb IL 61455-7751****#324**

Offering a broad selection of new and used books and used journals in all traditional fields of anthropology with emphasis on New World archaeology, ethnology, and ethnohistory. Books purchased, want lists served. All profits are donated to archaeological research and preservation.

#### **Antiquity**

##### **Department of Archaeology**

Durham University

Durham DH1 3LE

United Kingdom

#413

Antiquity is a peer-reviewed journal of archaeological research that aims to communicate the most significant new discoveries, theory, method and cultural resource issues rapidly and in plain language to practicing archaeologists everywhere.

#### **Archaeological Institute of America**

656 Beacon Street

Boston MA 02215-2072

#216

The Archaeological Institute of America, founded in 1879, is 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.

#### **Archaeopress**

POB 920

Oxford OX2 7YH

UK

#418

Archaeopress is the Oxford-based publisher of BAR (British Archaeological Reports) and other scholarly archaeological titles and journals.

#### **ArcheoLINK - Americas**

228 East 45th Street, 9E

New York NY 10017

USA

#509

With the archaeological information system ArcheoLINK project data, field data, finds

data, specialist data, storage data, photos, field and object drawings, measurements and cartographic data can be stored, managed, queried and analysed for one or more archaeological projects. ArcheoLINK also offers several hardware options such as barcode registration and communicating scales.

#### **ArcTron 3D Engineering Services for 3D Surveying & Software Development**

Ringstrasse 8

Altenthal 93177

Germany

#82

Services for archaeology and cultural heritage include 3D laserscanning, airborne laserscanning (with aircraft, UL trike, and micro drones), high resolution scanning, multimedia and film productions, software development for archaeology and 3D-documentation software, 3D surveying hardware sales, services and training, museum and exhibition services, model building (CNC, rapid prototyping), archaeological services.

#### **Arqueología Mexicana/Editorial Raices**

Rodolfo Grono 86

Col. Lomas De Sotelo

Mexico DF 11200

Mexico

#80

Edit, printing, distribution and sale of magazine: Archaeología Mexicana and Relatos E Historias En Mexico.

#### **Beta Analytic**

4985 SW 74th Court

Miami FL 33155-4471

#300

ISO 17025-accredited Beta Analytic is a dedicated radiocarbon dating laboratory with standard turnaround time of 14 business days for its AMS dating service. Expedited services are available (2-6 business days). All analyses are performed in-house by dedicated professional scientists. No analyses are subcontracted. Multiple laboratories in Miami, Florida, ensure redundancy and dependable delivery. Respected worldwide for accuracy, quality, and customer care. Results are accessible 24/7 via web access.

**BigC: Dino-Lite Scopes  
20655 S. Western Ave.  
Torrance CA 90501-1800**

**#316**

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**Bournemouth University  
Fern Barrow, Poole  
Dorset BH12 5BB  
United Kingdom  
#513**

Bournemouth University has an international reputation in archaeological practice including forensic archaeology and anthropology, maritime and osteoarchaeology. Located within easy travelling distance of Britain's most iconic archaeological sites, such as Stonehenge, we have a strong focus on practical skills through fieldwork, our excellent laboratory facilities and our reference collections. Our courses are aimed at giving you both practical and professional skills with a strong focus on employability.

**Bruker Elemental  
415 N. Quay Street  
Kennewick WA 99336-7783  
#302 & 304  
Handheld XRF**

**CAIS, University of Georgia  
120 Riverbend Road  
Athens GA 30602-1510  
#309**

The Center for Applied Isotope Studies at the University of Georgia conducts precise AMS and LSC radiocarbon dating with the highest level of precision and accuracy and conducts stable isotope analyses for paleoenvironmental and paleodietary studies. Professional staff performs all work with standard turnaround times of three weeks.

**Cambridge University Press  
32 Avenue of the Americas  
New York NY 10013-2473  
#211 & 213**

Cambridge's publishing in archaeology

books and journals combines state-of-the-art content with the highest standards of scholarship, writing and production. Visit our booth to browse new titles, available at a 20% discount, and to pick up sample issues of our journals. Visit our website to see everything we do: [www.cambridge.org/us/](http://www.cambridge.org/us/).

**Center for Advanced Spatial Technologies - University of Arkansas  
JBHT 304 - 1 University of Arkansas  
Fayetteville AR 72701  
United States  
#120**

SPARC is an NSF-funded program at CAST-AIL dedicated to promoting geo-spatial research in archaeology. SPARC offers direct support to archaeological projects through awards in fieldwork, data and analytics, and publication. Contact us about Awards, to connect with collaborators or to develop projects in partnership with SPARC. <http://sparc.cast.uark.edu/>

**Center for Digital Archaeology, UC Berkeley  
Dept. Anthropology #3710  
University of California Berkeley  
Berkeley CA 94720  
#417**

The Center for Digital Archaeology is a non-profit organization to assist archaeologists and cultural-heritage managers create, archive, and disseminate their resources, data, and information in digital, mobile, and other formats.

**Construction Safety Products  
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Shreveport LA 71106-6565  
USA  
#116**

We offer a full line of archaeological field supplies at competitive prices. Our products include, but are not limited to, trowels, handpicks, artifact recovery screens, photographic scales, and soil charts. To view our full range of products visit [www.archaeologycsp.com](http://archaeologycsp.com) or call 1-800-592-6940 to request a catalogue or CD.

**Cotsen Institute of Archaeology At UCLA**  
**308 Charles E. Young Dr. N**  
**A210 Fowler Building, Box 951510**  
**Los Angeles CA 90095-1510**  
**#101 & 103**

The Cotsen Institute of Archaeology at UCLA is a premier research organization dedicated to the creation, dissemination, and conservation of archaeological knowledge and heritage. CIOA is also home to the Interdepartmental Archaeology Program, the UCLA/Getty Program in Archaeological and Ethnographic Conservation, and the Cotsen Institute of Archaeology Press.

**Council of Affiliated Societies (CoAS)**  
**Society for American Archaeology**  
**1111 14th St. NW, Suite 800**  
**Washington DC 20005**  
**#124**

Want to see what your local archaeology society is up to? At the Council of Affiliated Societies (CoAS) Booth, pick up literature about the activities of societies across the US and Canada. CoAS sponsors the Annual Archaeology Month Poster Contest too. Cast your ballot for your favorite by Friday noon.

**David Brown Book Company**  
**PO Box 511**  
**28 Main Street**  
**Oakville CT 06779-0511**  
**#319 & 317 & 416**

The David Brown Book Company is the North American Office of Oxbow Books. We are North America's leading publisher and distributor of scholarly and specialist publications in Archaeology, Prehistory, the Ancient and Medieval worlds, Egyptology, Religion, Literature, Art, and much more.

**Digital Antiquity**  
**SHESC - Arizona State University**  
**Tempe AZ 85287**  
**#511**

Digital Antiquity is a non-profit organization devoted to enhancing preservation of and access to irreplaceable archaeological knowledge. Digital Antiquity supports research, cultural resource management, education, and public outreach through tDAR (the D

**DirectAMS**  
**550 17th Ave**  
**Suite 550**  
**Seattle WA 98122**  
**#412**

Welcome to DirectAMS, the radiocarbon dating unit of Accium BioSciences. Please visit us at [www.directAMS.net](http://www.directAMS.net).

**Elsevier B.V.**  
**Radarweg 29**  
**Amsterdam 1043NX**  
**Netherlands**  
**#119**

Elsevier publishes a range of archaeology journals including Journal of Archaeological Science, Journal of Anthropological Archaeology and International Journal of Paleopathology. Visit our website for more information about our journals--[www.elsevier.com](http://www.elsevier.com).

**Esher Enterprises Corporation**  
**P.O. Box 13068**  
**Hayward WI 54843**  
**USA**  
**#123**

Utilizing iOS and Android devices, our field application was designed from the ground up by CRM archaeologists for CRM archaeologists. Record every facet of a typical archaeological site using the easy, intuitive, user-friendly interface, reducing the processing of site forms and office costs by up to 80%.

**European Association of Archaeologists**  
**Letenska 4**  
**Praha 1 11801**  
**Czech Republic**  
**#425**

The EAA offers membership to all archaeologists and anthropologists. It has a range of activities including an annual conference, a journal (*The European Journal of Archaeology*), and a biannual newsletter.

**Exploration Instruments**  
**2600 Longhorn Blvd. Suite 108**  
**Austin TX 78758-7672**  
**#218**

Exploration Instruments rents geophysical equipment for the investigation of the sub-surface. Over 80 different types of instruments are available including EM, Mag, Resistivity, and GPR. We support projects world-wide. Complete inventory and pricing may be found at [www.expins.com](http://www.expins.com).

**Florida Public Archaeology Network****207 E Main Street****Pensacola FL 32502-6034****#109**

The Florida Public Archaeology Network is dedicated to the protection of cultural resources, both on land and underwater, and to involving the public in the study of their past. Regional centers around Florida serve as clearinghouses for information, institutions for learning and training, and headquarters for public participation in archaeology.

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## Index

- Abbott, David [321]  
Abbott, Nichole [189]  
Abell, Natalie [5]  
Abraham, Shinu Anna [35]  
Acevedo, Agustín [104]  
Ackerly, Neal [71]  
Acosta, Guillermo [118]  
Acuna, Oscar [57]  
Acuña, Mary Jane [61], [128]  
Adair, Mary [220]  
Adam, Kate [230]  
Adams, E [7]  
Adams, Elizabeth [247]  
Adams, Jacob [10]  
Adams, Matthew [65]  
Adán, Leonor [27]  
Adcock, Sarah E. [205]  
Adovasio, James [69], [114]  
Adovasio, JM [69]  
Ævarsson, Uggí [29]  
Agarwal, Sabrina [103]  
Agbe-Davies, Anna [296]  
Agostini, Mark [172]  
Agostini, Silvano [180]  
Aguilar, Ana Cristina [93]  
Aguilar, Manuel [253]  
Aicha, Bachir Bacha [146]  
Aikens, C. Melvin [148]  
Aimers, James [302]  
Aimers, Jim [123]  
Aitchison, Kenneth [100]  
Aiuvavalasit, Michael [91], [237]  
Ajithprasad, P. [124]  
Akins, Nancy [18], [247]  
Akkermans, Peter [201]  
Akköprü, Ebru [249]  
Akoshima, Kaoru [217]  
Al Nahar, Maysoon [71], [236]  
Alaica, Aleksa [219]  
Aland, Amanda [121]  
Alarcón Zamora, Gerardo [197]  
Albert, Peter [13]  
Albert, Rosa-Maria [39]  
Alberti, Benjamin [159]  
Alcántara, Cuauhtemoc [293]  
Alcaraz, Ana Paula [6]  
Alconini, Sonia [104], [121]  
Aldeias, Vera [116]  
Alden, John [329]  
Aldenderfer, Mark [1], [23]  
Alexander, Rani [72], [330]  
Algaze, Guillermo [329]  
Alhambra, Dominique [77]  
Aliphat, Mario [191]  
Alizadeh, Abbas [329]  
Alizadeh, Karim [92]  
Alleen-Willems, Russell [258]  
Allen, Kathleen [172]  
Allentuck, Adam [236]  
Allison, James [262]  
al-Nahar, Maysoon [236]  
Al-Nahar, Maysoon [236]  
Alonzi, Elise [106]  
Alt, Susan [110]  
Altawee, Mark [257]  
Altschul, Jeffrey [1]  
Alva Meneses, Ignacio [219]  
Alvarado Viñas, Luis [25]  
Álvarez, María [6]  
Álvarez, Myrian [118]  
Alvitre, Cindi [142]  
Amador, Fabio [197]  
Amador, Fabio Esteban [33]  
Amador, Julio [248]  
Ambrose, Stanley [40]  
Ambrose, Stanley H. [124]  
Ambruster, Carol [141]  
Ambrústolo, Pablo [69]  
Ames, Christine [77]  
Ames, Christopher [223]  
Ames, Kenneth [1], [30], [173], [290], [315]  
Amick, Daniel [69]  
Ancona Aragón, Iliana [305]  
Anderson, Cheryl [28]  
Anderson, David [36], [288]  
Anderson, David G. [81], [151]  
Anderson, David S. [31]  
Anderson, Derek [126], [232], [315]  
Anderson, J. Heath [140], [275]  
Anderson, Jennifer [318]  
Anderson, Kirk [18]  
Anderson, Lysanna [158]  
Anderson, Meredith [287]  
Anderson, Patricia [22]  
Anderson, Richard [208]  
Anderson, Timothy [157]  
Anderson Langlitz, Meredith [332]  
Andolina, Darren [316]  
Andrade, Agustín [238]  
Andrefsky, Jr., William [208]  
Andrew, Holly [152]  
Andrews, Anthony [72]  
Andrews, Bradford [160]  
Andrews, Brian [24]  
Andrews, E. Wylls [190]  
Andrieu, Chloé [253]  
Andrus, Fred [219], [286]  
Angelbeck, Bill [160]  
Ankele, William [334]  
Anne, Haug [325]  
Anscheutz, Kurt [289]  
Antonelli, Caroline [140], [337]  
Antoniou, Anna [173], [230]  
Antonites, Alexander [4]  
Antonites, Annemari [40]  
Anyon, Roger [32], [66], [333]  
Anzellini, Armando [105]  
Aoyama, Kazuo [158]  
Aporta, Claudio [73]  
Aquino, Valorie [201]  
Aragon, Leslie [43]  
Arakawa, Fumiyasu [42], [289]  
Araujo, Astolfo [69]  
Arav, Reuma [65]  
Arbour, Chelsee [325]  
Arbuckle, Benjamin [162]  
Arbuckle, Benjamin S. [205]  
Archer, Jorge [293]  
Arcuri, Marcia [219]  
Ardelean, Ciprian [69]  
Ardren, Traci [143], [194]  
Arendt, Beatrix [232]  
Argueta, Juan [293]  
Arias, Veronica [268]  
Arjona, Jamie [213]  
Arksey, Marieka [277]  
Arkush, Elizabeth [150]  
Armit, Ian [145]  
Armitage, Ruth Ann [156]  
Armour, Daryl [327]  
Arnauld, Charlotte [21], [60]  
Arneborg, Jette [29]  
Arnold, Dean [281]  
Arnold, Elizabeth [124], [208]  
Arnold, Shannon [317]  
Arnold III, Philip J. [62]  
Aronsen, Gary [270]  
Arroyo, Adrian [255]  
Arroyo, Barbara [120], [279]  
Arroyo, Bárbara [197]  
Arsenault, Daniel [248]  
Arterberry, Jimmy [95]  
Artz, Joe Alan [241]  
Ascough, Philippa [89]

- Asencios Lindo, Gerbert [146]  
Ashkenazi, Jacob [127]  
Ashley, Keith [213]  
Ashley, Michael [244]  
Ashley, Sarah [208]  
Ashmore, Wendy [296]  
Asmerom, Yemane [201]  
Astruc, Laurence [249]  
Atac, Mehmet-Ali [162]  
Atan, Beno [152]  
Atherton, Heather [168]  
Atici, A. Levent [286]  
Atici, Levent [84]  
Atwater, Chloe [316]  
Atwood, Kirsten [4]  
Aubert, Deanna [234]  
Audette, Christopher [68]  
Ausel, Erica [266]  
Austin, Anne [65]  
Aviam, Mordechai [127]  
Avila, Jairo [174]  
Avner, Uzi [65]  
Awe, Jaime [21], [31], [252], [302], [337]  
Awe, Jaime J. [137]  
Ayala, Sergio [280], [318]  
Aydin, Z. Nahide [210]  
Azevedo, Diana [334]  
Babutsi, Mosarwa [58]  
Baca Marroquin, Ancira Emily [121]  
Bader, Alyssa [103]  
Badilla-Cambronero, Adrián [197]  
Badillo, Alex [293]  
Baez\_molgado, Socorro [143]  
Bagwell, Elizabeth [144]  
Bailey, David [10], [175]  
Bailey, David G. [175]  
Bailey, Ralph [101]  
Baires, Sarah [266]  
Baitzel, Sarah [203]  
Baker, Joe [304]  
Baker, Larry [68]  
Baker, Suzanne [153]  
Balanzario, Sandra [61]  
Balasse, Marie [40]  
Balcarcel, AnaBeatriz [61]  
Balco, William [89]  
Baldwin, Anne [87]  
Balée, William [75]  
Balen, Jacqueline [300]  
Balkan-Atli, Nur [249]  
Ball, Dave [136]  
Ballenger, Jesse [24], [210]  
Ballenger, Jesse A. M. [210]  
Ballenger, Jesse A.M. [210]  
Baltus, Melissa [205]  
Balzotti, Chris [252], [295], [305]  
Balzotti, Christopher [305]  
Bamforth, Douglas [246]  
Banks, Kimball [88], [239]  
Banner, Jay [280]  
Banning, Edward [84], [335]  
Barber, Michael [152]  
Barber, Sarah [8], [83], [191]  
Barberena, Ramiro [287]  
Bardolph, Dana [59], [245]  
Barker, Alex [55]  
Barker, Claire [11]  
Barker, Heather [240]  
Barket, Theresa [84]  
Barkwill Love, Lori [321]  
Barnard, Hans [11], [25], [203]  
Barnes, Adam [322]  
Barnes, Jodi [30], [76]  
Barnett, Kristen [175], [290]  
Barnett, Kristen D. [193]  
Bar-Oz, Guy [65]  
Barrett, Jason [14]  
Barrientos, Gustavo [104]  
Barrier, Casey [157]  
Barrios, Edy [161], [191]  
Barron, John [158]  
Barry, Jack [137]  
Barse, William [129], [308]  
Bartelink, Eric [242], [306]  
Barton, C. Michael [13], [71], [229]  
Barton, Loukas [23]  
Bar-Yosef, Ofer [201]  
Basdeo, Tricia [208]  
Basell, Laura [17]  
Basgall, Mark [244]  
Basham, Matt [199]  
Basiran, Alper [299]  
Bateman, Mark [109]  
Bates, Brian [80]  
Bates, Lennon [156]  
Bates, Lynsey [232]  
Batur Alpuche, Adolfo Ivan [57]  
Batziou, Anthi [102]  
Bauer, Alexander [243], [296]  
Bauer, Andrew [124]  
Bauer, Jeremy [31]  
Bauer-Clapp, Heidi [274]  
Baumann, Timothy [111], [266]  
Baustian, Kathryn [28], [32], [67]  
Baxter, Erin [185], [212], [344]  
Beach, Timothy [17], [123], [158], [330]  
Beahm, Emily [251]  
Bean, Colin [322]  
Beanlands, Sara [157]  
Béarez, Philippe [245]  
Beaudoin, Matthew [338]  
Beaver, Joseph [76]  
Beck, Colleen [230]  
Beck, Jess [28], [230]  
Beck, Robin [276]  
Becker, Kenneth [45]  
Becker, Marshall [191]  
Becker, Sara [64]  
Bedelian, Vahan [228]  
Bedford, David [87]  
Beekman, Christopher [189]  
Begley, Christopher [190]  
Beisaw, April [323]  
Bejko, Lorenc [89]  
Belardi, Juan [206]  
Belardi, Juan Bautista [104]  
Bell, Colleen [165]  
Bell, Ellen [128], [161]  
Bell, Trevor [325]  
Bellantoni, Nicholas [270]  
Belletti, Jacqueline [243]  
Bello, Charles [50]  
Bellorado, Benjamin [202]  
Bellot-Gurlet, Ludovic [249]  
Beltrán, José Carlos [339]  
Bement, Leland [280]  
Benavides Castillo, Antonio [195]  
Benden, Danielle [68]  
Bender, Shilo [10]  
Benedetti, Michael [102], [278]  
Benedetti, Mike [299]  
Benefield, Paul [280]  
Benfer, Adam [153]  
Benfer, Bob [250]  
Bengtson, Jennifer [306]  
Benjamin, Jeff [122]  
Bennallack, Kathleen [127]  
Bennett, Stacey [267]  
Benson, Larry [248]  
Bentley, R. Alexander [193]  
Berdan, Frances [253]  
Beresford-Jones, David [264]  
Berger, Elizabeth [102]  
Bergstrom, Michael [23]  
Bergsvik, Knut Andreas [325]  
Berkhout, Frans [75]

- Berman, Mary Jane [250], [269]  
Bernard, Julianne [323]  
Bernatchez, Jocelyn [42], [141]  
Bernd, Schoene [201]  
Bernemann, Amanda [206]  
Berquist, Stephen [107]  
Berrey, Charles [139]  
Bertolino, Silvana Raquel Alina [19]  
Bestel, Sheahan [170]  
Bethard, Jonathan [241]  
Bethke, Brandi [159]  
Bettinger, Robert [23], [284], [316]  
Bettison, Cynthia [68]  
Bevan, Andrew [36]  
Bey, George [31], [275]  
Beyer, Renate [233]  
Bhattacharya, Tripti [158]  
Bianco, Briana [330]  
Bicho, Nuno [116], [201]  
Bies, Michael [248]  
Bigman, Daniel [13], [196]  
Bill, Cassandra [128], [161], [191]  
Billman, Brian [59], [104], [198], [245]  
Billo, Evelyn [156]  
Binetti, Katie [209]  
Binning, Jeanne [287]  
Birch, Dylan [293]  
Birch, Jennifer [34], [145], [263]  
Bird, Douglas [16]  
Bird, M. [155]  
Birmingham, Bob [82]  
Bishop, Andrew [132]  
Bishop, Katelyn [42], [140]  
Bishop, Ron [123]  
Bishop, Ronald [128], [147]  
Bishop, Ronald L. [128]  
Biskowski, Martin [63]  
Bisset, Thad [81]  
Bisson, Michael [228]  
Bjerregaard, Lena [336]  
Black, Kandy [46]  
Black, Rachel [155]  
Black, Stephen [199]  
Black, Steve [316]  
Black, Valda [93]  
Blackmore, Chelsea [119]  
Blair, Elliot [243]  
Blake, Elizabeth [122]  
Blakeslee, Donald [208]  
Blanton, Dennis [276]  
Blecha, Erika [78]  
Bleed, Peter [71], [82]  
Blegen, Nick [26]  
Bliege Bird, Rebecca [16]  
Blinman, Eric [156]  
Blitz, John [281]  
Blom, Deborah [25], [64], [203]  
Blomster, Jeffrey [83]  
Blong, John [23]  
Bloszies, Christopher [186]  
Boaretto, Elisabetta [84]  
Boatwright, Mark [77]  
Bobbitt, Mary [78], [230]  
Bocci, Marco [249]  
Bocinsky, Kyle [289]  
Bocinsky, R. Kyle [229], [259], [289]  
Boehm, Andrew [208]  
Boehnel, Harald [158]  
Bogaard, Amy [84], [194]  
Boileau, Arianne [227]  
Boisvert, Richard [133]  
Boling, Mark [98]  
Bollwerk, Elizabeth [152]  
Bolnick, Deborah [93], [291]  
bond, stanley [87]  
Bond, Sarah [64]  
Bongers, Jacob [105], [146]  
Boomgarden, Shannon [317]  
Borau, Laetitia [60]  
Borck, Lewis [338]  
Borejsza, Aleksander [149]  
Borgens, Amy [307]  
Borgstede, Gregory [296]  
Boric, Dusan [278]  
Borojevic, Ksenija [299]  
Borrero, Luis [69], [201]  
Bortolini, Eugenio [67]  
Bosch, Pedro [164]  
Bosch, Stephanie [172]  
Boswell, Alicia [104], [198]  
Boteler Mock, Shirley [169]  
Boudreaux, Edmond [327]  
Boudreaux, Sarah [137], [292]  
Boudreaux, Sarah Nicole [49]  
Bouknight, Aletheia [113]  
Boulanger, Matthew [315]  
Bourgeois, Nicholas [277]  
Bousman, Britt [109]  
Boutin, Alexis [296]  
Bouwman, Abigail [291]  
Bovy, Kris [286]  
Bow, Sierra [216], [248]  
Bowen, Corey [104]  
Bowler, John [52]  
Bowser, Brenda [284]  
Boyce, Ian [43]  
Boyd, Brian [22]  
Boyd, Carolyn [156], [199], [248]  
Boyer, Jeffrey [247]  
Bozarth, Steven [330]  
Bracken, Justin [147]  
Bradley, Bruce [318]  
Bradley, Robert [192]  
Brady, James [33], [292]  
Brady, Jana [172]  
Bragdon, Kathleen [338]  
Braje, Todd [286], [316]  
Brandon, Jamie [30]  
Brandt, Steven [249]  
Brandy, Paul [236]  
Brannan, Stefan [34]  
Brantingham, Jeffrey [284]  
Braswell, Geoffrey [138]  
Bratten, John [276]  
Braun, David [26], [249]  
Bravo, Ana [293]  
Bray, Tamara [121]  
Breitenbach, Sebastian F. M. [201]  
Bremer, J [87]  
Bremer, J. Michael [289]  
Brenet, Michel [255]  
Brennan, Michael [292], [307]  
Brenner, Mark [158]  
Breslawski, Ryan [206]  
Breternitz, Cory [18]  
Brewer, Jeffrey [52]  
Brewer, Olivia [46]  
Brewington, Seth [29]  
Bria, Rebecca [104], [105], [150], [152], [336]  
Briceño Rosario, Jesus [198]  
Briceño Rosario, Jesús [104], [245]  
Briceno, Jesus [104]  
Brickley, Megan [28]  
Bridges, Elizabeth [41]  
Briggs, Clive [343]  
Briggs, Rachel [11]  
Brighton, Stephen [213]  
Bringelson, Dawn [172]  
Brink, James [109]  
Britton, Emma [144]  
Briz I Godino, Ivan [118]  
Brock, Daniel [117]  
Brock, Daniel W.H. [196]  
Brock, Terry [258]

- Brodie, Neil [273]  
Bromley, Gordon [69]  
Brooks, Alison [26]  
Brooks, Jason [232]  
Brosman, Christopher [343]  
Broughton, Jack [316]  
Broughton, Whitney [306]  
Brouwer Burg, Marieka [229]  
Brown, Christopher A. [335]  
Brown, Claire [259]  
Brown, Clifford [153], [335]  
Brown, Clifford T. [335]  
Brown, David [188], [237]  
Brown, Gary [56]  
Brown, James [251]  
Brown, Jason [77]  
Brown, Kaitlin [163]  
Brown, Kathryn [31]  
Brown, M. Kathryn [31], [252]  
Brown, Sarah [320]  
Brown, Terry [99], [241]  
Brown, Thomas [173]  
Brown, Tony [17]  
Brown Vega, Margaret [146]  
Browne Ribeiro, Anna [149]  
Bruhns, Karen [153], [281]  
Brumbach, Hetty Jo [73]  
Brunelle, Andrea [317]  
Brunette, Jeremy [79]  
Bruno, Maria [99]  
Brunswig, Robert [206]  
Brush, Nigel [266]  
Bryan, Adrienne [105]  
Bryant, Jeff [341]  
Bryant, Vaughn [283]  
Bryce, William [141], [182]  
Brzezinski, Jeffrey [8]  
Buchanan, Briggs [193]  
Buchanan, Courtney [89]  
Buchanan, Meghan [15], [261]  
Buck, David [330]  
Buck, Ian [76]  
Buck, Paul [13]  
Buck, Tyler [340]  
Buckler, Edward [207]  
Budar, Lourdes [62]  
Buikstra, Jane [25], [157], [291]  
Bukowski, Julie [272]  
Burgle, Teresa [111]  
Bullion, Elissa [301]  
Bunbury, Judith [17]  
Bunn, Cherise [333]  
Bunting, Augusta [67]  
Burbank, Joshua [70]  
Burchell, Meghan [286]  
Burentogtokh, Jargalan [313]  
Burger, Rachel [46]  
Burger, Richard [281]  
Burghardt, Laura [79]  
Burgos, Walter [161], [191]  
Burke, Adam [308]  
Burke, Adrian [211]  
Burke, Ariane [16], [201]  
Burke, Chrissina [320]  
Burke, Tommy [106], [259]  
Burks, Jarrod [196]  
Burnett, Paul [77], [265]  
Burns, Clareanna [324]  
Burns, Jonathan [304]  
Burrillo, Ralph [207]  
Burrow, Ian [100]  
Burton, James H. [21]  
Burton, Margie [68]  
Burt, Amanda [265]  
Busch, William [157]  
Bush, Leslie [95]  
Bush, Mark [117]  
Butler, Ethan [23]  
Butler, Scott [221]  
Butler, Virginia [173], [286], [290]  
Butler, Virginia L. [173]  
Buttles, Palma [31], [33], [292]  
Buvit, Ian [114], [223]  
Buzon, Michele [15]  
Bybee, Alexandra [155]  
Byerly, Ryan [315], [316]  
Byers, David [206]  
Byrd, Brian [236]  
Byrne, Chae [244]  
Byrne, Fergus [255]  
Byrne, Roger [158]  
Byrnes, Allison [342]  
Cabadas Báez, Héctor Víctor [140]  
Cable, Charlotte [67]  
Cabrera Castro, Rubén [63]  
Cabrera Cortés, Oralía [63]  
Cabrero, Teresa [189]  
Cadeddu, Francesca [5]  
Cahieppati, Frank [248]  
Cai, Yan [51]  
Cain, Kevin [154]  
Cain, Tiffany C. [330]  
Cali, Plácido [76], [323]  
Callisto, Christina [232]  
Calvani, Daniel [286]  
Camacho-trejo, Claudia [293]  
Cabra, Rosemary [119], [306]  
Cameron, Catherine [202], [333]  
Cameron, Ian [160]  
Camp, Anna [148], [262]  
Campán, Patricia [104]  
Campbell, Breana [286]  
Campbell, Kendall [54]  
Campbell, Roderick [162]  
Campbell, Sarah [286], [290]  
Campbell, Stuart [249]  
Campbell, Tayte [305]  
Cappetti, Casey [233]  
Cande, Kathleen [168]  
Canham, Kelly [124]  
Canilao, Michael Armand [235]  
Canipe, Courtney [301]  
Cann, Johnson [249]  
Cannon, Mike [286]  
Cannon, Molly Boeka [10]  
Cano, Miguel [147]  
Cantarutti, Gabriel [121]  
Canuto, Marcello [128], [161], [279]  
Cap, Bernadette [252]  
Capriata Estrada, Camila [285]  
Capriles, Jose [23]  
Capriles, José M. [69]  
Caracuta, Valentina [84]  
Caraher, William [328]  
Caralock, Michael [79]  
Caramanica, Ari [149]  
Carbajal, Laura [54]  
Carballo, Jennifer [112]  
Carballo Marina, Flavia [104]  
Card, Jeb [72]  
Cardenas, Cinthya [21]  
Cardinal, J. Scott [214]  
Cardona, Augusto [25], [203]  
Cardona Rosas, Augusto [11], [38]  
Carey, Heather [248]  
Carey, Peter [148]  
Carlson, John [164]  
Carlson, Justin [264]  
Carlson, Kristen [280]  
Carlson-Greer, Sean [208]  
Carmody, Stephen [132], [207]  
Carn, Timothy [231], [233]  
Carneiro, Robert [288]  
Carpenter, Erika [260]  
Carpenter, Evan [230]  
Carpenter, John [339]

- Carpenter, Maureen [277]  
Carpenter, Steve [14]  
Carr, Christopher [183]  
Carr, Philip [76]  
Carranza, Carmen [336]  
Carrasco, Michael [9], [178]  
Carrier, Sam [180]  
Carrillo, Charles [202]  
Carroll, Elizabeth [173]  
Carroll, Gina [153]  
Carroll, Jon [229]  
Carter, Matthew [95]  
Carter, Nicholas [3]  
Carter, Tara [198]  
Carter, Tristan [249], [287], [301]  
Carter, William [337]  
Carvalho, Milena [299]  
Carvalho, Susana [255]  
Carver, Charisse [106]  
Casana, Jesse [13], [36], [55], [124]  
Casar, Isabel [63]  
Cascalheira, Joao [116]  
Cascalheira, João [116], [201]  
Case, Dana [285]  
Caseldine, Christopher [182], [183]  
Casias, Rhiana [137]  
Caso Barrera, Laura [191]  
Cassedy, Daniel [172]  
Cast, Robert [30]  
Castaneda, Amanda [199]  
Castañeda, Benjamin [104]  
Castanzo, Ronald [112]  
Castellon Huerta, Blas [112]  
Castillo, Janeth [200]  
Castillo, Luis Jaime [104]  
Castillo, Mario [72]  
Castillo Butters, Luis Jaime [59]  
Castillo Cárdenas, Karime [72]  
Castillo-Peña, Patricia [337]  
Catacora, Andrea [334]  
Cathers, Airielle [105]  
Catsambis, Alexis [125]  
Caulk, Grady [263]  
Cavallini, Carolina [197]  
Ceasar, Rachel [135]  
Cecil, Leslie [147]  
Cegielski, Wendy [13]  
Cerano, Julian [158]  
Cerezo-Román, Jessica [247]  
Cerling, Thure [186]  
Cervantes, Gabriela [104]  
Cesta, Jason [341]  
Chacaltana, Sofia [121]  
Chacaltana, Sofia [256]  
Chacaltana Cortez, Sofia [19]  
Chacon, Richard [288]  
Chacon, Yamilette [288]  
Chambers-Koenig, Emma [224]  
Chan, Evelyn [147]  
Chandlee, Sarah [171]  
Chadelaine, Claude [157]  
Charami, Alexandra [332]  
Charles, Douglas [340]  
Charles, Mona [334]  
Chase, Adrian [337]  
Chase, Arlen [75], [337]  
Chase, Brad [124]  
Chase, Diane [75], [154], [337]  
Chase, Zachary [183]  
Chatelain, David [52]  
Chatters, James [114]  
Chávez Balderas, Ximena [25]  
Chávez V., José Juan [112]  
Chazan, Michael [26]  
Chazin, Hannah [20]  
Cheetham, Paul [283]  
Chenault, Nicole [137], [292]  
Chenoweth, John [188]  
Cheong, Kong [179]  
Cherry, John [162]  
Chesson, Meredith [145]  
Cheval, Carole [22]  
Chiarulli, Bev [77]  
Chiarulli, Beverly [80], [157], [292], [304]  
Chicoine, David [27], [104], [150], [245]  
Chilton, Elizabeth [218]  
Chinchilla, Oswaldo [303]  
Chirinos Ogata, Patricia [231]  
Chisholm, Linda [208]  
Chiu, Scarlett [271]  
Chivis, Jeff [48]  
Chiykowski, Tanya [200]  
Chodoronek, Michael [13]  
Chouest, Matthew [221]  
Chovanec, Zuzana [301]  
Christiansen, Therese [172]  
Christie, Jessica [183]  
Christmas, Patricia [334]  
Christol, Aurélien [245]  
Chritz, Kendra [186]  
Chuipka, Jason [18]  
Church, Robert [307]  
Church, Warren [281]  
Churchill, Steven [16]  
Ciccone, Jason [211]  
Cienfuegos, Edith [63]  
Cinquino, Michael [248]  
Cioffi-Revilla, Claudio [214]  
Ciolek-Torello, Richard [294]  
Cipolla, Craig [338]  
Claassen, Cheryl [194]  
Clark, Amy [16]  
Clark, Jesse [289]  
Clark, John [30]  
Clark, Julia [23]  
Clark, Lindsey [18]  
Clarke, David [304]  
Clarke, Keith [337]  
Clarke, Mary [154]  
Clay, R. Berle [263]  
Clay, Vickie [125]  
Clayton, Sarah [21]  
Cleghorn, Naomi [109], [209]  
Cline, Cathey [247]  
Cobb, Allan [33]  
Cobb, Charles [338]  
Cobean, Robert [120], [275]  
Coben, Lawrence [296]  
Cobos, Rafael [252]  
Cochrane, Ethan E. [242]  
Cocke, Joe [315]  
Cockrell, Bryan [293]  
Coddington, Brian [282], [284]  
Codron, Daryl [109]  
Coe, Marion [324]  
Coe, Michael [312]  
Coello Rodriguez, Antonio [256]  
Cofelice, Jessica [155]  
Coffey, Grant [289], [333]  
Coffman, Sam [10]  
Cohen, Anna [200]  
Cohen, Susan [127]  
Coin, Emily [292]  
Coinman, Nancy [71]  
Cole, Jayne [140]  
Cole, Michelle [230]  
Cole, Sally [156]  
Collard, Mark [193], [278]  
Colledge, Sue [187]  
Collins, Angela [263]  
Collins, Brian [87]  
Collins, Jimmie [125]  
Collins, Joe [324]  
Collins, Lori [178]  
Collins, Michael [318]  
Collins, Ryan [252], [326]  
Colston, Jessica [316]

- Coltman, Jeremy [33], [37]  
Coltrain, Joan [317]  
Comeau, Laura [29]  
Comer, Douglas [295]  
Commendador, Amy [242]  
Commendador-Dudgeon, Amy [242]  
Compton, Anne [108]  
Comstock, Aaron [340]  
Cong, Jianrong [51]  
Conger, Megan [113]  
Conkey, Margaret [185], [240]  
Conlee, Christina [27], [146], [150]  
Conley, Hillary [180]  
Conlogue, Gerald [270]  
Connan, Jacques [163]  
Connaughton, Sean P. [50]  
Connell, Samuel [228]  
Connolly, Malcolm [97]  
Connolly, Robert [152], [274]  
Connelly, James [193]  
Conrad, Geoffrey W. [269]  
Constantinescu, Mihai [28]  
Contreras, Daniel [149]  
Conway, Meagan [259]  
Conyers, Lawrence [116], [157], [196], [295]  
Cook, Gordon [89]  
Cook, Lauren [264]  
Cook, Philip [181]  
Cook, Robert [13], [288], [340]  
Coons, Aaron [79], [231]  
Cooper, Jago [75]  
Cooper, Jason [236]  
Cooper, Leslie [232]  
Copes, Lynn [16]  
Corbett, Skye [87]  
Cordell, Ann [11]  
Cordero, Robin [247]  
Cordova, Carlos [17], [149]  
Cordova, Carlos E. [223]  
Cordova, Guillermo [253]  
Corl, Kristin [42], [43]  
Cornelison, Jered [64]  
Coronado, Anabella [312]  
Corrales-Ulloa, Francisco [197]  
Correa Ascencio, Marisol [63]  
Cortegoso, Valeria [287]  
Cortes-Rincon, Marisol [292], [322]  
Costa, Philippe [191]  
Costin, Cathy [19]  
Coston, Kirk [15]  
Cothren, Jackson [36]  
Couey, Lauren [259]  
Coulson, Sheila [58]  
Couture, Nicholas [12]  
Couture, Nicole [25], [203]  
Covey, Ronald [121]  
Cowie, Sarah [168]  
Cox, Kim [199]  
Coyle, Philip [339]  
Crabtree, Pam [162]  
Crabtree, Stefani [208], [289]  
Crabtree, Stefani A. [289]  
Craig, David [325]  
Craig, Douglas [43]  
Craig, Katharine [230]  
Craig, Lorena [175]  
Craig, Nathan [146]  
Crandall, John [64], [126]  
Crandford, David [10]  
Crawford, Dawn [253]  
Crawford, George [267]  
Creamer, Winifred [10], [245]  
Creel, Darrell [32], [66]  
Creese, John [338]  
Crema, Enrico [187]  
Crews, Christopher [7]  
Crider, Destiny [140], [143], [275]  
Cripps, Paul [36]  
Crisci, Gino M. [249]  
Crist, Walter [5]  
Cristiani, Emanuela [278]  
Critchley, Zachary [285]  
Croes, Dale [160]  
Cromb  , Philippe [201], [246]  
Cronin, Joseph [38]  
Crook, Wilson [318]  
Cross, Ian [122]  
Cross, John [292]  
Cross, Pamela [53]  
Crothers, George [74], [264]  
Crow, Michael [169]  
Crown, Patricia [243]  
Crumley, Carole [75], [124]  
Cruz, Isabel [206]  
Cruzado, Elizabeth [105]  
Cruzado Carranza, Elizabeth Katherine [152]  
Cruz-Morales, Christian [12]  
Cucina, Andrea [21]  
Cuenca-Solana, David [71]  
Cullen, Sara [265]  
Culleton, Brendan [13], [103], [280]  
Culleton, Brendan J. [300]  
Cunha, Eug  nia [116]  
Cunnar, Christiane [115]  
Cunnar, Geoffrey [115]  
Cunningham, Jeremy [118]  
Cunningham-Smith, Petra [113]  
Curet, L. Antonio [269]  
Cureton, Travis [2]  
Curry, Ben [119]  
Curtis, Jason [158]  
Cusicanqui, Solsir   [59]  
Cuthrell, Rob Q. [170]  
Cutright, Robyn [59], [285]  
Cutts, Russell [209]  
Cyphers, Ann [254]  
Cyr, Howard [117]  
Czaplicki, Jon [101], [239]  
Daggett, Adrienne [58]  
Dahlstedt, Allisen [203]  
Dalan, Rinita [263]  
Dale, Emily [176]  
Dalenberg, Kathryn [139]  
D'Alpoim Guedes, Jade [23]  
Dalpra, Cody [10]  
D'Altroy, Terence [205]  
Damp, Nicholas [344]  
DAndrea, William [201]  
D'Andrea, A.Catherine [4]  
Dane, Laura [278]  
Daneels, Annick [204]  
Daniels, Brian [273]  
Daniels, James [138]  
Darby, Connie [43]  
Darley, Zaida [77]  
Darling, J. Andrew [46]  
Daron, Steve [77]  
Darras, V  ronique [254]  
Darvill, Tim [283]  
Darwent, Christyann [320]  
Daughtrey, Cannon [210]  
Daughtrey, Cannon S. [210]  
Davalos, Dolores [47]  
D  valos Navarro, Dolores [144]  
Davenport, Anna [283]  
Davenport, Bryce [295]  
Davenport, James [19]  
Daver, Guillaume [255]  
Davey, Amanda [82]  
Davies, Sarah [158]  
Davis, Aaron [174]  
Davis, Alison R. [25]  
Davis, Christopher [90], [282]  
Davis, Jera [252]  
Davis, Katharine [38]  
Davis, Leslie [24], [114]  
Davis, Loren [24]

- Davis, Mary [35]  
Davis, Terressa [273]  
Dawson, Helen [181]  
Day, Peter [5]  
Day, Peter M. [332]  
De Anda Alaniz, Guillermo [33]  
De Carteret, Alyce [3], [227]  
De Francesco, Anna Maria [249]  
De Gruchy, Michelle [257]  
de Guevara, Sara Ladrón [62]  
De La Cova, Carlina [126]  
De La Garza, Mary [77]  
De La Peña, Paloma [255]  
de la Torre, Ignacio [255], [335]  
De Leeuw, Roosje [283]  
De Leon, Jason [328]  
De León, Jason [230]  
De Lucia, Kristin [110]  
De Nigris, Mariana [206]  
de Smet, Timothy [169]  
De Smet, Timothy [43]  
De Vega, Hortensia [123]  
De Vore, Steven [157]  
Deal, Michael [261]  
Dean, Emily [328]  
DeBlasis, Paulo [129]  
DeBoer, Warren [281]  
Dedrick, Maia [31], [57]  
deFrance, Susan [53], [113], [139]  
DeFrance, Susan [206]  
DeGayner, Jacob [79]  
Deiana, Rita [157]  
Deibel, Corinne [19]  
Deibel, Michael [19]  
Dekle, Victoria [308]  
Delher, Carol [10]  
Delle, James [118]  
Dello-Russo, Robert [24]  
Delvigne, Vincent [299]  
DeMaio, Joanne [327]  
DeMaio, Justin [32]  
Demakopoulou, Aikaterini [5]  
Demarest, Arthur [128]  
Demarte, Pete [302], [335]  
Dempsey, Erin [24]  
DeMuth, R. Carl [81]  
DeMuth, Robert Carl [81]  
Denis, Scholz [201]  
Denney, Timothy [298]  
Dennett, Carrie [153]  
Dennison, Meagan [216]  
Dennison, Rory [235]  
Derbyshire, Sam [186]  
Des Lauriers, Matthew [282]  
DeSantis, Larisa [103]  
Deska, Sylvia [64], [89], [303]  
Deter-Wolf, Aaron [183], [251]  
Detry, Cleia [116]  
Devji, Natasha [285]  
Devlin, Joanne L. [196]  
DeWitte, Sharon [102]  
Dexter, Jaime [148]  
Dias, Rita [116], [278]  
Diaz, Alejandra [175]  
Díaz, María Etelvina [57]  
Díaz, Melissa [146]  
Diaz-Granados, Carol [156]  
Diaz-Granados, Ph.D., Carol [251]  
Diaz-Matallana, Marcela [93]  
Dibble, Loretta [4]  
DiBenedetto, Katelyn [332]  
Dickson, D. Bruce [257]  
Diederichs, Shanna [289], [333]  
Diego Luna, Laura [238]  
Diehl, Michael [32], [66]  
Diehl, Richard [254]  
Dietler, John [119]  
Dietler, Michael [243]  
Dietzler, Jessica [273]  
Diez-Martín, Fernando [26]  
Dillehay, Tom [69], [245]  
Dillian, Carolyn [50], [249]  
Dillingham, Eric [156]  
DiMare, Tianna [173]  
DiNapoli, Robert [242]  
Ditchfield, Kane [244]  
Dixon, Christine [21]  
Dixon, E. James [131], [160]  
Dixon, Kelly [78], [230]  
Dixon, Kelly J. [78]  
Dobereiner, Jeffrey [3]  
Dodd, Lynn [228], [257]  
Dodge, Robyn [49]  
Doelle, William [66], [151], [212]  
Doering, Travis [178]  
Doershuk, John [77], [134]  
Dolan, Patrick [173]  
Dolan, Sean [287]  
Dollar, Nathanael [14]  
Dombrosky, Jonathan [42]  
Dominguez, Nancy [200]  
Dominguez, Silvia [30]  
Dominguez Carrasco, María del Rosario [52]  
Dominici, Davide [251]  
Donahue, Randolph [335]  
Dongoske, Cindy [151]  
Dongoske, Kurt [151], [159]  
Donner, Natalia [204]  
Doolittle, William [237]  
Dore, Christopher [100], [134], [151]  
Dorshow, Wetherbee [295], [344]  
Doucette, Dianna [172], [218]  
Douglass, John [294]  
Douglass, Kristina [40]  
Douglass, Matthew [13], [79], [220], [265]  
Doumani, Paula [20], [22]  
Douze, Katja [26]  
Dowd, Anne S. [30], [74], [211]  
Downey, Jordan [219]  
Doyel, David [321]  
Doyle, James [61]  
Doyle, Sean [301]  
Doyon, Leon [281]  
Drane, Leslie [263]  
Drass, Richard [79]  
Draut, Amy [87]  
Dreiss, Meredith [237]  
Drennan, Robert [197]  
Drexler, Carl [30], [168]  
Driese, Steven [114]  
Driver, Jonathan [286]  
Druc, Isabelle [19]  
Du Menil, Leann [224]  
Ducady, Geraldyn [68]  
Dudgeon, John [242]  
Dueppen, Stephen [171]  
Duff, Andrew [42], [113], [321]  
Duffy, Christopher [52]  
Duffy, Lisa [123]  
Duffy, Paul [222]  
Duffy, Paul R. [222]  
Duggan, Rebecca [157]  
Dugmore, Andrew [29], [75]  
Duke, Daron [282]  
Duke, Guy [59]  
Duke, Hilary [255]  
Dulanto, Jalh [245]  
Dull, Bryan [81]  
Dull, Robert [158]  
Duncan, James [251]  
Duncan, Lindsay [341]  
Duncan, Marjorie [280]  
Duncan, Neil [250]  
Duncan, William [25]  
Dungan, Katherine [333]  
Dunham, Sean [34]

- Dunning, Nicholas [158], [195], [250], [295]  
Dupont De Sousa Dias, Rita [116]  
Dupont-Hébert, Céline [29]  
Dupras, Toshia [102]  
Duran, Victor [287]  
Durand, Karen [256]  
Durand Gore, Kathy [247]  
Duranleau, Deena [218]  
Durante, Mark [172]  
Durusu-Tanriöver, Müge [41]  
Duryea, Dean [45]  
Dussault, Frédéric [325]  
Dussubieux, Laure [10]  
Dutillieux, Fanny [60]  
Duwe, Samuel [46], [333]  
Dwyer, Rachel [170]  
Dye, David [182], [251]  
Earle, David [163]  
Earley, Caitlin [130]  
Earley, F. Lee [248]  
Earnest, Howard [128]  
East, Nicole [46]  
Eastaugh, Edward [157]  
Eastep, Brigid [328]  
Ebert, Claire [52], [137]  
Echevarria, Gori Tumi [90]  
Eck, Colleen [77]  
Eckert, Suzanne [202], [242]  
Eckert, Suzanne L. [43]  
Eddins, Amy [206]  
Edgar, Heather [103]  
Edgar, Heather JH [247]  
Edinburgh, Kevan [187]  
Edwards, Briece [136]  
Edwards, Richard [320]  
Edwards, Steven [257]  
Edwards, Susan [230]  
Eerkens, Jelmer [19], [163], [284]  
Egan, Rachel [341]  
Egitto, Antoinette [225]  
Eichner, Katrina [87]  
Elmers, Molly [175]  
Eiselt, B. Sunday [46]  
Ek, Jerald [319]  
Ekblom, Anneli [75]  
Eldridge, Kelly [320]  
Elia, Ricardo [332]  
Ellick, Carol [304]  
Elliott, Daniel [196]  
Elliott, Michelle [34]  
Ellis, Chris [157]  
Ellis, Peter [263]  
Ellison, Leigh Anne [101]  
Ellyson, Laura [42]  
Elquist, Ora [218]  
Elrandson, Jon [320]  
Elson, Mark [117]  
Elston, Robert [282], [284]  
Elverson, Matthew [188]  
Emanuel, Jeffrey [88]  
Emanuelson, Pamela [288]  
Ember, Carol [115]  
Emberling, Geoff [329]  
Emerson, Thomas [74]  
Emerson, Thomas E. [272]  
Emery, Kitty [113], [286]  
Endfield, Georgina [17]  
Engelbrecht, William [342]  
Englehardt, Joshua [178]  
Engleman-Rhodes, Jenny [343]  
Enloe, James [109], [340]  
Enríquez, Roxana [293]  
Ensor, Bradley [118], [291]  
Eppich, Keith [183], [312]  
Epstein, Lori [28], [105]  
Erek, Cevdet Merih [299]  
Eren, Metin [26], [255]  
Erickson, Katrina [43]  
Erlandson, Jon [316]  
Ermigotti, Paul [289]  
Ernestein, Eileen [55], [196]  
Ernst, Logan [299]  
Eronat, Kristina [139]  
Erturaç, Korhan [249]  
Escamilla, Marlon [190], [197]  
Eschbach, Krista [72]  
Espinosa-Vallejos, Sandra [153]  
Esquer, Michael [163]  
Estes, Mark [316]  
Estrada-Belli, Francisco [61], [279], [295]  
Etcheson, Meeks [30]  
Etnier, Mike [286]  
Etter, Bonnie [307]  
Evans, Adrian [335]  
Evans, Damian [337]  
Evans, Lance [343]  
Evans, Susan [120]  
Evans, Victoria [79]  
Everett, Mark [169]  
Everhart, Jennifer [236]  
Evershed, Richard [63]  
Evis, Laura [283]  
Évora, Marina [116]  
Ewald, Tatyanna [285]  
Ewen, Charles [276]  
Fabian, Lara [20]  
Fadem, Cynthia [289]  
Fairley, Helen [87]  
Falk, Carl [265]  
Falvey, Lauren [32]  
Fan, Wenquan [126]  
Farah, Kirby [293]  
Farahani, Alan [127]  
Faraldo, Monica [28]  
Fargher, Lane [112], [130]  
Farias, Deisi [129]  
Farnsworth, Paul [111]  
Farquhar, Jennifer [313]  
Farrell, Pat [250]  
Farstad, Kendra [140]  
Fash, Barbara [154]  
Fash, William [128]  
Faulseit, Ronald [254]  
Fauman-Fichman, Ruth [112]  
Faust, Katherine [62]  
Fauvelle, Mikael [2], [198]  
Faux, Jennifer [37]  
Fayek, Mostafa [115]  
Feathers, Jim [201]  
Feathers, Valerie [177]  
Fedick, Scott [63], [330]  
Feeley, Frank [29]  
Fehrenbach, Shawn [18]  
Fehren-Schmitz, Lars [270]  
Feibel, Craig [295]  
Feinbert, Joshua [209]  
Feit, Rachel [155]  
Feld, Steven [122]  
Felling, Danielle [148]  
Fenn, Thomas [58], [237]  
Fennell, Christopher [94]  
Fenner, Jack [41]  
Fenoglio, Fiorella [336]  
Ferguson, Jeffrey [249], [287]  
Ferguson, Josalyn [123]  
Ferguson, Robert [157]  
Ferguson, T. J. [152]  
Ferguson, T.J. [151]  
Fernandes, Paul [299]  
Fernandez, Andrew [44]  
Fernández, Abel [146]  
Fernández, Pablo M. [206]  
Fernández, Patricia [197]  
Fernandez Diaz, Juan [337]  
Fernandez-Diaz, Juan-Carlos [337]  
Fernández-Díaz, Juan-Carlos [337]  
Fernandini, Francesca [245]  
Fernstrom, Katharine [215]  
Ferraro, Joseph [209]  
Ferris, Neal [134]

- Fertelmes, Craig [268]  
Fetterman, Jerry [289]  
Feuer, Bryan [15]  
Fiedel, Stuart [211]  
Field, Judith [148]  
Field, Julie [242]  
Field, Les [119]  
Figol, Timothy [322]  
Figueiredo, Olívia [116]  
Figueroa, Alejandro [161]  
Fike, David [260]  
Filimoehala, Chris [242]  
Filin, Sagi [65]  
Filini, Agapi [91]  
Filloy, Laura [25]  
Finlay, Nyree [115]  
Finley, Chris [343]  
Finley, Judson [148]  
Finnigan, Jim [117]  
Fischbeck, Shelly [137]  
Fisher, Chelsea [341]  
Fisher, Christopher [154], [337]  
Fisher, Jacob [286]  
Fisher, Kevin [5]  
Fisher, Lynn [246]  
Fisher, Victor [141]  
Fitton, Hannah [172]  
Fitts, Mary [213]  
Fitzgerald, Cassandra [13]  
Fitzhugh, Ben [101], [160]  
Fitzhugh, William [313]  
Fitzpatrick, Scott [85], [113], [298]  
Fitzsimons, Rodney [181]  
Fladd, Samantha [7], [42], [141]  
Fladeboe, Randee [141]  
Flanagan, Kelin [335]  
Fleisher, Jeffrey [145]  
Fleming, Lacey [53]  
Fleming, Miranda [231]  
Flensburg, Gustavo [6]  
Fletcher, Roland [337]  
Flood, Jonathan [17]  
FLORES RAMIREZ, ROSA MARIA [189]  
Florey Folan, Lynda [52]  
Fogelin, Lars [297]  
Folan, William [52]  
Follensbee, Billie [62], [192]  
Fonseca Ibarra, Enah Montserrat [163]  
Fontes, Lisa [246]  
Forbis, Adam [292]  
Ford, Anabel [337]  
Ford, Ben [80], [233], [304]  
Forde, Jamie [83]  
Forest, Marion [21], [60]  
Forman, Steven [186]  
Forné, Mélanie [21]  
Forringer-Beal, Anna [230]  
Forte, Maurizio [65], [107]  
Foster, David [218]  
Fournier, Patricia [72]  
Fowler, Catherine [22], [202]  
Fowler, Don [151], [202], [239]  
Fowler, Jonathan [157]  
Fowler, William [190]  
Fowles, Severin [159], [333]  
Fox, Amy [228], [342]  
Fox, Jake [71]  
Fox, Kara [307]  
Fox, Keri [179]  
Fox, Mathew [297]  
Fox, Sherry [28]  
Frachetti, Michael [296], [301]  
Frahm, Ellery [249]  
Franchetti, Fernando [11]  
Franco, Nora [69]  
Frank, Sirocko [201]  
Franklin, Jay [216]  
Franklin, Kathryn [20]  
Frappier, Amy [158]  
Frederick, Charles [14], [199], [264], [318]  
Freeland, Nicholas [284]  
Freeland, Travis [298]  
Freeman, Allyse [140]  
Freeman, Andrea [117]  
Freeman, Jeremy [199], [248]  
Freidel, David [128]  
Freiwald, Carolyn [21], [147]  
French, Charles [264]  
French, Katherine [241]  
French, Kirk [52], [295]  
Freund, Kyle [249]  
Frey, Serita [330]  
Fridberg, Diana [312]  
Frie, Adrienne [20]  
Fries, Eric [138]  
Friesen, Kelsey [153]  
Friesen, Max [201]  
Frink, Liam [143], [160]  
Fritz, Gayle [30]  
Frost, R. Jeffrey [311]  
Fruhlinger, Jake [54]  
Fry, Matthew [206]  
Fuehr, Stephanie [102]  
Fugate, Dody [202]  
Fulkerson, Tiffany [117]  
Fullagar, Paul [21]  
Fullagar, Richard [22]  
Fuller, Benjamin [242]  
Fuller, Heidi [95]  
Fuller, Natale [222]  
Fulton, Kara [137]  
Funk, Caroline [160], [173]  
Fux, Peter [154]  
Gabbert, Sara [43]  
Gabe, Caroline [309]  
Gaffney, Chris [157]  
Gagnon, Celeste [219]  
Gahr, D. [290]  
Galaty, Michael [89], [332]  
Galeazzi, Fabrizio [277]  
Galeev, Philipp [195]  
Galeta, Patrik [102]  
Galicki, Stanley [89]  
Galindo, Mary [95]  
Galke, Laura [233]  
Gallaga, Emiliano [170], [253]  
Gallagher, Daphne [171]  
Gallant, Thomas [127]  
Gallareta Negron, Tomas [31]  
Galle, Jillian [232]  
Gallenstein, Gwenn [165]  
Gallivan, Martin [159], [338]  
Galm, Jerry R. [117]  
Galvan, Melissa [195]  
Gamble, Lynn [85]  
Gamboa Velasquez, Jorge [27]  
Gandy, Jennifer [318]  
Garber, James [31], [188]  
Garcea, Elena [198]  
García, Juan Luis [69]  
García Paz, Carlos Andrés [192]  
Garcia-Des Lauriers, Claudia [130]  
Garcia-Herbst, Arleen [246]  
García-Moreno, Alejandro [278]  
García-Moreno, Cristina [339]  
Garcia-Putnam, Alex [283]  
García-Vásquez, Ramiro [153]  
Gardiner, Julie [82]  
Gardner, A. Dudley [324]  
Gardner, Jeff [117]  
Gardner, Karen [306]  
Gardner, William [313], [324]  
Gardner-O'Kearny, William [160]  
Garduño Ambriz, Mauricio [339]

- Garfin, Timothy [174], [250]  
Garfinkel, Alan P. [287]  
Garland, Jr., Theodore [16]  
Garrard, Andrew [236]  
Garraty, Christopher [321]  
Garrett, Stephen [318]  
Garrett, Zenobie [41]  
Garrison, Ervan [157]  
Garrison, Thomas [154]  
Garrow, Patrick [86]  
Gasco, Janine [72], [284]  
Gastaldi, Marcos [19]  
Gates-Foster, Jennifer [194]  
Gatto, Maria [88]  
Gaude', Dana [233]  
Gaudzinski-Windheuser,  
Sabine [278]  
Gauthier, Gilles [211]  
Gauthier, Rory [289]  
Gavua, Kodzo Bright [108]  
Gayó, Eugenia [23]  
Gblerkpor, William [108]  
Gear, W. Michael [314]  
Gebhard, Rupert [13]  
Geiger, Brian [110]  
Geller, Pamela [296]  
Gelliott, Eric [161], [191]  
Gentil, Bianca [319]  
George, Richard [163]  
Gernez, Guillaume [67]  
Gero, Joan [27]  
Gerstenblith, Patty [273]  
Geurds, Alexander [153]  
Ghazal, Royal [329]  
Ghezzi, Iván [19]  
Giambastiani, Dayna [334]  
Giambastiani, Mark [90]  
Giardina, Miguel [23], [206]  
Giardino, Marco [295]  
Gibaja, Juan [116]  
Gibb, James [155]  
Gibbs, Tim [87]  
Giblin, Julia [222]  
Giblin, Julia I. [222]  
Gibson, Rebecca [111]  
Gibson, Terrance [117]  
Gidding, Aaron [65], [301]  
Giersz, Milosz [203]  
Giessler, Kalena [228]  
Giesso, Martin [287]  
Gifford-Gonzalez, Diane [40],  
[314]  
Gil, Adolfo [23]  
Gilead, Isaac [65]  
Giles, Bretton [220]  
Gilheany, Emma [214]  
Gillam, Christopher [225]  
Gillenwater, Collin [188]  
Gillespie, Susan [204]  
Gilliland, Krista [117]  
Gillis, Nichole [172]  
Gilman, Patricia [66]  
Gilmer, Anastasia [318]  
Gilmer, Anna [318]  
Gilmore, Kevin [343]  
Gilmore, Zackary [308]  
Gilpin, Dennis [18], [202]  
Gilpin, Jennifer [125]  
Gilstrap, William [332]  
Gingerich, Joseph [133]  
Giomi, Evan [231]  
Giordano, Celeste [160]  
Giovas, Christina [113], [286]  
Giraldo, Santiago [197]  
Giraldo Tenorio, Hernando  
[311]  
Giraud, Jessica [67]  
Giron-Ábrego, Mario [70]  
Gísladóttir, Guðrún Alda [29]  
Glascott, Michael [11], [287]  
Glascott, Michael D. [269],  
[311]  
Glassow, Michael [246]  
Gleason, Matthew [335]  
Glover, David [244]  
Glover, Jeffrey [85], [295]  
Glover, Jeffrey B. [192]  
Glowacki, Donna [289]  
Gnivecki, Perry [269]  
Go, Matthew [103]  
Goble, Ronald [265]  
Godfrey, Kipp [160]  
Godoy, Renata [86], [331]  
Goebel, Ted [24]  
Goepfert, Nicolas [245]  
Goff, Sheila [68], [202], [321]  
Gokee, Cameron [230], [328]  
Gokulraman, Savitha [35]  
Goldberg, Kelly [58], [108],  
[205]  
Goldberg, Paul [332]  
GOLDBERG, PAUL [300]  
Golden, Charles [128], [296]  
Goldsmith, Paul [68]  
Goldstein, Amy [263]  
Goldstein, David [213]  
Goldstein, Lynne [64], [184],  
[303]  
Goldstein, Paul [27], [53],  
[203]  
Golitko, Mark [19], [38]  
Goman, Michelle [83], [124],  
[341]  
Gomez, Esteban [198]  
Gómez, Oswaldo [303]  
Gómez Zúñiga, Pastor [161]  
Goncalves, Celia [116]  
Gonçalves, Célia [116]  
Gonciar, Andre [102], [241]  
Gonlin, Nancy [21]  
Gonzalez, Erika [57]  
Gonzalez, Gabriela [207]  
Gonzalez, Juan [14]  
Gonzalez, Lourdes [339]  
Gonzalez, Sara [135]  
Gonzalez, Toni [70]  
Gonzalez Heredia, Raymundo [52]  
González López, Angel [293]  
Gonzalez-Morales, Manuel  
[71], [246]  
Goodale, Nathan [10], [76],  
[175], [289], [290]  
Goodman, Reed [301]  
Goodmaster, Christopher  
[199], [248]  
Goodwin, R. Christopher  
[308]  
Goodwin, Whitney [190]  
Gopnik, Hilary [329]  
Gordon, Adam [16]  
Gore, Angela [131]  
Gorman, Alicia [19]  
Gorogianni, Eugenia [5]  
Gosner, Linda [215]  
Götz, Christopher [192]  
Gough, Stan [117]  
Gowland, Rebecca [241]  
Grabowska, Samantha [230]  
Gradwohl, David Mayer [239]  
Graesch, Anthony [173], [230]  
Graf, Kelly [23], [131]  
Graff, Emily [102]  
Graham, Elizabeth [21], [72],  
[113], [123]  
Graham, Lain [155]  
Graham, Martha [77]  
Graham, Russell [208]  
Grant, David [125]  
Grant, Jonathan [148]  
Gratuze, Bernard [249]  
Gravalos, Marie [336]  
Grave, Alfonso [339]  
Gravel-Miguel, Claudine [299]  
Graves, Timothy B. [237]  
Graves, William [47], [159],  
[294]  
Greaves, Russell [22]

- Green, Thomas [151]  
Green, Ulrike [15]  
Green, Ulrike Matthies [15]  
Green, Vance [154], [322]  
Green, William [109]  
Greene, Alan [20]  
Greene, Lance [221]  
Greene, Michelle [247]  
Greenlee, Diana [165], [263]  
Greenwald, Alexandra [163]  
Greer, John [156], [248]  
Greer, Mavis [156], [248]  
Gregoricka, Lesley [67]  
Gregory, Brittney [199]  
Gregory, Danny [117]  
Gregory, Michael [328]  
Greiman, Nora [265]  
Grier, Colin [173], [290]  
Griffin, Patrick [259]  
Griffin, Robert [295]  
Griffith, Anne [228]  
Griffith, Cameron [70]  
Griffitts, Janet [210]  
Grifoni Cremonesi, Renata [241]  
Griggs, Carol [200]  
Grillo, Katherine [186]  
Grimm, Sonja [278]  
Groleau, Amy [38]  
Gronenborn, Detlef [201]  
Grosch, Peregrine [300]  
Gross, Haley [209]  
Grove, David [254]  
Gruber, Thomas [66]  
Grund, Brigid [343]  
Grussing, Valerie [136]  
Guderjan, Thomas [17], [123], [137], [292], [330]  
Gudino, Alejandra [57]  
Guengerich, Anna [110]  
Guenter, Stanley [312]  
Guernsey, Julia [279]  
Guía, Andrea [163]  
Guiducci, Dario [16]  
Guiry, Eric [233]  
Gullapalli, Praveena [35]  
Gumerman, George [202]  
Gunn, Christopher [167]  
Gunn, Joel [75], [158]  
Gunn, Scott [42]  
Gunter, Madeleine [15]  
Gunther, María Virginia [57]  
Gurevitz, Anna [103]  
Gurstelle, Andrew [4], [171]  
Gurtov, Alia [255]  
Gusick, Amy [284]  
Gust, John [330]  
Gust, Sherri [315]  
Gustas, Robert [137], [315], [322]  
Gustavsen, Jenifer [278]  
Gutierrez, Gerardo [8], [83]  
Gutierrez, Maria [69]  
Gutiérrez, Belkys [245]  
Gutiérrez, María [6]  
Gutiérrez Pérez, Abril Ivonne [25]  
Gutiérrez-Zugasti, Igor [71]  
Guttenberg, Richard [316]  
Guttenberg, Richard B. [163]  
Guzman Contreras, Victor [163]  
Gyucha, Attila [310]  
Haas, Hannah [192]  
Haas, Jonathan [245]  
Haas, Katherine [20]  
Haas, Mallory [152]  
Haas, W. Randall [16]  
Haas, Wm. [6]  
Habicht-Mauche, Judith [202]  
Habu, Junko [201]  
Hadad, Rémi [28]  
Hadden, Carla [216]  
Haddow, Scott [28]  
Hadel, Patrick [92], [211]  
Hadlett, Tracy [263]  
Haggard, Alyssa [322]  
Haines, Helen [70], [302]  
Hale, John [312]  
Haley, Bryan [30], [252]  
Haley, Bryan S. [157]  
Hall, Derek [201]  
Hall, John [210]  
Hall, Katherine [230]  
Hall, Terrance [326]  
Haller, Mikael [335]  
Halligan, Jessi [114]  
Hallin, Kristen [127]  
Halling, Christine [12]  
Hally, David [276]  
Halperin, Christina [110], [147]  
Hamilton, Derek [13]  
Hamilton, Marcus [16]  
Hamilton, Michelle [241]  
Hamilton, W. [89]  
Hammerl, Emily [79]  
Hammerstedt, Scott [327]  
Hammond, Gail [137]  
Hammond, Krystal [64]  
Hammond, Norman [61], [292]  
Handsman, Russell [152]  
Hanks, Bryan [15]  
Hanna, Jonathan [292]  
Hans-Christoph, Strien [201]  
Hanselmann, Frederick [307]  
Hansen, Gitte [325]  
Hansen, Richard [61], [288]  
Hansen, Richard D. [158], [227]  
Hanson, Ian [283]  
Hanson, Kathryn [215]  
Haour, Anne [108]  
Hard, Robert [47], [265]  
Hard, Robert J. [103], [207]  
Harding, Gregg [228]  
Hardy, Meredith [96]  
Hardy, Thomas [231]  
Hare, Timothy [337]  
Hargrave, Eve [272]  
Hargrave, Michael [263]  
Harke, Ryan [96]  
Harkness, Rebecca [43]  
Harlan, Mark [179]  
Harlow, Jeanette [11], [315]  
Harmand, Sonia [255]  
Harmansah, Omur [124]  
Harmansah, Ömür [41]  
Harmon, Brian [344]  
Harper, Charlie [300]  
Harper, Christopher [334]  
Harrington, Katherine [332]  
Harrington, Lesley [53]  
Harris, Arthur H. [14]  
Harris, J. Chrys [157]  
Harris, Jacob [298]  
Harris, James [89]  
Harris, John WK [295]  
Harris, Kathryn [208]  
Harris, Khadene [188]  
Harris, Lucille [290]  
Harris, Megan [234]  
Harris, Susan [246]  
Harrison, Ramona [29]  
Harrison, Rebecca [209]  
Harrison-Buck, Eleanor [330]  
Harro, Douglas [289]  
Harrod, Ryan [126]  
Harry, Karen [2]  
Hart, Isaac [317]  
Hart, Issac [317]  
Hart, Sharlot [78]  
Hart, Thomas [39], [250]  
Hartley, Charles [20]  
Hartley, James [206]  
Hartman, Gideon [209]  
Hartshorn, Timothy [230]

- Hasaki, Eleni [332]  
Hassler, Gabriel [231], [245]  
Hastorf, Christine [27], [99], [250]  
Hattori, Eugene [248]  
Hauer, Bethany [78]  
Haukaas, Colleen [326]  
Hauser, Mark [124], [188]  
Haussner, Elizabeth [123]  
Hawkins, Ben [305]  
Hawkins, William [283]  
Haws, Jonathan [278], [299]  
Hayashida, Frances [149], [185]  
Haydon, Rex [25]  
Haynes, Gary [320]  
Hays-Gilpin, Kelley [159], [202]  
Hayward, Anne [336]  
Hayward, Douglas [288]  
Hayward, Michele [248]  
Heacock, Erika [32], [234]  
Headrick, Annabith [167]  
Healan, Dan [254], [275]  
Healey, Elizabeth [249]  
Heaney, Christopher [57]  
Heath, Margaret [96]  
Hechler, Ryan [188]  
Heckenberger, Michael [281]  
Heckman, Robert [294]  
Hector, Neff [140]  
Hedgepeth Balkin, Jessica [83]  
Hedland, Jonathan [343]  
Hedman, Kristen [272]  
Hedman, Kristin M. [272]  
Hedquist, Saul [18]  
Heep, Nathan [228]  
Heftter, Eric [217]  
Hegmon, Michelle [66], [289]  
Heide, Poul [29]  
Heilen, Michael [294]  
Heins, Sarah [113]  
Heisinger, Bryan [318]  
Heitman, Carrie [333]  
Heller, Eric [37]  
Helmer, Matthew [27], [245]  
Helmke, Christophe [33]  
Helton, Erin [199], [248]  
Hemingway, Katharina [196]  
Henderson, A. Gwynn [96]  
Henderson, Gwynn [340]  
Henderson, Kad [125]  
Henderson, Lucia [120]  
Henderson, T. Kathleen [43]  
Hendon, Julia [110], [161]  
Hendrix, Jess [228]  
Henry, Edward [159]  
Hepp, Guy [8]  
Herbert, James [50]  
Herbst, George [125]  
Herckis, Lauren [50]  
Herdich, David [242]  
Heredia Espinoza, Verenice [112], [130], [189]  
Herlich, Jessica [125]  
Hermes, Taylor [20], [301]  
Hernandez, Amanda [268]  
Hernandez, Christine [254]  
Hernandez, Eleazar [252]  
Hernandez, Hector [72]  
Hernandez Arana, Jonathan [204]  
Hernández Escontrías, Pilar [256]  
Hernandez Garavito, Carla [256]  
Hernández-Sandoval, Luis [336]  
Hernanz, Antonio [156]  
Herndon, Kelsey [107]  
Herr, Sarah [1], [134], [184], [326]  
Herrera, Roberto [34]  
HERRERA, JOSE [195]  
Herrmann, Edward [111]  
Herrmann, Jason [55], [157]  
Herrmann, Nicholas [102], [126], [232], [303]  
Herrmann, Nicholas P. [196]  
Herrmann, Virginia [41]  
Hester, Thomas [31], [292]  
Hicks, John [298]  
Hicks, Megan [29]  
Hicks, Patricia [77]  
Hiebel, Gerald [36]  
Higelin, Ricardo [293]  
Higgins, Howard [50]  
Highcock, Nancy [257]  
Hightower, Jessica [337]  
Hildebrand, Elisabeth [186]  
Hildebrandt, William [282]  
Hill, Brett [71]  
Hill, Christopher [24], [114]  
Hill, David [237]  
Hill, Dr. David [46]  
Hill, Katherine [175]  
Hill, Katie [230]  
Hill, Kim [132]  
Hill, Matthew E. [166]  
Hill, Natalie [42]  
Hill, Rebecca [195]  
Hills, Kendall [130]  
Hilton, Michael [304]  
Hinojosa-Balino, Israel [8]  
Hirth, Kenneth [60], [254]  
Hiscock, Peter [71]  
Hishida, Tetsuo [226]  
Hitchings, Philip [84]  
Hlubik, Sarah [209], [295]  
Hoag, Elizabeth [152]  
Hoard, Robert J. [280]  
Hockett, Bryan [148], [278]  
Hodell, David [158]  
Hodges, Charles [315]  
Hodgetts, Lisa [157], [261], [326]  
Hodgins, Gregory [69]  
Hoffman, Amy [42]  
Hoffmann, Tanja [290]  
Hofman, Courtney [316]  
Hofman, Jack [24]  
Hogan, Maura [263]  
Hogan, Patrick [87]  
Högberg, Anders [115]  
Hogg, Erin [76]  
Hoggarth, Julie [21], [158]  
Holcomb, Justin [148]  
Holeman, Abigail [42]  
Holk, Gregory [140]  
Holland, Andrew [335]  
Holland, Christina [12]  
Hollander, David [329]  
Hollenbach, Kandace [117]  
Holliday, Vance [24]  
Holliday, Vance T. [14]  
Holly, Donald [325]  
Holly, Jr., Donald H. [325]  
Holt, James [165]  
Holt Mehta, Haley [275]  
Homburg, Jeffrey [294]  
Hook, Fiona [244]  
Hoppa, Kristin [170]  
Hopt, Justin [173]  
Horcajada Campos, Patricia [164]  
Horlacher, Jacob [252]  
Horn, Sherman [138]  
Horneman, Rennie [298]  
Horowitz, Rachel [302]  
Horrell, Christopher [307]  
Horsley, Timothy [157]  
Horton, Elizabeth [22], [176], [251]  
Houk, Brett [37]  
Houk, Brett A. [107], [302]  
Houle, Jean-Luc [313]  
House, Romuald [60]

- Houston, Gordon [90]  
Houston, Stephen [154], [162]  
Howard, Joshua [173]  
Howard, Margaret [199]  
Howe, Jessica [76]  
Howe, Mark [87]  
Howell, Angelina [86], [331]  
Howell, Mark [122]  
Howey, Meghan [338]  
Howie, Linda [123], [261]  
Howland, Matthew [65]  
Howryla, Matt [172]  
Howryla, Matthew [315]  
Hranicky, William [133]  
Hristova, Polina [230]  
Hritz, Carrie [124], [301]  
Hronec, Laura [267]  
Hruby, Zachary [191]  
Hubbard, Amelia R. [291]  
Hubbard, Duane [79]  
Huckell, Bruce [24], [79]  
Huckert, Chantal [62]  
Huckleberry, Gary [117]  
Hudson, Jean [104], [245]  
Huff, Jennifer [271]  
Huffman, Thomas [248]  
Huggins, Kathleen [301]  
Hughes, Cris [147]  
Hughes, Richard [287]  
Hughes, Richard E. [30]  
Hughes, Ryan [198]  
Hughes, Susan [125]  
Hull, Tony [141]  
Hull-Walski, Deborah [239]  
Hulse, Eva [117]  
Humayun, Jennifer [276]  
Humayun, Munir [276]  
Hunstiger, Matthew [209]  
Hunt, Alice [10]  
Hunt, Terry [193], [298]  
Huntley, Deb [66]  
Huntley, Deborah [202]  
Huntley, Deborah L. [43]  
Hurcombe, Linda [22]  
Hurd, Kayla [208]  
Hurst, Heather [156]  
Hurst, Stance [280]  
Huster, Angela [140]  
Hutson, Jarod [278]  
Hutson, Scott [143], [305]  
Hutson, Scott R. [305]  
Hyde, David [52], [137]  
Hyde, David M. [137], [292]  
Iankov, Krassimir [337]  
Iannone, Gyles [128], [137], [235], [302], [335], [337]  
Ibarra Asencios, Bebel [38]  
Ichikawa, Mitsuo [73]  
Ida, Jennifer [219]  
Iizuka, Fumie [311]  
Ikehara, Hugo [27], [150]  
Ingram, Scott [29]  
Inomata, Takeshi [27], [61], [128], [158], [252]  
Inoue, Taisuke [178]  
Irarte, Jose [39]  
Irwin, Jeff [125]  
Isbell, William [143], [203]  
Isendahl, Christian [75]  
Isla, Johny [154]  
Issavi, Justine [277]  
Ives, John [148]  
Izeki, Mutsumi [341]  
Izquierdo, Ana Luisa [227]  
Izuho, Masami [114], [223], [287]  
Jackson, Antoinette [283]  
Jackson, Brittany [102]  
Jackson, Edwin [260]  
Jackson, Sarah [164]  
Jackson, Stephen [75]  
Jacobs, Mike [336]  
Jacobson, Jodi [320]  
Jacques, Clarisse [331]  
Jacquier, Jérémie [201]  
Jadot, Elsa [21]  
Jaillet-Wentling, Angela [304]  
Jakaitis III, Edward [176]  
James, Vivian [140]  
Jameson, John H [134]  
Jameson, Spencer [301]  
Janaway, Robert [283]  
Janetski, Joel [148]  
Jankauskas, Rimantas [102]  
Jansen, Øystein James [325]  
Janson, Rébecca [58]  
Janusek, John [120], [288]  
Janz, Lisa [313]  
Janzen, Anneke [40], [186]  
Jarrett, Jordan [321]  
Jarriel, Katherine [181]  
Jarvenpa, Robert [73]  
Jarvis, Jonathan [155]  
Jazwa, Christopher [316]  
Jeane, David [30]  
Jefferies, Richard [74]  
Jelks, Edward [239]  
Jenkins, Dennis [148]  
Jenkins, Kirsten [208]  
Jenkins, Ned [276], [327]  
Jenkins, Tara [28]  
Jenkinson, Anthony [325]  
Jenks, Kelly [168]  
Jennings, Thomas [24], [263]  
Jensen, Anne [68]  
Jeremiah, Kristen [232]  
Jeske, Robert [255]  
Jewell, Elizabeth [141]  
Ji, Ping [51]  
Jimenez, Elizabeth [120]  
Jimenez, Peter [339]  
Jimenez, Socorro [128]  
Jiménez González, Rocío Berenice [25]  
Jiménez-Cano, Nayeli [192]  
Joannes-Boyau, Renaud [249]  
Jochim, Michael [284]  
Johannesson, Erik [92]  
Johansson, Lindsay [262]  
Johnson, Claudia C. [269]  
Johnson, Erlend [161]  
Johnson, Hunter [323]  
Johnson, Ilana [59]  
Johnson, James [20]  
Johnson, Jay [30]  
Johnson, Jessica [215]  
Johnson, John [68]  
Johnson, Kent [291]  
Johnson, Peri [41]  
Johnson, Phillip [242]  
Johnson, Scott [177]  
Johnston, Christopher [23]  
Jolie, Edward [202]  
Jolie, Edward A. [336]  
Jones, Ashley [103]  
Jones, Bradford [95]  
Jones, Emily Lena [286]  
Jones, Eric [34], [263]  
Jones, Geoffrey [196]  
Jones, Ian [127]  
Jones, Jason [322]  
Jones, John [250]  
Jones, Kevin [314]  
Jones, Martin [99]  
Jones, Matthew [149], [236]  
Jones, Olivia [28]  
Jones, Terrah [105], [146]  
Jones, Travis [13]  
Jordan, James [80]  
Jordan, Jillian [137], [138]  
Jordan, Stacey [7]  
Josephs, Richard [220]  
Joslin, Terry [246]  
Joyce, Arthur [8], [83], [124], [149], [279], [341]  
Joyce, Rosemary [126], [190], [338]

- Juengst, Sara [64]  
Junker, Laura [145]  
Kabata, Shigeru [112]  
Kadowaki, Seiji [236]  
Kahn, Jennifer [85]  
Kaiser, Luke [181]  
Kakalouras, Ann [64]  
Kamnikar, Kelly [232]  
Kamp, Kathryn [115]  
Kamp-Whittaker, April [328]  
Kandler, Anne [187]  
Kane, Susan [180]  
Kansa, Eric [36], [81]  
Kansa, Eric C. [286]  
Kansa, Sarah [1], [36], [286]  
Kansa, Sarah W. [81]  
Kantner, John [56], [247]  
Kantor, Loni [200]  
Kappelman, John [109], [201]  
Kara, Alex [295]  
Karasik, Avshalom [65]  
Karbula, James [169]  
Kardamaki, Eleftheria [5]  
Kardamaki, Elina [332]  
Kardulias, P. Nick [11], [172], [300], [301]  
Kardulias, Paul [266]  
Kari, James [160]  
Karkanas, Panagiotis [332]  
Kasper, Kimberly [152]  
Kassabaum, Megan [260]  
Kate, Emily [140]  
Katz, Jared [164]  
Katzenberg, M. Anne [144]  
Kauffman, Greg [12]  
Kaufman, Brett [41]  
Kaufman, Daniel [84]  
Kaufman, Laura [304]  
Kaufmann, Cristian [6]  
Kawano, Masanori [226]  
Kawell, Spencer [138]  
Kay, Marvin [109]  
Keach, Levi [332]  
Kee, Jan [334]  
Keeler, Peter [192]  
Keene, Joshua [324]  
Kehoe, Alice [214]  
Keller, Angela [252]  
Kellett, Lucas [34]  
Kelley, Alice R. [264]  
Kelley, Jane [144], [202]  
Kellner, Corina M. [15]  
Kelly, John [251]  
Kelly, Kenneth [58], [108], [205]  
Kelly, Robert [16], [201]  
Kelly, Sophia [143]  
Kelsoe, Camilla [23]  
Kelvin, Laura [326]  
Kemp, Brian [291]  
Kemp, Brian M. [289] Kemp, Leonard [248] Kendall, Aaron [29] Kennedy, John [265]  
Kennedy, Richard [44]  
Kennedy, Ryan [265]  
Kennedy, Sarah [231], [245]  
Kennedy Richardson, Kari-mah [142]  
Kennedy-Richardson, Kari-mah [142]  
Kennerty, Michael [236]  
Kennett, Douglas [13], [85], [103], [158], [246], [280], [316]  
Kennett, Douglas J. [137], [201], [300]  
Kerig, Tim [187]  
Kessler, Nicholas [176]  
Ketchum, Sheena [301]  
Keur, Mitchell [210]  
Key, Alastair [335]  
Keyes, Cassandra [7]  
Kiatipes, Christopher [40]  
Kidder, Barry [264], [305]  
Kidwell, Jasmine [267]  
Kieffer, C. L. [33], [70]  
Kielhofer, Jennifer [235]  
Kilby, David [267]  
Killgrove, Kristina [64]  
Killick, David [271], [321]  
Killoran, Peter [28]  
Kim, Nam C. [129]  
Kimmerle, Erin [283]  
Kimura, Birgitta [139]  
King, Eleanor [96], [292]  
King, Jason [157], [291]  
King, Julia [80]  
King, Julie [316]  
King, Robert [96]  
King, Stacie [72]  
King, Stephanie [306]  
Kinyera-Okeny, C [17]  
Kirakosian, Katie [74], [218], [274]  
Kissel, Marc [299]  
Kissinger, Krystal [174]  
Kistler, Logan [99]  
Kiura, Purity [249]  
Kivimaki, Sanna [310]  
Klarich, Elizabeth [194]  
Klassen, Sarah [235]  
Klaus, Haagen [28]  
Klehm, Carla [205]  
Kleinpeter, Kenneth [270]  
Klokler, Daniela [129]  
Klucas, Eric [47]  
Knabb, Kyle [198]  
Knack, Jeni [142], [316]  
Knapp, A Bernard [127]  
Knapp, Ashleigh [199]  
Knaub, Colene [102]  
Kneifel, Rebekah [175]  
Kneip, Andreas [129]  
Knell, Edward [166]  
Knierim, Rebekka [163]  
Knight, Charles [91]  
Knight, Vernon J. [11]  
Knipper, Corina [246]  
Knodel, Hilary [139]  
Knoll, Michelle [317]  
Knorr, Melissa [330]  
Knox, Kelsey [299]  
Knudson, Kelly [203], [303]  
Knudson, Ruthann [239]  
Knüsel, Christopher [28]  
Ko, Eunbyul [41]  
Kober, Brent [43]  
Kobti, Ziad [289]  
Kocer, Jacqueline [42]  
Koenig, Charles [199]  
Koerner, Shannon [220]  
Kohler, Tim [289]  
Kohler, Timothy A. [289]  
Kohut, Lauren [150]  
Kokel, Christie [252]  
Kolar, Miriam [122]  
Kolb, Michael [264]  
Kolvet, Renee [282]  
Komes, Lindsey [10]  
Koncelova, Marketa [299]  
Kondyli, Fotini [36]  
Konwest, Elizabeth [72], [293]  
Kooiman, Susan [48]  
Koons, Michele [19], [59], [149]  
Koontz, Rex [62], [204]  
Kooyman, Brian [173]  
Kopperl, Robert [315]  
Korhonen, Natalia [201]  
Kornegay Dollar, Lauren [104]  
Kornfeld, Marcel [284]  
Korpisaari, Antti [203]  
Kosakowsky, Laura [31], [277]  
Kosiba, Steve [121]  
Kosyk, Katrina [153]  
Kotegawa, Hirokazu [204]  
Kovacevich, Brigitte [140],

- [253], [330]  
Kowalewski, Stephen [83]  
Kowalski, Jeff [130]  
Kowalski, Jessica [260]  
Koyiyumptewa, Stewart [152]  
Kramer, Karen [22]  
Krasinski, Kathryn [114], [173], [282]  
Krause, Samantha [17], [123], [137], [330]  
Kremkau, Scott [45]  
Kretzler, Ian [214]  
Krieger, Angie [111]  
Krigbaum, John [12], [113], [206]  
Krigbaum, Jon [270]  
Kristan-Graham, Cynthia [37]  
Kristensen, Todd [323]  
Kristiansen, Kristian [118], [288]  
Krug, Andrew [44]  
Krummel, Jordan [109]  
Krus, Anthony [13], [266]  
Kruse-Peeples, Melissa [207]  
Kubátvá, Ilona [102]  
Kuckelman, Kristin [333], [344]  
Kuehn, Steven [192]  
Kuester, Falko [65]  
Kuhn, Steven [16], [71]  
Kuijt, Ian [106], [259]  
Kulhavy, Kathryn [102]  
Kurin, Danielle [93], [103], [203]  
Kurnick, Sarah [302]  
Kurota, Alexander [87]  
Kuwanwisiwma, Leigh [202]  
Kuzucuoglu, Catherine [249]  
Kvamme, Kenneth [284], [318]  
Kvetina, Petr [299]  
Labate, Julie [111]  
LaBelle, Jason [23], [24]  
Lacadena, Alfonso [25]  
Lackey-Cornelison, Wendy [64]  
Ladron De Guevara, Sara [62]  
Lafarge, Audrey [299]  
Laffey, Ann [19]  
Laguens, Andrés [19]  
Laguer Diaz, Carmen [269]  
Lail, Warren [13], [79]  
Laluk, Nicholas [326]  
Lam, WengCheong [51]  
Lamb, Celine [305]  
Lambert, Dora [10]  
Lambert, John [315]  
Lambert, Patricia [12], [306]  
Lambert, Shawn [251]  
Lambert-Law De Lauriston, Timothy [217]  
Lamela Lopez, Raquel [147]  
Lamoureux St-Hilaire, Maxime [224]  
Landa, Olga [238]  
Landau, Kristin [154]  
Landon, Amanda [334]  
Landry, Shannon [79]  
Landt, Matthew [77]  
Lane, Kevin [264]  
Lane, Michael [332]  
Lane, Paul [75]  
Lang, Elizabeth [127]  
Lange, Frederick [153], [197]  
Langebaek Rueda, Carl [103]  
Langenwalter, Paul [163]  
Langlais, Mathieu [201]  
Langlie, BrieAnna [150]  
Langlitz, Meredith [96], [326]  
Langston, Lucinda [216]  
Laparidou, Sofia [205]  
LapeyreMontrose, Stephanie [174]  
LaPoint, Halcyon [23]  
Lapp, Jennifer [153]  
Lara-Pinto, Gloria [161]  
Larkin, Karin [202]  
Larmore, Sean [343]  
Larralde, Signa [151]  
Larsen, Clark [291]  
Larsen, Zachary [305]  
Larson, Bruce [125]  
Larson, Dorothy [42]  
Larson, Mary Lou [284]  
LaRue, Chuck [182]  
Lash, Ryan [106]  
Lassen, Robert [318]  
László, Paja [222]  
Lau, George [162]  
Laumbach, Karl [202]  
Laumbach, Toni [202]  
Lauzon, Ashley [32]  
LaValley, Stephen [324]  
Law De Lauriston, MacLaren [217]  
Lawler, Dennis [53]  
Lawrence, Dan [75]  
Lawrence, Ken [199]  
Lawrence, Kenneth [165]  
Lawrence, Scott [155]  
Lazarus, Paula Kay [300]  
Lazzaris, Gerson Levi [6], [57]  
Le Bourdonnec, François-Xavier [249]  
Leach, Melinda [22]  
Leach, Peter [196]  
LeBeau, Albert [343]  
LeBlanc, Steven [66]  
Leckman, Phillip [294]  
Ledford, Janine [136]  
Ledford, Kelly [53]  
Lee, Craig [23]  
Lee, Greg [273]  
Lee, June-Jeong [41]  
Lee, Rechanda [42], [78]  
Lees, William [239]  
Lee-Thorp, Julia [53]  
Lefas-Tetenes, Mariani [68]  
Lefebvre, Karine [60]  
LeFebvre, Michelle [113], [139]  
Leftwich, Brent [284]  
Lei, Xingshan [51]  
Leight, Megan [91]  
Leisz, Stephen [154], [337]  
Lekson, Stephen [56], [66], [159], [202]  
Lelièvre, Michelle [218]  
Lemke, Ashley [300], [318]  
Lemonnier, Eva [21], [34]  
Lennen, Joel [327]  
Lensink, Stephen [77]  
Lentz, David [158]  
Leon, Alycia [285]  
Leon, Jeffrey [157]  
Leon, Mike [50]  
Lepofsky, Dana [160]  
Leriche, Christina [140], [189]  
Lerman, Melanie [142]  
Lerner, Shereen [96]  
Leslie, David [209]  
Lesure, Richard [140]  
Letham, Bryn [173]  
Leventhal, Alan [119], [306]  
Leventhal, Richard [273], [330]  
Levi, Laura [292]  
Levin, Maureece [298]  
Levine, Abigail [104], [194]  
Levine, Marc [83]  
Levy, Janet [143]  
Levy, Thomas [65], [127], [301]  
Lewandowski, David [2]  
Lewarch, Dennis [140]  
Lewis, Brandon [319]  
Lewis, Danielle [288]

- Lewis, Helen [117]  
Lewis, Ian [160]  
Lewis, Jason [255]  
Lewis, Michael [317]  
Li, YUQI [92]  
Lieb, Brad [213]  
Lieber, Mallary [44]  
Liebert, Thaddeus [79]  
Liebmann, Matt [256], [338]  
Liebmann, Matthew [296]  
Liffman, Paul [339]  
Lightfoot, Kent [198]  
Lillehammer, Grete [115]  
Lilley, Ian [97], [242]  
Lillie, Robin [155]  
Lilius, Katina [28], [102], [241]  
Lima, Ângelo [331]  
Lin, Sam [13]  
Lin, Ying [10]  
Linares, Adriana [312]  
Linares-Palma, Adriana [326]  
Lindauer, Owen [151]  
Lindgren, Stefan [277]  
Lindsay, Ian [157], [198]  
Lindstrom, Katie [35]  
Ling, Johan [118]  
Lione, Brian [215]  
Liot, Catherine [21]  
Lipe, William [151]  
Lipo, Carl [11], [193], [298], [315]  
Lippert, Dorothy [135]  
Lippi, Ronald [57]  
Lira-Lopez, Yamile [204]  
Litschi, Melissa [104]  
Little, Aimée [22]  
Little, Keith [323]  
Little, Maran [216]  
Littleton, Judith [67]  
Liu, Li [51]  
Liu, Xinyi [99]  
Livesay, Alison [11]  
Livingood, Patrick [327]  
Llamoja Vega, Delia [285]  
Locascio, William [311]  
Lockau, Laura [28]  
Lockhart, Jami [30], [327]  
Lodge, Spencer [316]  
Loebel, Thomas [315]  
Loendorf, Chris [182]  
Loendorf, Lawrence [156]  
Lofaro, Ellen [53], [206]  
Logan, Amanda [250]  
Lohse, Jon [280]  
Lombardo, Umberto [69]  
Longstaff, Laura [343]  
Longstaffe, Fred [113]  
Lopez, Xulieta [253]  
Lopez Bejarano, Jose Maria [183]  
Lopez Bravo, Roberto [191]  
López Bravo, Roberto [37]  
Lopez Corral, Aurelio [112]  
López J., Julieta Margarita [112]  
Lopez Mestas Camberos, Martha Lorenza [189]  
López Zárate, José Leonardo [83]  
López-Forment, Angélica [293]  
Lopez-Hurtado, Enrique [285]  
López-Hurtado, Enrique [285]  
Lopez-Johnson, Amber [302]  
Lopinot, Neal [280]  
Lopiparo, Jeanne [161]  
Loren, Diana [338]  
Loring, Stephen [73]  
Losey, Ashley [23]  
Losey, Robert [53]  
Lothrop, Jonathan [211]  
Loubser, Johannes [248]  
Louderback, Lisbeth [148], [207]  
Loughlin, Michael [279]  
Loughmiller-Cardinal, Jennifer [319]  
Love, Michael [279]  
Loven, Jeremy [144]  
Lovett, Bobbie [14]  
Lovis, William [73], [229], [261]  
Lowe, John [258]  
Lowe, Lynneth [253]  
Lowery, Darrin [114]  
Lowry, Justin [153]  
Lowry, Sarah [157], [196]  
Lozada, Maria [11], [25], [203]  
Lozada, Maria Cecilia [38]  
Lozano, Stephanie [319]  
Lozny, Ludomir [288]  
Lubberts, Zachary [295]  
Lubman, David [122]  
Lucas, Virginia [206]  
Lucernoni, Shannon [137]  
Lucero, Lisa [75]  
Ludwig, Larry [79]  
Luhman, Hope [96]  
Lukach, Katherine [3]  
Luke, Matthew [76], [221]  
Lulewicz, Jacob [263]  
Luna Errequerena, Pilar [114]  
Luoto, Miska [201]  
Lupo, Karen [40], [73]  
Luther, Joseph [14]  
Luthern, Megan [257]  
Luzzadder-Beach, Sheryl [17], [123], [330]  
Lyall, Victoria [120]  
Lycett, Stephen [26]  
Lycett, Stephen J. [193]  
Lyle, Robin [141]  
Lyman, R. [286]  
Lynch, Joshua [217]  
Lynch, Sally [219]  
Lynch, Thomas F. [336]  
Lynnerup, Niels [241]  
Lynott, Mark [82]  
Lyon, Patricia [281]  
Lyons, Natasha [290]  
Lyons, Patrick [321]  
Lytle, Whitney [228], [252]  
Ma, Sai [51]  
Ma, Xiaolin [126]  
Maas, Lauren [169]  
Macadaeg, Gary [266]  
Macdonald, Danielle [149], [236], [335]  
MacDonald, Kevin [108]  
MacDonald, Sarah [316]  
MacEachern, Scott [108], [198]  
MacFarland, Kathryn [92]  
Machado, Lisa [168]  
Macias, Juan Ignacio [60]  
MacIntosh, Sarah [84]  
Mack, Jennifer [155], [241]  
Mack, Stephanie [10]  
Mackay, Alexander [255]  
Mackenzie, Simon [273]  
Mackie, Madeline [90]  
Mackie, Quentin [282]  
MacLellan, Jessica [61]  
Macrae, Scott [302], [335]  
Macri, Martha [193]  
MacWilliams, A. C. [47]  
Madden, Michael [152]  
Madsen, Christian [29]  
Madsen, David [284]  
Madsen, Mark [193]  
Magargal, Kate [207]  
Magdalena, Matczak [241]  
Magee, Peter [67]  
Magennis, Ann [292]  
Magoon, Dane [306]  
Maguire, Brianna [306]  
Mahan, Shannon [13]

- Maher, Lisa [149], [236]  
Mahoney, Shannon [125]  
Majewski, Teresita [100], [151]  
Makarewicz, Cheryl [149]  
Makowski, Krzysztof [19]  
Malainey, Mary [322]  
Maldonado, Antonio [69]  
Maldonado, Blanca [211]  
Maldonado, Doris [161]  
Maldonado, Jesus [316]  
Maldonado, Ronald [18]  
Malhi, Ripan S. [147]  
Malischke, LisaMarie [221]  
Mallegni, Francesco [241]  
Malloy, Kevin [201]  
Malloy, Maureen [96]  
Maloney, Tim [217], [298]  
Maloof, George [288]  
Malpass, Michael [38]  
Manahan, T. Kam [305]  
Mandel, Rolfe [24], [117], [310]  
Mandel, Rolfe D. [280]  
Maniery, Andrea [262]  
Manion, Jessica [153]  
Manne, Tiina [244]  
Mannheim, Bruce [25]  
Manning, Katie [187]  
Manning, Nikki [230]  
Manning, Sturt [200]  
Mannino, Marcello A. [241]  
Mansilla, Josefina [25], [164]  
Manthi, Fredrick [209]  
Manzanilla, Linda [21], [63]  
Manzanilla Naim, Linda R. [25]  
Marabea, Christina [332]  
Maran, Joseph [5]  
Marchand, Grégor [201]  
Marek-Martinez, Ora [97]  
Marin-Arroyo, Ana Belen [246]  
Marinkovich, Erik [137]  
Marino, Marc [123]  
Marino, Matt [173]  
Mark, Robert [156]  
Marklein, Kathryn [28]  
Marks, Anthony [26]  
Marks, Theodore [109]  
Marlowe, Frank [16], [73], [208]  
Marquardt, William [42]  
Marreiros, Joao [116]  
Marreiros, João [116], [201]  
Marsh, Anke [257]
- Marsh, Ben [41]  
Marsh, Laura [19]  
Marshall, Charla [147]  
Marshall, Maureen [20], [291]  
Marshall, Michael [276]  
Martin, Debra [28], [64], [67], [126]  
Martin, Erik [132]  
Martin, Fabiana María [201]  
Martin, Lana [140]  
Martin, Louise [149]  
Martin, Paul [283]  
Martin, Terrance [53]  
Martindale, Andrew [173], [290]  
Martindale Johnson, Lucas [123], [249]  
Martinez, Antoinette [306]  
Martinez, Desiree [142]  
Martinez, Eva [197]  
Martinez, Gustavo [6]  
Martinez, Jupiter [200]  
Martinez, Kelsie [240]  
Martinez, Marco [47]  
Martinez, Philippe [154]  
Martinez, Silvia [112]  
Martinez, Valentina [11], [103], [104]  
Martínez, Estela [253]  
Martínez, Gustavo [69]  
Martínez, Jorge [93]  
Martínez, Jorge G. [287]  
Martínez, Mahinda [336]  
Martínez, Pablo [200]  
Martínez Galicia, Marco Antonio [144]  
Martínez Lara, Mario [293]  
Martínez-Muñiz, Isabelle [305]  
Martinez-Yrizar, Diana [63]  
Martirosyan - Olshansky, Kristine [20]  
Marwan, Norbert [201]  
Marwick, Ben [214], [298]  
Maschner, Herbert [246]  
Masini, Nicola [295]  
Masinton, Anthony [107]  
Mason, Ashley [137]  
Masson, Marilyn [52], [113], [158], [337]  
Masucci, Maria [19]  
Mata-Miguez, Jaime [291]  
Mata-Míguez, Jaime [93]  
Mathers, Clay [276]  
Mathews, Darcy [160]  
Mathews, Jennifer [330]
- Mathews, Ruth [169]  
Mathiowetz, Michael [339]  
Mathwich, Nicole [119]  
Matisoo-Smith, Lisa [286]  
Matsumoto, Go [27]  
Matternes, Hugh [155]  
Matternes, Hugh B. [155]  
Mauldin, Raymond [265]  
Mauldin, Raymond P. [103]  
Mauricio, Ana [245]  
Maus, Mathew [139]  
Mavko, Jonathan [105]  
Mavroudas, Sophia [103]  
Mawk, E. Joe [156]  
Maxwell, David [192]  
May, J. [232]  
May, Keith [36]  
Mayfield, Tracie [72]  
Mayo Torne, Julia [197]  
Mayro, Linda [151]  
Mazin, Anna [11]  
McAnany, Patricia [31], [57]  
McArdle, Angela [167]  
McBrearty, Sally [209]  
McBride, Alexis [84]  
McBride, Kevin [338]  
McBride, Pamela [18], [294]  
McBrinn, Maxine [202]  
McCafferty, Geoffrey [153], [197]  
McCafferty, Sharisse [153]  
McCaffrey, Tara [148]  
McCall, Grant [109]  
McCane, Carmen [302]  
McCarthy, Elizabeth [44]  
McCarty, Rose [340]  
McClain, Maggie [306]  
McCleary, Alexandra [215]  
McClelland, John [247]  
McClung de Tapia, Emily [63]  
McClung De Tapia, Emily [149]  
McClure, Sarah [246]  
McClure, Sarah B. [300]  
McCool, Weston [6]  
McCormick, Sarah [208]  
McCorvie, Mary [248]  
McCoy, Mark D. [242]  
McCray, Brian [104]  
McCurdy, Leah [107]  
McCutcheon, Patrick [10]  
McDavid, Carol [152]  
McDonald, Erin [300]  
McDonald, Josephine [156]  
McElhoes, Jennifer [315]  
McElrath, Dale [74]

- McEwan, Colin [27]  
McFarlane, William [161]  
McGarry, Ashley [67]  
McGee, Ben [230]  
McGill, Dru [327]  
McGill, Kendall [42]  
McGovern, Thomas [29], [75]  
McGrath, James [66]  
McGraw, Matt [232]  
McGuire, Kelly [166]  
McGuire, Randall [57], [118], [237]  
McIntosh, Brandon [113]  
McKaign, Rachael [285]  
McKeand, Peggy [117]  
McKechnie, Iain [160]  
McKee, Arlo [264]  
McKillop, Heather [85], [123], [138], [154], [177], [233], [330]  
McKinnon, Duncan P. [157]  
McMahon, Kate [111]  
McManamon, Francis [30], [151], [239]  
McNatt, Logan [70]  
McNeil, Cameron [191]  
McNeil, Cameron L [161]  
McNeill, Casey [259]  
McNeill, James [157]  
McNiven, Ian [85]  
McPeek, Kirstie [142]  
McTavish, Rachel [48]  
Meadow, Richard H. [286]  
Means, Bernard [74], [152]  
Medeiros, Melanie [42], [141]  
Medina, C. Lorena [309]  
Medina, Paulo [70]  
Meehan, Pascale [341]  
Mehta, Jayur [177]  
Meier, Holly [109]  
Meier, Jacqueline [236]  
Meierhoff, James [176]  
Meiggs, David [124]  
Meissner, Nathan [123], [147]  
Meijas Pitti, Ismael [105]  
Melgar, Emiliano [103], [253]  
MELGAR, EMILIANO [123]  
Mellars, Paul [71]  
Melton, Mallory A. [260]  
Meltzer, David [24]  
Melville-Mant, Alison [209]  
Menchaca, Victoria [8]  
Méndez Melgar, César [69]  
Mendha, Muhammad Ali [43]  
Mendoza, Rubén [288]  
Mendoza, Zoila [120]  
Mentzer, Susan M. [14]
- Menze, Bjoern [65]  
Mercado-Allinger, Patricia [151]  
Mercier, Simon [191]  
Meredith, Clayton [137]  
Meredith, Steven [165]  
Merewether, Jamie [68], [333]  
Merriman, Christopher [341]  
Mesia, Christian [38]  
Mesoudi, Alex [193]  
Messenger, Erwan [201]  
Messer, Andrea [88]  
Messinger, David [124]  
Metcalfe, Duncan [317]  
Metcalfe, Sarah [158]  
Metz, Brent [161]  
Meyer, Michael [111]  
Meyer, Regina [54]  
Meyer, William [64], [240]  
Meyers, Allan [330]  
Meyers, Katy [36], [258]  
Meyers, Maureen [74], [212]  
Meza-Peñaola, Abigail [143]  
M'Hamdi, Mondher [22]  
Michael, Amy [70], [303]  
Michael, Daniel [209]  
Michel, Robin [125]  
Michelaki, Kostalena [143]  
Micheletti, George [252]  
Mickel, Allison [257]  
Mickwee, Christopher L. [165]  
Middleton, Abigail [250]  
Middleton, William [124]  
Mihailovic, Dusan [278], [310]  
Mihok, Lorena [190]  
Milbrath, Susan [123]  
Milideo, Lauren [208]  
Miljour, Heather [210]  
Millaire, Jean-Francois [113], [157]  
Miller, Ann E. [156]  
Miller, D. Shane [132]  
Miller, Debbie [290]  
Miller, G. Logan [340]  
Miller, Katherine [21], [147], [291]  
Miller, Kevin [165]  
Miller, Kye [18]  
Miller, Melanie [103]  
Miller, Myles [333]  
Miller, Naomi [250]  
Miller, Sarah [152]  
Miller, Vera [65]  
Miller, Virginia [25]  
Miller-Sisson, Misha [319]  
Millhauser, John [124], [205]
- Millhouse, Philip [176]  
Millones, Mario [25]  
Mills, Barbara [184], [202], [243], [338]  
Mills, Blair [146]  
Milne, Brooke [115]  
Minc, Leah [329]  
Minerbi, Joanne [298]  
Mink, Philip [268]  
Minnis, Paul [66]  
Miracle, Rebekah [322]  
Mires, Ann Marie [283]  
Miss, Christian [315]  
Missal, Kele [217]  
Miszaniec, Jason [325]  
Mitchell, Mark [333]  
Mitchell, Spencer [140]  
Mitchem, Jeffrey [276]  
Mixter, David [137]  
Mixter, David W. [137]  
Miyar, Kathryn [291]  
Mizoguchi, Koji [214]  
Moates, Jeff [152]  
Mock, Cary [158]  
Moe, Jeanne [96]  
Moffat, Ian [157]  
Mohanty, Sudarsana [146]  
Mohlenhoff, Kathryn [173]  
Molano, Shaina [105]  
Molinar, Marissa Selena [90]  
Mollenhauer, Jillian [204]  
Moloney, Mike [107]  
Molton, Jada [175]  
Monaghan, G. William [266]  
Monaghan, George [111], [266]  
Moncel, Marie-helene [26]  
Mongeló, Guilherme [129]  
Monnier, Gilliane [26]  
Monroe, J. Cameron [205]  
Monteiro, Patricia [116]  
Monteiro, Patrícia [116]  
Monteleone, Kelly [131], [160]  
Montgomery, Lindsay [141]  
Moodie, Steven [302]  
Moody, John [261]  
Mooney, James [323]  
Mooney, Susan Moorhead [326]  
Moore, Ben [140]  
Moore, Christopher [194]  
Moore, David [276]  
Moore, James [18]  
Moore, Jerry [120], [246]  
Moore, Kaitlyn [159]

- Moore, Katherine [250]  
Moore, Michael [251]  
Moore, Roger [14]  
Moots, Hannah [242]  
Moragne, Steve [172]  
Moragne, Steven [218]  
Morales, Pedro [63]  
Morales, Reinaldo [156]  
Morales-Aguilar, Carlos [227]  
Morales-Arce, Ana [93]  
Moran, Kimberlee [283]  
Morehart, Christopher [70], [124], [205], [331]  
Moreheart, Christopher [143]  
Morell-Hart, Shanti [170]  
Moreno, Meredith [169]  
Moret-Ferguson, Celia [326]  
Morgan, Christopher [23]  
Morgan, Colleen [258]  
Morgan-Smith, Maggie [195]  
Moriarty, Ellen [312]  
Moriarty, Matthew [312]  
Morris, Stacy [317]  
Morrison, Alex [242]  
Morrison, Alex E. [242]  
Morrison, Kathleen [35], [124]  
Morrison, Mick [271], [331]  
Morrow, Julie [327]  
Morrow, Juliet [30], [211]  
Morton, Shawn [107]  
Moses, Victoria [332]  
Moss, Jeremy [119]  
Moss, Madonna [160]  
Motsinger, Thomas [18], [98]  
Mountjoy, Joeseph [140]  
Mountjoy, Joseph [189]  
Mouralis, Damase [249]  
Moyer, Teresa [152]  
Moyes, Holley [70], [277]  
Mraz, Veronica [265]  
Mt. Joy, Kristen [196]  
Mueller, Melissa [173]  
Mueller, Natalie [207]  
Mueller, Raymond [341]  
Muller, Jennifer [126]  
Müller, Noémi S. [332]  
Müller, Romy [241]  
Mullins, Meghan [269]  
Mullins, Patrick [104]  
Mullins, Paul [338]  
Mulrooney, Mara [242]  
Mulville, Jacqui [84]  
Muniz, Ad [68]  
Munoz, Cynthia [265]  
Munoz, Cynthia M. [103]  
Munoz, Lizette [256]  
Munoz, Olivia [67]  
Munoz, Samuel [260]  
Munoz, Vicky [248]  
Munoz, Victoria [199]  
Muñoz, A. Sebastián [206]  
Muñoz Cosme, Gaspar [154]  
Muñoz Villarreal, Andrea [283]  
Munro, Kimberly [150]  
Munro, Natalie [236]  
Munro-Stasiuk, Mandy [305]  
Munson, Cheryl Ann [74]  
Munson, Jessica [193]  
Murakami, Tatsuya [112]  
Murch, Loren [170]  
Murdoch, Matthieu [65]  
Murguia Hernandez, Ana Iris [200]  
Murillo-Herrera, Mauricio [197]  
Muros, Vanessa [104]  
Murphy, John [214]  
Murphy, Michael [126]  
Murphy, Nell [77]  
MURRAY, William [248]  
Murrell, Jesse [7]  
Murrell, Monica [294]  
Murtha, Timothy [52], [295]  
Muschal, Marlis [265]  
Mussner-Lopez, Ruth [328]  
Mutin, Benjamin [329]  
Nadeau, Jaclyn [172]  
Nadel, Dani [65]  
Nado, Kristin [291]  
Nagaoka, Lisa [42]  
Nair, Stella [120]  
Najjar, Mohammad [127]  
Nakakubo, Tatsuo [226]  
Nanavati, William [264]  
Napoli, Janna [270]  
Napora, Katharine [300]  
Naranjo, Tito [194]  
Nareau, Lauren [223]  
Nash, Carole [80], [152]  
Nash, David [58]  
Nash, Donna [110], [203]  
Nash, Lenna [272]  
Nash, Robert [324]  
Nasu, Hiroo [158]  
Nathan, Rebecca [231]  
Natoli, Amelia [210]  
Naudinot, Nicolas [201]  
Nauman, Alissa [76], [175], [290]  
Nava, Sarah [142], [316]  
Nava Blank, Alberto [114]  
Navarro-Farr, Olivia [11], [140], [312]  
Navel, Jeffrey [216]  
Ndanga, Alfred Jean-Paul [40]  
Ndiema, Emmanuel [249]  
Nealis, Stuart [264]  
Neeley, Michael [71]  
Neely, James [91]  
Neff, Hector [19], [174], [250], [277]  
Nehlich, Olaf [175], [242]  
Neiman, Fraser [232]  
Neitzel, Jill [247]  
Neivens, Mary [61]  
Neivens De Estrada, Nina [61]  
Nelson, Ben [21], [66]  
Nelson, Ben A. [200]  
Nelson, Elizabeth [12]  
Nelson, Greg [298]  
Nelson, Margaret [66], [75], [101]  
Nelson, Peter [135]  
Nelson, Shaun [54]  
Nelson, Zachary [88]  
Neme, Gustavo [23], [206], [287]  
Neubauer, Fernanda [129]  
Neusius, Phillip [80], [304]  
Neusius, Sarah [80], [304]  
Neves, Eduardo [100], [243]  
Neves, Eduardo Góes [129]  
Nevins, Jason [13]  
Newlander, Khori [10]  
Newman, Daniella [228]  
Newman, Elizabeth [72]  
Newman, Sarah [162]  
Newton, Anthony [29]  
Neyland, Robert [125]  
Ngandali, Yolona [326]  
Nials, Fred [117]  
Nicholas, George P. [206]  
Nichols, Deborah [275], [311]  
Nichols, Kristi Miller [169]  
Nicodemus, Amy [300]  
Nicolaides Ramsey, Monica [236]  
Nie, Zhongzhi [297]  
Nielsen, Axel [27]  
Nielsen, Jesper [33]  
Nielsen, Michael [29]  
Niespolo, Elizabeth [11], [140]  
Nieuwenhuyse, Olivier [201]  
Nieves, Ana [90]  
Nigra, Ben [146]  
Nigra, Benjamin [105], [146]

- Niquette, Charles [98]  
Nishiaki, Yoshihiro [236]  
Niwa, Etsuko [63]  
Nixon, Sam [108]  
Nixon, Sarah [139]  
Nixon-Darcus, Laurie [4]  
Noack Myers, Kelsey [81]  
Nocerino, Eric [284]  
Noell, Mary [146]  
Nolan, Kevin [172]  
Nold, Kathryn [269]  
Noll, Christopher [225]  
Nomade, Sébastien [249]  
Nondédoé, Philippe [227]  
Nonestedt, Mark [155]  
Nordine, Kelsey [30]  
Nordt, Lee [114]  
Norgon, Kate [105]  
Norman, Garth [322]  
Norman, Lauren [160]  
Norman, Scotti [256]  
Norris, Stephen [45]  
Novelo Rincon, Gustavo [195]  
Novo, Alexandre [157]  
Novotny, Anna [21], [64]  
Novotny, Claire [198]  
Nowell, April [115], [223]  
Nuevo Delaunay, Amalia [69]  
Núñez Aparcana, Bryan [105]  
Nuñez Flores, Claudia [256]  
Nuñez-Cortés, Yajaira [113]  
Nyaradi, Zsolt [102], [241]  
Nycz, Christine [79], [220]  
Nyers, Alex [77]  
Nygard, Travis [309]  
Nyman, James [231]  
Nystrom, Kenneth [126]  
OBoyle, Robert [77]  
O'Boyle, Robert [50]  
O'Boyle, Virginia [77]  
OBrien, Lauren [344]  
O'Brien, Matthew [16]  
O'Brien, Michael [193]  
O'Brien, Michael J. [315]  
Ochoa-Winemiller, Virginia [190]  
O'Connell, James [282]  
O'Connor, Heather [35]  
Oda, Noriyoshi [223]  
Odegaard, Nancy [336]  
ODonnell, Sarah [11]  
Oetelaar, Gerald [159]  
Offenbecker, Adrienne [144]  
Ogata, Nisao [305]  
Ogburn, Dennis [121]  
Ogiogwa, Joan-Mary [58]  
O'Gorman, Jodie [306]  
O'Grady, Patrick [148], [324]  
O'Hara, Michael [66]  
O'Keefe, Brendan [340]  
Okumura, Mercedes [69]  
Oland, Maxine [338]  
Olguin, Ivan [238]  
Olsen, Erica [314]  
Olszewski, Deborah [236]  
OMansky, Matt [191]  
Omay, Barbara [140], [189]  
O'Meara, Carolyn [73]  
Ongwen, D [17]  
Oram, Richard [29]  
Orange, Marie [249]  
Oré, Gabriela [19]  
Ore Menendez, Gabriela [188]  
Orijemie, Emubosa [40]  
ORourke, Mike [165]  
O'Rourke, Laura [204]  
Orozco, Joseph [70]  
Orrego Corzo, Miguel [253]  
Orser, Charles [118]  
Ortega-Cabrera, Veronica [293]  
Ortegon Zapata, David [158]  
Ortegón Zapata, David [195]  
Ortiz Diaz, Edith [293]  
Ortiz Ruiz, Maria [319]  
Ortiz Vallejos, Jose Raul [312]  
Ortman, Scott [289]  
Ortman, Scott G. [333]  
Osborne, Daniel [79]  
Oscar Daniel, Llanos Jacinto [146]  
Osorio, Daniela [23]  
Osterholt, Amber [272]  
Osterholtz, Anna [28], [67], [241]  
Osterhoudt, Curtis [290]  
Otaola, Clara [23], [206]  
Otero, Francisco J. [63]  
Otis Charlton, Cynthia L. [72]  
Ottenhoff, Randy [334]  
Otto-Btiesner, Bette [13]  
Overholtzer, Lisa [179], [291], [293]  
Owlett, Tricia [51], [235]  
Ownby, Mary [117]  
Owoc, Mary Ann [270]  
Paap, Iken [195]  
Pacheco Arias, Leobardo [238]  
Pacifico, David [59]  
Pack, Crista [336]  
Padilla Gutiérrez, Eliseo F. [128]  
Pagliaro, Jonathan [311]  
Pailes, Matt [210]  
Pailes, Matthew [200]  
Paixao, Eduardo [116]  
Paixão, Eduardo [116]  
Paiz Aragon, Lorena [197]  
Paja, Laszlo [222]  
Palacios-Fest, Manuel [267]  
Palek, Cory [172]  
Paling, Jason [153], [311]  
Palka, Joel [72]  
Pallan Gayol, Carlos [195]  
Pallán Gayol, Carlos [319]  
Palmison, Molly [109]  
Palomo, Antoni [22]  
Palumbo, Scott [197]  
Pan, Feifei [42]  
Pan, Yan [99]  
Panakhyo, Maria [28]  
Panich, Lee [119], [338]  
Pantoja, Raul [195]  
Papadimitriou, Alkestis [5]  
Papadopoulos, Nikos [318]  
Papathanasiou, Anastasia [332]  
Pappas, Christina [263]  
Parditka, Gyorgyi [222]  
Parditka, Györgyi [222]  
Paredes-Umaña, Federico [161]  
Parezo, Nancy [202]  
Parfitt, Anne [10]  
Pargeter, Justin [255]  
Paris, Elizabeth [37], [191]  
Parish, Ryan [211]  
Park, Robert [115]  
Parker, Bradley [6], [56], [198]  
Parker, Evan [88]  
Parker, Evan A. [224]  
Parker, Megan [70]  
Parkinson, William [310], [332]  
Parkyn, Andrew [157]  
Parris, Caroline [167]  
Parsons, Erin [121]  
Parsons, Jeffrey [34], [150]  
Pascal, Camila [293]  
Pastrana, Alejandro [30], [72]  
Patch, Shawn [157], [196]  
Patel, Shankari [33]  
Paterson, Alistair [244], [331]  
Patil, Lokesh [289]  
Patiño, Alejandro [227]  
Patrello, Ralph [106]

- Pattee, Donald [166]  
Patterson, Erin [93], [312]  
Patterson, Thomas [118]  
Patterson, Winona [42]  
Patton, John [284]  
Pauketat, Timothy [145]  
Paul, Kathleen [291]  
Pavao-Zuckerman, Barnet [119]  
Pawlowicz, Matthew [58]  
Pawn, Ian [291]  
Payne, Claudine [30]  
Pazan, Kyra [310]  
Pazmino, Estanislao [57]  
Peacock, Evan [165]  
Peacock, Sandra [173]  
Pearsall, Deborah [39], [250]  
Peate, David [102]  
Peau, Tish [242]  
Pechenkina, Ekaterina [126]  
Pedersen, Jeannine [68]  
Pedler, David [342]  
Pedler, DR [69]  
Peelo, Sarah [119]  
Peeples, Matt [202]  
Peeples, Matthew [333]  
Peeters, Hans [229]  
Peiró Vitoria, Andrea [154]  
Pelegrin, Jacques [254]  
Peles, Ashley [260]  
Pellegrini, Evan [148]  
Pena, Angel [43]  
Pena, Felicia [303]  
Pendergast, David [72]  
Peniche May, Nancy [252]  
Peraza, Carlos [52]  
Pereira, Gregory [21]  
Pereira, Telmo [116], [201]  
Pereira, Vera [278]  
Peres, Tanya [53], [192]  
Perez, Kelita [146]  
Perez Robles, Griselda [312]  
Perez-Juez, Amalia [300]  
Pérez-Juez, Amalia [332]  
Perkins, Carrie [319]  
Perkins, Stephen [79]  
Perrin, Thomas [201]  
Perrot-Minnot, Sébastien [191]  
Perry, Jennifer [246]  
Perry, Megan [13], [283], [301]  
Perttula, Timothy K. [30]  
Pestle, William [269]  
Peter, Veth [244]  
Peters, Ann [336]  
Peterson, Elizabeth [144]  
Peterson, Jane [71]  
Peterson, John [237]  
Peterson, Veronica [172]  
Pett, Daniel [36]  
Pevny, Charlotte [308]  
Pezzutti, Florencia [21], [154], [337]  
Pfeiffer, Susan [186]  
Phelps, Danielle [43]  
Philip, Graham [75]  
Phillips, Bill [33]  
Phillips, Erin [327]  
Phillips, Harriet [277]  
Phillips, Paige [140]  
Philmon, Kendra [153]  
Picard, Jennifer [264], [340]  
Picha, Paul [265]  
Pickering, Robert [189]  
Pierce, Daniel [339]  
Pierson, Stacey [194]  
Pijoan, Carmen [25], [164]  
Pike, Matthew [266]  
Pikirayi, Innocent [145]  
Pilco Vargas, Rene [105]  
Pilles, Peter [247]  
Pilliard, Sarah [186]  
Pilloud, Marin [291]  
Pinkey-Drobnis, Aurora [158]  
Pintar, Elizabeth [93], [287]  
Pinto Lima, Helena [331]  
Piperno, Dolores [250]  
Pique, Raquel [22]  
Pirtle, Jennifer [179]  
Piscitelli, Matthew [19], [146], [299]  
Pitblado, Bonnie [10], [69], [152], [274], [334]  
Pitblado, Bonnie L. [334]  
Pitezel, Todd [47]  
Pitman, Heidi [22]  
Pittman, Holly [329]  
Placzek, Christa [244]  
Plank, Shannon [305]  
Plannette, Carol [174]  
Plaza, David [101], [322]  
Plemons, Amber [126], [232], [315]  
Plets, Gertjan [215]  
Plew, Mark [334]  
Pluckhahn, Thomas [11], [85]  
Plunger, Elizabeth [203]  
Plunket, Patricia [112], [254]  
Pluta, Paul [264]  
Pohl, John [339]  
Pohl, Mary [156]  
Pohl, Mary D. [128]  
Poirier, Marcela [211]  
Pokines, James T. [223]  
Pokotylo, David [173]  
Politis, Gustavo [73]  
Pollack, David [28], [268], [340]  
Pollard, Dustin [299]  
Pollard, Helen [254]  
Pomedio, Chloé [200]  
Pomédio, Chloé [200]  
Pomfret, James [196]  
Pontzer, Herman [16], [208]  
Pool, Christopher [1], [128], [254], [279]  
Pool, Marilen [336]  
Pope, Melody [263]  
Popejoy, Traci [206]  
Popescu, Gabriel [223]  
Popetz, Kimberley [152]  
Popov, Vladimir [287]  
Popova, Laura [124]  
Porraz, Guillaume [16]  
Porrett, Brian [301]  
Porter, Benjamin [296]  
Ports, Kyle [137], [292], [322]  
Poteate, Aaron [286]  
Potter, Ben [23], [160]  
Potter, David [317]  
Potter, James [194]  
Potter, Jim [119]  
Potts, Daniel [67]  
Potts, Richard [26]  
Poupeau, Gérard [249]  
Powell, Doss [32]  
Power, Torin [137]  
Powis, Terry [123], [252]  
Powis, Terry G. [170]  
Pozorski, Shelia [59]  
Pozorski, Thomas [59]  
Prates, Luciano [6]  
Pratt, William [188]  
Premo, Luke [16], [193]  
Prentiss, Anna [145], [290]  
Prentiss, Anna M. [175]  
Prentiss, Anna Marie [175], [193], [290]  
Prescott, Catherine [76]  
Preucel, Robert [296]  
Prewitt, Elton [199]  
Prezzano, Susan [239]  
Price, Matthew [322]  
Price, Max [84]  
Price, T. Douglas [21], [303]  
Prieto, Gabriel [245]  
Prieto, Oscar [245]

- Prince, Paul [325]  
Prins, Adam [65]  
Prociuk, Nadya [89]  
Proctor, Terren [278]  
Profitt, Tomos [255]  
Protzen, Jean-Pierre [120]  
Prufer, Keith [33], [138], [277], [337], [341]  
Puckett, Neil [225]  
Pugh, Timothy [147]  
Pugliese, Francisco Antonio [129]  
Puig Castell, Jordi [105]  
Pullen, Daniel [332]  
Punkie, Michele [117]  
Punzo, Jose Luis [339]  
Punzo Díaz, José Luis [140]  
Purdue, Louise [149]  
Purser, Margaret [134]  
Putsavage, Kathryn J. [43]  
Putsavage, Katy [66]  
Pyburn, Anne [240]  
Pyburn, James [158]  
Pye, Jeremy [155]  
Qin, Zhen [51]  
Quates, E.W. Duane [54]  
Quave, Kylie [121], [231]  
QUESADA, OCTAVIO [62]  
Quick, Russell [196]  
Quinlan, Angus [282]  
Quinn, Allen [342]  
Quinn, Colin [20], [153], [311]  
Quintana Owen, Patricia [164]  
R. Segura, Oliva [336]  
Rabbysmith, Steve [117]  
RabbySmith, Steve [125]  
Racila, Ana-Monica [241]  
Raczek, Teresa [35]  
Radde, Hugh [142]  
Rademaker, Kurt [69]  
Radewagen, Erika [242]  
Radovanovic, Ivana [310]  
Rafferty, Janet [216]  
Rafferty, Sean [172], [301]  
Ragsdale, Corey [103], [247]  
Raichlen, David [16], [208]  
Railey, Jim [7]  
Rains Clauss, Lee [97]  
Rakita, Gordon [44], [144]  
Rakita, Gordon F.M. [44]  
Rakita, Nicholas [44]  
Ramage, Lauren [285]  
Ramirez, Susan [245]  
Ramirez, Susana [21]  
Ramirez-Urrea De Swartz, Susana [339]  
Ramon Celis, Pedro [238]  
Ramsey Ford, Dawn [316]  
Randall, Asa [213]  
Randall, Lindsay [202]  
Ranhorn, Kathryn [26]  
Rasmussen, Amanda [304]  
Rasskazov, Sergei [287]  
Rathgaber, Michelle [30]  
Rauch, Rebecca [314]  
Rauscher, Erika [103]  
Rauscher, Taylor [103]  
Rautman, Alison [246]  
Ray, Erin [277]  
Ray, Jack [280]  
Raymond, J. Scott [281]  
Raymond, Tiffany [260]  
Raynal, Jean-Paul [299]  
Rayson, Gary [330]  
Rebellato, Lillian [75]  
Redmond, Brian [48], [172]  
Reed, Lori [56]  
Reed, Paul [18], [56], [294]  
Reeder-Myers, Leslie [77]  
Reedy, Chelsea [208]  
Reese, Ashante [64]  
Reese, Kelsey [289]  
Reese-Taylor, Kathryn [61], [123]  
Reeves, Matthew [152]  
Regnier, Amanda [240], [327]  
Rehren, Thilo [211]  
Reichel, Clemens [329]  
Reid, Chardé [77]  
Reid, Elizabeth [138]  
Reid, Jefferson [32]  
Reilly, Frank [251]  
Reindel, Markus [154]  
Reiser, Marcy [265]  
Reiser Robbins, Christine [168]  
Reitz, Elizabeth [250]  
Reitez, William [43], [166]  
Remondino, Fabio [154]  
Rendu, William [16]  
Reneau, Brittany [104]  
Renfrew, A [249]  
Renfrew, Colin [249]  
Renninger, Sasha [273]  
Renouf, M.A.P [325]  
Reunert, Toke [33]  
Revay, Zsolt [13]  
Reveles, Javier [21]  
Reyes, Antonio [200]  
Reyes, Omar [69]  
Reynolds, Cerisa [206]  
Reynolds, Richard [32]  
Rheume, Ernie [18]  
Rhode, David [23], [148]  
Rhodes, Jill [140], [189]  
Rice, Erin [84]  
Rice, Jennifer [265]  
Rice, Prudence [21], [147]  
Rice, Sarah [166]  
Richard, Andrew [166]  
Richard, Francois [194]  
Richards, John [264]  
Richards, Michael [175], [242]  
Richards, Michael P. [241]  
Richards, Patricia [270]  
Richardson, Leesha [209]  
Richardson, Nicholas [219]  
Richards-Rissetto, Heather [154]  
Richter, Kim [62]  
Richter, Tobias [149], [236]  
Rick, John [27], [154]  
Rick, Torben [286], [316]  
Riddle, Andrew [228]  
Rideout, Jennifer [232]  
Ridky, Jaroslav [299]  
Riebe, Danielle [222]  
Riegert, Dorothy [102]  
Riel-Salvatore, Julien [71], [209], [299]  
Rieth, Christina [74], [172]  
Rieth, Timothy [242]  
Riggs, Casey [14]  
Riley, Jenny [139]  
Riley, Tim [334]  
Rinck, Brandy [125]  
Rincon Mautner, Carlos [83]  
Ringberg, Jennifer [219]  
Ringelstein, Austin [142]  
Ringenbach, Paul [119]  
Ringle, William [31], [305]  
Rios, Jorge [238]  
Rios Ortega, Maria del Roble [200]  
Rissolo, Dominique [33], [85], [114], [192]  
Ritchison, Brandon [263]  
Ritenhouse, Jessica [231]  
Rivera, Angel [8]  
Rivera, Mario [57]  
Rivera-Collazo, Isabel [17]  
Rizzo, Florencia [90]  
Robb, John [126]  
Robbins Schug, Gwen [67]  
Roberson, Joanna [316]  
Roberts, Charlotte [241]  
Roberts, Heidi [141], [151], [247], [314], [334]

- Roberts, Samuel [137]  
Roberts, Theodore [304]  
Roberts, Tim [87]  
Robertshaw, Peter [288]  
Robertson, Elizabeth [117]  
Robertson, Ian [63]  
Robertson, Robin [123]  
Robin, Guillaume [248]  
Robinson, David [261]  
Robinson, David R. [36]  
Robinson, Erick [201], [246]  
Robinson, Kenneth [83], [152]  
Robinson, Mark [277]  
Robles Garcia, Nelly [83], [238]  
Robrahn-González, Erika  
Marion [6]  
Rocek, Thomas [321]  
Roche, Hélène [255]  
Rochette, Erick [31]  
Rockman, Marcy [87]  
Rockwell, Heather [133]  
Rockwell, Rae Ann [192]  
Roddrick, Andrew [243]  
Rodgers, Jackie [232]  
Rodning, Christopher [276]  
Rodrigues, Antonia [160]  
Rodriguez, Daniel [199]  
Rodríguez, Alexis [146]  
Rodríguez, Bernardo [63]  
Rodríguez, Daniela [200]  
Rodríguez Ramos, Reniel [269]  
Rodríguez Zariñán, Nora [200]  
Rodríguez Zariñán, Nora [200]  
Rodríguez-Alegría, Enrique [291]  
Roepe, Kelsey [13]  
Roffers, Molly [102]  
Rogers, Alexander [287]  
Rogers, Jerry [151]  
Rogoff, David [49]  
Rojas Vega, Carol [245]  
Roksandic, Ivan [269]  
Roman Ramos, Israel [8]  
Roman-Lacayo, Manuel [197]  
Roman-Ramírez, Edwin [227]  
Romero, Danielle [32]  
Romero, Danielle M. [43]  
Romero, Susagna [22]  
Roney, John R. [47]  
Rooney, Clete [213]  
Roos, Christopher [149], [242]  
Roosevelt, Anna [282]  
Roosmarie, Vlaskamp [153]  
Root-Garey, Emily [119]  
Roper, Donna [220]  
Rorabaugh, Adam [173]  
Roscoe, Paul [288]  
Rose, Jeffrey [26]  
Rosen, Arlene [17], [236]  
Rosen, Steven [17]  
Rosenberg, Dani [65]  
Rosenberg, J. Shoshana [173]  
Rosenwig, Robert [118], [197], [337]  
Rosenthal, Jeff [125]  
Rospigliosi-Campos, Cristina [150]  
Rossen, Jack [342]  
Rossi, Franco [3]  
Rostoker, Arthur [281]  
Roth, Aaron [79]  
Roth, Barbara [32], [43], [66]  
Rothaus, Richard [328]  
Rothhammer, Francisco [23]  
Rothschild, Nan [168]  
Rouse, Lynne [20]  
Roush, Cody C. [269]  
Rousseau, Vincent [58]  
Rowe, Marvin [156], [199]  
Rowe, Marvin W. [156]  
Rowe, Robert [166]  
Rowe, Roger [266]  
Rowe, Sarah [57]  
Rowland, Joanne [17]  
Roy, Natasha [29]  
Royall, Travis [44]  
Royle, Thomas [206]  
Rubenstein, Meghan [195]  
Rubertone, Patricia [338]  
Rubin, Julio [6]  
Rubio Mora, Albert [156]  
Ruby, Allika [282]  
Rucker, Daniel [18]  
Rucker, Teresa [77]  
Ruiz, Juan [156]  
Runggaldier, Astrid [31], [61]  
Rush, Haley [14]  
Rushton, Elizabeth [158]  
Russ, Jon [156]  
Russell, Bradley [52], [337]  
Russell, Will [43], [66]  
Rutecki, Dawn [240]  
Rutherford, Allen [38]  
Ruuska, Alex [248]  
Ruvalcaba, Jose Luis [253]  
Ruvalcaba Sil, José Luis [253], [293]  
Ruzicka, Denise [32]  
Ryan, Philippa [22], [39]  
Ryan, Susan [333]  
Saage, Ragnar [225]  
Saban, Chantel [148]  
Sabo, George [30], [251], [327]  
Sabol, Donald [13]  
Sacks, Ben [320]  
Sadarangani, Freya [322]  
Sadvari, Joshua [28]  
Safi, Kristin [42]  
Sagebiel, Kerry [302]  
Sager, Rebecca [336]  
Sagstetter, Kelcy [335]  
Sahle, Yonatan [26], [109]  
Sailors, Damion [271]  
Saint Charles, Juan Carlos [336]  
Saintenoy, Thibault [60]  
Sakai, Sachiko [10], [11]  
Salazar, Diego [211]  
Salazar, Lucy [281]  
Saldana, Melanie [33]  
Saldaña, Julio [104]  
Saldaña, Melanie [70]  
Salgado, Silvia [197]  
Salisbury, Roderick [222]  
Sall, Candace [44]  
Sallum, Marianne [76], [323]  
Salomon Salazar, Maria  
Teresa [60], [112]  
Salomón Salazar, Ma. Teresa [112]  
Samei, Siavash [236]  
Sammeth, David [13]  
Sampeck, Kathryn [72], [128]  
Samuel, Haskell [265]  
Sanchez, Carmen [11]  
Sanchez, Guadalupe [339]  
Sánchez, Carlos [147]  
Sánchez, Maureen [197]  
Sanchez Miranda, Guadalupe [24]  
Sanchez Santiago, Gonzalo [293]  
Sand, Christophe [242], [271]  
Sanders, Donald [107]  
Sandor, Jonathan [60], [66]  
Sandoval Mora, Cindy Cristina [140]  
Sandrock, David [302]  
Sandrowicz, Daniel [230]  
Sandweiss, Daniel [69], [85], [245], [250]

- Sanft, Samantha [172]  
Sanger, Matthew [159], [214]  
Sanger, Matthew C. [10]  
Santarelli, Brunella [321]  
Santiago, Emilio [214]  
Santini, Lauren [295]  
Santoro, Calogero [23]  
Santos Ramirez, Marco Antonio [200]  
Sappington, Robert Lee [343]  
Sapula, Anita [148]  
Sara Repetto, Cesar [19]  
Sarris, Apostolos [222]  
Sartori, Michael [337]  
Sasaki, Ken-ichi [226]  
Sassaman, Kenneth [243], [290]  
Satterlee, Ashton [42]  
Sattler Jr., Richard [290]  
Saturno, William [61], [295]  
Saul, Frank [31]  
Saul, Julie [31]  
Saunalauma, Sanna [75]  
Saunders, Michael [341]  
Sauza, Maximiliano [62]  
Savory, Samantha [172]  
Sawchuk, Elizabeth [186]  
Sawyer, Johann [251]  
Sayers, Daniel [118]  
Sayle, Kerry [89]  
Scarborough, Vernon [75], [158]  
Scarbrough, Todd [42], [43]  
Scarre, Chris [122]  
Schaafsma, Polly [334]  
Schaan, Denise [331]  
Schachner, Gregson [202]  
Schaepe, David [134], [173], [290]  
Schaich, Martin [154]  
Schambach, Frank [30]  
Scharf, Elizabeth [23]  
Scharlotta, Ian [163]  
Scheffers, Anja [249]  
Scheffler, Timothy [161]  
Scheiber, Laura [159], [265], [314]  
Scheinsohn, Vivian [90]  
Schele, Elaine [319]  
Schepartz, Lynne [303]  
Scher, Sarah [192]  
Scherer, Andrew [128]  
Schieber de Lavarreda, Cristina [253]  
Schiffer, Michael [328]  
Schilling, Timothy [266], [343]  
Schillinger, Kerstin [193]  
Schipani, Alexandra [13]  
Schlaenger, Sarah [151]  
Schleher, Kari [333]  
Schlichtherle, Helmut [246]  
Schloen, David [65]  
Schmader, Matthew [323]  
Schmaus, Tekla [20]  
Schmid, Magdalena [29]  
Schmidt, Armin [157]  
Schmidt, Chris [207]  
Schmidt, Christopher [194]  
Schmidt, Peter [331]  
Schmitt, Dave [40], [73]  
Schmittner, Robert [33]  
Schneider, Joan [211], [313]  
Schneider, Kent [157]  
Schneider, Tsim [119]  
Schoenbrun, David [243]  
Schoeninger, Margaret [63], [127]  
Schollmeyer, Karen [66]  
Scholnick, Jonathan [193]  
Schon, Robert [89]  
Schortman, Edward [128], [161]  
Schott, Amy [264]  
Schoville, Benjamin J. [209]  
Schreg, Rainer [246]  
Schreiber, Katharina [27]  
Schroder, Whittaker [311]  
Schroeder, Jessy [234]  
Schroeder, Sissel [260]  
Schroedl, Gerald F. [196]  
Schuermann, Ryan [200], [322]  
Schuldenrein, Joseph [17], [71], [117]  
Schultz, John [102]  
Schultze, Carol [194]  
Schulze, Luke [77]  
Schumacher, Jennifer [261]  
Schurr, Mark [157], [303]  
Schurr, Theodore [69]  
Schwake, Sonja [335]  
Schwabenberg, Megan [12]  
Schwarz, Henry [127]  
Schwartz, Adam [16]  
Schwartz, Lauren E. [110]  
Schwartz, Mark [329]  
Schwindt, Dylan [289]  
Scott, Ann [33]  
Scott, David [104]  
Scott, Douglas [82]  
Scott, Jannie [169]  
Scott, Mary Katherine [9], [330]  
Scott, Rachel [296]  
Scott Cummings, Linda [39], [207], [267], [314]  
Scullin, Dianne [122]  
Seager-Boss, Fran [173]  
Seah, Ian [244]  
Sealy, Judith [26]  
Searcy, Michael [47]  
Sears, Erin [128]  
Sebastian, Lynne [151], [304]  
Sedar, Dena [334]  
Sedig, Jakob [66]  
Seidel, Andrew [291]  
Seidemann, Ryan [270], [283]  
Seifried, Rebecca [36]  
Seinfeld, Daniel [276]  
Sejas Portillo, Alejandra [231]  
Selden, Jr., Robert Z. [30]  
Seligson, Kenneth [195]  
Sellet, Frédéric [206]  
Semon, Anna M. [10]  
Senn, Matthew [301]  
Seowtewa, Octavious [159]  
Seppä, Heikki [201]  
Sereno-Uribe, Juan [8], [140]  
Sereuya, Dalantai [92]  
Serra Puche, Mari Carmen [112]  
Seufer, Katherine [200]  
Sever, Thomas [295]  
Severs, Matthew [341]  
Seymour, Deni [198]  
Seymour, Elizabeth [262]  
Sgarlata, Cosimo [218]  
Shafer, Harry [31], [66], [292]  
Shaffer Foster, Jennifer [94]  
Shakour, Katherine [259]  
Shakour, Katie [259]  
Shankel, Sarah [173]  
Sharapov, Denis [20]  
Sharma Ogle, Mini [326]  
Sharon, Gonen [26]  
Sharp, Emily [105]  
Sharp, Kayleigh [104]  
Sharp, Robert [251]  
Sharpe, Ashley [113]  
Sharpe, Sarah [68]  
Sharratt, Nicola [19], [203]  
Shea, John [26]  
Shea, Rachel [105]  
Shearn, Isaac [124]  
Sheets, Payson [194]  
Shegesha, Benjamin [331]  
Sheldon, Craig [276]  
Shelley, Steven [45]

- Shelton, Christopher [109], [209]  
Shelton, Jo-Ann [162]  
Shelton, Rebecca [70]  
Shennan, Stephen [187]  
Shepardson, Britton [152]  
Shephard, Christopher [338]  
Sheppard, Peter [67]  
Sheptak, Rus [190]  
Sherwood, Sarah [299]  
Sherwood, Sarah C, [207]  
Shibata, Koichiro [27]  
Shigekawa, Andrés [336]  
Shimada, Izumi [27], [103]  
Shimek, Rachael [132]  
Shiratori, Yuko [147]  
Shoberg, Marilyn [318]  
Shock, Myrtle [246]  
Sholts, Sabrina [143]  
Short, Laura [43]  
Shott, Michael [255]  
Showalter, Stephanie [172]  
Shrestha, Ramesh [337]  
Shurack, Nikki [18]  
Siegel, Peter [250]  
Sierra-Sosa, Thelma [192]  
Sievert, April K. [74]  
Silliman, Stephen [338]  
Sills, E Cory [138]  
Sills, E. Cory [177], [330]  
Silva, Jorge [281]  
Silva, Rosicler [6]  
Silva Collins, Gabriel [285]  
Silva De La Mora, Flavio [227]  
Simek, Jan [248]  
Simmons, Alan [71], [332]  
Simmons, Scott [57]  
Simon, Arleyn [182]  
Simon, Katie [55], [154], [322], [335]  
Simonia, Irakli [90]  
Simpson, Duane [196]  
Simpson, Erik [344]  
Simpson, Ian [29]  
Sims, Ashleigh [300]  
Sims, Christopher [278]  
Sims, Marsha [166]  
Sinclair, Paul [75]  
Singhania, Abhinav [337]  
Singleton, Eric [251]  
Sinopoli, Carla [212]  
Sisk, Matthew [278]  
Sitek, Matthew [27], [104]  
Sitters, Julian [155]  
Skibo, James [322]  
Skidmore, Maeve [15]  
Skinner, Anne [201]  
Skinner, Craig E. [287]  
Skippington, Jane [244]  
Skov, Eric [220]  
Skowronek, Russell [14]  
Slater, Donald [31], [70]  
Slater, Philip [109]  
Slaughter, Mark [77]  
Sload, Rebecca [33]  
Small, David [214]  
Smallwood, Ashley [263]  
Smallwood-Roberts, Cheryl [189]  
Smeltzer, Marion [77]  
Smetana, Debra [266]  
Smiarowski, Konrad [29]  
Smirnov, Oleg [158]  
Smit, Douglas [256]  
Smith, Alexander [332]  
Smith, Benjamin [186]  
Smith, Cecilia [235]  
Smith, Craig [324]  
Smith, David [342]  
Smith, Derek [192]  
Smith, Erika [147]  
Smith, Erin [2], [198]  
Smith, Galen [208]  
Smith, Geoffrey [24], [148]  
Smith, Geoffrey M. [24]  
Smith, Heather [131]  
Smith, Karen [11], [263]  
Smith, Kevin [68], [251], [286], [325]  
Smith, Kirk [230]  
Smith, Lisa [290]  
Smith, Marvin [276]  
Smith, Megan [333]  
Smith, Michael [1], [21], [279]  
Smith, Michele [336]  
Smith, Monica [194], [279]  
Smith, Morgan [315]  
Smith, Ryan [188]  
Smith, Scott [198]  
Smith, Stefanie [233]  
Smith, Stuart [15]  
SMITH, ALEXANDER [300]  
Smyth, Michael [158], [195]  
Snead, James [159], [198]  
Snetsinger, Andrew [335]  
Snitker, Grant [13]  
Snow, Dean [100]  
Snow, Meradeth [247]  
Snow, Susan [119]  
Sobel, Elizabeth [290]  
Sobur, Marta [67]  
Soderland, Hilary [331]  
Sofro, Evan [207]  
Sola, María Fernanda [57]  
Solano, Adam [70]  
Solar-Valverde, Laura [339]  
Solazzo, Caroline [241]  
Solinis-Casparius, Rodrigo [21]  
Solis, Reyna [253]  
Somers, Lewis [157]  
Somerville, Andrew [63]  
Sommer, Caitlin [289]  
Sosa Aguilar, Danny [174]  
South, Katherine [147]  
Span, T'Shwanna [79]  
Spangler, Jerry [43]  
Sparrow, Thomas [335]  
Spaulding, Britta [300]  
Speakman, Jeff [13]  
Speakman, Robert [10], [287]  
Speer, Charles [315], [318]  
Speller, Camilla [160]  
Spenard, Jon [70]  
Spence, Paul [46]  
Spence-Morrow, Giles [59]  
Spencer, Darla [74]  
Spencer, Kaylee [9], [309]  
Spengler, Robert [20]  
Spengler III, Robert [22]  
Speth, John [278]  
Spielmann, Katherine [75]  
Spivey, S. [145]  
Spores, Ron [83]  
Sportman, Sarah [111]  
Springate, Megan [111]  
Springer, Corinne [317]  
Springs, Lauren [103]  
Spurr, Kimberly [247]  
Stahl, Ann [243]  
Stahl, Peter [250]  
Stahle, David [158], [289]  
Staller, John [150]  
Stanchly, Norbert [252]  
Standing Rock Sr., Duncan [77]  
Stanish, Charles [146]  
Stankowski, Cindy [68]  
Stansell, Ann [174]  
Stanton, Jessica [303]  
Stanton, Travis [31], [279]  
Stapleton, Charles [91], [183]  
Stapleton, Maria [183]  
Stark, Barbara [101], [204], [281]  
Starkovich, Britt [201]  
Staurset, Sigrid [58]

- Stawski, Christopher [36]  
Steele, James [16]  
Steele, Laura [46]  
Steelman, Karen [156], [199]  
Steelquist, Robert [136]  
Steinbrenner, Larry [153]  
Stelle, Lenville [248]  
Stellian, Tatiana [285]  
Stemp, Michael [335]  
Stemp, W. James [335]  
Stenton, Douglas [115]  
Stephenson, Keith [263]  
Steponaitis, Vincas [231]  
Sterling, Kathleen [240]  
Sterling, Sarah [286]  
Sterner Miller, Katherine [255]  
Stevens, Nathan [166]  
Stevens Nelson, Erin [260]  
Stevenson, Christopher [287]  
Stevenson, Joseph [305]  
Stewart, Andrew [246]  
Stewart, Caitlin [70]  
Stewart, Haeden [230], [328]  
Stich, Kyle [245]  
Stinchcomb, Gary [209]  
Stiner, Mary [71]  
Sities, Michael [280]  
Stockett Suri, Miranda [161], [296]  
Stöckli, Matthias [122]  
Stodder, Ann [247]  
Stoessel, Luciana [6]  
Stojanowski, Christopher [64], [291], [303]  
Stojanowski, Christopher M. [291]  
Stokes, Robert [32], [66]  
Stoll, Marijke [91]  
Stone, Abigail [205]  
Stone, Jessica [298]  
Stone, Pamela [126]  
Stoner, Edward [115]  
Stoner, Wes [275]  
Stoner, Wesley [37]  
Storey, Rebecca [63]  
Storozum, Michael [51]  
Stott, Jamie [314]  
Stovel, Emily [19], [150]  
Stover, Clair [175]  
Stowe, Michael [137]  
Strapazzon, Guglielmo [157]  
Straus, Lawrence [71], [246]  
Strawhacker, Colleen [60]  
Streeter, Richard [29]  
Striker, Sarah [182]  
Stuart, David [61], [195]  
Sturm, Jennie [155], [196]  
Suarez, Rafael [69]  
SUAREZ, SERGIO [112]  
Suárez, Sergio [60]  
Suda, Yoshimitsu [287]  
Sudbury, J. Byron [280]  
Sugiyama, Nawa [63]  
Sugiyama, Saburo [63], [279]  
Sugrañes, Nuria [11]  
Sulkosky, Rita [210]  
Sulkosky, Rita A. [210]  
Sullivan, Lauren [292]  
Sullivan, Stephanie [157]  
Sullivan, Timothy [120]  
Sundstrom, Linea [156]  
Supak, Karen B. [86]  
Supernant, Kisha [79], [173], [231]  
Surovell, Todd [16]  
Surrovell, Todd [23]  
Sutter, Richard [245]  
Sutton, Elizabeth [68], [334]  
Sutton, Mark [45]  
Sutton, Mary-Jean [157]  
Sutton, Wendy [7]  
Suvrathan, Uthara [35]  
Suyuc-Ley, Edgar [61]  
Suzuki, Shintaro [161]  
Svoray, Tal [65]  
Swanson, Steve [66]  
Swarts, Kelly [99], [207]  
Swartz, Ayme [78], [230]  
Swavely, Ty [137]  
Swenson, Edward [59]  
Szpak, Paul [113]  
Szremski, Kasia [38]  
Szuter, Christine [1]  
Szymanski, Ryan [40]  
Tainter, Joseph [75]  
Takada, Akira [73]  
Talamo, Sahra [241]  
Taliaferro, Matthew [66]  
Tallavaara, Miikka [201]  
Tallbull, Linwood [78]  
Tamanaha, Eduardo [243]  
Tanaka, Yutaka [226]  
Tankersley, Kenneth [158]  
Tanna, Ruchika [228]  
Tantalean, Henry [146]  
Tantaleán, Henry [146]  
Taormina, Kelsey [173]  
Tarrús, Josep [22]  
Tate, Carolyn [62]  
Taylor, Amanda [315]  
Taylor, Ashley [172], [233]  
Taylor, Linda [28]  
Taylor, William [160], [301]  
Teague Tucker, Megan [155]  
Teetelli, Loren [104]  
Teeter, Wendy [142], [316]  
Terradas, Xavier [22]  
Terry, Karisa [223]  
Terry, Richard [252], [295], [305]  
Testa, Taylor [325]  
Testard, Juliette [60], [112]  
Thacker, Paul [299]  
Thakar, HB [68], [284]  
Thatcher, Jennifer J. [287]  
Thebe, Pheno [58]  
Thiel, J. Homer [119]  
Thomas, Andrea [104]  
Thomas, Ben [96], [326]  
Thomas, David [23], [68], [148]  
Thomas, Jonathan [102]  
Thomason, Allison [162]  
Thompson, Amy [138], [337]  
Thompson, Andrew [272]  
Thompson, Andrew R. [272]  
Thompson, Kerry [78]  
Thompson, Kevin [18]  
Thompson, M [247]  
Thompson, Victor [85], [216]  
Thoms, Alston [135]  
Thornton, Erin [113], [286]  
Thornton, Taylor [340]  
Thorsgard, Eirik [136]  
Throgmorton, Kellam [110]  
Thurber, Hali [188]  
Thurston, T. [124]  
Thurston, T.L. [240]  
Tibbits, Tawny [138]  
Tiesler, Vera [21], [25], [164], [303]  
Till, Rupert [122]  
Timmerman, Gayle [13]  
Timon, Marné [325]  
Timpson, Adrian [187]  
Tipon, Nick [135]  
Todd, Larry [109]  
Todd, Lawrence [77], [201], [265]  
Toft, Peter Andreas [15]  
Tokovinine, Alexandre [154]  
TOKOVININE, ALEXANDRE [154]  
Tomaskova, Silvia [240]  
Tomasso, Antonin [16], [201]  
Tomka, Marybeth [237]  
Tomka, Steve [119]  
Toms, P [17]

- Toney, Elizabeth [66]  
Tonko, Juan Carlos [57]  
Toohey, Jason [19]  
Topi, John [44]  
Topping, Peter [82]  
Torres, Josh [213]  
Torres, Joshua [269]  
Torres, Paola [191]  
Torres-Rouff, Christina [143], [150], [303]  
Torvinen, Andrea [200]  
Toscano, Lourdes [195]  
Tostevin, Gilbert [193], [255]  
Towner, Ronald [176], [323]  
Toyne, Jennifer Marla [105]  
Toyne, Marla [28]  
Trabert, Sarah [323]  
Trachman, Rissa [292]  
Trader, Patrick [74]  
Trameri, Andrea [257]  
Trask, Willa [137], [155]  
Traugott, Joseph [202]  
Travina, Anastasiya [336]  
Traxler, Loa [68]  
Trein, Debora [224]  
Treloar, James [104]  
Tremain, Cara [164], [302]  
Tremayne, Andrew [23]  
Triadan, Daniela [61], [252]  
Trimble, Michael [151]  
Trocobbi, Ruth [77]  
Trombold, Charles [200]  
Trombold, Charles D. [322]  
Trouflard, Joanna [234]  
Trout, Lukas [23]  
Trowbridge, Meaghan [294]  
Trubitt, Mary Beth [30]  
Tryon, Christian [26]  
Tschinkel, Khrystyne [241]  
Tserendagva, Dr. Yadmaa [92]  
Tsesmeli, Evangelia [268]  
Tsukamoto, Kenichiro [224]  
Tucker, Tim [70]  
TUMEN, Dashitseveg [41]  
Tune, Jesse [133]  
Tung, Tiffiny [28], [103]  
Tuomey, Joseph [18]  
Turck, John [216]  
Turkon, Paula [200]  
Turner, Andrew [37]  
Turner, Elaine [278]  
Turner, Jocelyn [30]  
Turner, Katie [172], [233]  
Turner, Kelly [77]  
Turner, Michelle [56], [139]  
Turner, Sara [241]  
Turner, Sarah [158]  
Turner-Pearson, Katherine [231]  
Tushingham, Shannon [316]  
Twiss, Katheryn [84], [194]  
Two Bears, Davina [97], [185], [230]  
Tychkowsky, Katie [79], [231]  
Tykot, Robert [102], [249], [287]  
Uc, Enice [52]  
Ugan, Andrew [125]  
Ullah, Isaac [71], [335]  
Ullyott, Stewart [58]  
Ulmer, Austin [252]  
Umbelino, Cláudia [116]  
Unger, Jiri [299]  
Unruh, David [294]  
Upton, Andrew [261]  
Ur, Jason [65]  
Urana, Lauren [336]  
Urban, Patricia [128], [161]  
Urbina, Simón [27]  
Uriarte Torres, Alejandro [112], [130]  
Uribe, Mauricio [19], [27], [121]  
Urquhart, Gerald [261]  
Uruñuela, Gabriela [254]  
Usher, Bethany [291]  
Usherwood, Elizabeth [232]  
Usman, Aribidesi [108]  
Vaarzon-Morel, Petronella [73]  
Vadala, Jeffrey [123]  
Vail, Gabrielle [25], [192]  
Valadez, Raúl [63]  
Valdez, Fred [31], [33]  
Valdez, Jr., Fred [292]  
Valdos, Yanina [275]  
Valdovinos, Victor H. [200]  
Valentin, Frédérique [242]  
Valentine, Benjamin [64]  
Valentínsson, Signe [10]  
Valese, Imma [251]  
Vallejo-Cáliz, Daniel [305]  
Vallieres, Claudine [38]  
van Beynen, Philip [158]  
Van Beynen, Philip [195]  
Van Buren, Mary [121], [256]  
Van Den Bos, Elisha [127]  
Van Der Leeuw, Sander [75], [229]  
van der Plicht, Johan [201]  
Van Dyke, Ruth [237], [333]  
Van Dyke, Ruth M. [77], [110]  
Van Gelder, Leslie [115]  
Van Gemert, Courtney [285]  
Van Gijn, Annelou [22]  
Van Gijseghem, Hendrik [27], [110], [211]  
Van Keuren, Scott [159]  
Van Peer, Philip [26]  
Van Pool, Christine [44]  
Van Pool, Todd [44]  
Van Tilburg, Jo Anne [211]  
Van Voorhis, Laura [103]  
Van West, Carla [202]  
Van Zandt, Tineke [237]  
VanderVeen, James [111], [139]  
VanEssendelft, Willem [295]  
VanPool, Christine [44], [144]  
VanPool, Todd [44], [144]  
VanValkenburgh, Nathaniel [231]  
VanValkenburgh, Parker [245]  
Vargas, Benjamin [119]  
Varien, Mark [194], [289]  
Varney, R.A. [267]  
Vasquez, Augusto [285]  
Vasquez, J. Javi [14]  
Vaughan, Andrew [295]  
Vaughn, Kevin [19], [27], [211]  
Vavrecka, Petr [299]  
Vawser, Anne [77], [343]  
Vázquez, Ricardo [197]  
Vazquez De Agredos Pas-  
cual, María Luisa [164]  
Vega, Marina [253]  
Vehik, Susan [79], [220]  
Veit, Heinz [69]  
Veit, Richard [155]  
Velasco, Matthew [150]  
Velasquez, Erik [61]  
Velchoff, Nancy [318]  
Vellanoweth, Rene [316]  
Vellanoweth, René L. [163]  
Venter, Marcie [128]  
Vera, Jaime [238]  
Verano, John [25]  
Verdugo, Cristina [70]  
Vernon, Kenneth [316]  
Verostick, Kirsten [199], [265]  
Versaggi, Nina [304]  
Veth, Peter [156], [244]  
Vicari, Mary Ann [316]  
Vicente Cruz, Ismael Gabriel [83]  
Vidal, Cinthya [8], [339]  
Vidal Aldana, Cinthya [140]

- Vidal Guzman, Cuauhtemoc [140]  
Vidal Lorenzo, Cristina [154], [164]  
Vidal Montero, Estefania [19]  
Vierra, Bradley [294]  
Vietti, Laura [208]  
Villagran, Victor [316]  
Villagrana Prieto, Citlallitl [60]  
Villalpando, Elisa [293]  
Villalpando Canchola, Maria Elisa [103]  
Villaluenga, Aritz [278]  
Villanueva, Jose [158]  
Viñas Vallverdú, Ramon [156]  
Vincent, Matthew [65]  
Vincent, Monique [127]  
Vines, Patrick [138]  
Vining, Benjamin [34], [295]  
Vogel, Melissa [150]  
Voigt, Eric [211]  
Vokes, Arthur [32]  
Vollmer, Karl [77]  
Volta, Beniamino [52], [319]  
Von Gunter, Sean Cary [132]  
von Nagy, Chris [156]  
von Nagy, Christopher [128]  
von Schwerin, Jennifer [154]  
Von Schwerin, Jennifer [154]  
Voorhies, Barbara [277]  
Voss, Barbara [240]  
Vranich, Alexei [27], [107]  
Vrydaghs, Luc [39]  
Vusovic-Lucic, Zvezdana [278]  
Waber, Nicholas [160]  
Waddington, Clive [17]  
Wagner, Friedrich E. [13]  
Wagner, Mark [74], [248]  
Wagner, Stephen [258]  
Wagner, Ursel [13]  
Wahl, David [158]  
Wahler, Emily [295]  
Wakabayashi, Kunihiko [226]  
Wake, Thomas [320]  
Walde, Keary [323]  
Walder, Heather [10]  
Walker, Chester [155], [157]  
Walker, Chester P. [107]  
Walker, Christopher [16]  
Walker, Danny [155], [334]  
Walker, Debra [123]  
Walker, John [198]  
Walker, Roger [157]  
Walker, Steven [86]  
Walker, William [126], [333]  
Walking, Lauren [79]  
Wallace, Henry [47]  
Wallace, Ian [16]  
Waller, Kyle [144], [247]  
Waller, Kyle D. [44]  
Waller, Steven [122]  
Walling, Stanley [292]  
Wallis, Lynley [22]  
Wallis, Neill [11], [12]  
Wallman, Diane [205]  
Walsh, Matthew [290]  
Walsh, Matthew J. [193]  
Walsh, Megan [341]  
Walter, Tamra [119]  
Walters, Sarah [133]  
Wandsnider, LuAnn [79], [265]  
Wang, Hong [201]  
Wang, Minghui [297]  
Wang, Yanxi [235]  
Ward, Christine [333]  
Ware, Trevor [30]  
Warinner, Christina [83]  
Warmilander, Sebastian [104]  
Warner, Addison [140]  
Warner, Alanna [25]  
Warner, John [285]  
Warner, Vincent [11]  
Warren, Daniel [157]  
Waterman, Anna [102], [241]  
Waters, Michael [24], [114]  
Watkins, Christopher [182]  
Watkins, Joe [97], [304]  
Watkins, Rachel [64], [126]  
Watkinson, Gina [336]  
Watrall, Ethan [215]  
Watson, Adam [42], [113], [335]  
Watson, April [125]  
Watson, Cristina [241]  
Watson, James T. [43]  
Watson, Jessica [172], [218]  
Watson, Patty [66]  
Watson, Rachel [177]  
Wattenmaker, Patricia [205]  
Watters, Margaret [157]  
Watts, Christopher [159]  
Watts, Elizabeth [261]  
Watts, Joshua [101], [208], [229]  
Weaver, Brendan [121], [256]  
Weaver, Eric [158], [195]  
Weaver, Meghan [256]  
Weber, Bret [328]  
Weber, Jill [67]  
Weber, Steven [201]  
Webster, Andrew [259]  
Webster, Andrew J. [72]  
Webster, Chris [258]  
Webster, David [52], [295]  
Webster, Laurie [247], [294]  
Wedding, Jeffrey [230]  
Weets, Jaimin [291]  
Wegener, Robert [210]  
WEI, Dong [102]  
Weinstein, Richard [14]  
Weinstein-Evron, Mina [84]  
Weishampel, John [337]  
Weisman, Russell [327]  
Weisman, Mary [25], [143]  
Welch, Daniel [242]  
Welch, Daniel R. [43]  
Welch, Jacob [305]  
Welch, John [134]  
Welch, John R. [76]  
Welch, Katherine [28]  
Welker, Martin [12]  
Wells, Christian [252], [283]  
Wells, E. Christian [77], [137], [190]  
Wells, Joshua [36], [81]  
Wells, Joshua J. [81]  
Wells, Peter [15]  
Wendrich, Willeke [22], [55]  
Wendt, Carl [192]  
Wening, Karen [18]  
Werkheiser, Marion [98]  
Wernecke, Clark [318]  
Wernecke, D Clark [318]  
Werneke, Clark [334]  
Werner, William [309]  
Werness-Rude, Maline [9], [195]  
Wernke, Steven [34], [188], [256]  
Wesp, Julie [293]  
Wesson, Cameron [327]  
West, Catherine [286]  
Westby, Molly [304]  
Wester Davis, Shaza [44]  
Wexler, Jennifer [181]  
Whalen, Kathryn [215]  
Whalen, Michael [144]  
Whalen, Verity [15], [27]  
Whallon, Robert [73]  
Wheelbarger, Linda [56]  
Wheeler, Kathleen [155]  
Whelan, Carly [316]  
Whitaker, Adrian [282]  
Whitaker, Jason [49]  
White, Andrew [278]

- White, Carolyn [328]  
White, Christine [113]  
White, Devin [289], [337]  
White, Joyce [235]  
White, William [258]  
Whitehead, William [19]  
Whitley, Catrina [247], [268]  
Whitley, David [156], [334]  
Whitley, Tamara [316]  
Whitley, Thomas [229]  
Whitmore, Katie [102]  
Whitridge, Peter [159]  
Whittaker, John [182]  
Whittington, Stephen [83], [152]  
Wholey, Heather [80]  
Wiant, Michael [74]  
Wichlacz, Caitlin [321]  
Wickstrom, Brian [287]  
Widmer, Randolph [63]  
Wiederhold, Jim [217], [315]  
Wienhold, Michelle [36]  
Wiersema, Juliet [120]  
Wieser, Anna [301]  
Wiewall, Darcy [163]  
Wiewel, Adam [13], [256], [322]  
Wiewel, Rebecca [10]  
Wilcox, David [339]  
Wilcox, Michael [135]  
Wilde, James [101]  
Wildt, Jennifer [252]  
Wiles, Gregory [266]  
Wiley, Kevin [111]  
Wilkin, Shevan [103]  
Wilkins, Jayne [209]  
Wilkinson, Patrick [139]  
Wilkinson, Tony [75]  
Willems, Willem [86]  
Willer, David [288]  
Willhite, Brent [44]  
Willhite, Brenton [44]  
Williams, Alexandra [145], [175], [290]  
Williams, Carrie [125]  
Williams, Eduardo [254]  
Williams, John [260]  
Williams, Justin [77]  
Williams, Kimberly [67]  
Williams, Kimberly D. [67]  
Williams, Lana [102]  
Williams, Mark [160]  
Williams, Michelle [152]  
Williams, Nina [72]  
Williams, P. Ryan [19]  
Williams, Patrick [203]  
Williams, Patrick Ryan [38], [121]  
Williams, Stephen [343]  
Williams, Thomas [133]  
Williams, Tom [318]  
Williams, Travis [171]  
Willis, Lauren [320]  
Willis, Mark [107], [199], [237], [248]  
Willison, Megan [172]  
Wills, Wirt [344]  
Wilson, Andrew [335]  
Wilson, Charles [262]  
Wilson, Dean [18]  
Wilson, Gregory [110], [192]  
Wilson, Jeremy [266]  
Winburn, Amanda [103]  
Winchell, Frank [58]  
Winchell-Sweeney, Susan [211]  
Windingstad, Jason [210]  
Windler, Zach [326]  
Windy Boy, Alvin [77]  
Windy Boy, Sr., Alvin J. [50]  
Winemiller, Terance [154], [190]  
Winstead, Christy [42]  
Winter, Amos [17]  
Winter, Jacob [20]  
Winter, Thomas [193]  
Winterhalder, Bruce [194], [316]  
Winter-Livneh, Rona [65], [117]  
Winzenz, Karon [164]  
Wismer-Lanoë, Meredith [206], [320]  
Witmore, Christopher [159]  
Witt, David [56]  
Wix, Elizabeth [272]  
Wobst, H Martin [284]  
Wogau, Kurt [158]  
Woldekiros, Helina [205]  
Wolf, Marc [137], [154], [191]  
Wolff, Christopher [325]  
Wolff, Christopher B. [325]  
Wolff, Nicholas [146]  
Wolfhagen, Jesse [84]  
Wolerton, Steve [42], [206], [230]  
Wolyne, Renata [88]  
Wong, Corinne [280]  
Wood, Brian [16], [208]  
Wood, Catharine [94]  
Wood, Janice [148]  
Wood, Nicholas [260]  
Wood, W [239]  
Woodfill, Brent [128]  
Woodie, Daniel [336]  
Woods, Aaron [32], [66]  
Woods, James [30]  
Woods, Julie [328]  
Woods, William [75]  
Woollett, Jim [29]  
Wopschall, Kayla [223]  
Worley, Katrina [336]  
Worman, F. Scott [87]  
Worth, John [276]  
Worthey, Kayla [207]  
Wragg Sykes, Rebecca [299]  
Wren, Colin [201]  
Wren, Linnea [309]  
Wright, Alice [157]  
Wright, Carrie [53]  
Wright, David [186]  
Wright, Henry [329]  
Wright, Holly [36]  
Wright, Joshua [149], [313]  
Wright, Katherine [84]  
Wright, Lori [126]  
Wright, Patti [327]  
Wright, Rita [35]  
Wriston, Teresa [24]  
Wrobel, Gabriel [70], [335]  
Wu, Xinhua [297]  
Wyckoff, Don [280]  
Wygant, Brian [173], [282]  
Wylde, Michael [53], [206]  
Wyllie, Cherra [62], [192], [204]  
Wynn, Thomas [26]  
Wynne-Jones, Stephanie [108], [145]  
Wysham, Lauren [119]  
Xie, Liye [297]  
Xiuhtecutli, Nezahualcoyotl [275]  
Yadmaa, Tserendagva [211]  
Yaeger, Jason [21]  
Yamada, Kazuyoshi [158]  
Yang, Dongya [160]  
Yang, Dongya Y. [206]  
Yates, Donna [273]  
Yatsko, Andrew [125]  
Yaworsky, Peter [43]  
Yelacic, David [265]  
Yellen, John [1], [26]  
Yepez Vasquez, Zoila [25]  
Yerka, Stephen [36], [81]

- [117], [188], [196]  
Yerka, Steven [81]  
Yerkes, Richard [310]  
Yeshurun, Reuven [84], [109]  
Yeske, Kate [83]  
Yesner, David [282]  
Yezzi-Woodley, Katrina [208]  
Ygnacio-De Soto, Ernestine [68]  
Yi, Jianping [288]  
Yi, Seonbok [71]  
Yoffee, Norman [279]  
Yonenobu, Hitoshi [158]  
Young, Alamea [95]  
Young, Chris [10]  
Young, Craig [125]  
Young, D. Craig [315]  
Young, Lisa [202]  
Young, Ryan [315]  
Young, Tatiana [130]  
Younie, Ashlee [176]  
Yu, Pei-Lin [87], [230]  
Zakrzewski, Sonia [291]  
Zalaquett, Francisca [122]  
Zapata, Lydia [116]  
Zaro, Gregory [89]  
Zarrillo, Sonia [250]  
Zavala, Bridget [72], [200]  
Zavaleta Lucido, Marcos Trinidad [189]  
Zavodny, Emily [300]  
Zawadzka, Dagmara [248]  
Zborover, Danny [37]  
Zeanah, David [244]  
Zedeño, María [194]  
Zedeño, María Nieves [159]  
Zegarra, Michiel [146]  
Zeidler, James [54], [250]  
Zeitlin, Judith [72]  
Zejdlik, Katie [272]  
Zeta Valladolid, María [326]  
Zetina-Gutiérrez, Guadalupe [337]  
Zhang, Minghua [158]  
Zhang, Xu [297]  
Zhao, Hao [51]  
Zhao, Zhijun [99], [250]  
Zhu, Hong [297]  
ZHU, Hong [102]  
Zimmer-Dauphinee, James [318]  
Zimmerman, Larry [30], [135], [185]  
Zimmermann, Emily [40]  
Zimmermann, Udo [19]  
Zobler, Kari [59]

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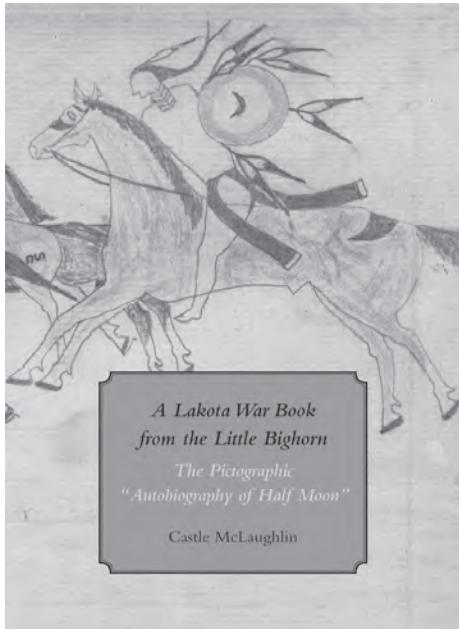
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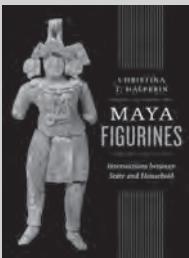
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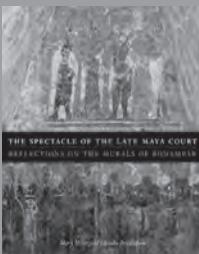
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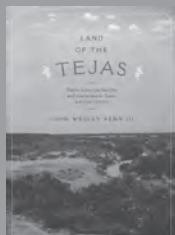
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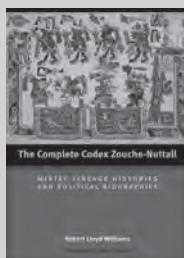
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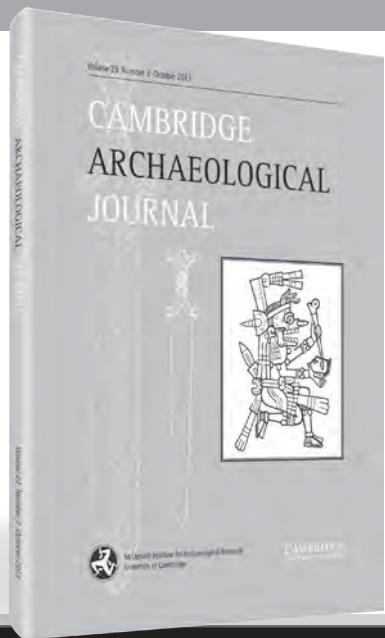
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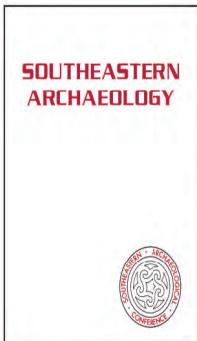
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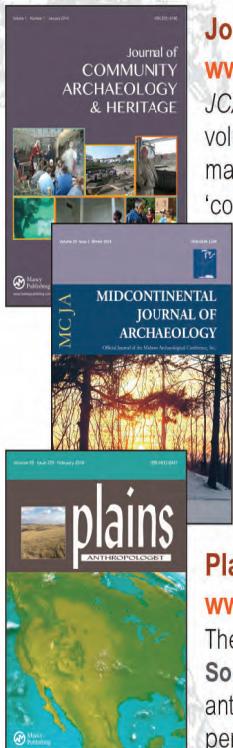
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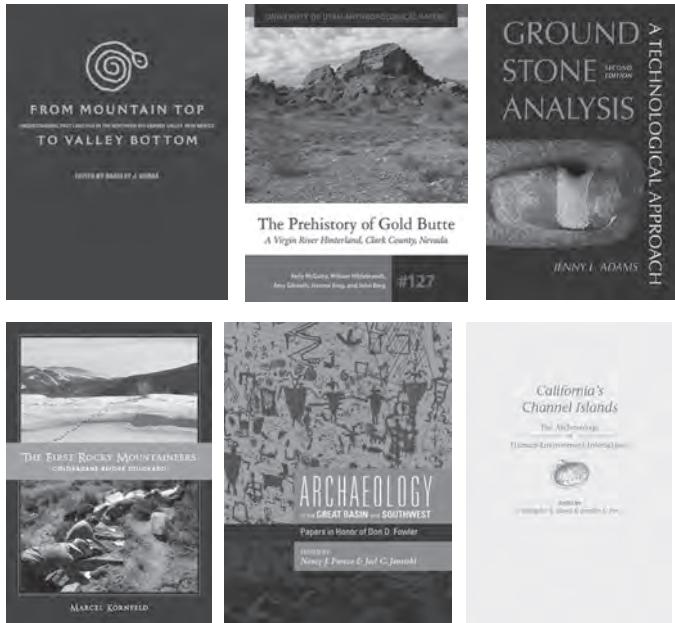
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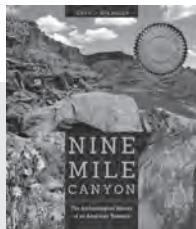
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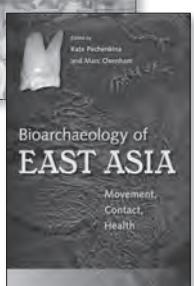
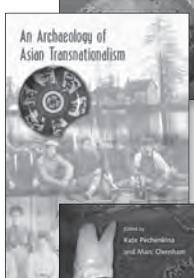
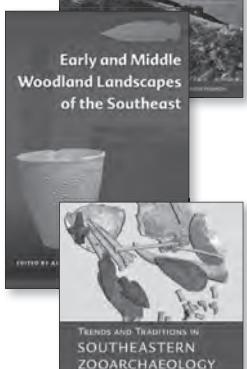
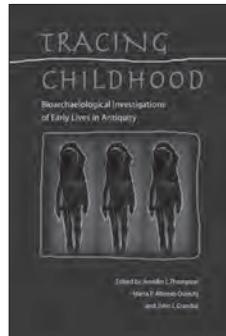
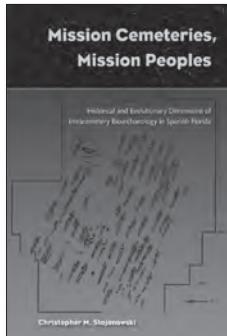
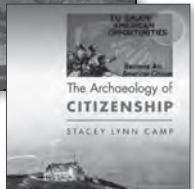
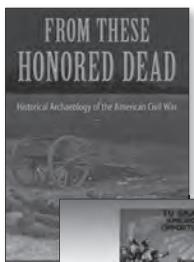
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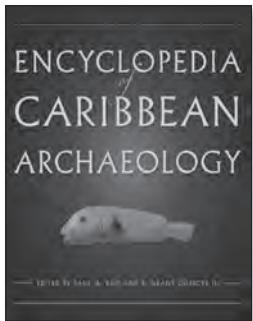
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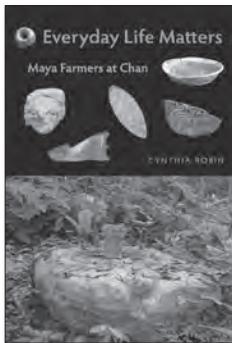
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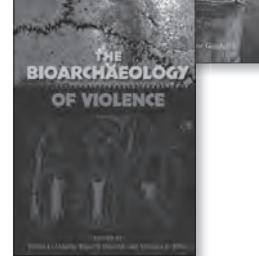
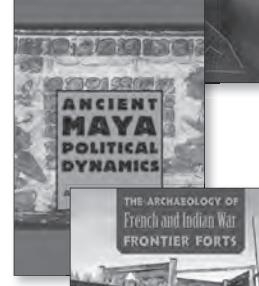
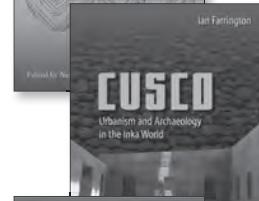
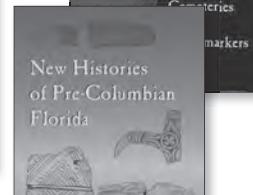
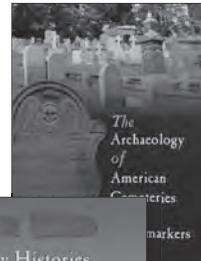
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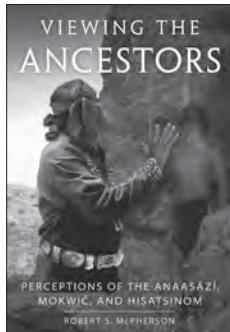
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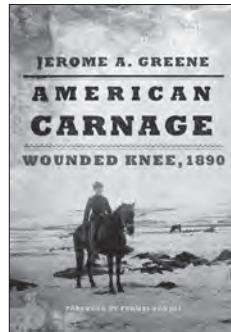
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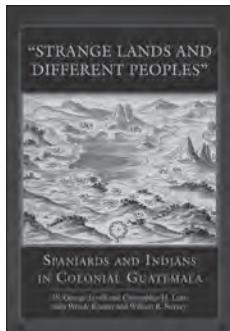




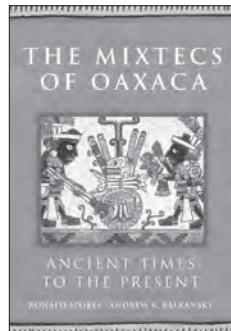
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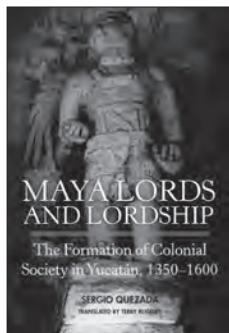
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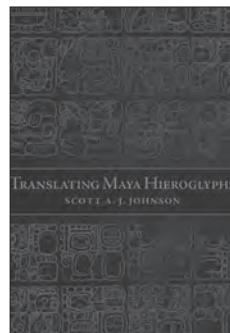
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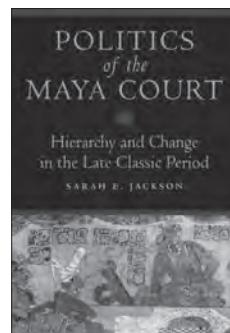
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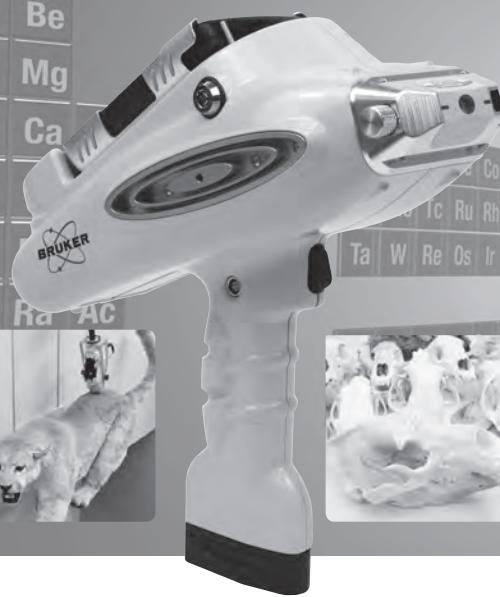
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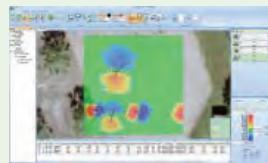
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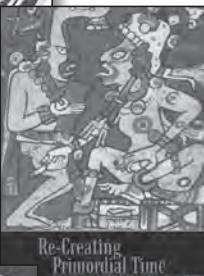
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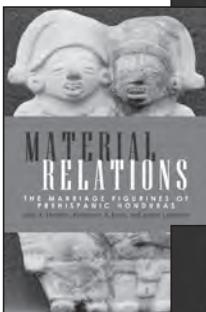


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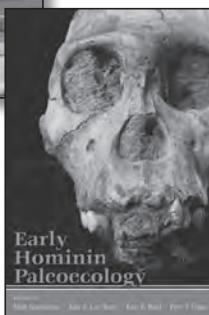


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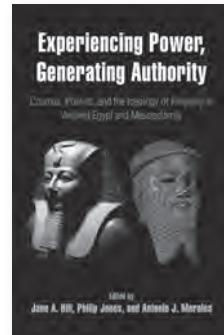
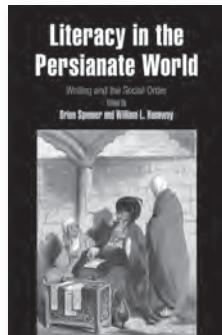
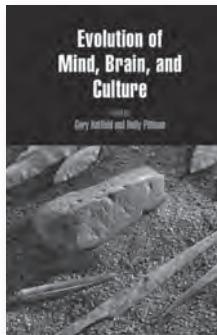
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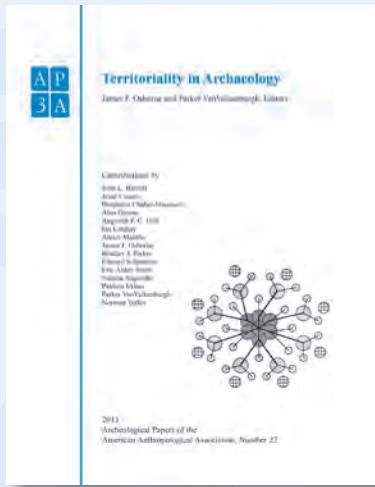
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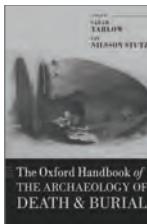
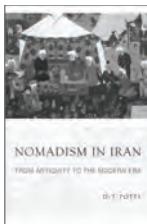
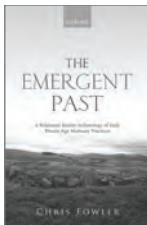
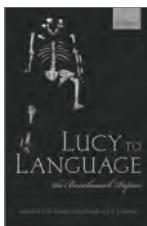
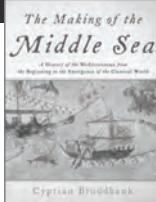
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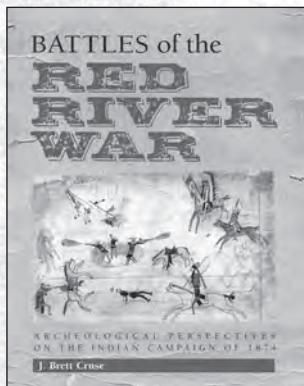
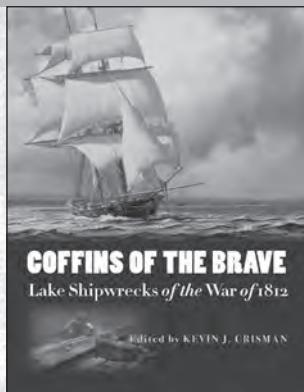
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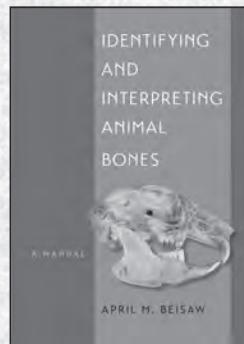
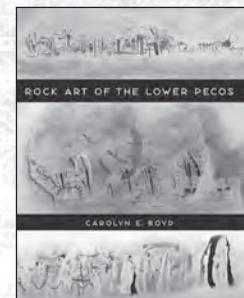
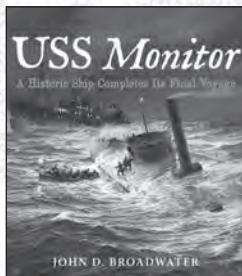
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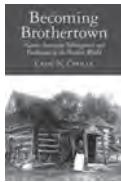
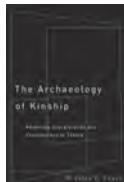


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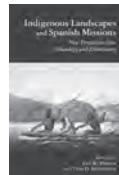
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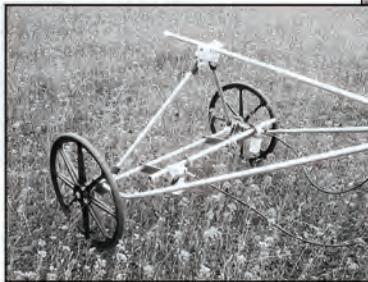
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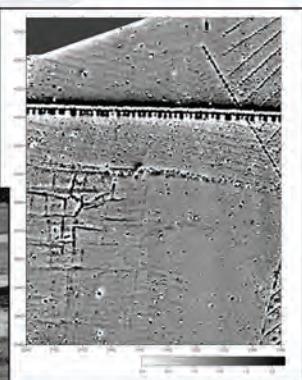
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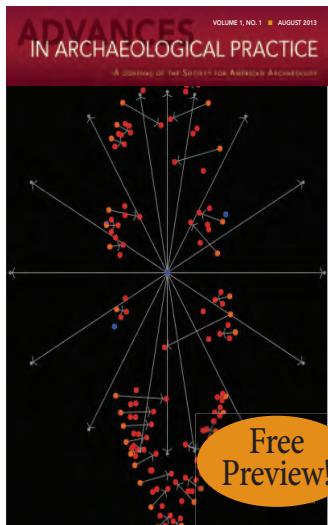
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