

# PROGRAM



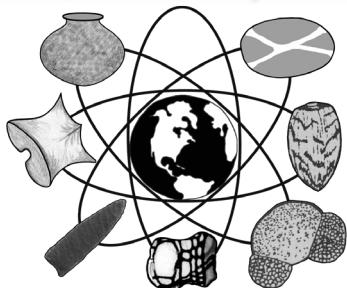
**SOCIETY FOR AMERICAN ARCHAEOLOGY**  
**78<sup>th</sup> Annual Meeting**

April 3–7, 2013 • Honolulu, Hawaii

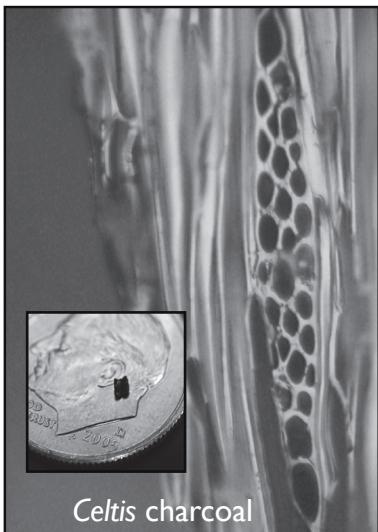


SOCIETY FOR AMERICAN ARCHAEOLOGY

# PALEORESEARCH INSTITUTE, INC.



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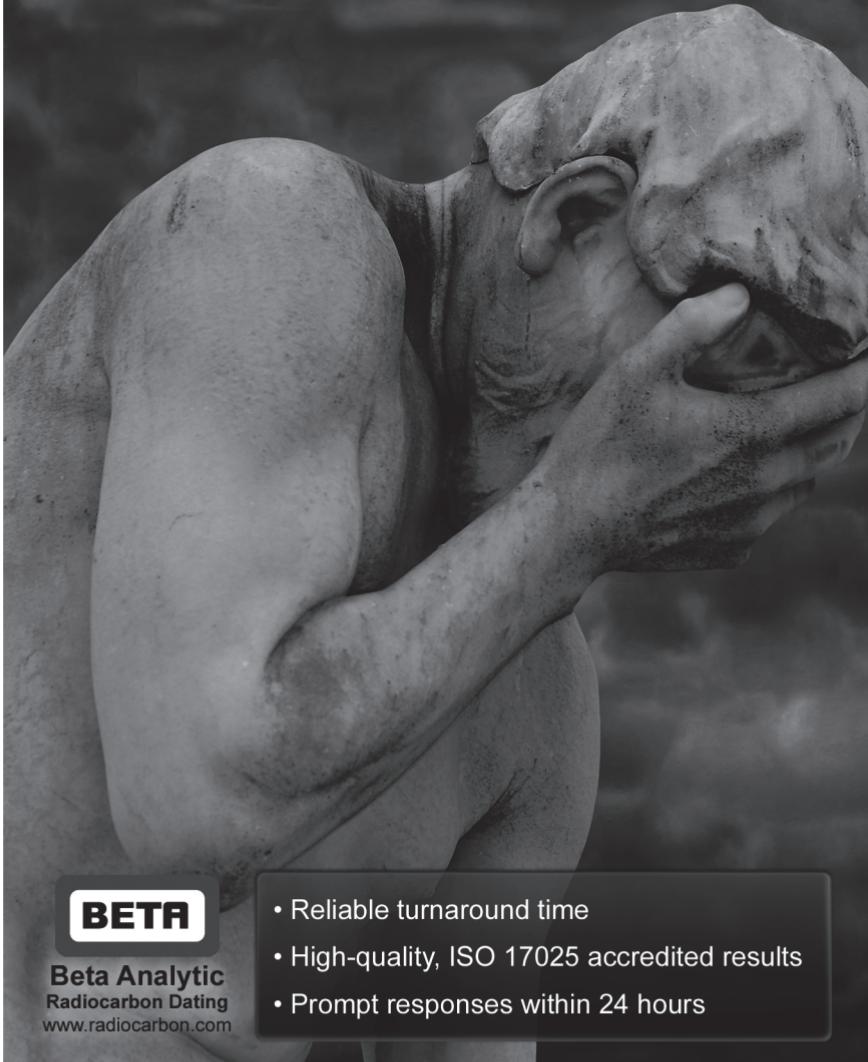
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# **PROGRAM OF THE 78TH ANNUAL MEETING**

**April 3-7, 2013  
Honolulu, Hawaii**



**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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## **Awards Presentation & Annual Business Meeting**

**APRIL 5, 2013**

**5 PM Call to Order**

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

**Remarks**

President W. Fredrick (Fred) Limp

**Reports**

Treasurer Alex W. Barker  
Secretary Janet E. Levy  
Executive Director Tobi A. Brimsek

**5:30 PM Presentation of Awards**

Presidential Recognition Awards  
Gene Stuart Award  
Student Poster 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  
Crabtree Award  
Fryxell Award for Interdisciplinary Research  
Award for Excellence in Latin American and Caribbean  
Archaeology  
Lifetime Achievement Award

**New Business**

**Ceremonial Resolutions**  
**Transfer of Presidential Office**

**Remarks**

President Jeffrey H. Altschul

**6:30 PM Adjournment**

## 2013 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:** Diane Gifford-Gonzalez

The President of the Society for American Archaeology presents this presidential award to Diane Gifford Gonzalez in recognition of her outstanding contributions to the Historically Underrepresented Groups Scholarship (HUGS) program and for her leadership in the development of a high quality proposal from the SAA to NSAF to obtain funding for the program.

### **PRESIDENTIAL RECOGNITION AWARD**

**Recipients:** Susan Kane, Cori Wegener, Tim Melancon, and Serena Bellew  
During the multinational Operation Unified Protector, Libya, there was almost no damage to the country's extraordinary archaeological sites. The preservation of these irreplaceable resources was the direct result of the efforts of a group of individuals. Working closely together, they located and organized information on the sites and provided these to the operations planners. Individuals who played key roles were:

Susan Kane, as an archaeologist with detailed knowledge of Libya, recognized her information could be valuable for military planning in terms of site protection. Prof. Kane took the initiative to work with colleagues around the world to put together and provide a high quality, comprehensive data set.

Cori Wegener was the first serving Monuments Officer since World War II. Her tireless efforts in forming the US Committee of the Blue Shield and in encouraging ratification of the 1954 Hague Convention by the US Senate made possible the network of professionals used to ensure that the information provided by the archaeologists made it to the organizations at Defense and State who could use the information wisely.

Tim Melancon made sure that the cultural property data made it to the critical offices both at US DoD and NATO for operational planning and implementation. Serena Bellew's work on behalf of cultural property protection in her role as the Deputy Preservation Officer at the US Department of Defense has contributed to a climate where the issue is recognized as a critical component for responsible operations in host nation settings.

**PRESIDENTIAL RECOGNITION AWARD****Recipient:** Melinda A. Zeder

The President of the Society for American Archaeology presents this presidential award to Mindy Zeder in recognition of her outstanding contributions in organizing and leading the Society's and other archaeological organizations positive response to the National Geographic television show "Diggers" and for her efforts in organizing the 2012 national meetings presidential forum on archaeology and the press.

**GENE STUART AWARD****Recipient:** Julian Smith

Julian Smith, an award-winning author and writer for *American Archaeology*, has earned the 2013 Gene S. Stuart Award for his responsible and entertaining writing about the fascinating capabilities and inherent problems associated with virtual archaeology. "Virtually Recreating the Past" presents an ethically responsible and engaging view on the new methods being utilized in archaeology and the diverse ways by which both professionals and the public can use and benefit from the technology. His article describes many different virtual methods, including the use of 3D modeling on traditional sod houses in the Canadian arctic, an interactive educational game based on a Russian fur-trading outpost on the Northern California coast, and laser scanning of buildings at the Maya site of Copan. Julian Smith has delivered to the public a well-balanced article detailing the possibilities and benefits of virtual archaeology that all archaeologists can respect.

**DIENJE KENYON FELLOWSHIP****Recipient:** Shoshana Rosenberg**FRED PLOG MEMORIAL FELLOWSHIP****Recipient:** Katherine Dungan**DOUGLAS KELLOGG FELLOWSHIP****Recipient:** Craig Fertelmes**ARTHUR C. PARKER SCHOLARSHIP FOR ARCHAEOLOGICAL TRAINING FOR NATIVE AMERICANS AND NATIVE HAWAIIANS****Recipient:** Rebecca Heidenreich (The Navajo Nation)**NSF SCHOLARSHIPS FOR ARCHAEOLOGICAL TRAINING FOR NATIVE AMERICANS AND NATIVE HAWAIIANS****Recipient:** Alyssa Christine Bader (Alaska Native)**Recipient:** Dylan Ray Jennings (Bad River Band of Lake Superior Ojibwe)**Recipient:** Susan MaryLouise Peone (The Colville Confederated Tribe of Indians)**SAA NATIVE AMERICAN UNDERGRADUATE ARCHAEOLOGY SCHOLARSHIP****Recipient:** Chi R. Woodrich (Bad River Band of Lake Superior Ojibwe)

**SAA NATIVE AMERICAN GRADUATE ARCHAEOLOGY SCHOLARSHIP**

**Recipient:** Davina Two Bears (The Navajo Nation)

**DISSERTATION AWARD**

**Recipient:** Amanda Logan

Dr. Amanda Logan is the 2013 recipient of the Dissertation Award. This clearly written dissertation incorporates archaeological, ethnobotanical, ethnographic, and historical evidence to address change in foodways over the past 1000 years in Banda, west-central Ghana. Counteracting the frequent claim that African societies are in a permanent condition of food deficit, Logan illustrates how the culinary process is indicative of agentive investment at each stage of activity, from farming to cooking to consumption. The "Colombian exchange" brought many new foods to West Africa in particular, some of which appear to have been quite quickly adopted (e.g., tobacco) and others which only became widely used staples under conditions of post-slavery economic stress and British colonial practices of labor management and taxation (e.g., maize). Emphasizing the many stages of decisionmaking in food use, Logan writes eloquently about food and foodways while incorporating theory from a variety of disciplines to discuss the role of memory, gender dynamics, and migrations in creating new culture complexes.

**BOOK AWARD: SCHOLARLY CATEGORY**

**Recipient:** Elizabeth Arkush

Elizabeth Arkush's *Hillforts of the Ancient Andes: Colla Warfare, Society, and Landscape* is the ideal combination of new data and relevant theory with connections and implications for larger anthropological issues of statecraft and warfare. She reviews ethnohistoric evidence on the Colla people of the southern Andes and anthropological literature on warfare before presenting results of her work in data-rich chapters. The use of cutting-edge technologies in aerial survey and GPS mapping complement traditional archaeological techniques and analyses to investigate the placement, building, and motivations for building hillforts. Her comparative chapter on fractured landscapes and fortification presents a model to explain divergent regional histories and trajectories of ancient complex societies based on warfare. In short, Dr. Arkush generates significant insights into the role of violence in shaping political organization and regional landscapes for regional specialists and those working beyond the Andes.

**BOOK AWARD: PUBLIC AUDIENCE CATEGORY****Recipient:** Patrick Kirch

Patrick Kirch's *A Shark Going Inland Is My Chief: The Island Civilization of Ancient Hawaii* is a superbly written book for the layperson and scholar alike. Dr. Kirch explores a fundamental archaeological question – the emergence of divine kings and states – using accessible language and great storytelling. He draws upon half a century's worth of archaeological experience in Hawaii and the Pacific to seamlessly weave together archaeological research, traditional knowledge and stories, and personal anecdotes to tell the tales of ancient Hawaii and the Hawaiians, from the initial colonization of the island archipelago by Lapita people from Polynesia through contact with the European world. Perhaps more important, Dr. Kirch keeps archaeology as the backbone of the narrative while skillfully combining other sources of knowledge about ancient Hawaii in this entertaining and insightful book.

**AWARD FOR EXCELLENCE IN ARCHAEOLOGICAL ANALYSIS****Recipient:** Gayle Fritz

Gayle Fritz has earned the SAA Award for Excellence in Archaeological Analysis for her lifetime commitment to furthering the theoretical frameworks and standards of analysis of paleoethnobotany in an ongoing effort to understand the origins of crop domestication in the Americas. Her work is foundational in demonstrating the theoretical interrelationships between paleoethnobotanical analyses and anthropological questions of gender, feasting, migration, and status. She was central to demonstrating that eastern North America harbored an independent center of domestication. Always with an eye on and deep respect for data, Gayle Fritz brings high and innovative standards of method and technique to her work, whether in the field or the laboratory, and has influenced multiple generations of paleoethnobotanists, as both teacher and mentor. She continues to expand her own horizons through research on crop domestication in Central Asia. Gayle Fritz's career embodies the primacy of data, centered in high level analyses, to archaeology.

**AWARD FOR EXCELLENCE IN CULTURAL RESOURCE MANAGEMENT****Recipient:** Henry D. Wallace

Henry D. Wallace has earned the SAA Excellence in Cultural Resources Management Award for his exceptional and pivotal research on the Hohokam of southern Arizona. His 32 years of research, from directing numerous survey and excavation projects, has resulted in a regional perspective and refinement of temporal and dynamic changes in Hohokam settlement patterns over time. Some highlights of his research include building a chronology of rock art styles; ceramic research that has allowed the refinement of chronological intervals to a generational scale in the Hohokam region; and understanding how village formation and community structure change through time and across large regional scales. His research in CRM has enabled a broad and insightful view and understanding of the Hohokam world, their social organization, settlement structure, patterns of political leadership, and ritual influence, deriving from research that goes far beyond a simple view of the archaeological record.

**CRABTREE AWARD**

**Recipient:** Edward and Diane Stasack

Edward and Diane Stasack are role models for avocational archaeologists dedicated to serving archaeology and the public. Like Don Crabtree, they have been drawn to a particular material aspect of the past, in this case rock art, and through their enthusiasm for this class of material, they have expanded the realm of what we know. The Stasacks have been recording rock art in Hawai'i and Arizona for several decades, producing more than 50 reports, publications, and presentations on more than 80 sites. This massive effort continues today. They introduced many new methodologies for recording rock art in Hawai'i, and their inventories include not just images but the microenvironments in which the petroglyphs were placed, rises and depressions, cracks, and viewscapes for each petroglyph. The Stasacks have trained students, volunteers, and staff at various institutions in their methods. The enormous database that they have assembled informs their own research and will inform that of others in the future.

**THE FRYXELL AWARD FOR INTERDISCIPLINARY RESEARCH**

**Recipient:** Anthony F. Aveni

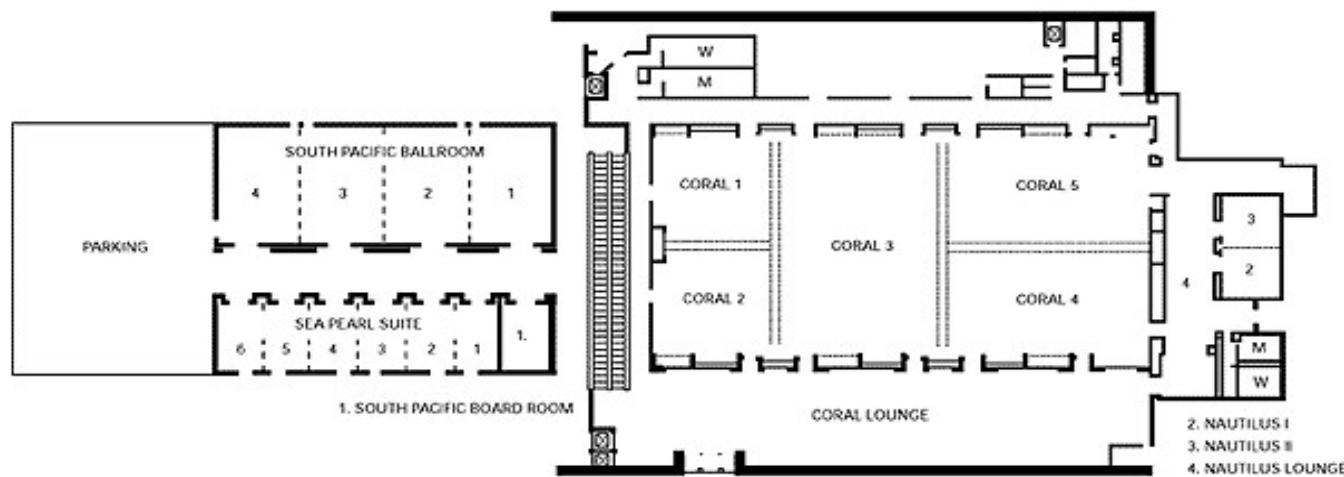
Anthony F. Aveni has earned the Society for American Archaeology's Fryxell Award for Interdisciplinary Research (Earth Sciences) based on his prominent role in developing the interdisciplinary fields of archaeoastronomy and cultural astronomy, as well as his service to the profession through scholarship, student training, and public dissemination. Dr. Aveni's extraordinary contributions to archaeology have included the integration of the scientific and humanistic studies of astronomical principles in ancient calendars, record keeping, urban planning, architectural design, and cosmologies. He has undertaken fieldwork in Mesoamerica, the Andes, the American Southwest, Italy, Israel, and other parts of the globe, often incorporating student training through study groups run through his long-standing home institution, Colgate University. The methodologies that Anthony Aveni has developed and taught to generations of students for rigorously testing astronomical assertions within the cultural framework of anthropological archaeology represent a most laudable contribution to the field.

**AWARD FOR EXCELLENCE IN LATIN AMERICAN AND CARRIBEAN ARCHAEOLOGY****Recipient:** Luis Guillermo Lumbreras Salcedo

Luis Guillermo Lumbreras Salcedo has earned the Award for Excellence in Latin American and Caribbean Archaeology 2013 for his contributions to the practice and institutional development of Latin American archaeology and to the construction and dissemination of archaeological knowledge. His outstanding research in Peru has provided an important model for theoretical and methodological approaches elsewhere and has inspired many generations of colleagues and students in the Americas. It is clear that he has been a highly influential and visionary leader of Andean archaeology. The breadth and depth of the impacts stemming out of his theoretical and substantive works are historic and without comparison among his Andean and Andeanist contemporaries. He is one of the few archaeologists who has developed theoretical views that challenge and offer viable alternatives to the traditional paradigms. His ideas have transcended political boundaries. His book, *Archaeology as a Social Science*, has been one of the most influential writings in Latin America and beyond. He has served to bridge the Andean and Andeanist intellectual traditions.

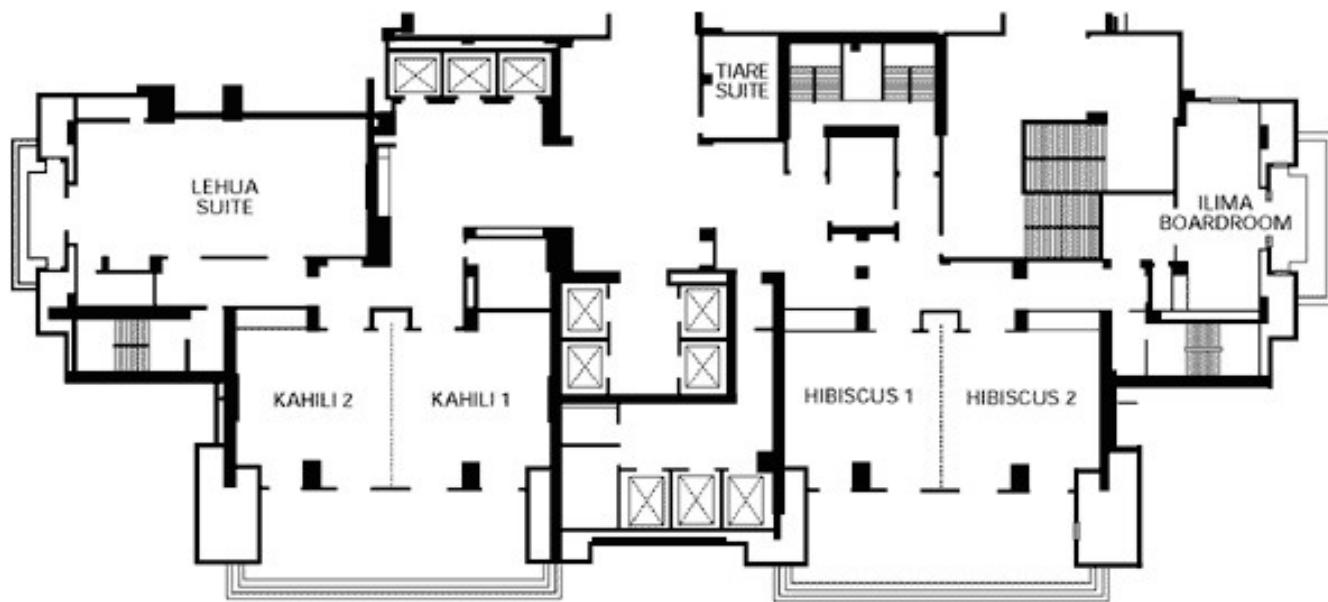
**LIFETIME ACHIEVEMENT AWARD****Recipient:** Henry Wright

Henry Wright is the 2013 recipient of the SAA Lifetime Achievement Award. In his career, he has made transformative contributions to archaeological theory and method, and has conducted important research in North America, Mesopotamia, Africa, and China. He exemplifies the highest qualities of enduring scholarship, teaching, service, and outreach, both nationally and internationally. Henry Wright is the consummate field archaeologist, always working with strong theoretical engagement. His fieldwork has focused on the emergence of the world's earliest states, although he has also investigated a wide range of other topics. Henry Wright's contributions to scholarship have been acknowledged by a MacArthur Fellowship in 1993, election to the National Academy of Sciences in 1994, and a Gold Medal for Distinguished Archaeological Achievement from the Archaeological Institute of America in 2009. At the University of Michigan, he was awarded a Collegiate Professorship in 2001 and the Albert C. Spaulding Distinguished University Professorship in 2006.

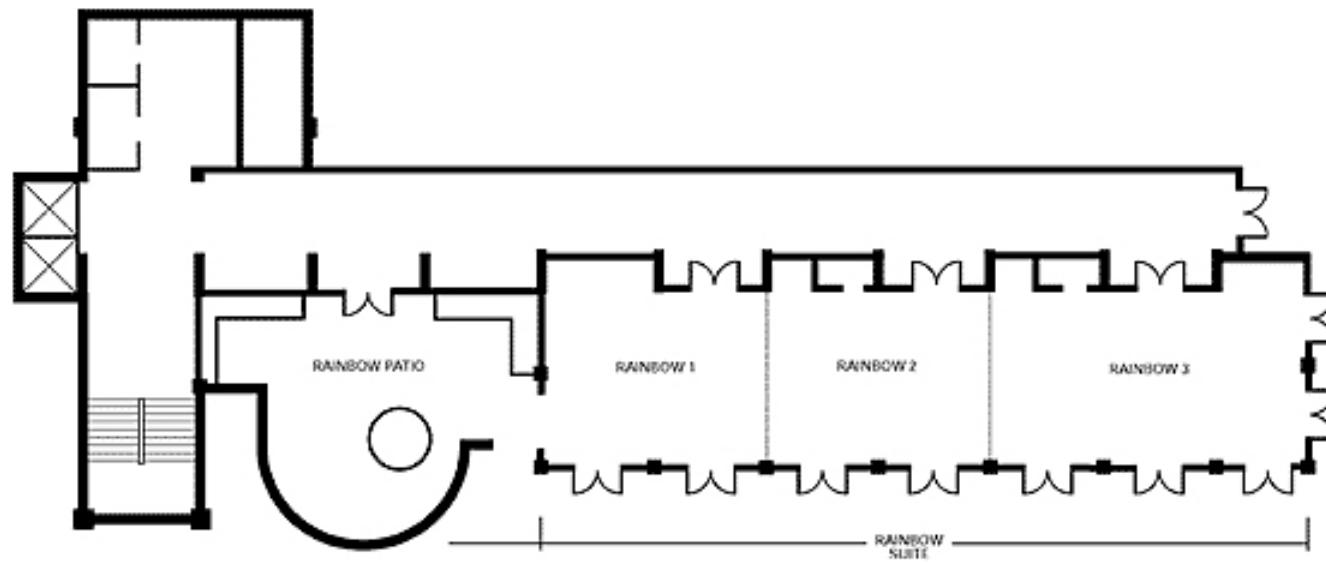


### Hilton Hawaiian Village ■ Mid-Pacific Conference Center

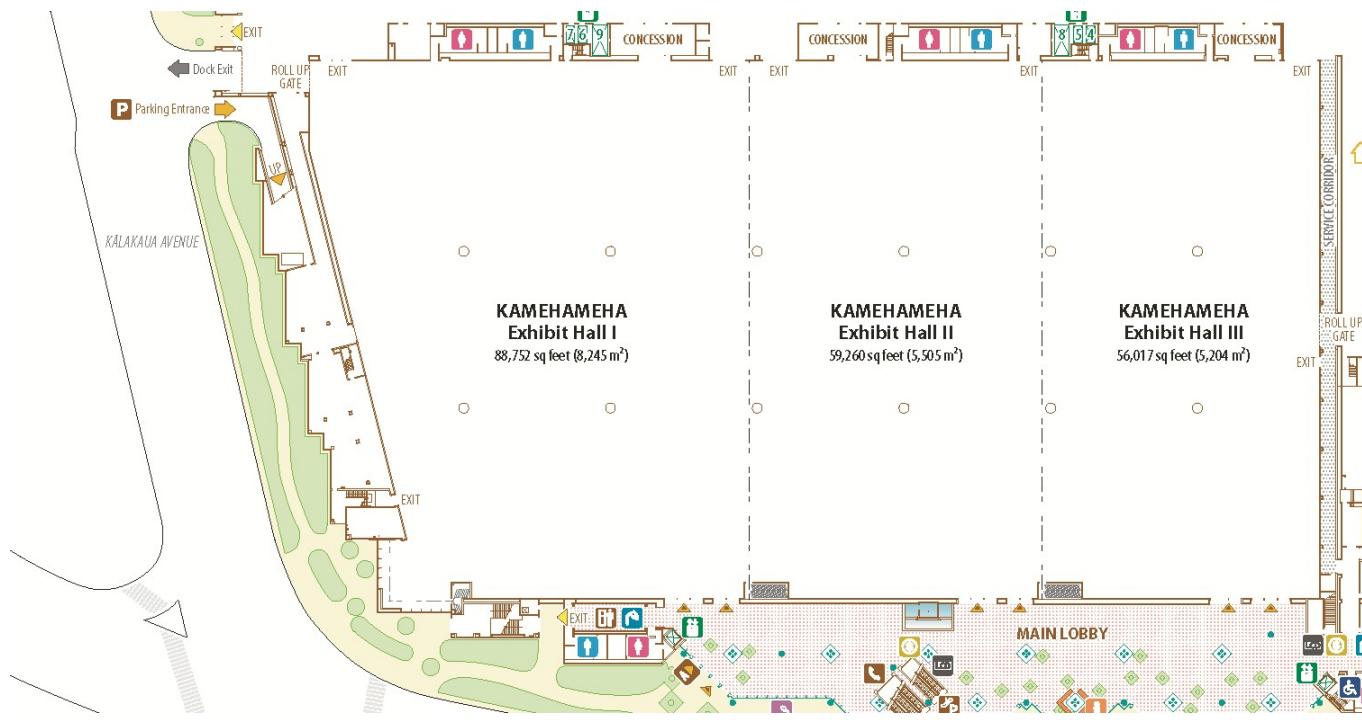
The Village Green is centrally located near the Ocean Crystal Chapel and the Main Lobby.



Hilton Hawaiian Village ■ Kalia Executive Conference Center



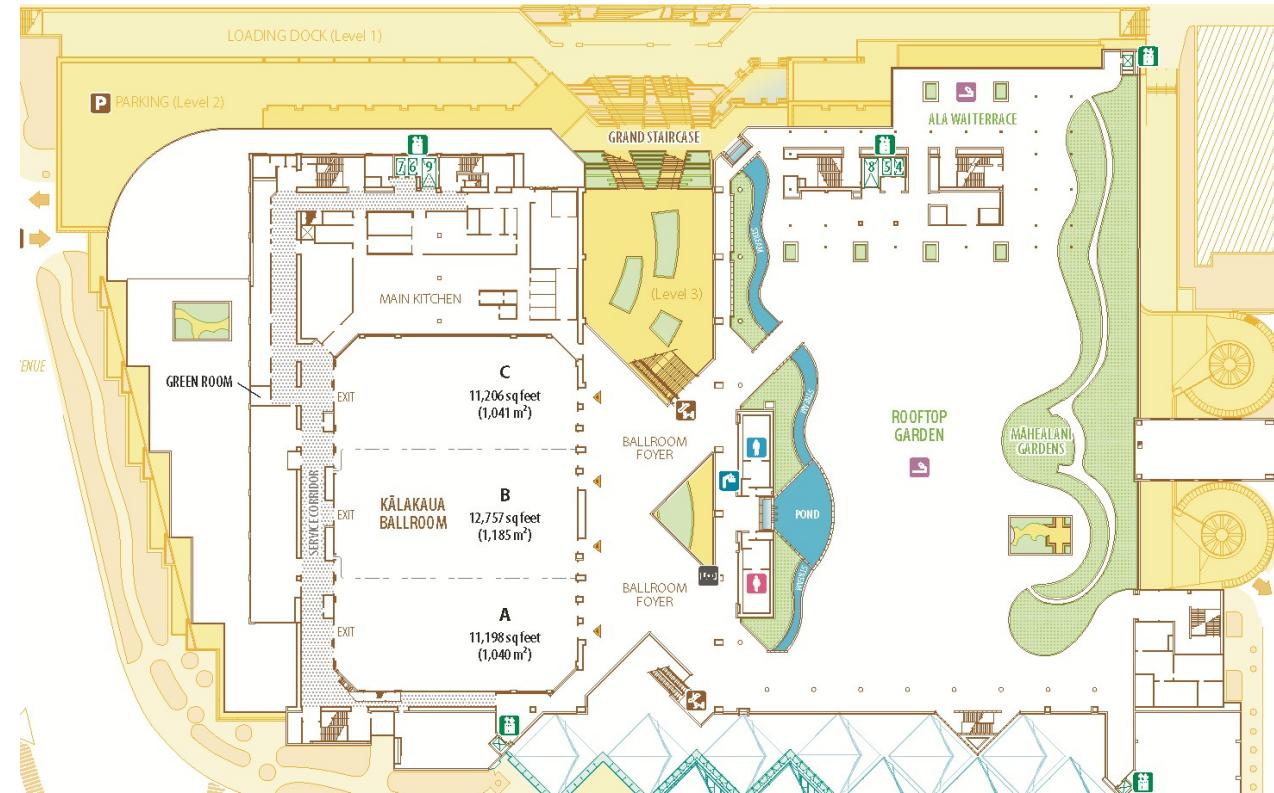
Hilton Hawaiian Village ■ Rainbow Suites



Hawaii Convention Center ■ Level 1



Hawaii Convention Center ■ Level 3



Hawaii Convention Center ■ Level 4

**SOCIETY FOR AMERICAN ARCHAEOLOGY**  
**78TH ANNUAL MEETING**

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## GENERAL INFORMATION

### MEETING ROOM LOCATIONS

As meetings are scheduled at the Hilton Hawaiian Village, and the Hawaii Convention Center, the following location designators will be used in conjunction with room names/numbers:  
**HHV=Hilton Hawaiian Village**  
**HCC= Hawaii 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 Kamehameha Exhibit Hall III Registration Area for the Hawaii Convention Center (HCC), 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 A at the Hawaii Convention Center (HCC).

### CULTURAL RESOURCES MANAGEMENT CAREER EXPO

The CRM Expo is on hiatus in Hawaii.

### 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. Hours for the ESC are listed on page 20. 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. 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 4 from 9 am to 5 pm; Friday, April 5 from 9 am to 5 pm; and Saturday, April 6 from 9 am to 5 pm in the Kamehameha Exhibit Hall III (HCC) at the Hawaii 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**

The Hospitality Desk at the Hawaii Convention Center will be staffed by the folks from "Where Hawaii" during the meeting. Hospitality Desk hours:  
Wednesday 4/3 – 7am-5pm  
Thursday 4/4 – 7am-5pm  
Friday 4/5 – 7am-5pm  
Saturday 4/6 – 7am-5pm

#### **MESSAGE CENTER**

A self-service message center will be located in the Registration Area in the Kamehameha Exhibit Hall III (HCC) on Wednesday from 2 to 8 pm, Thursday 7 am to 6:30 pm, Friday from 7 am to 4:45 pm, Saturday 7 am to 5 pm, and Sunday from 7 am to 11:45 am. Please check the video monitor at the center to determine if a message has been left for you.

#### **OFFICE**

From Monday, April 1 to Wednesday early morning, April 3, the SAA Staff Office is located at the Hilton Hawaiian Village in the Sea Pearl Suite I-II (HHV). From Wednesday to Sunday, the SAA Staff Office will be located at the Hawaii Convention Center in Room 328 (HCC).

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

The opening session/President's forum, The Future of Archaeology: Engagement with Descendant Communities, will be on Wednesday April 3 in the Coral Ballroom III,IV,V (HHV) at the Hilton Hawaiian Village from 6:00 to 8:00 pm.

#### **POSTER SESSIONS**

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

Poster sessions will be conducted in the Kamehameha Exhibit Hall III Foyer of the Hawaii 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 Room 327, (HCC) will be open Wednesday through Saturday, 9 am to 5 pm, and on Sunday, 9 am to 12 noon.

#### **REGISTRATION**

Registration is located in the Kamehameha Exhibit Hall III Registration Area of the Hawaii Convention Center (HCC). 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 to 8 am. Individuals who registered by March 4, 2013 can pick up their registration packets at the Advance Registration counters. Individuals who have not registered in advance should report to the On-site 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 422 in the Kamehameha Exhibit Hall III (HCC) 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 Room 321 (HCC). 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 Hawaiian Village in the Coral Ballroom I-II (HHV). 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***

**The Future of Archaeology:  
Engagement with Descendant Communities**

**Date:** Wednesday, April 3, 2013

**Time:** 6:00 pm–8:00 pm

**Location:** Coral Ballroom III,IV,V (HHV)

***The Ethics Bowl***

**Date:** Thursday, April 4

**Time:** 1:00 pm–3:00 pm

**Location:** 319A (HCC)

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

**CELEBRATE ARCHAEOLOGY BY USING YOUR BALLOT!**

As in the past, your registration package includes a ballot for the Archaeology Week/ Month Poster Contest. In the Kamehameha Exhibit Hall III (HCC), 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.

**MEETING SERVICES: HOURS OF OPERATION**

	Wednesday	Thursday	Friday	Saturday	Sunday
Abstract Viewing Center	2pm to 8pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 10pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 4pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 5pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 11am <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>
Registration	2pm to 8pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 8pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 4pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 4pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 8am <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>
Message Center	2pm to 8pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 6pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 4:45pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 5pm <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>	7am to 11:45am <i>Kamehameha Exhibit Hall III Registration Area (HCC)</i>
Employment Service Center	2pm to 8pm <i>Room 302 (HCC)</i>	8am to 6pm <i>Room 302 (HCC)</i>	8am to 4pm <i>Room 302 (HCC)</i>	8am to 5pm <i>Room 302 (HCC)</i>	8am to 11am <i>Room 302 (HCC)</i>
Speaker Ready Room	2pm to 8pm <i>Room 321 (HCC)</i>	7am to 9pm <i>Room 321 (HCC)</i>	7am to 6pm <i>Room 321 (HCC)</i>	7am to 6pm <i>Room 321 (HCC)</i>	7am to 11:45am <i>Room 321 (HCC)</i>
Press Office	9am to 5pm <i>Room 327 (HCC)</i>	9am to 5pm <i>Room 327 (HCC)</i>	9am to 5pm <i>Room 327 (HCC)</i>	9am to 5pm <i>Room 327 (HCC)</i>	9am to noon <i>Room 327 (HCC)</i>
Exhibits		9 am to 5pm <i>Kamehameha Exhibit Hall III (HCC)</i>	9am to 5pm <i>Kamehameha Exhibit Hall III (HCC)</i>	9am to 5pm <i>Kamehameha Exhibit Hall III (HCC)</i>	

**Summary Schedule**

**Tuesday, April 2**

7:30 am–6:00 pm  
*Coral I-II (HHV)*  
*Mid-Pacific Conference Center*  
Paleoanthropology Society Annual Meeting  
(separate registration required)

8:30 am–5:00 pm  
*South Pacific I (HHV)*  
*Mid-Pacific Conference Center*  
Association of Transportation  
Archaeologists Annual Meeting

3:00 pm–6:00 pm  
*Coral Lounge (HHV)*  
*Mid-Pacific Conference Center*  
Paleoanthropology Society Annual Meeting  
Poster Sessions

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

8:30 am– 5:00 pm  
South Pacific II (HHV)  
*Mid-Pacific Conference Center*  
Project Archaeology Coordinators Meeting

9:00 am–1:00 pm  
*Excursion Joint POW/MIA Command*  
(JPAC) Central Identification Laboratory  
(CIL)

12:30 pm–4:00 pm  
*Lehua Suite (HHV)*  
*Kalia Executive Conference Center-*  
*Kalia Tower*  
RPA Board Meeting

1:00pm–4:00 pm  
*South Pacific III (HHV)*  
*Mid-Pacific Conference Center*  
National Association of State  
Archaeologists Annual Meeting

**Wednesday, April 3**

**2:00 pm–8:00 pm**  
**Meeting Registration**

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

7:30 am–7:00 pm  
*Coral Ballroom I-II (HHV)*  
*Mid-Pacific Conference Center*  
Paleoanthropology Society Meeting  
(separate registration required)

7:00 am–8:00 am  
*Ilima Board Room (HHV)*  
*Kalia Executive Conference Center-*  
*Kalia Tower*  
SAA Board of Directors—New Board  
Member Orientation

8:00 am–4:45 pm  
*Ilima Board Room (HHV)*  
*Kalia Executive Conference Center-*  
*Kalia Tower*  
SAA Board of Directors Meeting

8:30 am–5:00 pm  
*South Pacific I (HHV)*  
*Mid-Pacific Conference Center*  
Association of Transportation  
Archaeologists Annual Meeting (cont.)

6:00pm–8:00 pm  
*Coral Ballroom III, IV, V (HHV)*  
*Mid-Pacific Conference Center*  
Opening Session/President's Forum: The  
Future of Archaeology: Engagement with  
Descendant Communities

9:00pm–10:00 pm  
*Coral Ballroom I-II (HHV)*  
*Mid-Pacific Conference Center*  
Student, New Member, First Timer &  
Committee Reception

**Thursday, April 4**  
**7:00 am–8:00 pm**  
**Meeting Registration**

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

7:00 am–6:00 pm  
*FameLab*  
325 (HCC)

8:00 am–10:00 am  
*South Pacific I (HHV)*  
*Mid-Pacific Conference Center*  
Council of Councils Meeting

<p>8:45 am–12:30 pm <i>Excursion Lyon Arboretum and Botanical Garden</i></p> <p>12:15 pm–12:45 pm <i>South Pacific I (HHV)</i> <i>Mid-Pacific Conference Center</i> Zooarchaeology and Bone Technology Interest Group Meeting</p> <p>2:00 pm–3:00 pm <i>Presidents' Suite</i> Fundraising Committee Meeting</p> <p>2:00 pm–3:00 pm <i>South Pacific II (HHV)</i> <i>Mid-Pacific Conference Center</i> Meeting of Latin American Antiquity Advisory Board</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Crabtree Award Committee Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Committee on Curriculum Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Committee on Ethics Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Government Affairs Committee Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> International Government Affairs Committee Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Investment and Finance Committee Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Lifetime Achievement Award Committee Meeting</p>	<p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Minority Scholarships Committee Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Museums, Collections, and Curation Committee Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Native American Relations Committee Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Native American Scholarships Committee Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Public Education Committee Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Committee on the Status of Women in Archaeology Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Student Affairs Committee Meeting</p> <p>4:00 pm–6:00 pm <i>Coral I-II (HHV)</i> <i>Mid-Pacific Conference Center</i> Student Paper Award Committee Meeting</p> <p>4:00 pm–6:00 pm <i>South Pacific I (HHV)</i> <i>Mid-Pacific Conference Center</i> Council of Affiliated Societies Annual Business Meeting</p> <p>4:00 pm–6:00 pm <i>South Pacific II (HHV)</i> <i>Mid-Pacific Conference Center</i> Publications Committee Meeting</p> <p>5:00 pm–6:30 pm <i>South Pacific III (HHV)</i> <i>Mid-Pacific Conference Center</i> RPA Awards Ceremony</p>
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5:30–7:00 pm <i>Hibiscus Suite (HHV)</i> <i>Kalia Executive Conference Center-</i> <i>Kalia Tower</i> Women's Networking Reception	8:00 am–12:00 pm <i>Ilima Board Room (HHV)</i> <i>Kalia Executive Conference Center-</i> <i>Kalia Tower</i> AAA-AD Executive Board Meeting
6:00 pm–7:00 pm <i>Ilima Board Room (HHV)</i> <i>Kalia Executive Conference Center-</i> <i>Kalia Tower</i> History of Archaeology Interest Group Meeting	8:00 am–3:00 pm <i>Sea Pearl III-IV (HHV)</i> <i>Mid-Pacific Conference Center</i> Workshop Archaeological Applications of Airborne Laser Scanning
6:00 pm–7:00 pm <i>Lehua Suite (HHV)</i> <i>Kalia Executive Conference Center-</i> <i>Kalia Tower</i> Interest Group on Indigenous Populations Meeting	9:00 am–11:00 am <i>South Pacific II (HHV)</i> <i>Mid-Pacific Conference Center</i> Committee on the Americas Meeting
6:00 pm–7:00 pm <i>Nautilus I (HHV)</i> <i>Mid-Pacific Conference Center</i> Fiber Perishables Interest Group Meeting	9:00 am–12:00 pm <i>Excursion Bernice Pauahi Bishop Museum</i> Behind-the-Scenes Fiber Perishables Tour
6:00 pm–7:00 pm <i>Nautilus II (HHV)</i> <i>Mid-Pacific Conference Center</i> Prehistoric Quarry and Early Mines Interest Group Meeting	12:00 pm–1:00 pm <i>Lehua Suite (HHV)</i> <i>Kalia Executive Conference Center-</i> <i>Kalia Tower</i> Digital Data Interest Group Meeting
6:30 pm–7:30 pm <i>Kahili Suite (HHV)</i> <i>Kalia Executive Conference Center-</i> <i>Kalia Tower</i> Geoarchaeology Interest Group Meeting	12:00 pm–1:00 pm <i>South Pacific III (HHV)</i> <i>Mid-Pacific Conference Center</i> Heritage Values Interest Group Meeting
7:00 pm–7:30 pm <i>Hibiscus Suite (HHV)</i> <i>Kalia Executive Conference Center-</i> <i>Kalia Tower</i> Women in Archaeology Interest Group Business Meeting	12:00 pm–1:30 pm <i>South Pacific I (HHV)</i> <i>Mid-Pacific Conference Center</i> International Association for Obsidian Studies Annual Meeting
7:00 pm–9:00 pm <i>Coral IV (HHV)</i> <i>Mid-Pacific Conference Center</i> FameLab	1:00 pm–2:00 pm <i>Nautilus I (HHV)</i> <i>Mid-Pacific Conference Center</i> American Antiquity Editorial Board Meeting
<b>Friday, April 5</b> <b>7:00 am–4:00 pm</b> Meeting Registration	1:00 pm–3:00 pm <i>Nautilus II (HHV)</i> <i>Mid-Pacific Conference Center</i> PEC State Network Coordinators Meeting
7:30am–7:00 pm Child care available through Accent on Children's Arrangements Inc.	1:00 pm–3:00 pm <i>South Pacific IV (HHV)</i> <i>Mid-Pacific Conference Center</i> Repatriation Committee Meeting
	3:00 pm–4:00 pm <i>South Pacific III (HHV)</i> <i>Mid-Pacific Conference Center</i> MARS Interest Group Meeting

3:00 pm–4:30 pm <i>South Pacific I (HHV)</i> <i>Mid-Pacific Conference Center</i> Forensic Archaeology Recovery Annual Meeting	<i>Kalia Executive Conference Center</i> SAA Board of Directors Meeting
6:45 pm–7:45 pm <i>Ilima Board Room (HHV)</i> <i>Kalia Executive Conference Center-Kalia Tower</i> Society for Archaeological Sciences Business Meeting	8:30 am–12:30 pm <i>Excursion: Kaniakapupu, Summer Residence of King Kamehameha III (Kauikeaouli)</i>
6:45 pm–8:00 pm <i>Kahili Suite (HHV)</i> <i>Kalia Executive Conference Center-Kalia Tower</i> Society of Africanist Archaeologists Reception	9:00 am –9:50 am <i>Emalani Auditorium Room 320 (HCC)</i> Student Day Learning Lab 1: The SAA and Your Future Career in Archaeology
6:45 pm–8:45 pm <i>Hibiscus Suite (HHV)</i> <i>Kalia Executive Conference Center-Kalia Tower</i> Native American Welcome Reception	10:00 am–10:50 am <i>Emalani Auditorium Room 320 (HCC)</i> Student Day Learning Lab 2: Getting the Job: Walking through the Application Process
7:00 pm–8:00 pm <i>Lehua Suite (HHV)</i> <i>Kalia Executive Conference Center-Kalia Tower</i> Rock Art Interest Group Meeting	11:00 am–11:50 am <i>Emalani Auditorium Room 320 (HCC)</i> Student Day Learning Lab 3: Working the Room: How to Network without Getting Overwhelmed
<b>Saturday, April 6</b> <b>6:30am–4:00pm</b> <b>Student Day Registration</b>	5:00 pm–6:00 pm <i>South Pacific I (HHV)</i> <i>Mid-Pacific Conference Center</i> Island and Coastal Archaeology Interest Group Meeting
<b>7:00 am–4:00 pm</b> <b>Meeting Registration</b>	5:30 pm–7:00 pm <i>Village Green (HHV)</i> <i>(Outdoor Space)</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>	6:00 pm–7:00 pm <i>South Pacific II (HHV)</i> <i>Mid-Pacific Conference Center</i> Public Archaeology Interest Group
7:00am–8:00 am <i>Kahili Suite (HHV)</i> <i>Kalia Executive Conference Center-Kalia Tower</i> Committee Chair/Interest Group Organizer Breakfast with the Board	6:00 pm–9:00 pm <i>Special Event SAA Authentic Hawaiian Lu'au</i>
8:15 am–4:45 pm <i>Ilima Board Room (HHV)</i>	<b>Sunday, April 7</b> <b>7:00 am–8:00 am</b> <b>Meeting Registration</b>
	<b>7:30am–12:30 pm</b> <b>Child care available through Accent on Children's Arrangements Inc.</b>

## A WORD ABOUT THE SESSIONS

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

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

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

**Symposium**—Generally, a group of 15-minute presentations on a well-defined theme submitted together by an organizer. The organizer may or may not also chair the Symposium. 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.

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 now 2 hours in duration. Please check for the new schedule for these sessions on Thursday, Friday, and Saturday in the Summary Schedule as well as in the Sessions at a Glance.*

## SAA's 79th Annual Meeting in 2014!

Plan now to attend the SAA 79th Annual Meeting in Austin, TX, April 23–27, 2014. 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 Austin will open on May 1, 2013.

### Saturday April 6, 2013

Student Day is an opportunity for high school and undergraduate students to experience a professional meeting. Student Day registrants have all-day access to the Annual Meeting, plus special Learning Labs and other events developed exclusively for Student Day and hosted by the Student Affairs Committee.

**\*Please Note: ALL student meeting registrants** – not just those registered for Student Day – are invited to attend Student Day special events.

At Student Day, you can:

- Meet and talk with professional and student archaeologists
- Attend Learning Labs and other special events
- Chat with Maureen Malloy, SAA's Manager, Education & Outreach about different career paths (12:00pm-1:30pm at SAA Booth in the Exhibit Hall and 4pm at Wrap-Up)
- Visit the Exhibit Hall to explore fun archaeological products, the newest publications, and gather information on selected archaeology programs
- Have your questions answered by your very own mentor!

#### Special Student Day Event Schedule

<b>6:30 am – 4:00 pm</b>	<b>Student Day Registration</b>
<b>8:00 – 8:50 am</b>	<b>Welcome and Kick-Off</b> <i>Emalani Auditorium Room 320 (HCC)</i> Meet other students, and representatives from various SAA groups
<b>9:00 – 9:50 am</b>	<b>Learning Lab 1 – The SAA and Your Future Career in Archaeology</b> <i>Emalani Auditorium Room 320 (HCC)</i> How to plan your career in archaeology, and how to use the tools the SAA provides
<b>10:00 – 10:50 am</b>	<b>Learning Lab 2 – Getting the Job: Walking through the Application Process</b> <i>Emalani Auditorium Room 320 (HCC)</i> Walk through the basics of applying for a job, from writing the initial email to composing the cover letter, and getting the interview
<b>11:00 – 11:50 am</b>	<b>Learning Lab 3 – Working the Room: How to Network without Getting Overwhelmed</b> <i>Emalani Auditorium Room 320 (HCC)</i> How to put your best self forward and overcome shyness, as well as contacting other departments or institutions
<b>12:00 – 1:00 pm</b>	<b>Lunch Break On Your Own</b>
<b>1:00 – 1:30 pm</b>	<b>Tour of the SAA 78th Annual Meeting</b>
<b>1:30 – 4:00 pm</b>	<b>Free time for sessions and Exhibit Hall</b>
<b>4:00 pm</b>	<b>Wrap-up</b> <i>Emalani Auditorium Room 320 (HCC)</i>

Sessions at a Glance: Wednesday Evening, April 3, and Thursday Morning, April 4					
Wed. April 3	6:00 PM	7:00 PM	8:00 PM	9:00 PM	10:00 PM
Hilton Hawaiian Village	IB President's forum: The Future of Archaeology:				
Thurs April 4	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM
303A	1 Symposium: Multidisciplinary Research and Current		32 Symposium: Assembling Catalhöyük		
318A	2 Symposium: Global Patterns of Shellfish Exploitation		31 Forum: The State of Mongolian Cultural Heritage Today		
306B	3 General Session: Archaeology of Western Asia and the		33 General Session: Lithic Sourcing		
301B	4 Forum: The Development of a Formal Middle Formative		35 Symposium: Birds and People of the Pacific:		
Kamehameha Exhibit Hall III Foyer	5-9 Poster Sessions		37-42 Poster Sessions		
303B	10 Symposium: Space and Aviation Heritage: An Archaeological and		34 Symposium: From Pinyon Canyon to		
305A	11 General Session: New Insights and Data in Hominid Biological and		36 General Session: Organization of		
318B	12 Symposium: California Aboriginal Sociopolitical Groups, Boundaries, and Their		45 General Session:		
319A	13 Symposium: Space and Aviation Heritage: An Archaeological and Historic		44 General Session: Chopping		
316A	14 Symposium: Complex Social Worlds: Exploring Epistemologies and Ontologies of				
301A	15 Symposium: cities, large villages, or neither? The conundrum of Cahokia, the		43 General Session: Symbols and		
317A	16 General Session: New Insights in Southwestern Archaeology				
314	17 Symposium: Multiethnic Population in neighborhood centers at Teotihuacan: a view from				
316C	18 Symposium: Rock Art in Broad Perspective: Method and Interpretation in Contemporary				
306A	19 Symposium: South American Ceramics				
309	20 Symposium: Old Dogs, New Tricks: Recent Research on Dogs in the Past				
324	21 Symposium: Xultun: Recent Investigations at a Classic Maya Metropolis in the Northeast Petén				
316B	22 Symposium: Korean Prehistory: Current Multidisciplinary Perspectives				
317B	23 Symposium: NEW DIRECTIONS IN MODELING DYNAMICS FOR COUPLED SOCIAL-NATURAL SYSTEMS				
323A	24 Symposium: Beyond Peripheries: Material and Conceptual Borderlands of Becoming				
319B	25 Symposium: Using The Bruker Tracer III++ Portable ED-XRF Analyzer to Investigate Compositional Variation in Archaeological				
315	26 Symposium: New Approaches to the Archaeological and Bioarchaeological Study of South American Hunter-Gatherer societies				
312	27 Symposium: Theoretical and methodological issues for Oceanic colonization				
323C	28 Symposium: Lithic technological organization and paleoenvironmental change				
323B	29 Symposium: Spatial Approaches to the History of Archaeology				
311	30 Symposium: Global Perspectives on the Evolution of Complex Societies: Papers in				

Sessions at a Glance: Thursday Afternoon, April 4				
Thursday April 4	1:00 PM	2:00 PM	3:00 PM	4:00 PM
319A	46A The Ethics Bowl			77 Symposium: Explanations of behavior using
314	46 Symposium: Social Inequality in the		74 Symposium: Children and Childhood in the Past: Exploring Biological	
312	47 Symposium: Theoretical and		73 Symposium: Historical Archaeology in the Pacific: In and of a Sea of	
305A	48 General Session: Archaeology in Education:		76 Symposium: Beyond Blombos: Adaptive Diversity in Later	
309	49 Symposium: Difference Theory			79 General Session: Osteological and Genetic Studies
303A	50 General Session: Consumption in South America: Diet,			78 General Session: Sociality and Materiality in
317A	51 General Session: Understanding Rock Art: Methods, Contexts,			80 General Session: Hunter and
306B	52 Forum: Conversations: Time, Memory and Experience			
303B	53 Forum: Beyond the Data: Significance under the National Register of			
317B	54 General Session: Eastern U.S. Archaeology			83 General Session: Greek
311	55 Symposium: Global Perspectives on the Evolution of Complex Societies: Papers in Honor of			
318A	56 Symposium: Performig Death: Archaeologies of Funeral Drama in Early Medieval Europe		81 General Session: Ethnohistory	
323B	57 General Session: Precolumbian Mortuary and Ritual Practices			
301A	58 General Session: Environmental Archaeology		82 Sympos	
323A	59 Symposium: Making Value, Making Meaning: Techné in Pre-Columbian Mesoamerica and Andean			
318B	60 Symposium: Towards a new synthesis of Amazonian Archaeology			
306A	61 Symposium: Ritual and Archaic States			
319B	62 Symposium: Improving XRF Methods for the Geochemical Characterization of Archaeological Materials: Precision,			
315	63 Symposium: Teotihuacan and Early Classic Mesoamerica: Multi-Scalar Perspectives on Power, Identity, and Interregional			
316A	64 Symposium: Fifty Years Ago: The Legacy of the Grasshopper Research Project in Current Archaeological Practice			
323C	65 Symposium: Living Abandonment: the Social Process of Detachment from Place			
324	66 Symposium: New Developments in Chinese Archaeology			
316C	67 Symposium: Hopi Archaeology, History, and Heritage: Papers in Honor of Leigh J. Kuwanwisiwma			
Kamehameha Exhibit		68-71 Poster Sessions		
Hall III Foyer			72 Symposium: Archaeology, cultural heritage and the third age: exploring new challenges	
301B			75 Symposium: Archaeology, Current Research and Future Directions in	
316B				

Sessions at a Glance: Thursday Evening, April 4				
Thursday April 4	6:00 PM	7:00 PM	8:00 PM	9:00 PM
315 Kamehameha Exhibit Hall III Foyer	84 General Session: Political Economy of 85-89 Poster Sessions			
309	90 General Session: Stone Tool Production: Old and New World			
317A	91 General Session: Managing, Mitigating, and Protecting the Past			
317B	92 General Session: Camps, Forts, and Military Bases			
301B	93 Symposium: Approaching Jeffers: New Techniques and New Perspectives			
306A	94 Symposium: Invention as a process: pyrotechnologies in pre-literate			
312	95 Symposium: "Entangling" archaeology and history. Early Modern			
316A	96 General Session: European Archaeology Through the Ages			
301A	97 Symposium: Differentiated Practices in High Places across the US-Mexico			
306B	98 Symposium: Accessible Archaeology			
318A	99 Symposium: Novel Applications of Microscopy and Microanalysis			
319A	100 Symposium: Whither Archaeologies of Poverty?			
319B	101 Symposium: Negotiating Identities: Defining and Compartmentalizing the Self			
324	102 Symposium: California Mission Archaeology in the Los Angeles Area			
323A	103 General Session: Global Approaches in Archaeobotany			
316B	104 Symposium: Old Borders and New Frontiers: Doing Historical Archaeology in Southeast			
318B	105 Symposium: Digital Transitions: Technologies for Archaeological Fieldwork, Publishing			
314	106 Symposium: The connected past: critical and innovative approaches to networks in			
323C	107 Symposium: Tendencias recientes en la arqueología del occidente de México			
323B	108 Symposium: New Developments and Debates Around Pachacamac and The Lurin Valley During			
311	109 Symposium: The Archaeology of Religion in the Mesoamerican Cave Context			
316C	110 Symposium: Preservation Archaeology and the Bellwether Nonprofits of the Southwest			

## Sessions at a Glance: Friday Morning, April 5

	Sessions at a Glance: Friday Morning, April 5				
	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM
Friday, April 5	111 General				
323B			142 Symposium: Quarries and		
323A	112 General Session: The		141 Symposium: Who are the Ancestors?		154 General Session:
312	113 Symposium: Not the End after All: New		144 Symposium: Population Mobility in the Hinterland of		
305A	114 Symposium: Manipulating Prey: Development of		143 Forum: Creating Context in the Classroom		
319A	115 Symposium: Archaeology of Africa and Diaspora			155 General Session:	
316B	116 Symposium: Contextos arqueológicos funerarios en		145 Symposium: Late Middle through		
318A	117 General Session: Unburying Data: Advances in Lab		146 Symposium: Ancient Globalizations		
319B	118 Forum: But I Just Like to Dig: Practical Ethics for the				
Kamehameha Exhibit	119-122 Poster Sessions		147-150 Poster Sessions		
Hall III Foyer					
314	123 Symposium: Breaking Ground: One Year of Cultural Resources Management		152 Symposium: Collaborative		
303A	124 Symposium: New Research of American Indian Tobacco Smoking Pipes and		151 Symposium: Both Meat		
301A	125 General Session: Advancing Archaeology in the Field			156 Symposium	
306A	126 General Session: New Directions in Mesoamerican Archaeology				
306B	127 Symposium: Archaeology of the Underrepresented			153 General Session:	
318B	128 General Session: Archaeology of the Great Basin and the Basin Plateau Region				
303B	129 Symposium: The Fayum as an Agricultural Landscape: Climate Change, Neolithic Adoption, Greco-Roman				
301B	130 General Session: Indigenous Subsistence Ecologies: Methodological Frameworks and Case Studies				
309	131 Symposium: Volcanic Activity and Human Ecology - 34 years on				
316C	132 Symposium: Wari and the Middle Horizon in the Andes: Papers in Honor of Bill Isbell				
317B	133 Symposium: Households, Markets, World-Systems, and Political Economy: Alternative Pathways to Complexity				
316A	134 Symposium: The Archaeology of Non-literal Islands				
324	135 Symposium: Forensic Archaeology: a multidisciplinary approach				
323C	136 Symposium: Not every meal is a banquet: on the multivocality of food				
311		137 General Session: Artic and Northwest Coast Archaeology			
317A		138 Symposium: Isotope Ecology and the Ring of Fire: Bioarchaeology in the Pacific			
325		139 General Session: Craft Production, Technology, and Identity in the			
315		140 Symposium: Patterns of Postclassic Mesoamerican Communities			

Sessions at a Glance: Friday Afternoon, April 5					
	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM
305A	157 Symposium: Contacts between			196 Symposium: Exploring the Difference:	
309	158 General Session: Grave		194 Symposium: Forensic Archaeology in the Americas:		
319A	159 Symposium: Aspects recientes sobre		192 Forum: Beyond the Equator (Principles); Community		
323B	160 General Session: Novel		193 Symposium: Bioarchaeology of northeast Asia		
318A	161 Forum: Re-connecting the past: the future of social		195 Symposium: Pacific Ethnographies in World		
306B	162 General Session: Archaeology of the Middle		201 General Session: Arc		
301B	163 Symposium: Our Land is Gift by Sea: Rock Art, Seascapes and Inscribed		199 General Sessio		
317B	164 Symposium: Finding Solutions for Protecting and Sharing Archaeological		198 General Sessio		
316B	165 Symposium: Collaborative Research in the Pacific Basin and Beyond: Re-Shaping				
315	166 Symposium: 2013 Fryeell Symposium: Papers in Honor of Anthony F. Aveni				
311	167 Symposium: Seas of Permutation: Global Perspectives on the Archaeology of Islands				
318B	168 Symposium: Lessons Learned: Reflections on the Benefits, Challenges and Responsibilities of Collection Based				
323C	169 Symposium: Shifting Archaeological Borders and Boundaries: Decolonizing History and Academia				
316C	170 Symposium: The Coast is Clear: Papers in Honor of Kenneth M. Ames				
312	171 Symposium: Preclassic Maya Households				
303A	172 Symposium: Small Samples, Big Questions: New Methods and Applications in Biomolecular Archaeology				
323A	173 General Session:	191 Sympos	197 General Session: Classic Maya		
314	174 Symposium: Tribal Consultation: Lessons Learned and Future Directions				
316A	175 Symposium: Communities and Households in the Greater Southwest				
303B	176 Symposium: Exploring cross-cultural interaction, from				
306A	177 Symposium: Violence and Warfare among Hunter-Gatherers				
319B	178 General Session: Pottery Around the World: Identity and Technology				
325	179 Symposium: Questions of Chronology in Ancient China				
301A	180 Symposium: Ritual Innovation, Material		200 Symposium: Landsca		
317A	181 General Session: Mortuary Studies Around the World				
324	182 Symposium: Integrating Archaeometry and Theory: How				
Kamehameha Exhibit	183-190 Poster Sessions				
Hall III Foyer					
Ballroom A					Annual Business

Sessions at a Glance: Saturday Morning, April 6					
Saturday April 6	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM
303B	202 General Session: Precolumbian		232 Forum: Mentoring: Peaks, Pitfalls, and Perspectives		
309	203 Forum: Blinding the Cord for a Stronger Hawaii: Hawaiian Hall III Poster Sessions		233 Symposium: Pacific Island		
Kamehameha Exhibit	204-208 Poster Sessions		234-238 Poster Sessions		
312	209 Symposium: Field Schools and The 2010 Senator Paul Simon Study				
316B	210 Symposium: Questioning Previous Understandings of Ancient Maya		240 General Session: Landscapes		
311	211 Symposium: Remembering Bernard Waisle: The Importance of European Later				
319A	212 Symposium: Human Niche Construction as an Evolutionary Framework in Anthropology				
314	213 Symposium: Specialization, Intensification and Diversification in Northwestern Belize				
317A	214 Symposium: Approaching a Synthesis of Nasca Society: Recent Research on the Peruvian South Coast				
305A	215 Symposium: Modelling the impact of environmental variability on hominin dispersals				
324	216 Symposium: Technology in Southwest China and Southeast Asia I: The Origins, Spread, and Development of Metal Production				
323C	217 General Session: Analyzing Subsistence, Mobility, and Health				
317B	218 Symposium: Social Identity in Frontier and Borderland Communities of the North American Southwest				
301B	219 Symposium: Environmental Change and Past Human Responses: human-environmental interactions inscribed on the skeleton				
323A	220 General Session: Socio-cultural Implications of Lithic Patterning		241 General Session: The		
306B	221 Symposium: Identity and Heritage: Contemporary Challenges in a Globalizing World				
318A	222 Symposium: Before Beringia: archeological evidence and late Pleistocene population dynamic in Central and				
325	223 Symposium: Up Close and Personal: Gendered Materialities and the Complexity of Situated Knowledge in the				
318B	224 Symposium: Advances in Geoarchaeology				
306A	225 Symposium: Pushing Pastoral Boundaries: Patterns and Particulars in Pastoral/Non-				
303A		226 General Session: Eurasia	239 Symposium: Losing Control:		
323B			227 Symposium: Not just for show: The archaeology of beads, beadwork, and		
319B			228 Symposium: Animal sacrifice in Complex Societies: Method and theory in		
315			229 Symposium: Empire, Economy, and Urban Society at Aztec Period Calixtlahuaca,		
316A			230 Symposium: The Anthropological Archaeology of Richard A. Gould		
316C			231 Symposium: Archaeology of Tlaxcala, Mexico		

Sessions at a Glance: Saturday Afternoon, April 6					
	1:00 PM	2:00 PM	3:00 PM	4:00 PM	
303A	242 Symposium: The		271 Symposium: A World Archaeology Approach		
318B	243 General Session: Paleoenviron				
301B	244 Symposium: Archaeology in Micronesia: Current Research		274 General Session: New Data and Ideas in Polynesian		
309	245 Forum: The Indus Civilization Revitalized – Evaluation of		276 Symposium: Exposed Sites and Burials in Areas of		
306A	246 Forum: Keeping a Good Heart: NAGPRA Plateau Style			277 General Session: Indigeno	
305A	247 Symposium: New Technologies in Archaeology			278 General Session: Great Plains	
323B	248 Symposium: Not just for show: The archaeology of beads, beadwork, and				
324	249 Symposium: Technology in Southwest China and Southeast Asia II: Working with Stone,				
319B	250 Symposium: Common Grounds: Innovative International Perspectives on Ground Stone Studies				
314	251 Symposium: Forensic Archaeology at the JPAC-CIL: Excavating the Atypical in the Modern World				
306B	252 Symposium: Turquoise and Blue-Green Stones in the Southwest, Northern Mexico, and Mesoamerica: Where Mined,				
323C	253 Symposium: People and Plants: Migration and Exchange in the Circum-Caribbean				
318A	254 Symposium: Archaeometric Methods, Archaeological Materials & Ancient Technologies				
315	255 Symposium: Contemporary Approaches to History and Chronology Building: Perspectives from the Eastern Maya Lowlands				
311	256 Symposium: Understanding the Hawaiian Past: A session in honor of four decades of archaeology by Patrick V. Kirch				
316C	257 Symposium: Lessons from the Trenches II: New Pedagogies of Archaeology and Heritage				
301A	258 Symposium: Circumpolar Ceramics: Pottery Technology and the 'Foraging Spectrum'				
325	259 General Session: By Design: Iconography in Social and Cosmological				
316A	260 Symposium: Multidisciplinary Analysis of Human Skeletal Remains from a Mid-19th				
303B	261 Symposium: Tools of Empire: Historical Archaeologies of British Forts in Their Contexts				
312	262 General Session: Collaborative and Community Archaeology				
317A	263 General Session: Advances in Zooarchaeological Method: Case Studies from Around the				
319A		264 General Session: Landscapes and Space: Case Studies from the Americas			
Kamehameha Exhibit Hall		265-270 Poster Sessions			
III Foyer					
323A		272 General Session: Bioarchaeology in the Americas			
317B		273 Symposium: The Archaeology of the Human Experience			
316B		275 Symposium: Teotepetec in Context: New Findings from			

Sessions at a Glance: Sunday Morning, April 7				
Sunday April 7	8:00 AM	9:00 AM	10:00 AM	11:00 AM
317A	279 Symposium: Obsidian Characterization			
318B	280 General Session: Emerging Perspectives			
306B	281 Symposium: Creative Alternatives for			
301A	282 Forum: Open Access—is it good for archaeology?			
303B	283 Symposium: When Humans Dominated the Earth: Archaeological			
305A	284 Symposium: Microartifact Analysis: Recent Applications and			
306A	285 General Session: Architecture, Landscapes, and Seascapes			
318A	286 Symposium: Bodies of Evidence: Integrating Mortuary and Osteological			
303A	287 Symposium: Community Studies in Archaeology: Ways Forward			
319A	288 Symposium: Ceramics and Society in early Mesoamerica and the Aegean			
319B	289 Symposium: Late Prehistory and Early Historic Periods in the Korean Region			
323C	290 General Session: Ritual, Economy, and Environment in the Ancient Maya World			
323A	291 Symposium: The Frison Institute Symposium: Dates as Data: New Applications of Radiocarbon			
317B	292 Symposium: Archaeologies, legacies, and heritages of colonial encounters in the Pacific and the Caribbean			

## Program

### Wednesday Morning ■ April 03, 2013

- [1A]      **WORKSHOP ■ FAUNAL DATA ENTRY AND INTEGRATION IN TDAR**  
Room: Sea Pearl IV(HHV)  
Time: 1:00 PM - 5:00 PM

- [1B]      **OPENING SESSION AND PRESIDENT'S FORUM ■ THE FUTURE OF ARCHAEOLOGY:  
ENGAGEMENT WITH DESCENDANT COMMUNITIES**  
Room: Coral Ballroom III, IV, V(HHV)  
Time: 6:00 PM - 8:00 PM  
Chairs: W. Fredrick Limp, Kelley Hays-Gilpin, and Gordon Rakita  
Moderator: Ora Marek-Martinez

**Participants:**

Rudy Reimer/Yumks—Discussant  
Andrea Hunter—Discussant  
Sam Juparulla Wickman—Discussant  
Henry Tantaleán—Discussant  
Peter Nelson—Discussant  
Kekuewa Kikloi—Discussant

### Thursday Morning ■ April 04, 2013

- [1]      **SYMPOSIUM ■ MULTIDISCIPLINARY RESEARCH AND CURRENT TECHNOLOGIES IN  
NATIONAL APPROACHES TO THE ECUADORIAN PAST**  
Room: 303A (HCC)  
Time: 8:00 AM - 9:45 AM  
Chairs: Maria-Auxiliadora Cordero and Florencio Delgado Espinoza

**Participants:**

8:00     Maria Ordoñez, Ronald Beckett, and Gerald Conlogue—Forensic Anthropology and Paleomaging: An Application of Traditional and Non-intrusive Techniques on Two Museum Collections in Quito  
8:15     Florencio Delgado Espinoza—Spatial Analysis of the Manteño Occupation at the Cerro Jaboncillo-Hojas Site  
8:30     Amelia Sánchez Mosquera—Contract Archaeology and Regional Models, an Intrinsic Relationship: Two Cases  
8:45     Josefina Vasquez and Iván Pazmiño—Reconstruction of Site Morphology through 3D Scanning Technique: The Case of Yacuviña, Southern Ecuador  
9:00     Fernando Astudillo—Phytoliths, Paleoenvironment, and Human Settlement of the Northern Ecuadorian Andes  
9:15     Maria-Auxiliadora Cordero—Chemical Analysis of Ecuadorian Ritual Vessels: Piartial Pottery  
9:30     Daniela Balanzategui—Colonial Indigenous and Mestizo Foodways: ceramic analysis and Ethnoarchaeology in the Highlands of Ecuador

- [2]      **SYMPOSIUM ■ GLOBAL PATTERNS OF SHELLFISH EXPLOITATION**  
Room: 318A (HCC)  
Time: 8:00 AM - 9:45 AM

**Chairs:** Adrian Whitaker and Brian Codding

**Participants:**

- 8:00 Brian Codding and James O'Connell—A Novel Multivariate Model of Shellfish Exploitation
- 8:15 Sean Ulm, Helene Tomkins, Daniel Rosendahl, Lynley Wallis, and Patrick Moss—Last Millennium Changes in Shellfishing Behaviors across Northern Australia
- 8:30 Adrian Whitaker and Brian Byrd—Using Theories of Plant Food Intensification to Explain Shifts toward an Emphasis on Small Shellfish Taxa
- 8:45 Christina Giovas, Scott Fitzpatrick, and Annie Caruso—An Analysis of Changing Mollusk Exploitation from the Chelechol ra Orrak rockshelter, Palau
- 9:00 Aaron Poteate, Scott Fitzpatrick, Meagan Clark, Jessica Stone, and Alyson Harding—Amerindian Mollusk Exploitation during the Late Ceramic Age at Coconut Walk, Nevis, West Indies (ca. AD 850-1450)
- 9:15 David Thomas—On the Role of Shellfish Exploitation along the Georgia Bight
- 9:30 Douglas Bird—Discussant

**[3] GENERAL SESSION ■ ARCHAEOLOGY OF WESTERN ASIA AND THE EASTERN MEDITERRANEAN**

**Room:** 306B (HCC)

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

**Chair:** Andrew Fairbairn

**Participants:**

- 8:00 Alan Simmons—No Village Is an Island: Cyprus as a Crossroads for Early Mediterranean Sea Voyagers
- 8:15 Katelyn DiBenedetto and Alan Simmons—Could Cyprus Have Sustained a Cattle Population between the Late Neolithic and the Bronze Ages?
- 8:30 Sarah MacIntosh and Levent Atici—Antlerworking at Körtik Tepe (SE Turkey) during Pre-Pottery Neolithic A (PPNA)
- 8:45 Daniel Thompson—Multispectral Archaeological Prospection: Case Studies from the Greater Near East
- 9:00 Joseph Lehner—Metal technology, Organization, and the Evolution of Long-Distance Trade in Anatolia
- 9:15 Kathryn Grossman—The Protracted Process of Urbanization at Early Bronze Age Hamoukar, Syria
- 9:30 Andrew Fairbairn, Emma Jenkins, Douglas Baird, and Geraldine Jacobsen—Plant Gathering at the 9th Millennium cal B.C. Settlement at Pınarbaşı A and D on the Konya Plain, Central Anatolia

**[4] FORUM ■ THE DEVELOPMENT OF A FORMAL MIDDLE FORMATIVE SITE LAYOUT IN SOUTHERN MESOAMERICA**

**Room:** 301B (HCC)

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

**Moderator:** Takeshi Inomata

**Participants:**

- Mary Pye—Discussant
- John Clark—Discussant
- Rebecca Gonzalez Lauck—Discussant
- Valerie Courtes—Discussant
- Lynneth Lowe—Discussant
- Michael Blake—Discussant

Michael Love—Discussant  
Barbara Arroyo—Discussant

**[5] POSTER SESSION ■ ARCHAEOLOGY ACROSS OCEANIA**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 5-a Sam Lin, Matthew Douglass, Daniel Parker, and Simon Holdaway—Stone Artifact Selection and Transport in the Semi-arid Zone of Western New South Wales, Australia
- 5-b Mallory Messersmith and Mark McCoy—Airborne LiDAR Survey of Fortified Earthwork Sites in Northland, New Zealand
- 5-c Jana Morehouse and Michael Graves—Agriculture in North Kohala: Fields, Ditches, and Innovation
- 5-d Elizabeth Peterson—Mobility Variation among Hunting-Gathering Societies: Evaluating Risk Reduction through the Lens of Social Networking
- 5-e Christina Bisulca, Kamalu du Preez, Lisa Schattenburg-Raymond, and Betty Kam—Dye Analysis of Hawaiian Barkcloth
- 5-f Daniel Welch—Discontinuity in the Stratigraphic Record of Samoan Volcanic Glass Artifacts
- 5-g Jennifer Huebert—Forest transformations and Arboreal Subsistence Strategies in Highly Variable Environments: Marquesas Islands, French Polynesia
- 5-h Kathleen LeBlanc—Use of Tongan Barkcloth Design as an Analogue for the Lapita Design System
- 5-i Megan Wong, Megan Wong, David Burley, and Michael Richards—Prehistoric Tongan Diet and Stable Isotopes: An Evaluation of Subsistence Hypotheses

**[6] POSTER SESSION ■ EASTERN U.S. ARCHAEOLOGY: WOODLAND THROUGH EARLY CONTACT PERIODS**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 6-a Kimberly Swisher, Clark Spencer Larsen, Victor D. Thompson, and Paul W. Sciulli—Temporal Trends in Skeletal Morphology in Biocultural Context from the Prehistoric Georgia Bight
- 6-b George Kinison—Actualistic Experiments on the Regional Taphonomy of the Soils of Northwestern Georgia: Effects on Osseous and Dental Remains
- 6-c Amanda Roberts Thompson—Rediscovering Fort Center: A Lost Landscape of the Seminole Wars
- 6-d Matthew Lobiondo, Cameron Wesson, John Cottier, Hamilton Bryant, and Holly Luscumb—Remote Sensing at the Ebert-Canebrake Site (1Mc25), a Central Alabama Fortified Mississippian Village
- 6-e Maureen Bickham—Marine Shell Exchange among Mississippian People of the Southeastern United States
- 6-f G. Logan Miller—Lithic Microwear Analysis of Hopewell Bladelets from Fort Ancient: Implications for Ritual Economy
- 6-g Lindsay Plunk—Chemical and Mineralogical Analysis of Varney Red Filmed Ceramics from the Lower Mississippi River Valley
- 6-h Allison Gracer, Amber VanDerwarker, and Gregory Wilson—Maize Intensification in the Mississippian Central Illinois Valley: Metric data from Maize Kernels and Cupules as a Means to Establish the Number and Type(s) of Varieties
- 6-i Anna Semon—Examining Late Mississippian Paddle Designs from the Georgia

- Coast  
 6-j Eric Jones—Spatiotemporal Analysis of Old World Diseases in North America, A.D. 1500–1800  
 6-k Mark McConaughy—Reassessing Peter's Creek and Linn Mounds, Pennsylvania  
 6-l Sarah Striker—The Mantle Site: Community and Non-local Contacts

**[7] POSTER SESSION ■ CURRENT EMPIRICAL RESEARCH IN SOUTHEAST ASIAN ARCHAEOLOGY**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Chairs:** Ben Marwick and Ally Halliwell

**Participants:**

- 7-a Rachna Chhay and David Brotherson—Utilitarian Ceramic Production Centers in the Angkor Empire: The Site of Kok Phnov and Phnom Krom, Siem Reap Province, Cambodia  
 7-b Veronica Walker Vadillo and Xabier Armendariz—A VOC Ship in the Walls of Angkor Wat?  
 7-c Hannah Van Vlack, Cyler Conrad, Ben Marwick, Cholawit Thongcharoenchaikit, and Rasmi Shoocongdej—Zooarchaeology and Human Ecology at Khao Toh Chong, Krabi, Thailand  
 7-d Charmaine Ledesma, Noel Amano, and Stephen Acabado—Hunting and Domestication: The Ifugao Complementary System  
 7-e Damien Huffer—I'm a Stranger Here Myself: Kinship and Community Organization during the Mid-Holocene in Northern Vietnam  
 7-f Jacy Moore, Jasminda Ceron, and Stephen Acabado—Agricultural Development and Settlement Patterns in Early Ifugao Societies  
 7-g Nina Peck—Subsistence and Coastal Resources: The Iron Age in San Remigio, Cebu, Philippines  
 7-h Jennifer Huff—Revisiting Highland New Guinea: New Insights into the Pleistocene and Holocene Occupations of Highland PNG  
 7-i Seungki Kwak, Ben Marwick, and Dan Nelson—Tracing Prehistoric Subsistence: Application of Organic Geochemical Analyses on Potsherds from Ancient Korean Peninsula  
 7-j David Bulbeck, Ben Marwick, Sue O'Connor, Ambra Calo, and Jack Fenner—The Prehistoric Archaeology of the Routa Region of Central Sulawesi  
 7-k Sarah Youngblutt—The Angkorean Ethnoscape: Reconciling the Disjuncture between Public Discourse and the Archaeological Record through an Analysis of Angkorean Sites of World Heritage in Thailand, Laos, and Cambodia.  
 7-l Mariana Sanders, John Peterson, and Stephen Acabado—Geoarchaeology in the Philippines: Connecting People to Their Landscapes

**[8] POSTER SESSION ■ THE ARCHAEOLOGY AND CULTURAL HERITAGE OF IRINGA, SOUTHERN TANZANIA**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Chair:** Pamela Willoughby

**Participants:**

- 8-a Pamela Willoughby—The Stone Age prehistory of Iringa, Tanzania  
 8-b Jennifer Miller—Possible Middle Stone Age Ostrich Eggshell Beads  
 8-c Katie Biittner—Footprints and Black Stones: Documenting Cultural Heritage Sites in Iringa  
 8-d Frank Masele—Middle Stone Age Fauna from Loiyangalani and Magubike,

Tanzania

**[9] POSTER SESSION ■ ENVISIONING ÇATALHÖYÜK**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Chairs:** Kathryn Killackey, James Taylor, and Joshua Sadvari

**Participants:**

- 9-a Grant Cox and Graeme Earl—Computer Visualization of Çatalhöyük
- 9-b Lindsay Der—Human-Animal Relations and Social Organization at Çatalhöyük, Turkey
- 9-c Lisa Guerre—Finders, Keepers: Collections Management Practices at the Çatalhöyük Research Project
- 9-d Scott Haddow, Christopher Knüsel, Joshua Sadvari, Nicolò Dell'Unto, and Maurizio Forte—Bioarchaeology in 3D: Three-Dimensional Modeling of Human Burials at Neolithic Çatalhöyük
- 9-e Justine Issavi, Maurizio Forte, Nicolo Dell'Unto, and Nicola Lercari—Envisioning 3D Archaeology at Çatalhöyük
- 9-f Kathryn Killackey—Drawings and Dialogues: Illustrating Landscape at Çatalhöyük
- 9-g Ashley Lingle—Deconstructing the Walls of Çatalhöyük
- 9-h Camilla Mazzucato—GIS Practice at Çatalhöyük: From Excavation to Digital Representation
- 9-i Allison Mickel—Diary of the Day: Database to Display
- 9-j Sharmini Pitter, Nerissa Russell, Ian Hodder, and Richard P. Evershed—Food Residue Fatty Acid C and H Stable Isotopes as Proxies for Evaluating Cultural and Climatic Change at Çatalhöyük, Turkey
- 9-k James Taylor—Making Time for Space at Çatalhöyük: Exploring Spatiotemporality within Complex Stratigraphic Sequences Using GIS
- 9-l Milena Vasic and Kathryn Killackey—Body Adornment at Çatalhöyük

**[10] SYMPOSIUM ■ TOWARD A DATA STANDARD FOR PALEOLITHIC ARCHAEOLOGY**

**Room:** 303B (HCC)

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

**Chairs:** Denne Reed and Shannon McPherron

**Participants:**

- 8:00 Denne Reed—PaleoCore: A Data Integration Initiative for Prehistory
- 8:15 John Kappelman, Marvin Kay, Lawrence Todd, and Abraham Thompson—Back to the Future: William Henry Holmes and the MSA in the Horn of Africa
- 8:30 Elisabeth Hildebrand and Steven Brandt—Negotiating Trade-Offs in Establishing Standards for Data Resolution and Inter-site Comparability: Insights from Two Projects in Eastern Africa
- 8:45 William Barr, Tomislav Urban, and Denne Reed—A Comparison of Ontologies and Data Schemas in Paleolithic Archaeology
- 9:00 Keith Kintigh, Francis McManamon, and Katherine Spielmann—Enhancing Data Comparability and Research Collaboration with tDAR: the Digital Archaeological Record
- 9:15 Erich Fisher and Curtis Marean—Technical Considerations of Metadata Standards for Digital Spatial Archaeological Data
- 9:30 Alison Brooks, Richard Potts, Matthew W. Tocheri, and Christian A. Tryon—Coding the Palaeolithic of East Africa: Problems, Possibilities, and Procedures
- 9:45 Harold Dibble and Shannon McPherron—Developing a Standardized Methodology for Paleolithic Excavation and Analysis
- 10:00 William Gilbert—Multi-institution Specimen Metabases and Priority

**[11] GENERAL SESSION ■ NEW INSIGHTS AND DATA IN HOMINID BIOLOGICAL AND CULTURAL EVOLUTION**

**Room:** 305A (HCC)  
**Time:** 8:00 AM - 10:15 AM  
**Chair:** James Enloe

**Participants:**

- 8:00 James Enloe, Theodore Marks, and Grant McCall—Stratified MSA and LSA in the Namib: Preliminary Results from Erb Tanks  
8:15 Kathryn Ranhorn, Alison S. Brooks, Fidelis Masao, and John E. Yellen—Preliminary Survey of the Middle Stone Age of Southeastern Tanzania  
8:30 Robyn Pickering—"The time Has Come": The New Role of the U-Pb Geochronometer Applied to the South African Early Hominin Sites  
8:45 Peter MacNeilage—On the Evolution of the Relationship between Speech Production and Body/Hand Control  
9:00 Kathleen Gibson—Interpreting Archaeological Evidence for Language Evolution  
9:15 Natalie Uomini—Right-Handedness in Palaeolithic Hominins: Results from a 3D Laser-Scanning Study of Flint Flakes  
9:30 Alexa Benson and Rainer Grun—Laser Ablation Depth Profiling of U-Series and Sr Isotopes in Human Fossils  
9:45 Charles Perreault—The Pace of Cultural Evolution  
10:00 Micah Hale—Stable Social Institutions Provide Context for Group Selection among Hunter-Gatherers

**[12] SYMPOSIUM ■ CALIFORNIA ABORIGINAL SOCIOPOLITICAL GROUPS, BOUNDARIES, AND THEIR FORMATION**

**Room:** 318B (HCC)  
**Time:** 8:00 AM - 10:30 AM  
**Chairs:** William Hildebrandt and Robert Bettinger

**Participants:**

- 8:00 Robert Bettinger—Discussant  
8:15 Richard Fitzgerald, Nathan Stevens, and Jeffrey Rosenthal—The Dye Is Cast: Migration, Cultural Diversity, and Boundaries of Prehistoric California 12000 to 8000 cal B.P.  
8:30 Kelly McGuire—Incised Stones and Social Identity: A Case Study in the Rise of Complex Social Formations in Northern California during the Archaic Period  
8:45 Michael Delacorte, Mark Basgall, and Lynn Johnson—Sociopolitical Dynamics in the Late Prehistoric Southwestern Great Basin  
9:00 Jeff Rosenthal—Toward a Social Landscape of Prehistoric Central California  
9:15 Al Schwitalla, Terry Jones, and Marin Pilloud—Sociopolitical Organization and Violence in Central California: The Bioarchaeological Record  
9:30 Allika Ruby and Al Schwitalla—The Antiquity of Southern Wintuan Occupation in the Sacramento Valley of California  
9:45 Darren Andolina and Adie Whitaker—Habitat Suitability and the Establishment and Maintenance of Social Boundaries  
10:00 William Hildebrandt—Territorial Expansion of Wintu Tribelets in North-Central California during Late Prehistoric and Ethnohistoric Times  
10:15 John Johnson—Sociopolitical Groups and Boundaries in Southern California: An Empirical Analysis Using Ethnohistorical Data

**[13] SYMPOSIUM ■ SPACE AND AVIATION HERITAGE: AN ARCHAEOLOGICAL AND HISTORIC**

**PRESERVATIONIST PERSPECTIVE**

**Room:** 319A (HCC)

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

**Chairs:** Lisa Westwood and Beth O'Leary

**Participants:**

- 8:00 Beth O'Leary—To Boldy Go Where No Man Has Gone Before: Approaches in Space Archaeology and Heritage  
8:15 Peter Capelotti—Mobile Artifacts in the Solar System and Beyond  
8:30 Margaret (Ann) Darrin—Space Environmental Effects on Material Remains  
8:45 Alice Gorman—Robot Avatars: The Material Culture of Human Activity in Earth Orbit  
9:00 Justin Walsh—Self-Destruction, Recycling, and Archaeology: Recent Developments in the Space Industry and Their Consequences for the Future of the Past  
9:15 Hanna Szczepanowska—The Space Shuttle Discovery; Cultural and Scientific Legacy  
9:30 Wayne Donaldson—The Preservation of California's Military Cold War Era Cultural Resources  
9:45 Joseph Reynolds—One Small Step: An Analysis of International Space Law and How It Effects Historic Preservation  
10:00 Lisa Westwood—World Heritage List Designations of Early Space Exploration Heritage Sites  
10:15 Q&A

**[14] SYMPOSIUM ■ COMPLEX SOCIAL WORLDS: EXPLORING EPISTEMOLOGIES AND ONTOLOGIES OF AGENCY AND PERSONHOOD**

**Room:** 316A (HCC)

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

**Chairs:** Eleanor Harrison-Buck and Julia Hendon

**Participants:**

- 8:00 Eleanor Harrison-Buck and Julia Hendon—Exploring Epistemologies and Ontologies of Agency and Personhood: An Introduction  
8:15 Erica Hill—Personhood and Agency in Eskimo Interactions with the Other-than-Human World  
8:30 Matthew Looper—Objects with Voices among the Ancient Maya  
8:45 Linda Brown—Personhood, Nawales, and Sacred Objects: A Case Study from the Contemporary Tz'utujil Maya Area  
9:00 Julia Hendon—Crafting Persons in Mesoamerica: Technological Processes and Relational Identities  
9:15 Amy Groleau—Practicing Personhood: Enacting Social Relationships in the Wari Empire  
9:30 Benjamin Alberti and Andres Laguens—Reticent Pots, Preoccupied People: Coping with Ontological Ambiguity in First Millennium AD Northwest Argentina  
9:45 Lambros Malafouris—How to Think about the Self: An Integrative Perspective  
10:00 Severin Fowles—Discussant  
10:15 Q&A

**[15] SYMPOSIUM ■ CITIES, LARGE VILLAGES, OR NEITHER? THE CONUNDRUM OF CAHOKIA, THE OPPIDA, THE YORUBA TOWNS, AND OTHERS**

**Room:** 301A (HCC)

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

**Chairs:** Nam Kim and Timothy Pauketat

**Participants:**

- 8:00 Nam Kim—Co Loa: An Ancient Capital City of Vietnam  
 8:15 Timothy Pauketat and Timothy Pauketat—Cities, Would-Be Cities, and the Case of Cahokia  
 8:30 Adam Rogers—The Oppida of Later Iron Age Europe  
 8:45 Stephen Lekson—Southwestern Cities?  
 9:00 Innocent Pikirayi—Early 2nd Millennium A.D. Future Cities of Southern Zambezia: Great Zimbabwe as an Urban Complex and Centre of a State  
 9:15 John Chapman and Bisserka Gaydarska—The Revolution in Tripillia Mega-site Studies: The Example of Nebelivka  
 9:30 Eduardo Neves, Michael Heckenberger and Claude Moraes—Super Villages, Small Towns, Garden Cities: Understanding the Large Settlements of Late Precolonial Amazonia  
 9:45 Chapurukha Kusimba—The African City: Yoruba and Swahili Urbanism  
 10:00 Roland Fletcher—Discussant  
 10:15 Q&A

**[16] GENERAL SESSION ■ NEW INSIGHTS IN SOUTHWESTERN ARCHAEOLOGY**

**Room:** 317A (HCC)  
**Time:** 8:00 AM - 10:30 AM  
**Chair:** Kristin Kuckelman

**Participants:**

- 8:00 William Deaver and Mark Chenault—A Reconsideration of the Hohokam Polvorón Phase  
 8:15 Kathryn Putsavage—Social Transformations in the Mimbres Region of Southern New Mexico from A.D. 1150 to 1450: An Investigation of the Black Mountain Site (LA 49)  
 8:30 Katie Grundtisch, Scott Ortman, Timothy Kohler, and Carly Fitzpatrick—Population Dynamics and Warfare in the Northern Rio Grande Region  
 8:45 Lauren OBrien—New Investigations of Pithouses in the Northern Taos Valley  
 9:00 Erin Baxter—Re-“Imaging” Aztec Ruins: An Assessment of Great House Architecture Form and Function through Historic Morris Photographs  
 9:15 Walter Dodd—On the Face of It: Rethinking the Cliff Dweller Phenomenon  
 9:30 Kristin Kuckelman—Slipping Off the Bubble: Episodes of Ancestral Pueblo Population Movement in the Mesa Verde Region, A.D. 800 to 1300  
 9:45 Dawn Mulhern and Mona Charles—Trauma Patterns in a Basketmaker II Population from Durango, Colorado  
 10:00 Mona Charles and Dawn Mulhern—Burial Context, Funerary Objects and Chronology in the Basketmaker II Population from Durango, Colorado  
 10:15 James Allison—The Archaeology of Archaeology: 2012 Excavations at Alkali Ridge Site 13

**[17] SYMPOSIUM ■ MULTIETHNIC POPULATION IN NEIGHBORHOOD CENTERS AT TEOTIHUACAN: A VIEW FROM TEOPANCAZCO**

**Room:** 314 (HCC)  
**Time:** 8:00 AM - 10:45 AM  
**Chair:** Linda Manzanilla

**Participants:**

- 8:00 Linda Manzanilla and Luis Adrián Alvarado—Funerary Patterns, Sex, and Age Profiles, and Activity Markers of the Teopancazco Individuals at Teotihuacan  
 8:15 Gabriela Mejia Appel—Eating Patterns of the Population of Teopancazco through PIXE Analysis

- 8:30 Peter Schaaf, Gabriela Solís-Pichardo, Peter Horn, Teodoro Hernández-Treviño, and Linda R. Manzanilla—Methodological Advances in Human Migration Studies Using Sr Isotope Ratios  
8:45 Isabel Casar, Isabel Casar, Edith Cienfuegos, Pedro Morales, and Linda Manzanilla—Carbon and Nitrogen Isotopic Ratios of Tooth Collagen and Apatite in the Reconstruction of Human Diet in Teopancazco Teotihuacan, Mexico  
9:00 Pedro Morales, Edith Cienfuegos, Isabel Casar, Linda R Manzanilla, and Francisco Otero—Geographic Origins and Immigration of the Teopancazco Population in the Context of the Ancient city of Teotihuacan México: Stable Oxygen Isotopic Evidence  
9:15 Gabriela Solís-Pichardo, Peter Schaaf, Teodoro Hernandez-Treviño, Becket Lailson-Tinoco, and Linda R. Manzanilla—Migration in Teopancazco, Teotihuacan: Evidence from Sr Isotopic Studies  
9:30 Rafael Montiel, Brenda A. Alvarez-Sandoval, and Linda R. Manzanilla—Genetic Analysis in Teopancazco: Inferences on Multiethnicity  
9:45 Lilia Escorcia, Linda R. Manzanilla, and Fabio Barba—Faces of Teotihuacan Ethnicity: Facial Approximation of Five Skulls of the Classic Period  
10:00 T. Douglas Price—Migration to and from Teotihuacan: An Isotopic Perspective  
10:15 Margaret Schoeninger—Discussant  
10:30 T. Douglas Price—Discussant

**[18] SYMPOSIUM ■ ROCK ART IN BROAD PERSPECTIVE: METHOD AND INTERPRETATION IN CONTEMPORARY PRACTICE**

*(Sponsored by Rock Art Interest Group)*

**Room:** 316C (HCC)

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

**Chair:** Lenville Stelle

**Participants:**

- 8:00 Johannes Loubser—Dark Hill of Omens, Hill of Seeking: Ethnography of Place and Petroglyphs in Hawai'i  
8:15 Robert Mark and Evelyn Billo—Using iPads for Rock Art Documentation  
8:30 Daniel Arsenault—E=MCo, an Equation for Studying the Timeframes of World Rock Art Applying the Concept of "Chaîne Opératoire" in the Interpretation of a Rock Art Site and Its Setting throughout Its Time of Existence  
8:45 Michael Bies—Rolling Rock  
9:00 Francis Scardera—Evidence for Rock Art among the Haudenosaunee  
9:15 Q&A  
9:30 David Whitley—Hawaiian Cupules and Numic Vulva-Forms: Aspects of Gender and Rock Art  
9:45 Evelyn Billo, Robert Mark, and Donald E. Weaver, Jr—Sears Point Rock Art and Beyond: 2008-2012 Recording Project, Arizona, U.S.A.  
10:00 Michele Hayward, Frank Schieppati, and Michael Cinquino—Rock Art and Ball Courts: Caribbean Style  
10:15 Reinaldo Morales—The Oldest Rock Art in the Americas?  
10:30 Jane Fye—What's All This Other Art? A Preliminary Report on the Diverse and Distinct Rock Art of the Southern Kimberley, Western Australia

**[19] SYMPOSIUM ■ SOUTH AMERICAN CERAMICS**

**Room:** 306A (HCC)

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

**Chairs:** Maline Werness-Rude and Kimberly Jones

**Participants:**

- 8:00 Karen ODay—Inferring Identity of Gran Coclé Anthropomorphic Effigy Vessels ca. 550-1150 C.E.  
 8:15 Isabelle Druc—Consumers Dictate, Potters Adapt: A View from the Andes  
 8:30 Eisei Tsurumi—The Early Ceramic from Tembladera and Its Chronological Sequence  
 8:45 Kimberly Jones—Sculpted Vessels: Content and Comparisons in Cupisnique Material Culture  
 9:00 Jean-Francois Millaire, Flannery Surette, and Jordan Downey—Entangled Pots and Rags: Luxury-Objects Making in the Virú Valley, Peru  
 9:15 Juliet Wiersema—Moche Architectural Vessels as Diagrams of Sacred Space  
 9:30 George Lau—Intermediality and the Recuay style (A.D. 200-600), North Highlands of Peru  
 9:45 Maline Werness-Rude and Lisa DeLeonardis—Burned, Bundled, Buried: The Substance and Context of Paracas Ceramic Offerings  
 10:00 Yuichi Matsumoto—Paracas in the Highland? Interregional Interactions between the Peruvian South Coast and South-Central Highlands  
 10:15 Lauren Gallow and Deborah Spivak—Alternative Style: Abstraction in Loro Ceramics of the Middle Horizon South Coast  
 10:30 Kevin Vaughn—Discussant  
 10:45 Q&A

**[20] SYMPOSIUM ■ OLD DOGS, NEW TRICKS: RECENT RESEARCH ON DOGS IN THE PAST**

**Room:** 309 (HCC)

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

**Chairs:** Angela Perri and Greger Larson

**Participants:**

- 8:00 Greger Larson, Keith Dobney, Ophelie Lebrasseur, Rick Knecht, and Phil Piper—Dog Domestication and Human Dispersal  
 8:15 Morgane Ollivier, Christophe Hitte, Anne Tresset, Jean-Denis Vigne, and Hänni Catherine—Phenotypic Variations in Ancient Dogs: A Gleam from the Past to Shed New Light on Domestication  
 8:30 Olaf Thalmann, Matthias Meyer, Mietje Germonpré, Richard E. Green, and Robert K. Wayne—New Insights into Dog Domestication – Inferences from Complete Mitochondrial Genomes of the Most Ancient Dogs/Wolves  
 8:45 Sarah Brown, Christyann Darwent, and Ben Sacks—Ancient DNA Analysis of Dog Remains from the North American Arctic  
 9:00 Melanie Fillios—Companion or Competitor? Exploring the Dingo-Human Relationship from an Archaeological and Ecological Perspective  
 9:15 Angela Perri—The Hunting Dogs of Jomon-Period Japan  
 9:30 Q&A  
 9:45 Ellen McManus, Kate Britton, Keith Dobney, and Rick Knecht—A Stable Isotope Investigation of Human-Dog Relationships at a Permafrost-Preserved Site in Prehistoric Western Alaska  
 10:00 Eric Guiry, Colin Smith, Vaughan Grimes, and Domingo Salazar-García—Dogs as Dietary Proxies for Humans in the Spanish Copper Age: A Case Study Using Bulk and Compound Specific Stable Carbon Isotope Analyses  
 10:15 Kasia Zimmerman—“A Part of the People”: Tla’amin čeʔno (dogs) through Time  
 10:30 Raúl Valadez and Bernardo Rodríguez—The Dog and Mesoamerican Civilization: Analysis and Contrast between Traditionally Anthropological Thought and Actual Scientific Knowledge  
 10:45 Monica Beron—Engagement between Prehispanic Hunter-Gatherers and Dogs from Western Pampa, Argentina: Diet and Mortuary Practices

- [21] **SYMPOSIUM ■ XULTUN: RECENT INVESTIGATIONS AT A CLASSIC MAYA METROPOLIS IN THE NORTHEAST PETEN**  
**Room:** 324 (HCC)  
**Time:** 8:00 AM - 11:15 AM  
**Chair:** Franco Rossi

**Participants:**

- 8:00 Ana María Díaz Rocha—Early Origins of Xultun: Use and Reuse of Monumental Architecture in the Maya Lowlands  
8:15 Patricia Rivera Castillo, Boris Beltrán, David Del Cid, Estuardo Casasola, and William Saturno—Tomb or Offering? Analyzing the Findings in Structure 11J7 at Xultun, Guatemala  
8:30 Thomas Garrison—Los Bajeros: Rural Ancient Maya at Xultun and El Zotz  
8:45 Lauren Santini—The Fabricated Forest: Reconstructing Ancient Human Intention, Cultural Behaviors, and Effects on the Development of the Modern Forest through the Lens of San Bartolo/Xultun  
9:00 Jonathan Ruane—An Urban Reservoir at Xultun, Guatemala  
9:15 Omar Alcover Firpi and David Ricardo Del Cid Castillo—Development of the 12H3 Pyramid in Xultun  
9:30 Jennifer Wildt—Peopling the Plazas at Xultun, Guatemala  
9:45 Mary Clarke—Reconstructing Los Sapos: An Examination of Iconography in Context  
10:00 Franco Rossi—Taaj Group: Investigating the Home of a Xultun Scribe  
10:15 Heather Hurst and Franco Rossi—Making Art: Defining Artist Practice and Organization at Xultun, Guatemala  
10:30 Anthony Aveni and David Stuart—“Calendrics, Astronomy, and Math at the ‘Xultun Institute of Advanced Study’”  
10:45 William Saturno—Discussant  
11:00 Daniela Triadan—Discussant

- [22] **SYMPOSIUM ■ KOREAN PREHISTORY: CURRENT MULTIDISCIPLINARY PERSPECTIVES**  
**Room:** 316B (HCC)  
**Time:** 8:00 AM - 11:30 AM  
**Chair:** Christopher Bae

**Participants:**

- 8:00 Yongwook Yoo—Blank Acquisition and Its Manipulation for Making the IHRA Handaxes, Korea  
8:15 Kiryong Kim and Kidong Bae—Stone Industry and Chronology of Mansuri Site, Korea  
8:30 Chulmin Lee, Kiryong Kim, Euiju Shin, Kidong Bae, and Christopher Bae—Perspective of Excavation of Mosan Cave Site, Mungyeong, Korea  
8:45 Sangyoung So—The Location of Neolithic Sites in Central-Western Korea Related to the Change of the Holocene Environment  
9:00 Bumcheol Kim—The Larger, the Safer? Understanding Changes in Household Patterns in the Transition of Early to Middle Bronze Ages, Central-Western Korea  
9:15 Kisung Yi—From Stone to Wood: Cultural Transmission of New Technologies and Changes in Tools  
9:30 Christopher Bae, Claudia Astorino, and Jennie Jin—Late Pleistocene Hominin Fossils from Ryonggok (Democratic People's Republic of Korea): Linear and Geometric Morphometric Perspectives  
9:45 Sang-Hee Lee, Seonbok Yi, and Damdinsuren Tseveendorj—Salkhit and Human Evolution in Northeast Asia  
10:00 Jennie Jin, Ashley Burch, and Hye-Jin Lee—Not All Asians Look the Same:

- 10:15 Craniofacial Geometric Morphometric Analysis of Various Asian Populations  
Jong Bhak, Jong Bhak, YoungAh Shin, Sanghoon Song and PASNP Consortium—Single route Asian migration and Koreans by genetic markers
- 10:30 Yangseung Jeong, Eun Jin Woo, and Sunyoung Pak—Comparing of the Level of Dental Fluctuating Asymmetry between Hypoplastic and Non-Hypoplastic Skeletal Samples from the Joseon Dynasty, South Korea
- 10:45 Jieun Kim—Potentials of Transition Analysis in Its Application to Korean Archaeological Skeletal Samples
- 11:00 Myeung Ju Kim, Min Seo, Chang Seok Oh, and Dong Hoon Shin—Archaeoparasitological Studies in Korea
- 11:15 Kidong Bae—Discussant

**[23] SYMPOSIUM ■ NEW DIRECTIONS IN MODELING DYNAMICS FOR COUPLED SOCIAL-NATURAL SYSTEMS**

*(Sponsored by Network for Computational Modeling in Social and Ecological Sciences [CoMSES Net] and Coupled Human)*

**Room:** 317B (HCC)

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

**Chairs:** C. Michael Barton and Sander Van Der Leeuw

**Participants:**

- 8:00 Enrico Crema—An Abstract Model of Endogenous and Exogenous Fission-Fusion Dynamics
- 8:15 Iza Romanowska, Ben Davies, Tom Brughmans, and David O'Sullivan—Finding Resources in a Desert: An Agent-Based Model of Hunter-Gatherer Foraging
- 8:30 Jacob Freeman and John M. Anderies—A Model of Hunter-Gatherer Intensification
- 8:45 Sean Bergin and C. Michael Barton—Dimensions of Human Land-Use Practices: An Exploration of Socio-Natural Interactions in Neolithic Spain
- 9:00 Isaac Ullah and C. Michael Barton—Simulating “Collapse”: A Computational Modeling Approach to Understanding Adaptive Reorganization in Low-Level Socio-Natural Systems
- 9:15 John Murphy, Mark Altaweel, Lilian Alessa, and Andrew Kliskey—Water Then and Water Now: Computational Approaches to Modeling Archaeological and Contemporary Water Management
- 9:30 Kelsey Reese, R. Kyle Bocinsky, Addy Donyina, Donna Glowacki, and Scott Ortman—What Are Communities, Really?
- 9:45 Q&A
- 10:00 Kathleen Galvin—Linking Decision-Making to Ecosystem Services: Using an Integrated Modeling Approach
- 10:15 Andrew Bevan and Andrew Bevan—Joint Evolutionary Models of Places, Paths, and Landscapes
- 10:30 Scott Heckbert—Growing the Ancient Maya Social-Ecological System from the Bottom Up
- 10:45 J. Daniel Rogers, Claudio Cioffi-Revilla, Paul Schopf, and Sean Luke—Climate Change, Extreme Weather, and the Cyber Long View: Experiments in Agent-Based Modeling
- 11:00 Shawn Graham—Discussant
- 11:15 Jed Kaplan and Carsten Lemmen—From Forest to Farmland and Meadow to Metropolis: Global Anthropogenic Land Cover Change over the Holocene
- 11:30 Sander Van Der Leeuw—Discussant

**[24] SYMPOSIUM ■ BEYOND PERIPHERIES: MATERIAL AND CONCEPTUAL BORDERLANDS OF BECOMING**

**Room:** 323A (HCC)  
**Time:** 8:00 AM - 11:45 AM  
**Chair:** Neal Ferris

**Participants:**

- 8:00 Gwen Bennett—Borders on the Land, Borders in the Mind: The Archaeology of the Khitan/Liao Period in North China  
8:15 Ulrike Green and Kirk E. Costion—Modeling Ranges of Cross-Cultural Interaction in Ancient Borderlands  
8:30 Charles Cobb and Chester DePratter—The Many Faces of Colonial Borderlands  
8:45 Aubrey Cannon—Protocols in Residential Site Placement and Regional Interaction on the Northwest Coast  
9:00 Richard Hingley—A Chorography of Becoming for the Northern Frontier of England  
9:15 Jeremy Cunningham—Recentering Peripheries: Domestic Production in Paquimé's Hinterland  
9:30 Linda Howie and Sherman Horn III—The Same Thing Only Different: Maya Identity Construction in the Eastern Lowland "Borderlands"  
9:45 Michael Spence—Urban Borderlands: The Oaxaca Barrio of Teotihuacan  
10:00 Christopher Watts—Becoming Animal in Iroquoian Corporealities  
10:15 Neal Ferris—On Becoming within and beyond Archaeological Borderlands  
10:30 Meghan Howey—Impossible But Everyday Affairs in the Borderlands of the Upper Great Lakes, 1200-1600  
10:45 Susan Blair and Melanie Wiber—Ancient "Mesh Societies"? What Augustine Mound Can Teach Us about Deconstructing Centres and Boundaries  
11:00 Thomas Emerson—Ethnogenesis and Political Formation on Cahokia's Northern Frontier  
11:15 Susan Alt—Immigrants on the Border: Cahokia and the Synergy of Mississippian on the Edge  
11:30 Maureen Meyers—Exchange, Control, and Power at a Mississippian Periphery: The Fourteenth-Century Carter Robinson Chiefdom

**[25] SYMPOSIUM ■ USING THE BRUKER TRACER IIIV+ PORTABLE ED-XRF ANALYZER TO INVESTIGATE COMPOSITIONAL VARIATION IN ARCHAEOLOGICAL CERAMICS AND NATURAL CLAYS**

**Room:** 319B (HCC)  
**Time:** 8:00 AM - 12:00 PM

**Chairs:** John Richards and Patricia Richards

**Participants:**

- 8:00 Bruce Kaiser—Photon Physics in Archaeology: The State of the Art  
8:15 Elissa Hulit—A Statistical Model for Compositional Analysis and Clay Sourcing Using the Portable X-Ray Fluorescence Device for Analysis of Prehistoric Ceramics  
8:30 Jocelyn Boor—Compositional Analysis of Bronze Age Ceramics from Tell Hadidi, Syria: A Comparison of Three Data Sets  
8:45 William Balco—Compositional Analysis of Indigenous Iron Age Pottery from Western Sicily: From Challenge to Interpretation  
9:00 Michelle Birnbaum—Characterizing North Bay Ceramic Pastes Using pXRF, XRD, and Optical Petrography  
9:15 Jennifer Haas—Middle Woodland in Southeast Wisconsin: Ceramic Composition at the Finch Site  
9:30 Jennifer Picard, Jennifer Haas, and Ricky Kubicek—Sourcing Late Woodland

- Collared Ware and Madison Ware Vessels from the Finch Site, Southeast Wisconsin  
9:45 Seth Schneider—Oneota Interaction among Three Localities in Eastern Wisconsin: Ceramic Compositional Analyses of Six Oneota Pottery Assemblages  
10:00 Q&A  
10:15 Marcus Schulenburg—Identifying Non-Local Pottery: pXRF Analysis of two Fort Ancient Assemblages  
10:30 John Richards and Seth Schneider—Ceramic Paste Composition at Cahokia and Aztalan: A Comparison Using Portable X-ray Fluorescence and Ceramic Petrography  
10:45 Thomas Zych—Stylistic and Compositional Variability in Pottery from the Northeast Platform Mound at Aztalan  
11:00 Jill Kotwasinski and John Richards—A Compositional Perspective on Ceramics from the 2011 UWM Excavations at the Aztalan Site  
11:15 Patricia Richards and Lisa Zimmerman—Belgian Brickworks on the Door Peninsula: A Preliminary Compositional and Spatial Analysis of Hand-Molded Bricks from the Vandermissen Brickworks  
11:30 George Calfas, Michelle Birnbaum, and John Richards—These Pots Talk: Where Were Face Vessels Manufactured?  
11:45 James Skibo—Discussant

- [26] SYMPOSIUM ■ NEW APPROACHES TO THE ARCHAEOLOGICAL AND BIOARCHAEOLOGICAL STUDY OF SOUTH AMERICAN HUNTER-GATHERER SOCIETIES**  
**Room:** 315 (HCC)  
**Time:** 8:00 AM - 12:00 PM  
**Chairs:** Marta Alfonso-Durruty and Flavia Morello Repetto

**Participants:**

- 8:00 Marta Alfonso-Durruty and Flavia Morello—Haunted by the Hunter: In the Trail of the South American Models for Prehistoric Hunter-Gatherers  
8:15 Lucas Bueno—Peopling the Eastern South America: Occupying the Landscape and Constructing Territories in Central Brazilian Plateau during Pleistocene/Holocene Transition  
8:30 Antoine Lourdeau—Advances in Lithic Technology of Prehistoric Hunter-Gatherer Societies in Central and Northeast Brazil  
8:45 Fabiana María Martin, Francisco Juan Prevosti, Charles R. Stern, Manuel San Román, and Flavia Morello—New Late Pleistocene Faunal Evidences from Cerro Benítez, Última Esperanza, Chile  
9:00 Flavia Morello Repetto, Consuelo Huidobro, Luis Borrero, Manuel San Roman, and Fabiana Martin—Hunter Gatherers of Cerro Benítez, Southern Patagonia: Discussing Environmental Changes and Cultural Developments over 10.000 Years  
9:15 César Méndez Melgar, Omar Reyes, Amalia Nuevo Delaunay, Juan García, and Charles Stern—Holocene Human/Environment Dynamics along the Eastern Andean Flank of Central Patagonia (Aisén Region, Chile)  
9:30 Peter Stahl—Mammalian Archaeofaunal Accumulations at the Las Vegas site and Early Human/Animal Relationships in Southwestern Ecuador  
9:45 Manuel San Roman, Jimena Torres, and Flavia Morello—Maritime Peopling Sequences on Southern Patagonia and Tierra del Fuego: Discussing Discontinuity and Reassessing Cultural Traditions  
10:00 Nicole Misarti, Luis Borrero, Manuel San Roman, Herbert Maschner, and Bruce Finney—Marine Paleo-Food Webs from Southernmost Patagonia: Tracing Human Resource use by Geographic Area through Stable Isotope Analysis

- 10:15 Gustavo Barrientos and Juan Bautista Belardi—Patterns and Processes of Holocene Hunter-Gatherer Diversification in Southern Patagonia  
10:30 Vivien Standen, Bernardo Arriaza, and Calogero Santoro—A Bioarchaeological Model of Early Sedentism in Chinchorro hunters, Fishers, and Gatherers in the North of Chile (7000-3700 B.P.)  
10:45 Leslye Valenzuela—Projectile Points as Symbols during the Late Archaic in the Central Coast of Peru (3000-1500 cal B.C.): Origin, Technology, and Use of a Lithic Find in Cerro Lampay  
11:00 Karen Borrazzo, Karen Borrazzo, Marcelo Cardillo, and Judith Charlin—Spatial Patterns in Late Holocene Lithic Technology of Tierra del Fuego: Evidences from Raw Material and Projectile Point Variations  
11:15 Amalia Nuevo Delaunay, Juan Bautista Belardi, Flavia Carballo Marina, and Hernán De Angelis—Contact, Disarticulation, and Continuity in Tehuelche Groups: Settlement Patterns and Technology in South Patagonia (Santa Cruz, Argentina)  
11:30 Daniel Sandweiss—Discussant  
11:45 Luis Borrero—Discussant

**[27] SYMPOSIUM ■ THEORETICAL AND METHODOLOGICAL ISSUES FOR OCEANIC COLONIZATION**  
**Room:** 312 (HCC)  
**Time:** 8:00 AM - 12:00 PM  
**Chair:** Timothy Rieth

**Participants:**

- 8:00 David Burley—First Settlement and Population Expansion Reconsidered in West Polynesia  
8:15 Timothy Rieth and Alex Morrison—Reanalysis of the Earliest Deposits in American Samoa Using Bayesian and Age-Depth Models  
8:30 Jeffrey Clark—Residential Mobility: A Model of Early Settlement Systems in the Central Pacific  
8:45 Alex Morrison and Melinda Allen—Did Climate Change Drive Polynesian Migrations and Island Colonization? Modeling Climate Effects on Marine Ecosystems and Human Resources  
9:00 Guillaume Molle and Eric Conte—New Investigations on Hane Dune Site (Ua Huka) and the Implications for the Colonization of the Marquesas Islands  
9:15 Mara Mulrooney and Simon Bickler—Radiocarbon Chronologies at the Margins of East Polynesia  
9:30 John O'Connor—Fishhook Variability in East Polynesia  
9:45 Amy Commandador, Julie Field, John Dudgeon, and Timothy Rieth—The Diet of Rodents, Pigs, and Dogs in Prehistoric Hawai'i Island: Implications for an Evolving Agricultural Landscape from Isotopic Analyses  
10:00 Christopher Filimoehala and David Addison—Examining the Late Settlement of Tokelau  
10:15 Scott Fitzpatrick, Greg Nelson, and John Krigbaum—Palau's Position in the Colonization and Settlement of the Pacific: New Perspectives from the Chelechol ra Orrak Rockshelter  
10:30 Michael Pietrusewsky, Hallie Buckley, and Dimitri Anson—Polynesian Origins: Biodistance Studies of Crania, Mandibles, and Some Lapita Skeletons  
10:45 Karen Kadohiro, Adam Lauer, and Michael Pietrusewsky—Using Spatinal Variation Analyses to Test Biological Distance Models in Pacific Populations  
11:00 Bruce Floyd and Ben Davies—A Question of Oceanic Proportions: Demographics, Migration, and Morphology in Remote Oceania  
11:15 Estelle Herrscher, Frédérique Valentin, Hallie Buckley, Stuart Bedford, and

- Matthew Spriggs—Changing Subsistence Patterns during the First Millennium B.C. in the South Western Pacific  
11:30 Cherie Walth—Social, Cultural, Biological Relatedness Based on the Skeletal Remains of Pre-Latte and Latte Period Samples from Guam  
11:45 Ethan Cochrane—Discussant

**[28] SYMPOSIUM ■ LITHIC TECHNOLOGICAL ORGANIZATION AND PALEOENVIRONMENTAL CHANGE**

**Room:** 323C (HCC)

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

**Chairs:** Erick Robinson and Frederic Sellet

**Participants:**

- 8:00 Erella Hovers and René Bobe—Was Oldowan Lithic Technology Responsive to Environmental Change?  
8:15 Philip Van Peer—Diversity and Change in Lithic Technological Organization in the Northeast African MSA  
8:30 Alexander Mackay and Emily Hallinan—Provisioning Responses to Environmental Variation from MIS 4-2 in the Western Cape, South Africa  
8:45 Julien Riel-Salvatore and Fabio Negrino—Lithic Technology, Mobility, and Human Niche Construction in Early Upper Paleolithic Italy  
9:00 Erick Robinson and Philippe Cromb  —Early Holocene Abrupt Climate Change and Hunter-Gatherer Lithic Technological Organization in Northwest Europe  
9:15 Peter Hiscock—Australian Lithics and Environmental Change  
9:30 Chris Clarkson—What Gave Rise to the South Asian Microlithic? Modern Human Arrival or Climate Change?  
9:45 Kazuki Morisaki, Masami Izuho, and Hiroyuki Sato—Human Reactions to the Environmental Change of the Pleistocene-Holocene Transition in the Japanese Archipelago  
10:00 Loukas Barton, Robert Bettinger, Christopher Morgan, and Mingjie Yi—Winter Mobility and the Microblade Adaptation in Asia and Alaska  
10:15 Kelly Graf and Angela Gore—Technological Organization at Owl Ridge and Dry Creek: Human Response to Late Pleistocene Environmental Change in Central Alaska  
10:30 Ted Goebel—Technological Change from the Terminal Pleistocene to Middle Holocene in the Eastern Great Basin, U.S.A.  
10:45 Frederic Sellet and Jack Hofman—My Flute Is bigger Than Yours: Nature and Causes of Technological Changes on the American Great Plains at the End of the Pleistocene  
11:00 Rafael Suarez—The Peopling of Southeastern of South America: Cultural Diversity, Paleoenvironmental Conditions, and Organization of Lithic Technology during the Pleistocene Holocene Transition  
11:15 Nora Franco, Luis Borrero, George Brook, and Mar  a Virginia Mancini—Changes in Technological Organization and Human Use of the Space in the South of Patagonia (Argentina) during the Late Holocene  
11:30 Michael Shott—Discussant  
11:45 Michael Jochim—Discussant

**[29] SYMPOSIUM ■ SPATIAL APPROACHES TO THE HISTORY OF ARCHAEOLOGY**

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

**Room:** 323B (HCC)

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

**Chairs:** Neha Gupta and Bernard Means

**Participants:**

- 8:00 Neha Gupta—Geopolitical Concerns, National Interests, and the Case of Sanghol in Indian Archaeology  
8:15 Alice Kehoe— From Alexander von Humboldt to El Arenal Chickens: Strong Evidence and Strong Denials on Long-Distance Contacts  
8:30 Lucía Watson—Rebuilding “The Necropolis of Ancon”, Central Coast of Peru: New Information in the 21st Century about an Excavation of the 20th Century  
8:45 Anastasiya Travina—From Colonial Chronicles to Bootstrap Analysis: The Evolution of Research Methods for Studying Inca Spatial Organization  
9:00 Charlotte Young—Spatial and Temporal Differences in Photographing Archaeological Sites in the Mid-Twentieth Century  
9:15 Jennifer Bracewell—The Infertile Crescent Revisited: A case (Study) for the History of Archaeology  
9:30 Elizabeth Bollwerk—From Cultural Complexes to Complex Social Topography: A History of Spatial Approaches to Native Cultural Landscapes in the Middle Atlantic  
9:45 Q&A  
10:00 Bernard Means—Geographic Variation in New Deal Archaeology across the Lower 48 States  
10:15 Katie Kirakosian—Cause and Effect: Social Networks and Archaeological Excavations  
10:30 Asa Randall—The Geography of Innovation: How Jeffries Wyman Put Florida and Shell Mounds on the Map (1860–1875)  
10:45 John Cottier and Cameron Wesson—Big Sites, Big Questions, Big Data, Big Problems: Scales of Investigation and Perceptions of Southeastern North American Archaeology  
11:00 Sam Duwe—Space, Place, and Fluid Landscapes of Archaeology in the American Southwest  
11:15 John Kelly and Kathleen Stahlman—The Contribution and Biases of Highway Projects to the History of Archaeology in the St. Louis Region: A Spatial Assessment  
11:30 Brent Hicks—Legislative and Business Influences on Our Understanding of American Archaeology  
11:45 Q&A

**[30] SYMPOSIUM ■ GLOBAL PERSPECTIVES ON THE EVOLUTION OF COMPLEX SOCIETIES:  
PAPERS IN HONOR OF HENRY T. WRIGHT FROM HIS STUDENTS, PART 1**  
**Room:** 311 (HCC)  
**Time:** 9:15 AM - 12:00 PM  
**Chair:** Geoff Emberling

**Participants:**

- 9:15 Geoff Emberling—Discussant  
9:30 Karen Mudar—Henry T Wright: His Student Legacy, Service to the Field, and Contributions beyond Academia  
9:45 Lynn Rainville—Discussant  
10:00 Alex Barker—Stealing Fire: Processualism, Abduction, and the Reconstruction of Meaning in Prehistory  
10:15 Paul Welch—Moundville's Economy, Version 2  
10:30 Eric Rupley—Fun with Flowcharts! (More Recent Research on the Origin of the State)  
10:45 Robert Schacht—Henry Wright and Landscape Archaeology on the Susana Plain  
11:00 Susan Pollock—Commensality and Painted Pottery Traditions in the Late 5th

- 11:15 Millennium in Southwestern Iran  
Patricia Wattenmaker—Peer Polity Dynamics and the Expansion of Bureaucracies in Third Millennium Mesopotamia
- 11:30 Naomi Miller and Ayse Gürsan-Salzmann—Plants and Politics: Preserving the Historical Landscape and Open-Air Archaeological Site at Gordion, Turkey
- 11:45 Q&A

[31] **FORUM ■ THE STATE OF MONGOLIAN CULTURAL HERITAGE TODAY**

**Room:** 318A (HCC)

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

**Moderator:** Richard Ciolek-Torello

**Participants:**

- Diane Douglas—Discussant  
Elizabeth Bradshaw—Discussant  
Tserennadmid Osorpurev—Discussant  
Willem Willems—Discussant  
Byambaa Gunchinsuren—Discussant  
Chen Shen—Discussant  
Paula DePriest—Discussant  
Charles Krusekopf—Discussant  
William Fitzhugh—Discussant

[32] **SYMPOSIUM ■ ASSEMBLING ÇATALHÖYÜK**

**Room:** 303A (HCC)

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

**Chair:** Arkadiusz Marciniak

**Participants:**

- 10:00 Ian Hodder—Assembling Çatalhöyük: Theory and Practice  
10:15 Joshua Sadvari, Michael Charles, Christopher Ruff, Tristan Carter, and Milena Vasic—The People and Their Landscape: Changing Mobility Patterns at Neolithic Çatalhöyük  
10:30 Tristan Carter, Nerissa Russell, Scott Haddow, Amy Bogaard, and Christina Tsoraki-Chan—Laying the Foundations: Creating Households at Neolithic Çatalhöyük  
10:45 Arkadiusz Marciniak, Eleni Asouti , Chris Doherty , Liz Henton, and Marek Polcyn —The Nature of Household in the Upper Level at Çatalhöyük: Smaller, More Dispersed, and More Independent Acquisition, Production, and Consumption Units  
11:00 Burcu Tung, Arzu Demirergi, Duygu Tarkan, and Camilla Mazzucato—Sharing and Neighborhoods: Assembling Social Ties at Neolithic Çatalhöyük  
11:15 Sabrina Agarwal, Clark Larsen, Joshua Sadvari , Carolyn Nakamura, and Jessica Pearson —Roles for the Sexes: The Bioarchaeology of Women and Men at Çatalhöyük  
11:30 Jessica Pearson, Lynn Meskell, Carrie Nakamura, and Clark Spencer Larsen—Isotopes and Images: Fleshing Out Bodies at Çatalhöyük  
11:45 Melinda Zeder—Discussant

[33] **GENERAL SESSION ■ LITHIC SOURCING**

**Room:** 306B (HCC)

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

**Chair:** Jessica Jones

**Participants:**

- 10:15 Matthew Landt and Neil Hauser—Sourcing Bridger Chert Using LIBS  
10:30 Tom Kimber, Vincenzo Poppiti, Daniel A. Contreras, Nicholas Tripcevich, and Yuri Cavero—Quantifying Quarrying: Investigations at the Source of Quispisisa-Type Obsidian, Ayacucho, Peru  
10:45 Olaf Jaime-Riveron and Christopher A. Pool—Sourcing Olmec Basalt in Southern Gulf Coast of Mexico  
11:00 Michele Punke—The Surveyor Spring Site: An Ash-Flow Tuff Obsidian Source in South-Central Oregon  
11:15 Susannah Wales, Elizabeth A. Scholz, Chelsea B. Lewis, and George T. Jones—The Effects of Reoccupation on Lithic Source Diversity in Studies of Paleoarchaic Mobility in the Great Basin  
11:30 Jessica Jones—A Study of Visual Ground Stone Source Analysis within the Teotihuacan Valley  
11:45 Javier Rivas, Paulina Ivette Poot, Ventura Rodríguez, María del Rosario Domínguez, and Raymundo Javier González—Chemical Characterization of Limestone Quarries from Oxpemul, Campeche

**[34] SYMPOSIUM ■ FROM PINYON CANYON TO OGALLALA: A QUARTER CENTURY OF REMOTE SENSING IN THE U.S.**

**Room:** 303B (HCC)  
**Time:** 10:30 AM - 12:00 PM  
**Chair:** Kris Lockyear

**Participants:**

- 10:30 Rinita Dalan, Steven De Vore, and Bruce Bevan—Archaeological Prospection Advances for Non-destructive Investigations: Contributions of the National Park Service Workshop  
10:45 Jami Lockhart, Scott Hammerstedt, Amanda Regnier, Patrick Livingood, and John Samuelsen—Ongoing Geophysics, Mapping, Interpretation, and Testing at Spiro Mounds  
11:00 Jarrod Burks—Magnetic Susceptibility and Its Use in Distributional Surveys on Historic and Prehistoric Sites in the Midwest U.S.  
11:15 Kris Lockyear—An Englishman Abroad  
11:30 Suzanne Stone and Jarrod Burks—Fort Brown – What Lies Below?  
11:45 Michael Hargrave, R. Berle Clay, Rinita Dalan, Diana Greenlee, and Lewis Somers—Geophysical and Archaeological Investigations at Poverty Point

**[35] SYMPOSIUM ■ BIRDS AND PEOPLE OF THE PACIFIC: AN ARCHAEOORNITHOLOGICAL PERSPECTIVE ON CIRCUM-PACIFIC ARCHAEOLOGY**

**Room:** 301B (HCC)  
**Time:** 10:30 AM - 12:00 PM  
**Chairs:** Emily Whistler and Rene Vellanoweth

**Participants:**

- 10:30 Christopher Stimpson—Birds and People in a “Biodiversity Hotspot”: A 50,000 year Zooarchaeological Perspective from the Great Cave of Niah, Sarawak  
10:45 Emily Whistler, Ryan P. Moritz, Jennie A. Allen, and René L. Vellanoweth—The Middle Holocene Presence of Short-Tailed Albatross (*Phoebastria albatrus*) and Northern Fulmar (*Fulmarus glacialis*) on San Nicolas Island, CA  
11:00 Helen James—Bird Bones in Hawaiian Archaeology: Causes of Extinctions, Radiocarbon Chronology, and the Marine Reservoir Problem  
11:15 Alice Storey—Nest eggs: The importance of Chickens to Pacific Island Economies and Cultures Past and Present

- 11:30 Alison Boyer—Holocene Extinctions of Pacific Island Birds: What Was the Role of Humans?  
11:45 Madonna Moss—Discussant

**[36] GENERAL SESSION ■ ORGANIZATION OF PRODUCTION IN THE AMERICAS**  
**Room:** 305A (HCC)  
**Time:** 10:30 AM - 12:00 PM  
**Chair:** Angela Keller

**Participants:**

- 10:30 Angel Gongora, Cristian Hernandez, and Ruben Chuc—La actividad pesquera entre los mayas prehispánicos del norte de Yucatán  
10:45 Matt Yacobic and Nate Meissner—Regional Trends in Obsidian Artifacts, a Look at the Central Petén during the Postclassic and Early Colonial Periods  
11:00 Drew Ward and Terry Powis—Preliminary Investigations of a Late Classic Maya Granite Workshop at Pacbitún, Belize  
11:15 Mark Robinson, Holley Moyes and Keith Prufer—Through the Cave: Ancient Maya Wood in Creating Sacred Space, Southern Belize  
11:30 Angela Keller—Farmers' Jade: The Greenstone Objects of Chan, an Ancient Maya Farming Community  
11:45 Brent Auble—Exploring the Development of Complex Civilization in Ancient Peru Using an Agent-Based Model

**[37] POSTER SESSION ■ DENTAL MORPHOLOGY AND ANALYSIS IN BIOARCHAEOLOGY**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 37-a Rebecca Mountain—Assessing the Relationship between Antemortem Tooth Loss and Osteoporosis among the Early Farmers of the Sonoran Desert  
37-b Andrea Cucina, T. Douglas Price, James Burton, Evelia Magaña, and Augustin Peña—Dental Morphology and Sr Isotope Analysis of Population Dynamics in the Ancient Maya Classic Period: The Case of Noh Bec, Yucatan, Mexico  
37-c Jessica Stone, Scott Burnett, Scott Fitzpatrick, and Abby Heller—Dental Pathology of Late Ceramic Age Inhabitants on the Island of Carriacou, West Indies

**[38] POSTER SESSION ■ BIOARCHAEOLOGY**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 38-a Helen Cho—Histological Age Estimation of Archaeological and Diagenetic Bone  
38-b Hua Zhang, Jigen Tang, Yuling He, Mark Skinner, and Deborah C. Merrett—Degenerative Joint Disease of Late Shang People in Anyang, China (ca. 1250–1046 B.C.)  
38-c Blaine Maley, Blaine Maley, José Capriles, Freddy Paredes-Rios, and Bernardino Mamani—A Comparative Analysis of Two Early Holocene Human Skeletons from the Bolivian Andes  
38-d Kassie Sugimoto and Danielle Kurin—Investigating the Bio-cultural Basis of Ethnic Identity: Cranial Modification and Dental Non-metric Co-variance in Ancient Andahuaylas, Peru  
38-e Jill Rhodes, Barbara A. Omay, and Joseph B. Mountjoy—Brief Lives: Childhood Mortality and the Bioarchaeology of West Mexico

- 38-f Evan Hardy, Grace Hua Zhang, Cindy Xin Zhao, Deborah Merrett, and Dongya Yang—Temporal and Spatial Trends in Stature in Neolithic through Early Imperial Dynasties of China  
38-g Jordan Karsten and Gwyn Madden—The Transition to Agriculture and Its Impact on Health in Prehistoric Ukraine  
38-h Elizabeth DiGangi—Taphonomic Evidence of Ancient Carnivore Modification in a Chullpa Machay Tomb from the Site of Hualcayán, Callejón de Huaylas Valley, in Peru's Northern Highlands  
38-i Barbara Omay, Jill Rhodes, and Joseph Mountjoy—Lessons in Taphonomy: An SEM Analysis of Suspect Cut-Marks from the Middle and Late Formative Periods of West Mexico  
38-j Destiny Micklin—The People of Actuncan: Locals or Migrants?  
38-k Laurie Reitsema and Victor D. Thompson—Large-Scale Fourier Transform Infrared Spectroscopy Assessment of Bone Mineral Quality in Poland: Toward an Acceptable Range  
38-l Eric Lenci, Cara Monroe, Alan Leventhal, and Brian M. Kemp—Ancient Human DNA Analysis from the San Francisco Bay Area; Interpreting Ohlone History through Genetics  
38-m Geraldine E. Fahy, Michael P. Richards, Jean-Jacques Hublin, and Christophe Boesch—Weaning in Chimpanzees: Stable Carbon and Nitrogen Isotope Analysis to Determine the Duration of Breast Milk Consumption and the Introduction of Solid Foods in Chimpanzees (*Pan troglodytes*)  
38-n Mark Hubbe and Christina Torres-Rouff—The Relationship between Burial Offerings and Aspects of Diet, Social Identity, and Violence in Northern Chile's Atacama Oases

**[39] POSTER SESSION ■ MORTUARY ANALYSIS**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 39-a John Schultz—The Application of GPR for Forensic Contexts: Detecting Buried Firearms and Graves  
39-b Ludovic Bellot-Gurlet, Laurence Manolakakis, Martine Regert, and Céline Paris—From Materials to Symbolic Function: Pigments and Glue Residues in a Neolithic Funerary Context  
39-c Elissa Bullion—Children of the Blue Wolf: Working toward an Integrated Linguistic-Historic-Archaeological Approach to Identity in the Orkhon Turkic State  
39-d John Whittaker, Kathryn Kamp, and Byl Bryce—Projectile Points from the "Magician" Burial  
39-e Cheryl Anderson—Mortuary Ritual and Identity among the Ancestral Tarahumara  
39-f Jack Biggs—Mortuary Correlates of Maya Cranial Shaping in the Pasión Region  
39-g Mark Hill—Changing Social Structures of the Late Archaic: Network Analysis of Mortuary Populations from the Reigh and Riverside Sites in the Northern Lake Michigan Basin  
39-h Lara McFadden—Feasting the Dead: The Significance of a Faunal Assemblage at an Ancient Burial Ground

**[40] POSTER SESSION ■ HISTORIC CEMETERIES**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 40-a Michael Sprowles—A Year in the Necropolis: Digitizing Historic Cemeteries for

- 40-b Optimum Resource Management, Public Dissemination, and Research Potential  
Lisa Anselmi and Kevin Williams—Reconnecting with the Past: Locating Historical Graves Using Ground Penetrating Radar in Western New York
- 40-c Peter Killoran, David Pollack, Heather Worne, Stuart Nealis, and Emily Vanderpool—Preliminary Analysis of the Human Remains, Associated Eastern States Hospital, Lexington, Kentucky
- 40-d Emily Laak, David Stock, Alexis Jordan, and Jacquelyn Bluma—Fractured Pasts and Brittle Bones: Another Look at Two Mid-nineteenth Century German Cemeteries of Southeastern Wisconsin

**[41] POSTER SESSION ■ PREHISTORIC BODIES OF EVIDENCE**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 41-a Kirsten Green—For the Love of Corn: Changes in Osteoarthritis of the Elbow and Shoulder Joints in Women When Transitioning from Hunting and Gathering to Agricultural Subsistence
- 41-b Raymond Mauldin, Robert Hard, Cynthia Munoz, and Jennifer Rice—Stable Carbon ( $\delta^{13}\text{C}$ Collagen,  $\delta^{13}\text{C}$ carbonate) and Nitrogen ( $\delta^{15}\text{N}$ ) Isotopes from Radiocarbon Dated Hunter-Gatherer Remains at Hitzfelder Cave, Texas
- 41-c Brenda A. Alvarez-Sandoval, Linda R. Manzanilla, and Rafael Montiel—Sex Determination of Ancient Human Remains by HRM Analysis: The Case of Teopancazco, Teotihuacan
- 41-d Raul Tito and Cecil M Lewis—Análisis metagenómico de coprolitos humanos
- 41-e Lisa Benson and Katie Saunders—A Look at Osteological Stressors during the Fremont Period in Utah
- 41-f Adrienne Offenbecker and D. Troy Case—Contact in the Northern Great Plains: An Assessment of Biological Stress among the Protohistoric Arikara

**[42] POSTER SESSION ■ CURRENT DIRECTIONS IN BIOARCHAEOLOGY**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Chairs:** Madeleine Mant, Laura Lockau, and Lelia Watamaniuk

**Participants:**

- 42-a Tara Jenkins—Context, Needs, and Social Messaging: Situating Iroquoian Human Bone Artifacts
- 42-b Johanna Kelly, Crystal Forrest, and Alexis Dunlop—Examining Statistical Differences between Standard Osteological Measurements Taken in Situ versus in a Laboratory Setting
- 42-c Laura Lockau, Ana-Maria Dragomir, Rebecca Gilmour, Madeleine Mant, and Megan Brickley—Utility of the Zonation Method for the Study of Fragmentary, Commingled, and Disarticulated Human Remains: Cataloguing the Smith's Knoll Collection
- 42-d Madeleine Mant, Megan Brickley, Juanita DeBarros and D. Ann Herring—Bioarchaeology and Perimortem Trauma
- 42-e Lelia Watamaniuk and Megan Brickley—Measuring Variation as an Indicator of Differential Stress in Bioarchaeology

**[43] GENERAL SESSION ■ SYMBOLS AND RITUALIZATION IN THE SOUTHWEST**

**Room:** 301A (HCC)

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

**Chair:** Samantha Fladd

**Participants:**

- 10:45 Samantha Fladd, Saul Hedquist, and Leslie Aragon—Ritual Deposition and Architectural Space: A Multi-Scalar Investigation of Identity Expression at Homol'ovi I  
11:00 Emily Ditto and Erin Nelson—Symbolically Significant Substances and Cosmologically Connected Objects: What Do They Do?  
11:15 Caitlin Sommer—Animacy, Symbolism, and Feathers from Mantle's Cave, Colorado  
11:30 Sharon Wester Davis—House Societies in the Post-Chaco Era: The Use of Mortuary Practices to Define Space  
11:45 Katherine Dungan—Kivas, Plivas, and Plazas: Variation in Religious Space and Religious Practice in the 13th Century Mogollon Highlands

**[44] GENERAL SESSION ■ CHOPPING AND CINCHING: CASES STUDIES IN HISTORIC ARCHAEOLOGY**

**Room:** 319A (HCC)  
**Time:** 11:00 AM - 12:00 PM

**Chair:** Rebecca Gibson

**Participants:**

- 11:00 Rebecca Gibson—What a Waist: Examining Dimensions in Victorian Era Corsetry  
11:15 Elizabeth Spott—An Examination of Gender, Class, and Identity: A Comparison of Material Culture from the Chief Richardville House and the Richardville-Lafontaine site  
11:30 Alison Bell—Constituting Personhood among “The Middling” in 18th- and 19th-Century Virginia  
11:45 Christopher Harper—Historic Logging within the Desert National Wildlife Refuge, Nevada

**[45] GENERAL SESSION ■ ZOOARCHAEOLOGY OF MARINE AND WETLAND CONTEXTS**

**Room:** 318B (HCC)  
**Time:** 11:15 AM - 12:00 PM

**Chair:** Thomas Wake

**Participants:**

- 11:15 Aletheia Bouknight—Analysis of Bird Remains from the Bergen Site (35LK3175), Fort Rock Basin, Oregon  
11:30 Thomas Wake—Sitio Drago: Assessing the effects of 600 years of Harvesting Pressure in a Neotropical Marine Environment  
11:45 Kelli Barnes, Nicole Misarti, Bruce Finney, and Herbert Maschner—The Shell Game: Exploring Ancient Human Ecosystems Using Stable Isotopes from Marine Shells

**Thursday Afternoon ■ April 04, 2013**

- [46A] **THE ETHICS BOWL**  
**Room:** 319A (HCC)  
**Time:** 1:00 PM - 3:00 PM
- [46] **SYMPOSIUM ■ SOCIAL INEQUALITY IN THE PRE-HISPANIC AMERICAS**  
**Room:** 314 (HCC)  
**Time:** 1:00 PM - 2:15 PM  
**Chair:** Ernesto Gonzalez-Licon
- Participants:**
- 1:00 Rebecca Storey and Lourdes Marquez Morfin—Status and Health among Artisans of Teotihuacan, Mexico  
1:15 Patricia Hernandez Espinoza—Social Stratification and Inequality at Tamtoc, SLP, Mexico  
1:30 Lourdes Marquez-Morfin—The Epidemics of Typhus and Cholera in the City of Mexico in the 19th Century: A Reflection of Social Inequality  
1:45 Vera Tiesler and Andrea Cucina—Ancient Maya Courtly Life, Living Conditions, and Health (Problems) in the Context of Social Inequality  
2:00 Allan Ortega—Vulnerable Groups among Postclassic Maya from East Coast of Peninsula of Yucatan: El Meco and El Rey Case Studies
- [47] **SYMPOSIUM ■ THEORETICAL AND METHODOLOGICAL ISSUES FOR OCEANIC COLONIZATION, PART 2**  
**Room:** 312 (HCC)  
**Time:** 1:00 PM - 2:15 PM  
**Chair:** Alex Morrison
- Participants:**
- 1:00 Lisa Matisoo-Smith, Jose Miguel Ramirez, Michael Knapp, Olga Kardailsky, and Andrea Seelenfreund—Redrawing the Polynesian Triangle?  
1:15 J. Athens, Timothy Rieth, and Tom Dye—Evaluating Discrepancies between Paleoenvironmental and Archaeological Estimates for the Colonization of Oceanic Island  
1:30 John Dudgeon, Monica Tromp, Amy Commandador, and Rebecca Hazard—Colonization Histories Revealed through Archaeogenetic Analysis of Prehistoric Rapa Nui Skeletons  
1:45 Stefan Prost, Andrew Clarke, Olga Kardailsky, David Addison, and Lisa Matisoo-Smith—MtDNA and Y Chromosome Evidence for the Origins and Population History of Tokelau  
2:00 Alvaro Montenegro, Richard Callaghan, and Scott Fitzpatrick—From West to East Polynesia: A Voyaging Analysis Using Two Complementary Computer Simulations
- [48] **GENERAL SESSION ■ ARCHAEOLOGY IN EDUCATION: STUDENTS “DIG” ARCHAEOLOGY**  
**Room:** 305A (HCC)  
**Time:** 1:00 PM - 2:30 PM  
**Chair:** Kalena Giessler

**Participants:**

- 1:00 Kalena Giessler, Parin Patel, Sarah Butler, Paul Salay, and Lynn Swartz Dodd—ARC You Smarter Than A Sixth Grader? Promoting Archaeology through Educational Outreach  
1:15 Maija Glasier-Lawson—Archaeological Explorers: Testing the Impact of Public Archaeology on Young Learners  
1:30 Heidi Lennstrom—Inquiring Minds Want to Know: Bringing Archaeological Research to Very Young Audiences  
1:45 Victor Fisher—Treatment of Archaeoastronomy in Introductory Textbooks and in *American Antiquity*  
2:00 Robert Hard, M. Kathryn Brown, Sonia Alconini, and Laura J. Levi—Quantitative Learning in Introduction to Archaeology  
2:15 Linda Neff—Getting Your Students to Read the Text in an Undergraduate Archaeology Classroom

**[49] SYMPOSIUM ■ DIFFERENCE THEORY**

**Room:** 309 (HCC)  
**Time:** 1:00 PM - 2:45 PM  
**Chair:** Roland Fletcher

**Participants:**

- 1:00 Christophe Pottier—Digging the History in Angkor (Cambodia)  
1:15 Robert Maxwell—Concrete Ideals – Dissonance and the New Brutalism  
1:30 Lisa Lucero—The Dissonance of Collapse: The Demise of Maya Kings and Perseverance of Farmers  
1:45 Rachael Lane—Morality, Knowledge of the Past, and Difference Theory  
2:00 Peta Longhurst—The Foundations of Madness: The Role of the Built Environment in the Mental Institutions of New South Wales, Australia  
2:15 Mark Pluciennik—Differential Processes ...  
2:30 Geoff Bailey—Discussant

**[50] GENERAL SESSION ■ CONSUMPTION IN SOUTH AMERICA: DIET, AGRICULTURE, AND PLANT USE**

**Room:** 303A (HCC)  
**Time:** 1:00 PM - 2:45 PM  
**Chair:** Winifred Creamer

**Participants:**

- 1:00 Winifred Creamer, Winifred Creamer, and Jonathan Haas—The Agricultural Foundation of Andean Civilization  
1:15 Emma Brown, Ben Stern, Arthur Aufderheide, and Andrew Wilson—Chemical Evidence for Snuffing Practices in the Azapa Valley, Northern Chile, during the Late Intermediate Period  
1:30 Michael Schaefer and Fernanda Neubauer—Sacred Cuisine: Culinary Practice at Maranga, Central Coastal Peru  
1:45 Cassandra Koontz—Maximizing the Molle: Multi-criteria Cost Surface and Cost Catchment Models for Wari Colonization of Coastal Arequipa (A.D. 600-1000)  
2:00 Caroline Caromano and Rui Sergio Sereni Murrieta—Fire in Pre-Colonial Amazon: Some First Thoughts on Its Use as Technology and Its Possible Past Roles under Material Culture Theory  
2:15 Sarah Williams—Palynological Investigations during the Colonial Reducciones at Magdalena de Cao Viejo, Peru  
2:30 Brian McCray and John Janusek—Fringe Benefits? Analysis of Microterracing in the Icla Valley, Eastern Bolivia

- [51] **GENERAL SESSION ■ UNDERSTANDING ROCK ART: METHODS, CONTEXTS, AND HISTORIES**  
**Room:** 317A (HCC)  
**Time:** 1:00 PM - 2:45 PM  
**Chair:** Ramon Valcarce
- Participants:**
- 1:00 Ramon Valcarce and Carlos Rodriguez-Rellan—Being There: Some Remarks on the Location Patterns of NW Spain Prehistoric Rock Art  
1:15 Winston Hurst, Steven J. Manning, Jay Willian, and Benjamin A. Bellorado—Ghost Images of What? Depatinated Ovoids and Ritual Plant Processing in the Ancient Puebloan Southwest  
1:30 Brandi Lee MacDonald, Martin Cooper, Fiona McNeill, and Joanne O'Meara—Elemental Characterization of Pigments Used in Pictographs across the Lower Canadian Shield, Canada  
1:45 Jamie Hampson—Historiography and Rock Art in West Texas and Beyond  
2:00 Meg Travers—To Gwion or Not to Gwion: Transitions in the Kimberley Rock Art Sequence of Northwest Australia  
2:15 Lauren Lippiello—Spatial Distribution of Upper Egyptian Rock Art as Indicator of Marginal Landscapes, 4th millennium B.C.E.  
2:30 Jessica Einhorn—A Re-interpretation of Rock Art in California through a Look at Traditional Californian Basket Imagery
- [52] **FORUM ■ CONVERSATIONS: TIME, MEMORY, AND EXPERIENCE**  
**Room:** 306B (HCC)  
**Time:** 1:00 PM - 3:00 PM  
**Moderator:** Uzma Rizvi and Stephen Silliman
- Participants:**
- Sonya Atalay—Discussant  
Peter Biehl—Discussant  
Jonathan Walz—Discussant  
Ann Stahl—Discussant  
Severin Fowles—Discussant  
Stephen Silliman—Discussant  
Uzma Rizvi—Discussant
- [53] **FORUM ■ BEYOND THE DATA: SIGNIFICANCE UNDER THE NATIONAL REGISTER OF HISTORIC PLACES**  
**Room:** 303B (HCC)  
**Time:** 1:00 PM - 3:00 PM  
**Moderator:** Trevor Pratt
- Participants:**
- Jan Biella—Discussant  
Catherine Dickson—Discussant  
Theresa Donham—Discussant  
Benjamin Keola Lindsey—Discussant
- [54] **GENERAL SESSION ■ EASTERN U.S. ARCHAEOLOGY**  
**Room:** 317B (HCC)

**Time:** 1:00 PM - 3:15 PM  
**Chair:** Stefan Brannan

**Participants:**

- 1:00 Stefan Brannan—The Occupational History of Singer-Moye, the Second Largest Mississippian Period Site You've Never Heard of  
1:15 Christina Friberg—The Politics of Identity and Ideology during the Woodland to Mississippian Transition in the Central Illinois River Valley  
1:30 Lydia Carmody—Comparative Early Mississippian Subsistence in the Central Mississippi Valley  
1:45 Juliet Morrow, Patti Wright, Robert Taylor, and Robert Scott—Mississippian Occupations of the Western Lowlands of Arkansas, circa A.D. 800-1300  
2:00 Steven Howard—Middle Woodland in the Upper Allegheny Valley  
2:15 Edmond Boudreaux and Kandace Hollenbach—Feasting and Early Platform Mound Construction on the Gulf Coast of Mississippi  
2:30 Peter Geraci—Woodland Adaptations to Upland Settings in Northeastern Illinois: New Data from the Kautz Site (11DU1)  
2:45 Neill Wallis and Meggan Blessing—Depositing a Suwannee Valley Feast: Feature 1 at Parnell Mound  
3:00 Michael Deal—The Boswell Site and Pre-Contact Archaeology on the Annapolis River, Nova Scotia.

**[55] SYMPOSIUM ■ PERFORMING DEATH: ARCHAEOLOGIES OF FUNERARY DRAMA IN EARLY MEDIEVAL EUROPE**

**Room:** 318A (HCC)

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

**Chairs:** Neil Price and Andrew Reynolds

**Participants:**

- 1:00 Andrew Reynolds—Funerary Drama in the Early Middle Ages  
1:15 Neil Price—Nine Paces from Hel: Time and Motion in Old Norse Funerary Drama  
1:30 Duncan Sayer—More Than a Mother: Witnessing Multi-scaled Funeral Dramas in Early Anglo-Saxon England  
1:45 Frands Herschend—Roland of Ellekilde  
2:00 Leszek Gardela—"Deviant Burials" of the Viking Age: A Critical Perspective  
2:15 John Ljungkvist—Gamla Uppsala: The Funerary Landscape of a Mythical Center in Sweden  
2:30 Celia Orsini—Recycled Traditions and Innovations in Northeast Britain  
2:45 Miriam Mayburd—Landscapes of Death and Otherness: Icelandic Terrain and Medieval Attitudes about the Dead  
3:00 Clifford Sofield—"Funerals" for Buildings in Anglo-Saxon England  
3:15 Q&A

**[56] SYMPOSIUM ■ GLOBAL PERSPECTIVES ON THE EVOLUTION OF COMPLEX SOCIETIES: PAPERS IN HONOR OF HENRY T. WRIGHT FROM HIS STUDENTS, PART 2**

**Room:** 311 (HCC)

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

**Chair:** Eric Rupley

**Participants:**

- 1:00 Richard Redding—Meat for the Builders: The animal Production System That Supported Pyramid Construction at Giza  
1:15 Jennifer Gates-Foster—Think Local, Buy Local: Pottery Supply and Consumption in the Ptolemaic Eastern Desert, Egypt

- 1:30 Geoff Emberling—Altered States: Settlement Networks in the Kingdom of Kush  
1:45 William Griffin—A few Interesting Results from the Matitanana Archaeological Project, Southeastern Madagascar  
2:00 Zoë Crossland—Fieldwork in the Efitra of Madagascar's Midwest: Preliminary Results  
2:15 Alice Yao—HTW and Phenomenology  
2:30 Min Li—Political Experimentation, State Formation, and the Emergence of Central Plains  
2:45 Charles Spencer and Elsa Redmond—Investigating the Emergence of Internally-Specialized Governance at El Palenque, a Late Formative Site near San Martín Tilcajete, Oaxaca  
3:00 Joshua Wright—An Island, Survey, Trees, and Pastoralists...  
3:15 Q&A

**[57] GENERAL SESSION ■ PRECOLUMBIAN MORTUARY AND RITUAL PRACTICES**

**Room:** 323B (HCC)  
**Time:** 1:00 PM - 3:30 PM  
**Chair:** Andrew Wyatt

**Participants:**

- 1:00 Stacy Drake—Considering Burials as Units of Materiality  
1:15 Emily Sharp and Rebecca Bria—Defining Recuay Lifestyles and Mortuary Practices through the Bioarchaeological Study of Recuay Tombs in the North-Central Peruvian Highlands  
1:30 Andrew Wyatt and Joan C. Crenshaw—"Our Dead are Never Dead to us...": Southern Maya Lowland Chultunes as Burial Chambers  
1:45 Elisa Mandell—Beyond Death: An Analysis of Secondary Burial Practices in Costa Rica  
2:00 Katie Zejdlik—Modern Medical Literature and the Lived Experience of a Trophy Victim  
2:15 Juan Manuel Palomo—Mortuary Treatments at the Ancient Maya Center of Ceibal, Guatemala  
2:30 Ellen Bell—Layers of Meaning: Multi-Level Caches and Offerings at Copan, Honduras  
2:45 Kenichiro Tsukamoto and Jessica I. Cerezo-Román—A Body of Lakam Officials: The Study of Burial 1 at the Guzmán Group of El Palmar, Campeche, Mexico  
3:00 Heather Backo and John Verano—The New Temple and Temporal Continuity in Human Sacrifice at the Site of Moche, Peru  
3:15 Leslie Cecil—Souls of the Ancestors: Postclassic Maya Incensarios and Mana

**[58] GENERAL SESSION ■ ENVIRONMENTAL ARCHAEOLOGY**

**Room:** 301A (HCC)  
**Time:** 1:00 PM - 3:30 PM  
**Chair:** John Hicks

**Participants:**

- 1:00 Philip Hitchings and EB Banning—Bayesian Archaeological Survey in Wadi Quseiba, Jordan: An Iterative Predictive Model  
1:15 Megan Parker and Terry Powis—Understanding Environmental Changes through Maya Ritual  
1:30 William Carleton and Mark Collard—Debating Drought Cycles and Their Influence on Maya Society  
1:45 Ryan Byerly—Late Holocene Drought and Mojave Desert Archaeology: Perspectives from Twenty-Nine Palms and Johnson Valley, California

- 2:00 John Hicks—IR Spectroscopy and Brewery Sediments at Cerro Baúl, Peru: An Exploratory Geochemical Study  
2:15 Kirk French, Timothy Murtha, David Webster, and Christopher Duffy—Modeling the Interplay of Land and Water at Tikal, Guatemala  
2:30 Nicolas Gauthier—Quantifying the Spatial Distribution of Archaeological Sediments in Thin Section  
2:45 Jennifer Rozo—Home on the Range: An Environmental History of Land Use Changes at Paa-ko, New Mexico  
3:00 Lewis Messenger—Could Tsunamis Have Influenced Ancient Maya Cultures?  
3:15 Christopher Jazwa, Christopher Duffy, Lorne Leonard, and Douglas Kennett—Hydrological Modeling and Prehistoric Settlement on California's Northern Channel Islands

**[59] SYMPOSIUM ■ MAKING VALUE, MAKING MEANING: TECHNÉ IN PRE-COLUMBIAN MESOAMERICA AND ANDEAN SOUTH AMERICA**

**Room:** 323A (HCC)

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

**Chair:** Cathy Costin

**Participants:**

- 1:00 Cathy Costin—Discussant  
1:15 Jerry Moore and Carolina Vilchez—Techné and the Thorny Oyster: Spondylus Craft Production and the Inca Empire at Taller Conchales, Huaca Cabeza de Vaca, Tumbes, Perú  
1:30 Blanca Maldonado—New World Metallurgy: A Comparative Study of Copper Production in the South Central Andes and West Mexico  
1:45 John Janusek and Patrick Ryan Williams—Tectonic Techné in the Production of Tiwanaku Monumentality  
2:00 Lisa DeLeonardis—Encoded Color, Encoded Value in Paracas Post-Fired Painted Ceramics  
2:15 Michael Callaghan—Discussant  
2:30 Carlos Rengifo—Shaping Local and Regional Identities: The Artisans of the Moche Period, Peru  
2:45 Christina Halperin—Textile Techné: Regionalism and Shared Techniques in Classic Maya Cloth Production  
3:00 Cathy Costin—Weaving Identities Deep and Broad  
3:15 Joanne Pillsbury—Discussant  
3:30 Q&A

**[60] SYMPOSIUM ■ TOWARD A NEW SYNTHESIS OF AMAZONIAN ARCHAEOLOGY**

**Room:** 318B (HCC)

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

**Chairs:** Anna Browne Ribeiro and Eduardo Machicado

**Participants:**

- 1:00 Eduardo Machicado and Anna Browne Ribeiro—The Many Faces of Amazonia: Re-conceptualizing Scale, Dimensions, and Cultural Boundaries  
1:15 Cristiana Barreto—Beyond Pots and Pans: Ceramic Style and Iconography in Pre-Colonial Amazonia  
1:30 Tiago Hermenegildo, Prümers Heiko, and O'Connell Tamsin—A Stable Isotope Approach to Prehistoric Resource Management and Dietary Patterns in the Amazon  
1:45 Maria Bruno—The Place of Maize and Manioc in Prehistoric Agricultural Intensification in the Amazon Basin: An Archaeobotanical Perspective

- 2:00 Joshua Toney and Michael Heckenberger—Scales of Production in the Upper Xingu  
2:15 Juliana Machado—Places of People: Women, Plants, and Exchange Networks on the Amazon Delta  
2:30 Morgan Schmidt and Joshua Toney—Dark Earths and the Human-Built Landscape in Amazonia: The Social Implications of Anthrosol Formation  
2:45 Stéphen Rostain—“Under the volcano”: Archaeology in the Sangay Site, Ecuadorian Amazonia  
3:00 Marcia Bezerra—Connecting Dots: The Construction of “Amazonian Archaeology” in the Curricula of Graduate and Undergraduate Courses in Amazon  
3:15 Colin McEwan—Discussant  
3:30 Eduardo Neves—Discussant  
3:45 Q&A

**[61] SYMPOSIUM ■ RITUAL AND ARCHAIC STATES**

**Room:** 306A (HCC)  
**Time:** 1:00 PM - 4:15 PM  
**Chair:** Joanne Murphy

**Participants:**

- 1:00 Joanne Murphy—Same, Same, but Different: Ritual in the Archaic States of Pylos and Mycenae  
1:15 Ann-Louise Schallin—Rituals and Ceremonies at the Mycenaean Cemetery at Dendra  
1:30 Wendy Ashmore—State and Popular Ritual at Maya Quiriguá, Guatemala  
1:45 Molly Fierer-Donaldson—Funerary Ritual and the Identification of “Royal” Burials among the Classic Maya: A View From Copan, Honduras  
2:00 William Isbell—Identifying and Understanding Ritual in Wari Cities: A Case Study from Conchopata, Peru  
2:15 Patrick Williams and Donna Nash—Ritual Practice and Wari State Expansion  
2:30 Giancarlo Marcone—Feasting and Burials in Local Communities at the Onset of the Andean Middle Horizon  
2:45 Jessica Christie—Rituals of Keeping and Controlling Time: The Cases of Chankillo and the Inka  
3:00 Thomas Huffman—Ritual Space in the Zimbabwe Culture  
3:15 Adria LaViolette—The Archaeology of Swahili Ritual Practice at Chwaka, Pemba Island, Tanzania  
3:30 David Small—Problems with Interpreting Ritual as Either Corporate or Networking in the Archaic State  
3:45 Alexei Vranich—Discussant  
4:00 Q&A

**[62] SYMPOSIUM ■ IMPROVING XRF METHODS FOR THE GEOCHEMICAL CHARACTERIZATION OF ARCHAEOLOGICAL MATERIALS: PRECISION, ACCURACY, LIMITS OF DETECTION**

*(Sponsored by Society for Archaeological Sciences)*

**Room:** 319B (HCC)  
**Time:** 1:00 PM - 4:15 PM  
**Chair:** Adrian Burke

**Participants:**

- 1:00 Gilles Gauthier and Adrian L. Burke—Adapting XRF Protocols for the Geochemical Characterization of Archaeological Materials

- 1:15 Melissa Goodman-Elgar, Nichole Bettencourt, and Richard Conrey—Prospects for Field Determination of Elemental Composition by pXRF on Anthropogenic Sediments  
1:30 Gregory Lattanzi and Matthew Boulanger—pXRF Analysis of Middle Woodland Mica Artifacts from the Abbott Farm National Historic Landmark  
1:45 Robert Tykot—Using pXRF for Obsidian Sourcing in the Western Mediterranean: Any Disadvantages or Limitations?  
2:00 Marie Orange, Tristan Carter, and François-Xavier Le Bourdonnec—Studying Near-East Obsidian from Neolithic Syria: A Joint Analysis by SEM-EDS and EDXRF  
2:15 Maria Codlin and Mark D. McCoy—Geochemical Sourcing and Inter-island Movement of Volcanic Glass in the Hawaiian Islands  
2:30 Steven Lundblad, Peter Mills, and Jennifer Kahn—Determining the Extent of Intra- and Inter-archipelago Exchange in the Hawaiian Islands Using Non-destructive EDXRF  
2:45 Yoshimitsu Suda—Application of Internal Standard Methods to Non-destructive Analysis of Archaeological Obsidian Artifact by Wave Length-Dispersive X-Ray Fluorescence Spectrometry  
3:00 Peter Sheppard and Andrew McAlister—Correction for Matrix Effects in PXRF  
3:15 Steven Brandt, Lucas Martindale Johnson, and Arlen Chase—A Comparative Study of Multiple Bruker Tracer III Calibrated Instruments Using Identical Analytical and Operational Procedures: Implications for Past, Present, and Future Obsidian Studies  
3:30 Ellery Frahm—Place, Practice, and pXRF: Merging Archaeological Fieldwork and Labwork  
3:45 Steven Shackley—Discussant  
4:00 Q&A

**[63] SYMPOSIUM ■ TEOTIHUACAN AND EARLY CLASSIC MESOAMERICA: MULTI-SCALAR PERSPECTIVES ON POWER, IDENTITY, AND INTERREGIONAL RELATIONS**

**Room:** 315 (HCC)  
**Time:** 1:00 PM - 4:30 PM  
**Chairs:** Claudia Garcia-Des Lauriers and Tatsuya Murakami

**Participants:**

- 1:00 Shigeru Kabata, Tatsuya Murakami, Julieta Lopez, and Juan Chavez—Interregional Interaction before the Rise of the Teotihuacan State: Preliminary Results of the Proyecto Arqueológico Tlalancaleca, Puebla  
1:15 Tatsuya Murakami—State Administration and Political Dynamics at Teotihuacan: Early Classic Interaction Viewed from the Core  
1:30 Sarah Clayton—Society beyond the City: Rural Life in the Teotihuacan-Period Basin of Mexico  
1:45 Patricia Plunket and Gabriela Uruñuela—The Cholula-Teotihuacan Relation Revisited  
2:00 Juan Carlos Saint-Charles Zetina, Fiorella Fenoglio, and Carlos Viramontes—El Rosario: un asentamiento teotihuacano en San Juan del Río, Querétaro  
2:15 Agapi Filini—Teotihuacan and West Mexico: Ritual Exchange and Systemic Interdependence  
2:30 Michelle Butler, Arthur Joyce, Jeffrey Brzezinski, and Kathleen Paul—Teotihuacan and Oaxaca: Social Transformations at the Scale of the Local Community and the Polity  
2:45 David Freidel, Olivia Navarro Farr, and Michelle Rich—Evidence for Teotihuacan-Maya Interaction at El Perú-Waka'  
3:00 Karl Taube—The People of Corn: The Ancient Maya and Maize Deities of Early

- 3:15 Classic Teotihuacan  
Claudia Garcia-Des Lauriers—Teotihuacan and Los Horcones: Reconstructing Interaction Networks in Southeastern Mesoamerican during the Early Classic  
3:30 Yoko Sugiura, César Villalobos, M.Carmen Pérez, and Elizabeth Zepeda—Identity, Material Culture, and Teotihuacan Hegemony in Toluca Valley  
3:45 Barbara Stark—Discussant  
4:00 Kenneth Hirth—Discussant  
4:15 Q&A

**[64] SYMPOSIUM ■ FIFTY YEARS AGO: THE LEGACY OF THE GRASSHOPPER RESEARCH PROJECT IN CURRENT ARCHAEOLOGICAL PRACTICE**  
**Room:** 316A (HCC)  
**Time:** 1:00 PM - 5:00 PM  
**Chairs:** Charles Riggs and Kelly Jenks

**Participants:**

- 1:00 Charles Riggs—Opening Remarks: The View from the Back of the Line  
1:15 Geoffrey Clark—Thanks for the Memories: How Grasshopper Shaped my Career  
1:30 P. Bion Griffin—Grasshopper and Longacre: Debts in Building a Career in Hawaii  
1:45 David Doyel—Grasshopper and After in the Southwest United States  
2:00 Richard Ciolek-Torello—Home Is Where the Hearth Is: Household and Domestic Organization at Grasshopper  
2:15 Alan Sullivan—The Archaeological Study of the Archaeological Record  
2:30 Michael Graves—The Role of Advanced Field Training in Archaeology: Innovation, Application, and Research Outcomes  
2:45 Stephanie Whittlesey—The Legacy of Behavioral Archaeology at Grasshopper  
3:00 William Fash—Reflections on the Grasshopper Legacy in Ancient Maya Archaeology  
3:15 William Saturno—Grasshopper's Long Jump: Exploration, Archaeology, and Education in the Northeast Petén, Guatemala  
3:30 Barbara Montgomery, Daniela Triadan, and Nieves Zedeno—The Incidental Journeys of Three Pottery Queens  
3:45 Izumi Shimada—Lessons Learned from Working with Local Apache Youth  
4:00 Mark Altaha, John R. Welch, and Nicholas Laluk—The Last People to Abandon Grasshopper: University of Arizona Field School Influences on White Mountain Apache Tribal Programs  
4:15 William Longacre—Discussant  
4:30 Jefferson Reid—Discussant  
4:45 Q&A

**[65] SYMPOSIUM ■ LIVING ABANDONMENT: THE SOCIAL PROCESS OF DETACHMENT FROM PLACE**  
**Room:** 323C (HCC)  
**Time:** 1:00 PM - 5:00 PM  
**Chair:** Maxime Lamoureux St-Hilaire

**Participants:**

- 1:00 Patricia McAnany and Maxime Lamoureux St-Hilaire—Detaching from Place in Theory  
1:15 Will Russell and Margaret Nelson—People of Stone and Mud: Special Construction, Ritual Retirement, and Inanimate Personhood in the Mimbres Region  
1:30 Donna Glowacki and Fumiyasu Arakawa—Living and Leaving in Thirteenth-

- 1:45 Century Mesa Verde  
Kenneth Sassaman and Asa R. Randall—Abandonment as Historical Practice: Futures Past in Ancient Florida
- 2:00 Jennifer Birch and Ronald F. Williamson—Navigating Ancestral Landscapes in the Northern Iroquoian World
- 2:15 Maxime Lamoureux St-Hilaire, Gyles Iannone, and Andrew Snetsinger—Living among Ruins: The Use and Perception of Abandoned Architecture at Minanha, Belize
- 2:30 Olivia Navarro-Farr, Griselda Perez, Damaris Menendez, Francisco Castaneda, and Juan Carlos Perez—Staying Power: Ritual Dynamics of Pre-Abandonment Political and Symbolic Agency at Classic Maya El Perú-Waka'
- 2:45 Evan Parker, Stephanie Simms, and George Bey III—Over the Hills and Far Away: Maya Abandonment Strategy at Escalera al Cielo, Yucatán, México
- 3:00 Maggie Morgan-Smith—Placing Abandonment: Investigating the Process of Detachment from Rancho Kiuic, Yucatán, México
- 3:15 Joel Palka—Death and Lacandon Maya Settlement Abandonment
- 3:30 Jason Nesbitt—After They've Gone: The Reinterpretation of Abandoned Initial and Early Horizon Monuments in the Moche Valley Peru
- 3:45 Lisa Kealhofer, Peter Grave, and Ben Marsh—Empires and Dark Ages: Perspectives on the Hittite-EIA transition in Anatolia
- 4:00 Anne Underhill—Processes of Site Abandonment in Ancient China: Some Proposed New Directions for Research
- 4:15 Catherine Cameron—Discussant
- 4:30 Ian Hodder—Discussant
- 4:45 Q&A

**[66] SYMPOSIUM ■ NEW DEVELOPMENTS IN CHINESE ARCHAEOLOGY**  
**Room:** 324 (HCC)  
**Time:** 1:00 PM - 5:00 PM  
**Chair:** Tianlong Jiao

**Participants:**

- 1:00 Robert Bettinger, Christopher Morgan, Loukas Barton, and Mingjie Yi—Hunter-Gather Mobility and the Development of Millet Agriculture in North-Central China
- 1:15 Li Liu, Xingcan Chen, and Guoxiang Liu—Functional Analysis of Grinding Stone Tools from Early Neolithic Settlements in Northeast China
- 1:30 Xiangming Dai—A Comparative Perspective of the Beginning of Early States in Central China
- 1:45 Adam Lauer, Tianlong Jiao, and Guoping Sun—Biological Relationships of Neolithic Southeast China
- 2:00 Fen Wang and Shiling Yuan—Reconstructing the Food Structure of Ancient Coastal Inhabitants from Beiqian Village: Stable Isotopic Analysis of Fossil Human Bone
- 2:15 Yanbo Song, Fen Wang, and Guiyun Jin—New Investigation of the Animal Resources in Neolithic Shandong Peninsula: A Case Study of Beiqian Site
- 2:30 Qiang Wang and Kamijyou Okamoto—Grinding Stone Tools and Subsistence Pattern in Neolithic Shandong Coast: A Case Study of the Beiqian Site
- 2:45 Sheahan Bestel and Tianlong Jiao—Archaeobotany of Proto-Austronesian Sites
- 3:00 Guiyun Jin, Fu-Qiang Wang, Yu-Hai Lin, and Wen-Bo Zhang—New Evidence on Neolithic Rice Exploitation in Northern China
- 3:15 Jade D'Alpoim Guedes—Adaptation and Invention during the Spread of Agriculture to Southwest China
- 3:30 Feng Li—Reconstructing a Frontier Culture: Ceramic Analysis in the Guicheng Project

- 3:45 Zhipeng Li, Roderick Campbell, Yuling He, and Guoliang Cheng—Transformations of Industry during the Early Bronze Age in Ancient China: Bone Working at Erlitou and Anyang  
4:00 Tristram Kidder and Yijie Zhuang—Environment and the Anthropocene in Ancient China  
4:15 Tianlong Jiao, Xuechun Fan, Xiaohong Wu, and Kuangti Li—Interregional Interactions and Maritime Adaptations in Early Bronze Age Southeast China  
4:30 Martin Jones—A trans-Eurasian Exchange of Prehistoric Crops  
4:45 Ofer Bar-Yosef—Discussant

**[67] SYMPOSIUM ■ HOPI ARCHAEOLOGY, HISTORY, AND HERITAGE: PAPERS IN HONOR OF LEIGH J. KUWANWISIWMA**  
**Room:** 316C (HCC)  
**Time:** 1:30 PM - 5:00 PM  
**Chair:** T. J. Ferguson

**Participants:**

- 1:30 Chip Colwell-Chanthaphonh and Stewart Koyiyumptewa—The Hopi Model of Cultural Preservation  
1:45 Michael Yeatts—Maintaining Hopi Stewardship of the Grand Canyon  
2:00 Maren Hopkins, Saul L. Hedquist, Stewart B. Koyiyumptewa, Lee Wayne Lomayestewa, and T. J. Ferguson—Tungwniwi nit Wukvlavayi (Named Places and Oral Traditions): Multi-Vocal Approaches to Hopi Land  
2:15 Wesley Bernardini—Visual Prominence and the Stability of Cultural Landscapes  
2:30 Charles Adams—The Homol'ovi Research Program: Enriching Hopi History through Collaboration  
2:45 Patrick Lyons—The Davis Ranch Site: Archaeological Evidence of Kayenta Immigrants in Southeastern Arizona  
3:00 Kelley Hays-Gilpin and Dennis Gilpin—Becoming Hopi: Exploring Hopi Ethnogenesis through Architecture, Pottery, and Cultural Knowledge  
3:15 Laurie Webster—Pathways to Hopi: Cultural Affiliation and the Archaeological Textile Record  
3:30 Shirley Powell and Mark Varien—Establishing the Genetic Distinctiveness of Hopi Corn: A Collaboration between the Hopi Cultural Preservation Office and the Crow Canyon Archaeological Center  
3:45 George Gumerman and Joelle Clark—Hopi Footprints: Guided along the Path of Cultural Preservation by Leigh Kuwanwisiwma  
4:00 Thomas Sheridan—Coronado and the Moquis: Hopi Oral Traditions and the Tyranny of the Written Record in 20th Century Southwestern Anthropology  
4:15 Gregson Schachner—Forging New Intellectual Genealogies in Southwest Archaeology  
4:30 Peter Whiteley—The Native Shaping of Anthropological Inquiry  
4:45 Leigh Kuwanwisiwma—Discussant

**[68] POSTER SESSION ■ ADVANCES IN ZOOARCHAEOLOGICAL METHOD: GLOBAL CASE STUDIES**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 68-a Anthony Hofkamp and Virginia Butler—Using X-Rays, Surface Images, Thin sections, and ICP-MS to Validate Incremental Growth Ring Analysis for Age Determination of Chinook Salmon (*Oncorhynchus tshawytscha*)  
68-b Matthew Harris and Patrick Faulkner—Tools or Tucker? Developing Methods for

- 68-c Identifying Utilized Polymesoda (Geloina) Coaxans Shell Valves  
Jamie Clark—Bone Fragmentation at Sibudu Cave: Evaluating the Relative Utility of Small Fraction (<2 cm) Non-identifiable Bone
- 68-d Kurt Gron, Søren Andersen, and Harry Robson—Isotopic Evidence of Environmental, Subsistence, and Cultural Changes across the Mesolithic-Neolithic Transition at Havnø, a Danish “Køkkenmødding”
- 68-e Emily Zavodny, Brendan J. Culleton, Sarah B. McClure, and Douglas J. Kennett—Stable Isotope Analyses of Domesticated Animal Bone and Teeth in Croatian Archaeology
- 68-f Marjolein Bosch, Laura Niven, John de Vos and Jean-Jacques Hublin—New data on Middle Palaeolithic subsistence behaviour at Ksâr' Akil (Lebanon).
- 68-g Xin Zhao, Antonia T Rodrigues, Dawei Cai, Jing Yuan, and Dongya Yang—Ancient DNA Analysis of Domesticated Horses from Ancient China
- 68-h Ximena Lemoine and Katelyn Bishop—A Novel Method for Aging Prehistoric Pigs (*Sus scrofa*): Synthesizing Tooth Eruption and Attrition
- 68-i Sharyn Jones—Amelia Earhart's Last Meal? A Review of Zooarchaeological Evidence from a Castaway Camp on Nikumaroro
- 68-j Karen Greig—Kuri: The dogs of New Zealand Aotearoa
- 68-k Kathryn Wojcik and Virginia Butler—Tracking Fish Response to Abrupt Environmental Change at Tse-whit-zen, a Pre-contact Village on the Olympic Peninsula of Northwest Washington State
- 68-l Andrew Boehm—General Trends in Bison Foraging on the Great Plains over the last 13,000 Years
- 68-m Morgan Walker, Angela Goreczny, Sarah Kriebel, and Susan Prezzano—Analysis of the Middle Archaic Occupations at the Millstone Site (36El0204), Elk County, Pennsylvania
- 68-n Claudine Gravel-Miguel—Teeth Travel: Raw Material Choice and the Movement of Cervid Artifacts in the Upper Paleolithic

[69] **POSTER SESSION ■ MULTIPLE METHODS FOR INTERPRETING FOODWAYS**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 69-a François Lanoë, Stéphane Péan, and Alexandre Yanovich—Subsistence in Crimea during the Younger Dryas, a Case Study: Buran-Kaya III Rock Shelter
- 69-b Tiina Manne—Indirect Evidence of Small-Scale Storage at Vale Boi, an Upper Paleolithic Site in Southwestern Iberia
- 69-c Amanda Tang and Jocelyn Knauf—Meals of Modernity: Engaging with Domesticity in Annapolis, Maryland, during the Progressive Era
- 69-d Petra Cunningham-Smith, Arlen F. Chase, and Diane Z. Chase—Fish from Afar: Marine Resource Use at Caracol, Belize
- 69-e Lisa Duffy, Diane Z. Chase, and Arlen F. Chase—Maize and Stone: A Functional Analysis of the Manos and Metates of Santa Rita Corozal, Belize
- 69-f Jean Berkebile—Investigating Subsistence Diversity in the Upper Basin: New Archaeobotanical Analysis at MU 125
- 69-g Catherine Cooper, Colin Smith, Karen Lupo, R. G. Matson, and Michael Richards—Short-Term Diet Change at Turkey Pen Ruins: Examining Stable Isotope Patterns in Archaeological Hair
- 69-h Anthony Graesch and Tianna DiMare—Fire-Affected Rock: Advances in Household and Experimental Archaeological Approaches to the Study of Indirect Cooking and Foodways

- [70] POSTER SESSION ■ ARCHAEOBOTANY**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM
- Participants:**
- 70-a Dana Bardolph, Brian Billman, and Jesús Briceño—Gallinazo Phase Foodways in the Moche Valley of North Coastal Peru: New Research Directions and Paleoethnobotanical Evidence
- 70-b Carmela Alarcon and Matthew Piscitelli—Botanical Analysis of Plant Remains from Ceremonial Architecture at the Late Archaic Site of Huaricanga in the Fortaleza Valley of Peru
- 70-c Cynthia Zutter and Amy Reedman—Northern Labrador Archaeobotany: Views from Black Island
- 70-d Minkoo Kim and Jungjae Park—Ancient Land-Use Dynamics in the Yeongsan River Basin, Korea: An Integrated Archaeobotanical Approach on Pollen, Seed, and Wood
- 70-e Patrick Rennaker and Patrick McCutcheon—Macro-Botanical Recovery Rates Using Flotation of Sediments from the Sunrise Ridge Borrow Pit Site
- 70-f Lauren Willis, Leslie Reeder-Myers, Jon Erlandson, Torben Rick, and Jack Watts—Edible Native Plants on the Northern Channel Islands, California
- [71] POSTER SESSION ■ ANCIENT DNA AND ZOOARCHEOLOGY**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM  
**Chair:** Christyann Darwent
- Participants:**
- 71-a Mitya Vasyukov and Sarah Brown—Dogs (*Canis lupus familiaris*) from Ancient Settlements of the Northeastern Coast of the Chukchi Peninsula, Russia
- 71-b Shannon Green, Sarah Brown, Christyann Darwent, Jelmer Eerkens, and Ben Sacks—A Dog's Tale: Understanding the Role of Dogs in the Kotzebue Sound Region of Alaska through Ancient DNA and Stable Isotopes
- 71-c Christyann Darwent, Sarah Brown, Jeremy Foin, Adam Freeburg, and John Darwent—Using Ancient DNA to Understand the Role of Baleen Whales to the Development of Archaeological Cultures in Outer Kotzebue Sound, Alaska
- 71-d Ursula Arndt, Olaf Nehlich, Alan McMillan, Michael Richards, and Dongya Yang—Using Ancient DNA and Stable Isotopes on Archaeological Cetacean Samples to Investigate Target Species in Pre-industrial Whaling in Barkley Sound
- 71-e Melissa Roth, Dana Lepofsky, Aubrey Cannon, Camilla Speller, and Dongya Yang—Using Ancient mtDNA to Chart Genetic Changes of Pacific Herring Populations off the Coast of Central British Columbia
- 71-f Antonia Rodrigues, Iain McKechnie, and Dongya Yang—Ancient DNA Analysis of Archaeological Rockfish (*Sebastodes spp.*) on the Northwest Coast of North America: Species Preferences and Implications for Marine-Protected Area Management
- 71-g R Beck, Jack M. Broughton, Joan B. Coltrain, Dennis H. O'Rourke, and Alan R. Rogers—Ancient DNA Analysis Confirms a Late Holocene Population Bottleneck in California Tule Elk (*Cervus elaphus nannodes*)
- 71-h Kathleen Judd, Connor Corday, Erin Reams, Rebecca Higgens, and Brian Kemp—Documenting Domestic Lineages in the American Southwest: Turkeys (*Meleagris gallopavo*) and Dogs (*Canis lupus*)
- [72] SYMPOSIUM ■ ARCHAEOLOGY, CULTURAL HERITAGE, AND THE THIRD AGE:**

**EXPLORING NEW CHALLENGES AND OPPORTUNITIES**

**Room:** 301B (HCC)

**Time:** 2:15 PM - 4:45 PM

**Chairs:** Cornelius Holtorf, Elizabeth Chilton, and Peter Aronsson

**Participants:**

- 2:15 Cornelius Holtorf—Introduction: Archaeology, Cultural Heritage and the Third Age  
2:30 Anders Höglberg—Meeting an Elderly Audience through Community Archaeology within CRM  
2:45 Christen Erlingsson—Archeology and Nursing: Strange Bedfellows with a Common Aim  
3:00 Francis McManamon—Goals of a Passing Generation – Saving and Sharing Archaeologists' Legacies  
3:15 Q&A  
3:30 Laia Colomer—Cultural Heritage and Silent Homesickness of Retiring Refugees  
3:45 Anna Hansen and Henrik Zipsane—The elderly as a Developing Market for Cultural Heritage Sites  
4:00 Christine Szuter—The Digital Third Age: Engagement of the Third Age Generation in Cultural and Heritage Education, Research, Interpretation, and Philanthropy  
4:15 Peter Aronsson—Representing Age in the National Museum  
4:30 Peter Aronsson—Discussant

**[73] SYMPOSIUM ■ HISTORICAL ARCHAEOLOGY IN THE PACIFIC: IN AND OF A SEA OF ISLANDS**

**Room:** 312 (HCC)

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

**Chairs:** Carolyn White and Benjamin Barna

**Participants:**

- 2:30 Benjamin Barna—Investigating Pili at Laumai'a: A Hawaiian Metaphor for Cultural Hybridity among Nineteenth-Century Ranchworkers  
2:45 Ashlee Younie and Kelly Edmiston—Personal Adornment of Hawaiian Cowboys: A Reflection of Occupation and Trade  
3:00 Kelly Gleason and Jason Raupp—Lightning Strikes Twice: The Discovery and Identification of the Nantucket Whaleship Two Brothers at French Frigate Shoals in the Northwestern Hawaiian Islands  
3:15 Angela Middleton—Mission Archaeology in the Pacific: From Matavai Bay to the Bay of Islands  
3:30 Ian Smith—Schooling on the Missionary Frontier: The Hohi Mission Station, New Zealand  
3:45 Lon Bulgrin—The Rosario House At Hagatna, Guam: 18th and 19th Century Commodity Availability and Consumer Choice  
4:00 Carolyn White—The Panolo Project in the Context of Cultural Heritage in Hawaii  
4:15 Peter Mills—Discussant  
4:30 Jennifer McKinnon—Community Archaeology Approaches in the Commonwealth of the Northern Mariana Islands (CNMI)  
4:45 Conrad Goodwin—A Conversation about the Trajectory of Historical Archaeology in *Hawaii*, by Conrad "Mac" Goodwin

**[74] SYMPOSIUM ■ CHILDREN AND CHILDHOOD IN THE PAST: EXPLORING BIOLOGICAL AND SOCIAL TRANSFORMATIONS OF CHILDREN IN ANTIQUITY THROUGH EMERGING BIOARCHAEOLOGICAL METHOD AND THEORY**

**Room:** 314 (HCC)

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

**Chairs:** Patrick Beauchesne and Sabrina Agarwal

**Participants:**

- 2:45 Jane Baxter—Discussant  
3:00 Bonnie Glencross—Skeletal Trauma and a Phenomenological Approach to Developmental-Behavioral Age  
3:15 James Gosman, David Raichlen, and Timothy Ryan—Human Transitions: Current Perspectives on Structural Change in Bone during Development  
3:30 Sandra Wheeler, Toshia Dupras, and Lana Williams—The Largest Percent: Bioarchaeological Analysis of Children and Childhood from the Kellis 2 Cemetery, Dakhleh Oasis, Egypt  
3:45 Melanie Miller and Christine Hastorf—What Else Can Teeth Tell Us? Investigating the Socialization of Children through Food Using Stable Isotope Analyses  
4:00 Patrick Beauchesne and Sabrina Agarwal—Understanding Children in the Past through Life Course Perspectives  
4:15 John Crandall, Jennifer Thompson, and Debra Martin—Bundled Bodies in the Chichimec Sea: Transformations of Tepehuan Children through Mortuary Ritual in Ancient North Mexico  
4:30 Jennifer Marla Toyne—A Childhood of Violence: A Bioarchaeological Comparison of Large-Scale Mass Death Assemblages from Ancient Peru  
4:45 Sian Halcrow—Discussant

[75]

**SYMPOSIUM ■ CURRENT RESEARCH AND FUTURE DIRECTIONS IN NUMIC ARCHAEOLOGY, ETHNOHISTORY, AND ETHNOGRAPHY IN THE ROCKY MOUNTAINS, GREAT BASIN, AND SOUTHWEST**

**Room:** 316B (HCC)

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

**Chair:** Robert Brunswig

**Participants:**

- 2:45 Robert Brunswig—Mountain Ute and Earliest Numic Colonization of the Southern Rocky Mountains: A New Perspective from the Sue Site, North Park, Colorado  
3:00 David Hill and Deni Seymour—Issues for Dating Numic and Athapaskan Occupations in the Southwest  
3:15 Andy Creekmore—Evaluating the Application of Multiple Archaeological Geophysics Methods to a Numic site in North Park, Colorado  
3:30 Matthew Stirn—Considering High Altitudes within the Numic Spread  
3:45 John Ives—The View from Promontory Point  
4:00 Bryon Schroeder—The Village Spread: Ethnic Identity at the Edge of the Great Basin  
4:15 Christine Montgomery, David Diggs, and Robert Brunswig—Reconstructing a Prehistoric Ute Sacred Landscape in the Southern Rocky Mountains  
4:30 Sally McBeth—The Return of the Native: Northern Ute Removal from and Return to Colorado Ancestral Homelands  
4:45 Gregory Campbell—Reclaiming the Land: Historical Memories, Cultural Landscapes, and Cultural Identity

[76]

**SYMPOSIUM ■ BEYOND BLOMBOS: ADAPTIVE DIVERSITY IN LATER PLEISTOCENE SOUTHERN AFRICA**

**Room:** 305A (HCC)

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

**Chairs:** Genevieve Dewar and Brian Stewart

**Participants:**

- 3:00 Jayne Wilkins—The Early MSA 500 ka: Evidence from Kathu Pan 1, South Africa in the Context of the African Archaeological Record  
3:15 Benjamin Schoville, Erik Otarola-Castillo, and Jayne Wilkins—Early Human Occupation Potential across Africa during Marine Isotope Stage 6 (MIS6): A Species Distribution Model Using Maximum Entropy  
3:30 Brian Stewart, Genevieve Dewar, Mike Morley, and Adrian Parker—Aptitude at Altitude: Flexibility as “Modernity” in Later Pleistocene Highland Lesotho  
3:45 Mike Morley—Later Pleistocene Palaeoenvironments of Lesotho: River System Responses to Climatic Change and Implications for the Viability of Valley Floor Environments as Cultural Landscapes  
4:00 Genevieve Dewar and Brian Stewart—Right Place, Right Time: Desert Dwellers during the Last Glacial Maximum in South Africa  
4:15 Ben Collins—A New Analysis of the Foraging Strategies during the Final Middle Stone Age at Sibudu Cave, South Africa  
4:30 Jessica Thompson, Menno Welling, David Wright, Flora Schilt, and Susan Mentzer—The Later Pleistocene Archaeological Landscape of Karonga, Malawi  
4:45 Sheila Nightingale, Alex Mackay, Jessica Thompson, Victor de Moor, and Elizabeth Gomani-Chindebvu—Variability in Middle Stone Age Stone Artifact Reduction Strategies and Raw Material Use in the Karonga District of Northern Malawi

- [77] SYMPOSIUM ■ EXPLANATIONS OF BEHAVIOR USING ARCHAEOOMETRIC TECHNIQUES: STARTING ASSUMPTIONS AND THEORETICAL ASPECTS OF HUNTER-GATHERER RESEARCH**  
**Room:** 319A (HCC)  
**Time:** 3:15 PM - 5:00 PM  
**Chair:** Ian Fraser-Shapiro

**Participants:**

- 3:15 Patrick Dolan and Kristin Safi—An agent-Based Model of Hunter-Fisher-Gatherer Cultural Transmission and Fission-Fusion Dynamics  
3:30 David Yesner—Understanding Hunter-Gatherer Behavior in Beringia: Applications of Zooarchaeological Research  
3:45 Ben Shepard—Contrasting Approaches to Burials and Demography in the Study of Middle Holocene Hunter-Gatherers in Cis-Baikal, Russia  
4:00 Nour Moussa, Karen Moor, and Fiona Bamforth—A Comparison between Two Late Neolithic- Early Bronze Age Cemeteries Ust'-Ida and Kurma XI through the Analysis of mtDNA  
4:15 Lindsey Friedman, Hirofumi Kato, Andrzej Weber, and Tamsin O'Connell—Dietary Complexity among Hunter-Gatherers in Prehistoric Japan  
4:30 James Daniels and Jerry Schaefer—The Application of Ceramic Petrography and XRF Sourcing to the Interpretation of Prehistoric Aboriginal Pottery and Clay Sources in the Southern Mojave Desert  
4:45 Ian Fraser-Shapiro—Tailor Made: A(n evolutionary) Theory of Mobility to Suit Hunter-Gatherer and Scientific Archaeology

- [78] GENERAL SESSION ■ SOCIALITY AND MATERIALITY IN PRECLASSIC MESOAMERICA**  
**Room:** 303A (HCC)  
**Time:** 3:15 PM - 5:00 PM  
**Chair:** Sarah Barber

**Participants:**

- 3:15 Sarah Barber, Arthur Joyce, and Jeffrey Brzezinski—Recent Excavations at the Rio Viejo Acropolis, Oaxaca, Mexico
- 3:30 William Ringle, Gabriel Tun Ayora, Mauricio Germon Roche, and Matt Morris—Preclassic to Classic in the Valle de Yaxhom
- 3:45 Timothy Pugh, Carlos Sánchez, Evelyn Chan, Miriam Salas, and Pablo Lizano—The Late Preclassic Occupation at Tayasal, Petén, Guatemala
- 4:00 Mary Jane Acuna—Bundling a Building: Art, Ideology, and Politics at El Achiotl, Petén, Guatemala, in the Late Preclassic Period (250 B.C.E.–250 C.E.)
- 4:15 Jessica MacLellan—Early Households and Domestic Rituals at Ceibal, Guatemala
- 4:30 Garth Norman—Izapa, Mexico to Nazca, Peru by Sea—15 Degrees North and South Latitude Sun Zenith Ancient Cultural Calendar Connection
- 4:45 Laura Levi, Antonia Figueroa and Sarah Wigley—The Temporality of Ritual

**[79] GENERAL SESSION ■ OSTEOLOGICAL AND GENETIC STUDIES IN ARCHAEOLOGY**

**Room:** 309 (HCC)  
**Time:** 3:15 PM - 5:00 PM  
**Chair:** Bridget Alex

**Participants:**

- 3:15 Bridget Alex, Bridget Alex, Elisabetta Boaretto, and Daniel Master—Establishing Best Practice for Bone Collection and Storage at the Site of Ashkelon, Israel
- 3:30 Thomas Evans—Elongate Bone Orientation Caused by Fluvial Action: Bone Azimuths and Polarities Do Not Correlate with Flow Direction
- 3:45 Cecil Lewis and Raul Tito—Ancient Metagenomics
- 4:00 Hayley Mickleburgh—Teeth Tell Tales: Dental Anthropology of the Pre-Columbian Caribbean
- 4:15 Brian Leslie, Brian Leslie, Sandra Garvie-Lok, and Robert Creaser—Residential Mobility in the Rural Greek Past: A Strontium Isotope Investigation
- 4:30 Cara Monroe, Eric Lenci, Alan Leventhal, Rosemary Cambra, and Brian Kemp—Ancient Human DNA Analysis from CA-SCL-38 Burials: Correlating Biological Relationships, Mortuary Behavior, and Social Inequality
- 4:45 Karyn Olsen, Christine White, Fred Longstaffe, Kristin von Heyking, and George McGlynn—The Effects of Trauma and Infection on Intra-tissue Carbon and Nitrogen Isotopic Variability of Bone Collagen

**[80] GENERAL SESSION ■ HUNTER AND GATHERER STUDIES FROM AROUND THE WORLD**

**Room:** 317A (HCC)  
**Time:** 3:45 PM - 5:00 PM  
**Chair:** Lisa Maher

**Participants:**

- 3:45 Matthew Walsh—Subsistence, Mobility, and Demographic Change at Rio Ibanez 6, Aysén Region, Patagonian Chile: A Preliminary Examination of Results from 2012/2013 Excavations
- 4:00 Mercedes Okumura and Astolfo Araujo—Morphometric Evolution of Early Holocene Bifacial Points in Southern Brazil (Garivaldino Rodrigues, Taquari, Rio Grande do Sul)
- 4:15 Jose Capriles and Steven Goldstein—Early Holocene Highland Hunter-Gatherers: Settlement Pattern, Subsistence, and Technological Organization from the Bolivian Andes
- 4:30 Dusan Boric, Emanuela Cristiani, Zvezdana Vusovic-Lucic, and Dusan

- Mihailovic—Upper Palaeolithic Marmot Hunting in the Dinaric Alps: Late Glacial Recolonization of Montenegrin Mountains?  
4:45 Lisa Maher and Margaret Conkey—Homes for Hunters? Exploring Hut Structures at Hunter-Gatherer Sites in Upper Palaeolithic Europe and the Epipalaeolithic of Southwest Asia

**[81] GENERAL SESSION ■ ETHNOHISTORY AND ARCHAEOLOGY IN THE U.S. SOUTHEAST**

**Room:** 318A (HCC)  
**Time:** 3:45 PM - 5:00 PM  
**Chair:** Nancy Garner

**Participants:**

- 3:45 Nancy Garner—Trade and Alliance: Change in Political Power at Apalachicola, a Lower Creek Town  
4:00 Jessica Herlich—Shell Midden Archaeology and Paleoethnobotany: Historical Ecological Perspectives of the Tidewater Algonquian Landscape  
4:15 Thomas Foster—Coalescence of the Protohistoric Muscogee Creek People as Revealed through Pottery Analysis  
4:30 David Cranford—Household Variability in the Early Federal Period Catawba Nation  
4:45 Ryan Hunter—Coastal Connections and Reservation Contexts: Eastern Pequot Use of Shells

**[82] SESSION CANCELED**

**[83] GENERAL SESSION ■ GREEK ARCHAEOLOGY: ABOVE AND BELOW THE SURFACE**

**Room:** 317B (HCC)  
**Time:** 4:00 PM - 5:00 PM  
**Chair:** Zarko Tankosic

**Participants:**

- 4:00 Joe Boyce, Peter Dao, Despina Koutsoumba, Eduard Reinhardt, and Richard Rothaus—Coastal Reconstruction of Submerged Bronze Age Shorelines and Anchorage Sites at Kalamianos (Korphos, Greece)  
4:15 Petra Vaijlova, Amy Bogaard, Armelle Gardeisen, and Rebecca Fraser—Agricultural Management in Neolithic Kourphovouno, Southern Greece: Results of Combining Stable Isotopes of Plants and Animals  
4:30 Anna Stroulia and Laure Dubreuil—Design or Use? Discussion of a Peculiar Shape among Grinding Tools from Kremasti-Kilada, Northern Greece  
4:45 Zarko Tankosic and Renate Storli—Landscape and Society: Preliminary Results of the 2012 Field Season of the Norwegian Archaeological Survey in the Karystia (Euboea, Greece)

**Thursday Evening ■ April 04, 2013**

**[84] GENERAL SESSION ■ POLITICAL ECONOMY OF EAST AND SOUTHEAST ASIA**

**Room:** 315 (HCC)  
**Time:** 6:00 PM - 7:15 PM  
**Chair:** Laura Junker

**Participants:**

- 6:00 Joss Whittaker—Trade Frontiers in the Aru Islands, Indonesia  
6:15 Amy Jordan—Ethnic Identity or Economic Availability? The Analysis of Starch Grains at Colonial Plantations and Colonial Administration Sites in the Banda Islands, Maluku, Indonesia  
6:30 Chieh-fu Jeff Cheng and Pochan Chen—The Archaeological Study of Colonial Cultural Landscape in Japanese Period (1895-1945) of Taiwan  
6:45 Li Zhang—Ritual, Migrations, and State Formation in Early China: A Case Study of the Huadizui Site  
7:00 Laura Junker, Alexandra De Leon, and Aaqib Adnan—Craft Production, Trade, and Socio-Political Complexity in the Philippine Metal Age

**[85] POSTER SESSION ■ RECENT RESEARCH IN THE AMERICAN SOUTHWEST: LANDSCAPE, AGRICULTURE, AND FAMILY**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 6:00 PM - 8:00 PM

**Participants:**

- 85-a Sarah Griffith—Faunal Resource Use through Time at the Fornholz Site, Mule Creek, New Mexico  
85-b Sally Cole—Solidifying Culture: Evidence of Post-200 B.C. San Juan Basketmaker II Coalescence at Falls Creek Shelters (5LP1434), Southwest Colorado  
85-c Jeremy Kulisheck, Anastasia Steffen, and Connie Constan—Agricultural Intensification, Field Features, and Hypervisibility: A Case from the Jemez Mountains, New Mexico, U.S.A.  
85-d Evangelia Tsesmeli—Along the River They Went: Mobility in the Middle Rio Grande Basin  
85-e Richard Greene and Steve Baumann—The Unique Archeological Landscape of the El Malpais National Monument Lava Flows  
85-f Emilio Santiago and Severin Fowles—The Evolution of Moieties in the Northern Rio Grande: New Evidence from the El Bosque Site  
85-g David Unruh and Meaghan Trowbridge—Multicomponent Sites along the U.S. Highway 491 Corridor, from Twin Lakes to Sheep Springs: Basketmaker III through Pueblo III  
85-h Jakob Sedig—Upper Gila Revelations: Recent Work at Woodrow Ruin  
85-i Robin Cordero and Sean Dolan—Mimbres Seasonality, Site Occupation, and Organization in the Sapillo Valley  
85-j Leslie Aragon—What's in a Name? Ontologies of Hohokam Figurines  
85-k Edmund Gaines—The Formby Site: A Clovis Site in the Sonoran Desert of Southern Arizona  
85-l Mark Chenault—The Building Blocks of Southwestern Villages  
85-m Warren Lail and John McCray—Mycotoxins, Maize, and Site Abandonment in the American Southwest

**[86] POSTER SESSION ■ RECENT RESEARCH IN THE AMERICAN SOUTHWEST: NEW VIEWS ON MATERIAL CULTURE**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 86-a Jessica Blanco—Further Analysis of San Marcos Subsurface Material: What Material Culture Can Tell Us About Demography and Social Complexity  
86-b Fumiya Arakawa, David Gonzales, and Alan Koenig—Methodology for Sourcing Sanidine Basalt (Trachyte) Tempered Materials in the American Southwest  
86-c Kari Schleher, Kevin Brown, and Jamie Gray—Experimentation in Pottery: A Preliminary Analysis of Basketmaker III Pottery Production in the Mesa Verde Region  
86-d Danielle Romero—Corrugated Vessels as Signature: Household Identity at the Harris Site, New Mexico  
86-e Sean Dolan and Kathryn Putsavage—Projectile Point Typologies, Obsidian Sources, and Social Transformation in the Mimbres Valley, New Mexico, A.D. 1000-1450

**[87] POSTER SESSION ■ ARCHAEOLOGY IN THE GREAT BASIN**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 87-a Bonnie Pitblado, Molly Boeka Cannon, J. M. Adovasio, Megan Bloxham, and Joel C. Janetski—Reuniting the Four Decades-Lost Piling Fremont Figurine with His Mates: Human Intrigue, Cutting-Edge Science, and Ethical Challenges  
87-b Daron Duke and Jaynie Hirschi—Haskell Technology in the Great Salt Lake Desert: A First Look at New Finds  
87-c Nicole Herzog and Ashley Grimes—Where Have All the Tubers Gone? An Experimental Approach to Identifying USO Exploitation in the Great Basin  
87-d John Kennedy and Paul Burnett—The Carter Site (48NA1425): Update of a Multicomponent Site in Central Wyoming  
87-e Victor Villagran, Tiffany Newman, Scotty Strachan, and Franco Biondi—SmOLDering Coals: Dating Historic Charcoal Production in Lincoln County, Nevada  
87-f Amy Spurling, Mary Ann Vicari, Victor Villagran, and Lisbeth Louderback—Investigating Ancestral Puebloan and Numic Occupations in Coyote Springs Valley, Southeastern Nevada  
87-g Mary Ann Vicari—Investigating Bias in the Surface Visibility of Prehistoric Great Basin Sites

**[88] POSTER SESSION ■ ARCHAEOLOGY IN THE AMERICAN NORTHWEST COAST**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 88-a Justin Hopt and Colin Grier—Subsistence and Resource Use at a Late Period Plankhouse Site at the Dionisio Point Locality (Site DgRv-006), Galiano Island BC  
88-b Annalisa Heppner and David Yesner—Osseous Tools from the Broken Mammoth Site (XBD-131)  
88-c Kate Shantry—Using Empirical Archaeological Data to Indirectly Construct a Growth Curve from Crustose Lichen Species in North-Central Washington

- 88-d Diana Ewing—Use of Baleen by Thule-Period Inhabitants of Cape Espenberg, Alaska  
88-e Jenny Cohen—Paleoethnobotanical Evidence from Kilgii Gwaay, a 10,700 Wet Site on the Northwest Coast of North America  
88-f Michael Etnier, Paul W. Collins, Seth D. Newsome, Sarah K. Brown, and Melinda G. Connors—Historical Ecology of Albatrosses in the North Pacific  
88-g Kate Yeske and Julie Esdale—Archaeology and Geomorphology of Interior Alaskan Rock Shelters

**[89] POSTER SESSION ■ LONG-TERM VULNERABILITY AND TRANSFORMATION IN THE SOUTHWESTERN UNITED STATES AND NORTHERN MEXICO**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 6:00 PM - 8:00 PM  
**Chair:** Colleen Strawhacker

**Participants:**

- 89-a Rebecca Harkness and Will G. Russell—Quantity or Quality? Social Relations and Site Persistence in the Post-Classic Mimbres Region  
89-b Sarah Klassen—Diversity and Resilience in Mimbres Mortuary Context  
89-c Colleen Strawhacker, Ann Kinzig, Keith W. Kintigh, Katherine A. Spielmann, and Margaret C. Nelson—Modeling the Ecological Risk of Prehistoric Landscapes in the Southwestern United States  
89-d Andrea Torvinen, Michelle Hegmon, Matthew Peeples, Keith W. Kintigh, and Ben A. Nelson—Assessing the Role of Diversity in the Resilience of Social-Ecological Systems in the Southwestern United States and Northern Mexico  
89-e Paige Owen—Connectivity and Persistence Internally and Abroad in the Southwest United States and North Mexico  
89-f Karen Schollmeyer—Faunal Diversity, Resilience, and Social Transformations in the Prehistoric U.S. Southwest  
89-g Wesley Miles—Traditional Crop Production in the Middle Gila River Valley: An Experimental Study

**[90] GENERAL SESSION ■ STONE TOOL PRODUCTION: OLD AND NEW WORLD**  
**Room:** 309 (HCC)  
**Time:** 6:00 PM - 8:00 PM  
**Chair:** Julie Esdale

**Participants:**

- 6:00 Rachel Campbell—Fourche Valley Site: Use-Wear of Double Bitted Axes  
6:15 Brandon Gabler and Gregory Lockard—Lithic Technology during the Transition to Agriculture at the Defense Supply Center Richmond, Chesterfield County, Virginia  
6:30 Jason Ciccone—The Clovis Culture In New England-Hudson Valley Sites with Clovis Lithic Technology  
6:45 Petranka Nedelcheva and Ivan Gatsov—Bullet Core Technology at South Marmara Region 7-6 mill BC  
7:00 Kane Ditchfield and Simon Holdaway—Stone Artefact Assemblage Formation and Patterns of Human Movement: Results from Two Pleistocene Cave Sites, Bone Cave, and Mackintosh 90/1, South-Western Tasmania, Australia  
7:15 Lilian Dogiama—Defining the Point: Arrowhead or Spearhead? The Case of the Çatalhöyük Projectile Points  
7:30 Julie Esdale—Tool Stone Procurement and Lithic Assemblage Variability in the North  
7:45 Michael Waters—An Examination of Clovis and Goshen Chronology

**[91] GENERAL SESSION ■ MANAGING, MITIGATING, AND PROTECTING THE PAST**

**Room:** 317A (HCC)

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

**Chair:** Konnie Wescott

**Participants:**

- 6:00 Enah Montserrat Fonseca Ibarra and Fiorella Fenoglio Limón—Protección del patrimonio arqueológico: un pasado en un presente  
6:15 Fiorella Fenoglio, Enah Fonseca, and Israel Lara —Protección del patrimonio arqueológico ¿Debemos incluir a la sociedad civil?  
6:30 Israel Lara Barajas and Fiorella Fenoglio Limón—Protección del patrimonio cultural y procuración de justicia  
6:45 Konnie Wescott and Stephen Fosberg—Mitigation Planning for Addressing Unavoidable Impacts of Solar Energy Development: A Shift from Project Scale to Regional Scale  
7:00 Ben Thomas and Meredith Langlitz—Mitigating the Impact of Archaeotourism on Archaeological Sites  
7:15 Amy Oechsner—Challenges and Strategies: Managing the Old Spanish National Historic Trail in California  
7:30 Cynthia Wirth and Kelley Scudder-Temple—Shipwrecks, Pirates, Governments, and Archaeologists: Is Collaboration the Key?  
7:45 Barbara Bane and Barbara Bane—Last Flight of a Nighthawk: The Recovery of Threatened Armament at a WWII Plane Crash Site in Yosemite National Park, CA

**[92] GENERAL SESSION ■ CAMPS, FORTS, AND MILITARY BASES**

**Room:** 317B (HCC)

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

**Chair:** James Meierhoff

**Participants:**

- 6:00 Judith Thomas and Kaitlin Volanski—Geochemical Identification of Differential Phosphorus Patterning at the Laundresses' Quarters, Cantonment Burgwin (TA-8), Taos, New Mexico  
6:15 Nathan DiVito—Message in a Bottle: The "Heim" Zouaves  
6:30 Susan Moorhead Mooney and P. Gregory Hare—The Arctic Trails Have Their Secret Tales...  
6:45 Beth Horton—Officers, Soldiers, and Laundresses: A Study of Status, Space, and Interaction at Mid-19th century Vancouver Barracks, Fort Vancouver National Historic Site, Washington  
7:00 James Meierhoff—World War II and the American Home Front: A Preliminary Exploration of Three German POW Camps near Chicago  
7:15 Derrick Marcucci and Susan Gade—The Archaeology of a World War II Bombing Range in Southeastern New Hampshire  
7:30 Patricia Mitchell—Camp Young Revisited  
7:45 Timothy De Smet, Mark Everett, Tanya Komas, and Robert Warden—3D GPR on Alcatraz Island, San Francisco Bay, California

**[93] SYMPOSIUM ■ INVENTION AS A PROCESS: PYROTECHNOLOGIES IN PRE-LITERATE SOCIETIES**

**Room:** 306A (HCC)

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

**Chairs:** Miljana Radivojevic and Benjamin Roberts

**Participants:**

- 6:00 Benjamin Roberts—Inventing Metallurgy I: A Global Perspective  
 6:15 Miljana Radivojevic—Inventing Metallurgy II: A Look through the Microscope Lens  
 6:30 Thilo Rehren—Inventing Technical Ceramics  
 6:45 Roger Doonan and Peter Hommel—Between Ideas and Objects: The Doings of Invention in Pottery and Metallurgy  
 7:00 Thomas Fenn—Invention or Innovation? Pyrotechnological Connections between Metallurgy, Glass, and Glazes  
 7:15 David Killick—Invention and Innovation in African Iron Smelting Technology  
 7:30 Wei QIAN—Cast Iron Smelting in Early China: Archaeological Survey and Laboratory Simulation  
 7:45 Carol Schultze—Invention of Silver Technology in the New World  
 8:00 Q&A

- [94] SYMPOSIUM ■ APPROACHING JEFFERS: NEW TECHNIQUES AND NEW PERSPECTIVES FOR A SACRED SITE IN SOUTHWESTERN MINNESOTA**  
**Room:** 301B (HCC)  
**Time:** 6:00 PM - 8:15 PM  
**Chair:** John Soderberg

**Participants:**

- 6:00 Heidi Zirkle—Modeling Daily Patterns of Visibility Using 3D Models of Jeffers Petroglyphs  
 6:15 Sean Greer, Kieran McNulty, and Laura Vietti—Assessing Petroglyph Variability via Roughness and Fractal Analysis  
 6:30 Ryan Knigge, Kieran McNulty, and John Soderberg—Assessing the Value of Geometric Morphometrics for Understanding Quadruped Petroglyphs at Jeffers  
 6:45 Jason Massey, John Soderberg, and Kieran McNulty—Approaching Human Figure Petroglyph Variability through Geometric Morphometrics  
 7:00 Kristina Golubiewski-Davis—What now: Engaging with 3D Models beyond Specialized Software  
 7:15 Patricia Emerson—Documenting Jeffers  
 7:30 Brian Hoffman, Nancy Hoffman, Kevin Reider, and Chelsea Starke—Collaborative Archaeology/Collaborative Education  
 7:45 Thomas Sanders—When Archaeologists Play Well with Others  
 8:00 Q&A

- [95] SYMPOSIUM ■ “ENTANGLING” ARCHAEOLOGY AND HISTORY: EARLY MODERN COLONIALISM IN THE ASIA-PACIFIC REGION**  
**Room:** 312 (HCC)  
**Time:** 6:00 PM - 8:15 PM  
**Chairs:** Maria Cruz Berrocal and Sandra Montón-Subías

**Participants:**

- 6:00 Mark Staniforth—Maritime Trade in South East Asia before 1500 A.D.: The Underwater Evidence  
 6:15 Miao Liu and Chunming Wu—Early Maritime Cultural Interaction between East and West-A Preliminary Study on the Shipwrecks of 16th-17th Centuries Investigated in Southeast Asia  
 6:30 Omaira Brunal-Perry—The Early European Exploration in the Marianas  
 6:45 Frank Quimby—The Mariana Islands and the Role of Early Modern Asia-Pacific Colonization in Globalization  
 7:00 Andrea Jalandoni and John Peterson—Conflict at Contact: Late 17th Century

- 7:15 Spanish Missions and Reduction in Northern Guam  
Rosalind Hunter-Anderson—Discussant
- 7:30 Maria Cruz Berrocal, Sandra Montón, Susana Consuegra, Marc Gener, and Tsang Chenghwa—The 17th century Spanish Colony of Hoping Dao, Taiwan
- 7:45 Alexandre Coello—The Writing of the First *History of the Mariana Islands*, by Charles le Gobien, S.J.
- 8:00 Antonio Gilman—Discussant

**[96] GENERAL SESSION ■ EUROPEAN ARCHAEOLOGY THROUGH THE AGES**  
**Room:** 316A (HCC)  
**Time:** 6:00 PM - 8:00 PM  
**Chair:** Chris Scarre

**Participants:**

- 6:00 Eugene Morin and Ready Elspeth—Why Transporting Bones? An Analysis of Anatomical Profiles from Pleistocene European Archaeofaunas
- 6:15 Bonnie A. B. Blackwell, Ada L. Huang, Maurice Hardy, Francine David, and Clare Tolmie—ESR Dating in a Mousterian Layer at Grotte du Bison, Arcy-sur-Cure, France
- 6:30 Chris Scarre—Places Apart? Islands, Monuments, and Movement in Neolithic Northwest Europe
- 6:45 Laurence Manolakakis and Olivier Weller—Emergence of Social Hierarchy in Europe (ca. 4600 B.C.): Just before Varna, Salt Cakes, and Flint Blades
- 7:00 Emily Holt—Social Complexity and Sustainable Resource Use: A Case Study from Bronze Age Sardinia
- 7:15 Shaheen Christie—An Archaeological Investigation of the Institution of Mithraism in Roman Londinium
- 7:30 Alissa Whitmore—Sewing in the Baths? Archaeological Evidence for Cloth-Working in Roman Public Baths
- 7:45 Erin Crowley—The Changing Role of Children in Roman Britain: New Directions for Future Research

**[97] SYMPOSIUM ■ DIFFERENTIATED PRACTICES IN HIGH PLACES ACROSS THE US-MEXICO BORDERLANDS**  
**Room:** 301A (HCC)  
**Time:** 6:00 PM - 8:30 PM  
**Chair:** Todd Pitezel

**Participants:**

- 6:00 Loni Kantor—Wixárika Tukipa Groups and High Places
- 6:15 Todd Pitezel, Todd Pitezel, and Steve Swanson—Hilltop Signals of Ritual Practice in the Casas Grandes World, Chihuahua, Mexico
- 6:30 Suzanne Fish—Time and Place: The Role of Rio Magdalena Trincheras Sites in Their Settlement System
- 6:45 Randall McGuire and Elisa Villalpando—Cerros de Trincheras and Defense in the Formative Period Trincheras Tradition
- 7:00 Bridget Zavala—Up Above and Not So High: Setting Variation and Cerros de Trincheras in the Northwest/ Southwest
- 7:15 Christian Downum—Pars Pro Toto: Synecdoche and the Interpretation of Tucson Basin Trincheras Sites
- 7:30 Paul Fish, Suzanne Fish, and Todd Pitezel—Understanding Parallels: Cross-Cutting Elements among Borderlands Hill Sites
- 7:45 Jose Luis Punzo—The Chalchihuiteños, Dwellers of the Hills in the Valley of Guadiana, Durango, Mexico

- 8:00 Todd Bostwick—Hohokam Sunwatching at the Shaw Butte Hilltop Site in Phoenix, Arizona  
8:15 Ben Nelson—Discussant

**[98] SYMPOSIUM ■ NOVEL APPLICATIONS OF MICROSCOPY AND MICROANALYSIS**  
**Room:** 318A (HCC)  
**Time:** 6:00 PM - 8:30 PM  
**Chairs:** Adrian Evans, Danielle Macdonald and Harry Lerner

**Participants:**

- 6:00 Adrian Evans, Danielle Macdonald, Silvia Bello, and Andreu Ollé—3D Microscopy in Archaeology: A review of Techniques and Applications  
6:15 William Stemp, Tonya Coffey, Adrian Evans, Harry Lerner, and Danielle MacDonald—An Assessment of Multiple Surface Measurement Systems: Documenting Use-Wear on Experimental Mistassini Quartzite Scrapers  
6:30 Elizabeth Sonnenburg—Microscopic Analysis of Submerged Landscapes of the Alpena-Amberley Ridge  
6:45 Danielle Macdonald, Adrian Evans, Claudiu Giusca, and Richard Leach—The Effect of Use Duration on Surface Roughness Measurements of Lithic Tools  
7:00 Annelou Van Gijn—Discussant  
7:15 Karl Hutchings—A Moment in Time Set in Stone: Identification and Analysis of Velocity-Dependent Lithic Micro-Fracture Features  
7:30 Justin Pargeter, Karl Hutchings, and Marlize Lombard—Using Velocity-Dependent Micro-fracture Features to Determine Rates of Impact and Weapon Delivery Systems in an Experimental Hunting Context  
7:45 Rachel Crellin and Andrea Dolfini—Metals under the Microscope: Use-Wear Analysis on Prehistoric Copper Alloy Objects  
8:00 Harry Lerner—GIS, Microscopy, and Patterns of Use-Wear Accrual on Different Lithic Raw Materials: An Experimental Exploration of Changing Microtopographies and Their Implications for Archaeological Interpretation  
8:15 Q&A

**[99] SYMPOSIUM ■ ACCESSIBLE ARCHAEOLOGY**  
**Room:** 306B (HCC)  
**Time:** 6:00 PM - 8:30 PM  
**Chairs:** Annelise Morris and Kelly Fong

**Participants:**

- 6:00 Jodi Skipper—Beyond the Dig: St. Paul United Methodist Church and Public Archeology in the Long Run  
6:15 Edward Gonzalez-Tennant—New Heritage and Dark Tourism: A Mixed Methods Approach to Social Justice in Rosewood, Florida  
6:30 Annelise Morris—Excavating Our History: Public Archaeology in Rural Southern Illinois  
6:45 Katrina Eichner—Repacking the Risqué: Public Response to the Archaeology of Sexuality  
7:00 Kelly Fong—From the Ground Up: Transforming Historical Archaeologies into Social Histories  
7:15 Margarita De Guzman—Creating a Community of Archaeology: The Story of the SVG Public Archaeology Program  
7:30 Mitch Allen—From Marshalltown to Mark Twain: Challenges in Publishing Literary Archaeology  
7:45 Alexandra Jones—Public Education Programs Making Archaeology Accessible to Youth

8:00 Adrian Praetzellis—Discussant  
8:15 Q&A

**[100] SYMPOSIUM ■ WHITHER ARCHAEOLOGIES OF POVERTY?**

**Room:** 319A (HCC)  
**Time:** 6:00 PM - 8:30 PM  
**Chair:** Cameron Wesson

**Participants:**

6:00 Rahul Oka and Dianna Bartone—Reclaiming Poverty for Anthropology: How Archaeology Can Form the Basis for Understanding the Evolution, Endurance, and Ubiquity of Global Poverty  
6:15 Sarah Chicone—Toward Archaeological Analysis of Poverty: A Consideration of Impacts  
6:30 Suzanne Spencer-Wood—Why Has Poverty Been Neglected in Prehistoric Archaeology?  
6:45 Cameron Wesson—Searching High and Low: Finding Poverty in the Past  
7:00 Orri Vesteinsson—Poverty in the Viking Age North Atlantic  
7:15 Matthew Sayre—Family, Markets, and Poverty in the Pre-Conquest Andes  
7:30 Donna Nash—The Haves and the Have-nots: Poverty in the Ancient Andes?  
7:45 Chelsea Blackmore—Poverty of Interpretations or Ancient Maya Poverty?  
8:00 Anne Pyburn—Discussant  
8:15 Christopher Matthews—Discussant

**[101] SYMPOSIUM ■ NEGOTIATING IDENTITIES: DEFINING AND COMPARTMENTALIZING THE SELF AND GROUP IN MULTI-CULTURAL SETTINGS**

**Room:** 319B (HCC)  
**Time:** 6:00 PM - 8:30 PM  
**Chairs:** Kathryn Baustian, Aaron Woods and Anna Osterholtz

**Participants:**

6:00 Hemanth Kadambi—Constituting Royal-Dynastic Identity in South India: Negotiations in a Sacred Landscape  
6:15 Lauren Ristvet—Rethinking Identity and Tradition in Hellenistic Babylonia  
6:30 Matthew Gallon—Urbanization and the Construction of Religious Identities in Mid-First Millennium C.E. Central Thailand  
6:45 Anna Osterholtz and Ryan Harrod—Warrior, Soldier, Big Man: Warrior Ethos, Identity Formation and the Negotiation of Social Roles in Multicultural Settings  
7:00 Douglas Charles—Identity Differentiation during the Hopewell Phenomenon of the Eastern Woodlands of North America  
7:15 Kathryn Baustian and Lauren W. Falvey—You are Who You Meet: Identity Formation in the Mimbres Valley  
7:30 Andrew Duff—Identity and History on Chaco's Southern Frontier  
7:45 Richard Sutter and Oscar Gabriel Prieto—“Becoming Moche”: An Examination of Competing Models of Ethnogenesis Using Archaeological and Bioarchaeological Data for the Early Intermediate Period (A.D. 200 – 750) in the Moche Valley, Perú  
8:00 Kenneth Sassaman—Discussant  
8:15 Norman Yoffee—Discussant

**[102] SYMPOSIUM ■ CALIFORNIA MISSION ARCHAEOLOGY IN THE LOS ANGELES AREA**

**Room:** 324 (HCC)  
**Time:** 6:00 PM - 8:30 PM

**Chair:** John Dietler

**Participants:**

- 6:00 John Dietler—Mission and Pueblo: The Mission Period Archaeology of San Gabriel and Los Angeles  
6:15 Laura Hoffman and John Dietler—Water at the San Gabriel Mission and the Intensification of Production: The Industrial Revolution Comes to California  
6:30 Michael Tuma and Ryan Glenn—Analysis of Vertebrate Faunal Remains from the San Gabriel Mission Archaeological Site  
6:45 M. Colleen Hamilton and Kholood Abdo Hintzman—Mission San Gabriel Ceramics: Distribution and Frequencies of Occurrence of Exports and Indigenous Ceramics  
7:00 Kim Owens—Public Outreach: Striving for Balance While Presenting California Mission Archaeology  
7:15 Suzanne Griset—Native American Ceramics in 19th Century Los Angeles Basin  
7:30 Sara Dietler—To the West of the Mission: Artifacts and Mortuary Patterns of a 19th Century Los Angeles Pueblo Cemetery  
7:45 Heather Gibson—Death and Dying in 19th-Century Los Angeles: Mortuary Archaeology at Two Historic Cemeteries  
8:00 Samantha Murray—The People of Plaza Church Cemetery (1822-1844): An Osteological Analysis of Los Angeles's First Cemetery  
8:15 Benjamin Vargas—De la ciudad (Yang-na) y la misión (Sibanga). Recent Archaeological Investigations at the Pueblo of Los Angeles and the Mission San Gabriel Arcángel and the Greater Implications for Studies of Culture Contact in the Los Angeles Basin

**[103] GENERAL SESSION ■ GLOBAL APPROACHES IN ARCHAEOBOTANY**

**Room:** 323A (HCC)

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

**Chair:** Shanti Morell-Hart

**Participants:**

- 6:00 Kristin Hoppa—Middle Holocene Plant Use on Santa Cruz Island  
6:15 Julio Mercader—Plant Microbotanical Data from Middle Stone Age Sites to Understand the Environments in Which Early Modern Humans Lived  
6:30 Sarah Oas—Revisiting Bosumpra: Investigating Plant Use, Continuity, and Change in the Ghanaian Rainforest during the Late Stone Age  
6:45 Jon Hageman, Kelsey Nordine, and David Goldstein—Creating a Digital Archaeobotanical Reference Guide  
7:00 Melissa Logan and Linda Scott Cummings—Lava Tubes: Bird Habitat, Sweet Potato Gardens, or Something Else?  
7:15 Caroline Bachelet—Wood Exploitation in the "Cidade de Pedra" (Rondonópolis, Mato Grosso, Brazil) from the Middle Holocene: An Anthracological Analysis  
7:30 Leandro Cascon and Rui Sérgio Sereni Murrieta—Deep Roots: Discussing the Role of the Concept of Root-Crop Agriculture in Amazonian Pre-Colonial Archaeology  
7:45 Marsha Sims—Islands in the Mountains, Plant Utilization, and a Look at Frontrangia and Uncompahgria in Colorado – Relic and Sandy Soils, Access to Lithics, and Archaeological Sites  
8:00 Katherine Chiou, Christine Hastorf, and Tom Dillehay—Early Evidence for *Capsicum* spp. at the Preceramic Sites of Huaca Prieta and Paredones, Chicama Valley, Peru  
8:15 Shanti Morell-Hart—Ancient Pharmacopoeias of Northwestern Honduras

**[104] SYMPOSIUM ■ OLD BORDERS AND NEW FRONTIERS: DOING HISTORICAL ARCHAEOLOGY IN SOUTHEAST ASIA**

**Room:** 316B (HCC)

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

**Chair:** Mitch Hendrickson

**Participants:**

- 6:00 Roland Fletcher—The Theoretical Implications of a Historical Archaeology of SE Asia  
6:15 Piphil Heng—New Light on the Pre-Angkorian Polity: Viewed from a Regional Center of Thala Borivat  
6:30 Tom Chandler—Modeling and Animating the Accounts of Zhou Daguan  
6:45 Miriam Stark, Rachna Chhay, Piphil Heng, and Alison Carter—Angkorian Settlement: A View from the Center  
7:00 David Brotherson—The Fortification of Angkor Wat  
7:15 Mitch Hendrickson—Fusing Scissors, Paper, and Rock: An Archaeological Investigation of the Metallurgy, Text, and Masonry Histories at the Angkorian Khmer Complex of Preah Khan of Kompong Svay, Cambodia  
7:30 Wannasarn Noonsuk—The Foundation of Greatness: The Early Development of the Tambralinga Kingdom in Peninsular Siam  
7:45 John Miksic—Highland-Lowland-Mainland Relations in Sumatra, and the China Factor  
8:00 Gabrielle Ewington—Middle Period Cambodian Inscriptions  
8:15 Pierre-Yves Manguin—Regional Religious and Trade Networks in Early Historic Southeast Asia: A Pan-regional Process  
8:30 Christophe Pottier—Discussant

**[105] SYMPOSIUM ■ DIGITAL TRANSITIONS: TECHNOLOGIES FOR ARCHAEOLOGICAL FIELDWORK, PUBLISHING, AND COMMUNITY ENGAGEMENT**

*(Sponsored by the Center for Digital Archaeology, UC Berkeley)*

**Room:** 318B (HCC)

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

**Chair:** Michael Ashley

**Participants:**

- 6:00 Michael Jennings—Digital Archaeology in the Middle East: Recent Work in Jericho  
6:15 Kathryn DeTore and Rebecca E. Bria—Explorations in Digital Data Collection in the Remote Andes of Peru  
6:30 Timothy Gill—Mobile Data Entry Using "Codifi" Database Program at Palehua, Hawai'i  
6:45 Margaret Conkey—Out of the Stone Age: Toward an Integrated Digital Archive for a Paleolithic Survey  
7:00 Michael Ashley and Ruth Tringham—Last House on the Hill: An Archaeological "Multigraph" for the Digital Age  
7:15 Kimberly Christen and Kimberly Christen—Mukurtu CMS: Grassroots Information Management Tool  
7:30 Elena Toffalori, Michael Ashley, Chacha Sikes, and Dario Ciccone—Community Engagement and Heritage Preservation through an iPhone App: Mukurtu Mobile  
7:45 Rachel Opitz, Nicola Terrenato, Anna Gallone, and Marcello Mogetta—Translating Digital Practice: From Collection to Interpretation  
8:00 Ruth Tringham and Pietro Ferraris—A Mobile App to Enhance Visits to Heritage Places: The Example of Angel Island  
8:15 Thomas Levy—Discussant  
8:30 Q&A

**[106] SYMPOSIUM ■ THE CONNECTED PAST: CRITICAL AND INNOVATIVE APPROACHES TO****NETWORKS IN ARCHAEOLOGY****Room:** 314 (HCC)**Time:** 6:00 PM - 8:45 PM**Chairs:** Tom Brughmans and Barbara Mills**Participants:**

- 6:00 Ian Hodder—Discussant  
6:15 Mark Golitko and Gary Feinman—Network Analysis of Classic and Postclassic Obsidian Distribution in Mesoamerica  
6:30 Herbert Maschner, Jennifer Dunne, and Spencer Wood—Food-Webs as Network Tools for Investigating Historic and Prehistoric Roles of Humans as Consumers in Marine Ecosystems  
6:45 Ethan Cochrane—Artifact Classification and Networks: A Case Study from the Southwest Pacific  
7:00 Shawn Graham—Reanimating Networks with Agent Modeling  
7:15 Barbara Mills, Matthew Peebles, Wm. R. Haas, Lewis Borck, and Jeffery Clark—Multiscalar Perspectives on Social Networks in the Late Prehispanic Southwest  
7:30 Tom Brughmans, Simon Keay, and Graeme Earl—Just Points and Lines? Exploratory Network Analysis from a Roman Archaeology Perspective  
7:45 Tim Kohler, Stefani Crabtree, and Michael Berry—Secrets of the Southwest Solved by Walkative Tree Rings  
8:00 Angus Mol, Corinne Hofman, and Menno Hoogland—Remotely Local: A Network Model of the 14th Century Settlement of Kelbey's Ridge, Saba  
8:15 Fiona Coward—Getting to Grips with the Very Earliest Social Networks: The Challenges of Using Network Methodologies to Tackle Palaeolithic Datasets  
8:30 Koji Mizoguchi—Prestige Goods and Social Hierarchization Revisited: A Formal Network Approach to the Hierarchization of Intercommunal Relations in the Middle Yayoi Period in Northern Kyushu, Japan

**[107] SYMPOSIUM ■ TENDENCIAS RECIENTES EN LA ARQUEOLOGÍA DEL OCCIDENTE DE MÉXICO****Room:** 323C (HCC)**Time:** 6:00 PM - 9:00 PM**Chairs:** Luis Gomez-Gastelum and Marco Antonio Acosta-Ruiz**Participants:**

- 6:00 Ericka Blanco—Los procesos y sus permanencias. El caso de la Isla de Atitlán en el Occidente de México  
6:15 Sean Smith—El cambio social en la Región de los Tres Valles en el altiplano central jalisciense  
6:30 Carlos Lopez Cruz—Investigaciones arqueológicas recientes en el río Santiago, Jalisco, México  
6:45 José Carlos Beltrán Medina—Mololoa, un entierro en la montaña  
7:00 Marco Antonio Acosta-Ruiz and Francisco Manuel Rodríguez Mota—Análisis contextual de sitios con manifestaciones gráficas rupestres en la Cuenca de Sayula, Jalisco  
7:15 Luis Gomez-Gastelum—Notas para el estudio de la niñez en el antiguo occidente de México  
7:30 Juan Jose G. Bracamontes Gutierrez—The Historical Archeology of the Port of San Blas  
7:45 Alberto Aguirre—Arqueología de la arquitectura para la producción. Un caso de estudio en la tierra caliente michoacana

- 8:00 Magdalena Garcia Sanchez—"Metatología". De cómo y cuándo se usan metates y molcajetes. Una mirada desde la etnografía arqueológica  
8:15 Isaias Hernandez-Estrada—Los maestros escultores en barro de San Pedro Tlaquepaque y Tonalá, Jalisco  
8:30 Luis Gomez-Gastelum—Discussant  
8:45 Marco Antonio Acosta-Ruiz—Discussant

- [108] SYMPOSIUM ■ NEW DEVELOPMENTS AND DEBATES AROUND PACHACAMAC AND THE LURIN VALLEY DURING THE LATE PRE-COLUMBIAN PERIODS**  
**Room:** 323B (HCC)  
**Time:** 6:00 PM - 9:00 PM  
**Chairs:** Luis Lopez-Hurtado and Camila Capriata Estrada

**Participants:**

- 6:00 Luis Lopez-Hurtado—Archaeological Research Program IEP Peruvian Central Coast  
6:15 Anna Munns—Ychsma Shells: A Malacological Analysis at Panquima  
6:30 Zachary Critchley—Textile Production and Distribution at Panquima  
6:45 Camila Capriata Estrada—Behind Closed Doors: Private Ritual Practice at Panquima  
7:00 Michelle Chang—Plant Species at the Site of Panquima and How They Are Used Today in the Andes  
7:15 Dana Case—A Description of the Artifacts Recovered on the Patio of Pyramid 3, and the Conclusions That Can Be Drawn from These Findings  
7:30 Alysia Leon—Two Vastly Different Burials within Close Proximity  
7:45 Sudarsana Mohanty and Jillian Serio—An Analysis of Burials found in Yschma Domestic Spaces at the site of Panquima in the Lurin Valley, Peru  
8:00 Jillian Serio and Sudarsana Mohanty—An Analysis of Burials Found in Yschma Domestic Spaces at the Site of Panquima in the Lurin Valley, Peru  
8:15 Andrew Hardy—Multiple Functions of Pre-Columbian Buildings in the Andes: A Ceramic Analysis of Pyramid 3 in Panquima, Peru  
8:30 Augusto Vasquez—Friezes at the Lurin Valley: Function, Importance, and Meaning  
8:45 Giancarlo Marcone—Discussant

- [109] SYMPOSIUM ■ THE ARCHAEOLOGY OF RELIGION IN THE MESOAMERICAN CAVE CONTEXT**  
**Room:** 311 (HCC)  
**Time:** 6:00 PM - 9:15 PM  
**Chairs:** James Brady and Melanie Saldana

**Participants:**

- 6:00 Dominique Rissolo, James C. Chatters, Douglas Kennett, Yemane Asmerom, and Pilar Luna Erreguerena—Recent Analyses of the Late Pleistocene Human Skeleton from the Submerged Cave Site of Hoyo Negro, Quintana Roo, Mexico  
6:15 Donald Slater—To the Four Corners: Fragmentation, Scattering, and Termination in the Caves of Ancient Central Yucatan, Mexico  
6:30 Fabio Amador and Guillermo de Anda—Seeing Cenotes: New Strategies in Studying the Flooded Caves of the Yucatan Peninsula  
6:45 Shawn Morton—Polity Development during the Late/Terminal Classic as Attested in Subterranean Site Contexts of the Caves Branch and Roaring Creek Valleys of Belize, C.A.  
7:00 C. L. Kieffer—Atypical Cave Offerings: Identifying the Sacrificed Social Outcasts via Osteobiographies at Midnight Terror Cave, Belize

- 7:15 Joseph Orozco and Joseph Orozco—Faunal Assemblage of Midnight Terror Cave  
7:30 Toni Gonzalez and Helen Haines—Exploring the Ritual Function of Chultuns: A Taste from Ka'Kabish  
7:45 Jon Spenard—Just How Far Do We Go in “Cave” Archaeology? A Discussion of the Modified Karst Landscapes around Pacbitun, Belize  
8:00 Humberto Nation and Holley Moyes—Social Implications of Spectrometric Techniques of Speleothem Sourcing from Belize  
8:15 Mario Giron-Ábrego—The “Cave/Mountain Entering” Metaphor for Death and the Och Witz Event on Stela 31  
8:30 Ann Scott—Searching for Light amid the Darkness: An Examination of Contemporary Ritual Behavior among the Kaqchikel Maya in Guatemala  
8:45 James Brady, Tamara Ballensky, and Elliot Stahl—A Preliminary Discussion of the Cueva de Rey Condoy Mud Sculptures  
9:00 Q&A

**[110] SYMPOSIUM ■ PRESERVATION ARCHAEOLOGY AND THE BELLWETHER NONPROFITS OF THE SOUTHWEST**

**Room:** 316C (HCC)  
**Time:** 6:00 PM - 9:30 PM

**Chair:** William Doelle

**Participants:**

- 6:00 William Doelle—What Is Preservation Archaeology?  
6:15 Deborah Huntley and Jeffery Clark—Preservation Archaeology in the Southern Southwest: Minimizing Impact, Maximizing Results  
6:30 Mark Varien—Preservation Archaeology at the Crow Canyon Archaeological Center: Integrating Research, Education, and American Indian Partnerships  
6:45 John Ware and John Kantner—A Tale of Two Institutions: Synthesis and Publication in the Greater Southwest  
7:00 John Welch, Karl Hoerig, Mark Altaha, and Ramon Riley—Fort Apache Heritage Foundation  
7:15 Robert Breunig and Jim Enoe—Forming Partnerships with Tribal Communities  
7:30 Mark Michel—Protecting Sites through Ownership  
7:45 Andy Laurenzi—Site Protection – A Glass Half Full?  
8:00 Deborah Gangloff—Archaeological Advocacy: Making the Economic Case for Cultural Resources  
8:15 Lynne Sebastian—Flexible, Pragmatic Approaches to Historic Preservation Compliance  
8:30 Douglas Gann—Strategies for Public Outreach in Preservation Archaeology  
8:45 William Lipe—Discussant  
9:00 James Snead—Discussant  
9:15 Don Fowler—Discussant

**Friday Morning ■ April 05, 2013**

- [111A]**    **WORKSHOP ■ ARCHAEOLOGICAL APPLICATIONS OF AIRBORNE LASERSCANNING**  
**Room:** Sea Pearl III-IV (HHV)  
**Time:** 8:00 AM - 3:00 PM

- [111]**    **GENERAL SESSION ■ HERITAGE AND COMMUNITY IN ARCHAEOLOGY**  
**Room:** 323B (HCC)  
**Time:** 8:00 AM - 8:30 AM  
**Chair:** John Wingard

**Participants:**

- 8:00    Alvaro Higueras—Indigenous Amazonian Societies in Distress: Monitoring Heritage Risk and Social Decay in the Peruvian Amazon  
8:15    John Wingard, Margaret Purser, Katherine Dowdall, and Otis Parrish—Archaeologists, Localized Communities, and Emerging Models of Community Engagement

- [112]**    **GENERAL SESSION ■ THE ARCHAEOLOGY OF EARLY JAPAN**  
**Room:** 323A (HCC)  
**Time:** 8:00 AM - 9:00 AM  
**Chair:** Fumiko Ikawa-Smith

**Participants:**

- 8:00    Takashi Sakaguchi—Foundations of Jomon Male Symbolism Seen from Vessels with Phallic Spout  
8:15    Wendy Frederick—Ainu Identity and Expressive Culture  
8:30    Kaoru Akoshima—Integrating Lithic Microwear Traces with Site Structure and Settlement Mobility Patterns in the Upper Palaeolithic of Northeast Japan  
8:45    Fumiko Ikawa-Smith—Peopling of the Japanese Archipelago: When? From where? And How Many Times?

- [113]**    **SYMPOSIUM ■ NOT THE END AFTER ALL: NEW ARCHAEOLOGICAL PERSPECTIVES FOR THE ANCIENT CITY OF CHICHÉN ITZÁ**  
**Room:** 312 (HCC)  
**Time:** 8:00 AM - 9:30 AM  
**Chair:** Hector Hernandez

**Participants:**

- 8:00    Rafael Cobos—Construction Sequence of the Great Terrace and Associated Buildings at Chichén Itzá, Yucatán, México  
8:15    Socorro Jimenez and Rafael Cobos—The Peto Cream Ware of Chichén Itzá: Time and Technology  
8:30    Lilia Fernandez Souza, Mario Zimmermann, and Joaquín Venegas de la Torre—Revisiting Patio-Galleries: Use of Spaces in Structure 2D6 of Chichén Itzá  
8:45    Guillermo De Anda Alaniz—Climatic Changes during the Terminal Classic Period at Chichén Itzá, Yucatán  
9:00    Hector Hernandez—Masculine Places at Chichén Itzá: Ritual Activity and Social Identity in a Terminal Classic Structure  
9:15    Rafael Cobos—Discussant

**[114] SYMPOSIUM ■ CONTEXTOS ARQUEOLÓGICOS FUNERARIOS EN LOS VALLES CENTRALES DE OAXACA, ESTUDIOS RECIENTES****Room:** 316B (HCC)**Time:** 8:00 AM - 9:45 AM**Chair:** Pedro Ramon Celis**Participants:**

- 8:00 Jorge Rios—Hallazgos funerarios recientes en Lambityeco-Yegüih: consideraciones preliminares
- 8:15 Pedro Ramon Celis—Cambios en los ritos funerarios zapotecos durante el posclásico; retomando a Bernal y “los mixtecos y el valle de Oaxaca”
- 8:30 Ivan Olguin—Los contextos arqueológicos de las tumbas de Mitla
- 8:45 Jaime Vera, Nelly M. Robles, and Eduardo García—Un montículo funerario en Atzompa
- 9:00 Agustín Andrade—Los contextos funerarios de San Sebastián Teitipac
- 9:15 Michael Campana, Nelly Robles Garcia, Frank Ruehli, and Noreen Tuross—Disease, Death and DNA at Teposcolula Yacundaa, Oaxaca
- 9:30 Patricia Plunket—Discussant

**[115] SYMPOSIUM ■ ARCHAEOLOGY OF AFRICA AND DIASPORA COMMUNITY FORMATION****Room:** 319A (HCC)**Time:** 8:00 AM - 9:45 AM**Chair:** William Schaffer**Participants:**

- 8:00 Christopher Fennell—Trans-Atlantic Entanglements and Cultural Transformations
- 8:15 J. Cameron Monroe—State and Community in Precolonial Dahomey
- 8:30 E. Kofi Agorsah—The Kormantse Factor in African Identity in the Diaspora
- 8:45 William Schaffer—Reconstructing Identity and Mortuary Ritual at Historic Kormantse, Central Region, Ghana
- 9:00 Cheryl White—Paths, Places, and Names: Ethno-archaeology and Maroons in Suriname, SA
- 9:15 Grace Turner—An Allegory for Life: Transforming the Bahamas
- 9:30 Shannon Mahoney—Post-Emancipation Community Building at Charles' Corner in Tidewater Virginia

**[116] SYMPOSIUM ■ MANIPULATING PREY: DEVELOPMENT OF MASS KILL EVENTS AROUND THE GLOBE****Room:** 305A (HCC)**Time:** 8:00 AM - 9:45 AM**Chairs:** Leland Bement and Kristen Carlson**Participants:**

- 8:00 David Maxwell and Jonathan Driver—New Approaches to Old Data: Plains Bison Kill Population Dynamics Revisited
- 8:15 Adam Graves—Meet at the Meat!?
- 8:30 Maria Zedeño and Jesse Ballenger—Late Prehistoric Communal Bison Hunting along the Northern Rocky Mountain Front: Implications for Territory Formation among Big-Game Hunters
- 8:45 Kristen Carlson and Leland Bement—The Development of Paleoindian Large Scale Bison Kills: A Comparison of Northwestern to Southern Plains Arroyo Traps

- 9:00 Marie-Anne Julien and Oleksandra Krotova—Mass kills, Small Kills, and Subsistence Economies in Eastern Europe during the Upper Palaeolithic  
9:15 Jason LaBelle—Hunters of the High Country: Exploring Variation in the Complexity and Ages of Game Drives in the Colorado Alpine Tundra  
9:30 Bruce Smith—Discussant

**[117] GENERAL SESSION ■ UNBURYING DATA: ADVANCES IN LAB METHODS**

**Room:** 318A (HCC)  
**Time:** 8:00 AM - 9:45 AM  
**Chair:** Daniel Moore

**Participants:**

- 8:00 Ted Parsons and Roberta Gordaoff—Creating Site Orthophotos and 3-D Models for a House Feature in the Aleutian Islands  
8:15 Erik Otárola-Castillo, Emma James, Jessica Thompson, Jacob Harris, and Agustina Massigoge—No Longer Just a Pretty Picture: Differentiating between Experimental Bone Surface Modifications Using 3D Morphometric Analysis  
8:30 Andrea Alveshere—Forgotten Studies, Buried Data: Unearthing the Hidden Potential of Interdisciplinary Archaeological Records  
8:45 Dena Sedar—The Good, The Bad, and the Not So Ugly: A Comparative Analysis of the Poorly Provenienced Nevada State Incised Stone Collection with Incised Stones Recovered from Controlled Excavations  
9:00 Andrew Zipkin, Mark Wagner, and Alison S. Brooks—The Role of Loading Agent Particle Size and Mineralogy in Formulating Compound-Hafting Adhesives  
9:15 Jessica Slater and Brad Comeau—Time, Space, and Place: The Potential of Time/Geography, Geophysical, and Geochemical Approaches for Capturing Experimental Engagement  
9:30 Daniel Moore—Earthen Architecture at Poggio Civitate, Italy

**[118] FORUM ■ "BUT I JUST LIKE TO DIG": PRACTICAL ETHICS FOR THE PROFESSIONAL ARCHAEOLOGIST**

**Room:** 319B (HCC)  
**Time:** 8:00 AM - 10:00 AM  
**Moderator:** Anne Pyburn

**Participants:**

- Larry Zimmerman—Discussant  
Alexis Bunten—Discussant  
Margaret Conkey—Discussant  
Beverly Chiarulli—Discussant  
George Nicholas—Discussant  
Marcia Bezerra—Discussant

**[119] POSTER SESSION ■ HISTORICAL ARCHAEOLOGY**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 119-a Karlene Leeper—Wake Island National Historic Landmark: Opportunities for Subsurface Archaeological Testing and Discovery  
119-b John Anderton, Marla Buckmaster, James Paquette, and Robert Legg—Archaeology on the Cusp of a Changing World: The GLO# 3 Site (20MQ140), an Early Fur Trade-Era Winter Occupation in the Lake Superior Basin, U.S.A.  
119-c Nicole Mathwich and Lee M. Panich—Excavations of a Native American

- 119-d Dormitory at Mission Santa Clara, California  
Sarah Peelo, Linda Hylkema, and Clinton Blount—The Indian Rancheria at Mission Santa Clara de Asís
- 119-e Nichole Gillis and Kristen Heitert —Knee Deep in Paul Revere's Privy?  
Archaeology of the Paul Revere Houselot, Boston, Massachusetts
- 119-f Laura Bailey and Catherine Johns—Materiality of Energy: Mass Consumption Issues in Material Culture on Public Transit
- 119-g Zachary Overfield—Resurrecting Old Pattonia: Uncovering the Lifeways of a 19th Century Shipping Port Community
- 119-h David Cook, Jeffrey Glover, and Ian Johnson—The Phoenix Project: Resurrecting the MARTA Archaeological Collection and Atlanta's Past
- 119-i Eva Falls, Kimberly Pyszka, and Maureen Hays—An Archaeological Exploration into the 19th Century Fickling Plantation Slave Settlement, Hollywood, SC
- 119-j Rochelle Lurie—Almshouses, Poorhouses, and Poor Farms: The Oak Forest Institution, an Example from Cook County, Illinois
- 119-k Natalia Cirigliano and Miriam Vommaro—Historical Occupations at the Southern Part of the Deseado Massif: The Case of La Gruta 3 (Santa Cruz, Argentina)

- [120] POSTER SESSION ■ PEOPLE OF THE MIDDLE FRASER CANYON DURING BRITISH COLUMBIA'S FUR TRADE ERA: HOUSEHOLD SOCIAL, ECONOMIC, AND POLITICAL ORGANIZATION AT BRIDGE RIVER**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 8:00 AM - 10:00 AM  
**Chair:** Anna Prentiss

**Participants:**

- 120-a Anna Prentiss—The Archaeology of Housepit 54 during the Colonial Period at Bridge River
- 120-b Kelly French—Lithic Technology at the Bridge River Site
- 120-c Sara Hocking—Lithic Technology at Housepit 54 during the Fur Trade Era: Testing a Central Place Foraging Model
- 120-d C. Riley Auge, Mary Bobbit, T. A. Foor, and Kelly Dixon—Indigenous Uses of Non-traditional Artifacts at a Mid-Fraser Village
- 120-e Mary Bobbitt, C. Riley Auge, T. A. Foor, and Kelly J. Dixon—Interpreting the Intra and Extra Regional Trade Networks at the Bridge River Site
- 120-f Phillip Hamilton, Kristen Barnett, Alexandra Williams, and Anna Prentiss—Knapping on the Roof: Spatial Analysis of Materials from the Housepit 54 Final Roof, Bridge River Site, British Columbia
- 120-g Alexandra Williams—Household Organization in the Fur Trade Era: Spatial and Socioeconomic Relationships of Housepit 54
- 120-h Katherine Hill, Nathan Goodale, Alissa Nauman, and David B. Bailey—Elemental Characterization of Floor Sediments from Housepit 54, Bridge River Housepit Village, British Columbia
- 120-i Eric Carlson—Mass Harvesting, Processing, and Food Storage at the Late-Prehistoric S7i7stkn Site (Little Pithouse site), Middle Fraser Region, British Columbia
- 120-j Lisa Smith—People Occupied Small Villages Too: Household Archaeology of Housepit 1 of the S7i7stkn Site (Little Pithouse site), Middle Fraser Region, British Columbia
- 120-k Ayme Swartz and Kristen Barnett—Women in the House: Social Aspects of Grief

- [121] POSTER SESSION ■ VIOLENCE, PLACE-MAKING, AND THE MATERIALITY OF BORDER CROSSING: RECENT RESEARCH FROM THE UNDOCUMENTED MIGRATION PROJECT**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Chairs:** Jason De Leon, Cameron Gokee, and Ashley Schubert

**Participants:**

- 121-a Haeden Stewart and Ian Ostericher—The Different Strategies and Stages of “The Crossing”: Mapping the Assemblages of Migrant Sites in Relation to Their Distance from the Arizona/Sonora Border
- 121-b Mario Castillo—A Taphonomic Approach to Migrant Stations: Excavating Cultural and Natural Site Formation Processes in the Sonoran Desert
- 121-c Robyn Dennis—Security and Shelter in the Desert: Visibility and Its Role in the Location of Migrant Stations
- 121-d Samantha Grabowska—Clandestine Architecture along the U.S.-Mexico Border: Housing the Invisible Body in a Landscape of Surveillance
- 121-e Cameron Gokee and Cameron Gokee—Bitter Pills to Swallow: Undocumented Migration and Medication in the Sonoran Desert
- 121-f Parth Singh and Jason De Leon—¿Cuanto vale? An Economic Analysis of Migrant Stations and the Corporations Who Profit from Undocumented Migration
- 121-g Magda Mankel—Undocumented Migration, Boundary Enforcement, and Contemporary Archaeological Sites: Understanding the Modified Southern Arizona Landscape from the Perspective of Locals
- 121-h Justine Drummond and Jason De León—Interactions at Humanitarian Water Drop Sites: An Archaeological and Ethnographic Study of Clandestine Culture Contact among Undocumented Migrants, Humanitarian Aid Groups, and Border Patrol
- 121-i Ashley Schubert, Jason De León, and Madeline Naumann—Artifacts of “Deterrence”: The Materiality of Migrant Contact with U.S. Border Patrol
- 121-j Olivia Waterhouse and Jason De León—Trying to Understand What It Feels Like to Literally Walk in Someone’s Shoes: An Experimental-Ethnographic-Archaeological Approach to Migrant Shoes
- 121-k Jason De Leon and Robin Reineke—Necroviolence and the Posthumous Lives of Undocumented Border Crossers
- 121-l Sophia Yackshaw and Jason De Leon—Necroviolence, Taphonomy, and the Ethics of Killing Animals to Understand What Happens to the Corpses of Undocumented Border Crossers
- 121-m Maya Fernandez and Jason De Leon—Documenting the Dead: A Geo-Spatial Analysis of Published Migrant Death Locations
- 121-n Anna Forringer-Beal—What Little Remains: Examining The Impact of Desert Conservation Efforts on the Archaeological Record of Undocumented Migration in Southern Arizona

**[122] POSTER SESSION ■ THE ARCHAEOLOGY OF NUCLEAR TESTING AND ITS ANTECEDENTS ON THE NEVADA NATIONAL SECURITY SITE**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Chairs:** Harold Drollinger and Colleen Beck

**Participants:**

- 122-a Colleen Beck—An Overview of the Archaeology of Nuclear Testing at the Nevada National Security Site
- 122-b Jeffrey Wedding, David Smee, and Alex Heindl—Archaeologist’s Field Guide for Identifying Cold War Era Military Food Cans
- 122-c Susan Edwards—BREN Tower: The Rise and Fall of an Atomic-Age Icon
- 122-d Harold Drollinger—Nuclear Rocketry at the Nevada National Security Site
- 122-e Robert Jones—An Archaeological Study of the Smoky Atmospheric Test

- 122-f Justin DeMaio—Before Nuclear Testing: Evidence of Prehistoric Inhabitants on the Nevada National Security Site (NNSS)  
122-g Lauren Falvey—Before Nuclear Testing: Historic Archaeology on the Nevada National Security Site  
122-h Barbara Holz—A Cold War Battlefield: Frenchman Flat Historic District, Nevada National Security Site, Nye County, Nevada  
122-i Maureen King—The Perplexity of Recording Cultural Resources at Atmospheric Nuclear Test Sites

- [123] SYMPOSIUM ■ BREAKING GROUND: ONE YEAR OF CULTURAL RESOURCES MANAGEMENT FOR THE NAVAJO-GALLUP WATER SUPPLY PROJECT, NEW MEXICO**  
(Sponsored by PaleoWest Archaeology)  
**Room:** 314 (HCC)  
**Time:** 8:00 AM - 10:30 AM  
**Chairs:** Shawn Fehrenbach and Kevin Thompson

**Participants:**

- 8:00 Kevin Thompson and Thomas Motsinger—When the Going Gets Weird, the Weird Turn Pro: The Navajo-Gallup Water Supply Project  
8:15 Cory Breternitz—A Summary of Data Recovery Investigations in the Vicinity of Tolakai, Navajo-Gallup Water Supply Project, Northwest New Mexico  
8:30 Shawn Fehrenbach and Theodore Roberts—Realizing the Digital Revolution: A Comprehensive Digital Approach to Data Collection, Management, and Reporting on the Navajo-Gallup Water Supply Project  
8:45 Jason Chuipka—The Historicity of Data Collection: An Overview of Going Digital in the Northern Southwest  
9:00 Dennis Gilpin—Chronologies and Scales in Reconstructing the Formation of Navajo Sacred Landscapes  
9:15 Ronald Maldonado—Navajo Cultural Affiliation Reach by Reach: A BOR Project in the San Juan Basin  
9:30 Kirk Anderson—Landscape Dynamics Near Tolakai, New Mexico  
9:45 James Potter—Discussant  
10:00 Elizabeth Perry—Discussant  
10:15 Q&A

- [124] SYMPOSIUM ■ NEW RESEARCH OF AMERICAN INDIAN TOBACCO SMOKING PIPES AND PLANTS**  
**Room:** 303A (HCC)  
**Time:** 8:00 AM - 10:30 AM  
**Chair:** Elizabeth Bollwerk

**Participants:**

- 8:00 Dennis Blanton—Evolution of a Ritual: Pipes and Smoking in Etowah's Realm  
8:15 John Hedden—Central Plains Tradition Smoking Pipes in the Glenwood Locality of Iowa: within a Landscape of the Rising and Falling Sky  
8:30 John Creese—Making Pipes and Social Persons at the Keffer Site: A Life History Approach  
8:45 Sarah Wisseman, Thomas Emerson, Randall Hughes, and Kenneth Farnsworth—Pipestone Utilization in the Midcontinent  
9:00 Michael Ligman—"Put That in Your Pipe and Smoke It:" An exploratory pXRF Study of Native American Ceramic Tobacco Pipes at Jamestown, Virginia  
9:15 Alison Hadley—An Experiment in the Replication of Pipe Tools  
9:30 Shannon Tushingham, Jelmer Eerkens, Dominique Ardura, Mine Palazoglu, and Oliver Fiehn—Chemical Evidence for Hunter-Gatherer Tobacco Smoking in

- Ancient Western North America  
9:45 Stephen Carmody, Maria A. Caffrey, Sally P. Horn, and Belinda M. Lady—  
Palynological and Chemical Analyses of Pipe Residues as Evidence for  
Prehistoric Tobacco Use in the Southeastern U.S.  
10:00 Q&A  
10:15 Elizabeth Bollwerk—Discussant

**[125] GENERAL SESSION ■ ADVANCING ARCHAEOLOGY IN THE FIELD**

**Room:** 301A (HCC)  
**Time:** 8:00 AM - 10:30 AM  
**Chair:** Nathan Goodale

**Participants:**

- 8:00 Amanda Hernandez—It's the Pits! Optimal Field Methods for the Location and  
Excavation of Prehistoric Roasting Pits in the Jornada Mogollon  
8:15 Ellen Gerth—The Tortugas Shipwreck Project, Florida Keys: Pioneering Deep-  
Sea Technology and Its Contribution to Historical Archaeology  
8:30 Kira Kaufmann, William F. Kean, Michael Baierlipp, and David Hart—  
Interpretation of Effigy Mound Construction in the Midwest: 10 Years of Using of  
Geophysical Techniques for Archaeological Applications  
8:45 T. Manahan, Mandy Munro-Stasiuk, Corrine Coakley, and Derek Salustro—  
Evaluating Ground Penetrating Radar Identification of Architectural and  
Archaeological Features in a Karst Environment: A Case Study from Xuenkal,  
Yucatan  
9:00 David Brown, Mark Willis, and Chester Walker—Mapping the End of Empire:  
Low Level Aerial Reconnaissance in Western Cotopaxi Province, Ecuador  
9:15 Kaitlin Brown, Jacques Connan, René Vellanoweth, Nicholas Poister, and Amira  
Ainis—Analyses of Asphaltic Mixtures from the California Channel Islands:  
Evidence for Indigenous Sources of Bitumen in Relation to Submarine Seeps  
9:30 Debra Green and Kimball Banks—Over the Mound and into the Pit: Mitigation at  
the Larson Site (32BL9), North Dakota  
9:45 Graeme Earl, Graeme Earl, Angeliki Chrysanthi, and Tom Frankland—Blending  
Digital and Physical Fieldwork Research: The RCUK PATINA Project  
10:00 Nathan Goodale, David Bailey, Alissa Nauman, and Ted Fondak—There's an  
App for That: Mobile Devices in Archaeological Field Research  
10:15 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

**[126] GENERAL SESSION ■ NEW DIRECTIONS IN MESOAMERICAN ARCHAEOLOGY**

**Room:** 306A (HCC)  
**Time:** 8:00 AM - 10:30 AM  
**Chair:** Laura O'Rourke

**Participants:**

- 8:00 Ronald Castanzo—The Identification of Ceramic Production and Exchange in  
Archaeological Contexts: A Multifaceted Approach  
8:15 Angela Mcardle—An Iconographic Approach to Lithic Analysis in Mesoamerica  
8:30 Santiago Garcia—The Venus Star and the Avian Serpent: Remnants of a  
Regional Cult in Early Formative Mesoamerica  
8:45 Hirokazu Kotegawa—Viajes de los olmecas: una perspectiva de los estudios de  
los monumentos olmecas  
9:00 Lourdes Hernandez Jimenez and Olaf Jaime-Riveron—An Olmec Sacred Place:  
Materiality and Mural Paintings in the Upper Uxpanapa River System

- 9:15 Laura O'Rourke—An Olmec-style Cylinder Seal from Yarumela  
9:30 Rosemary Lieske—Izapa Group B: Revisiting the NWAF Excavations of the 1960s  
9:45 Alicia Hernandez and Gerardo Gutierrez—The Archaeology of Fortified Hilltops along the Aztec-Tlapanec Frontier of the 15th Century in Eastern Guerrero  
10:00 Timothy Guyah—The Spatial Distribution of the Mexica Knife in Postclassic Mesoamerica  
10:15 John Carpenter and Guadalupe Sanchez Miranda—Proyecto arqueologico norte de Sinaloa: Archeological Investigations in Northern Sinaloa/Southern Sonora 2004-2011

**[127] SYMPOSIUM ■ ARCHAEOLOGY OF THE UNDERREPRESENTED**

**Room:** 306B (HCC)  
**Time:** 8:00 AM - 10:45 AM  
**Chair:** Kristen Barnett

**Participants:**

- 8:00 Pei-Lin Yu—Children as Formational Agents in the Archaeological Record: Some Ethnoarchaeological Observations  
8:15 Traci Ardren—Social Imaginaries as a Means to Understand Ancient Childhood  
8:30 Kathryn Kamp and April Kamp-Whittaker—Invisibility Is in the Eye of the Beholder: Techniques and Perspectives for the Archaeology of Children  
8:45 Sharon Moses—Slavery, Syncretized Rituals, and Repurposed Objects: Native American and African Slaves in South Carolina Lowcountry  
9:00 Roberta Gordaoff—Intrasite Spatial Analysis of an Upland House on Adak Island, the Aleutian Islands, Alaska  
9:15 Sara Gonzalez—Families, Households, and Community: A Fort Ross Narrative  
9:30 Alissa Nauman and Nathan Goodale—Exploring Expressions of Gendered Identity in Household and Community Organization at the Slocan Narrows Pithouse Village, Upper Columbia River Drainage, British Columbia, Canada  
9:45 Kristen Barnett—Beyond Ecology: A Look at Demographic Change through Women's Reproductive Choices  
10:00 Elyse Anderson—The Timucuan Division of Animistic Practice  
10:15 David M. Hyde—Rural Power and Gender: The View from Medicinal Trail, A Late Preclassic Maya Hinterland Community in Northwestern Belize  
10:30 David M. Hyde—Discussant

**[128] GENERAL SESSION ■ ARCHAEOLOGY OF THE GREAT BASIN AND THE BASIN PLATEAU REGION**

**Room:** 318B (HCC)  
**Time:** 8:00 AM - 10:45 AM  
**Chair:** Donald Pattee

**Participants:**

- 8:00 Donald Pattee and Geoff Smith —A Changing Valley: Diachronic Shifts in Mobility and Toolstone Procurement in Oregon's Warner Valley  
8:15 Sara Davis—Prehistoric Habitation Features in South-Central Oregon  
8:30 Mark Giambastiani—Right in Thomas' Backyard: Prehistoric Archaeology of the Northern Monitor Range, Central Nevada  
8:45 Ruth Jolie, Edward Jolie, Daniel Mullins, Jennifer Degraffenreid, and Nate Nelson—Loom Weaving in the Ancient Great Basin?  
9:00 Amy Nelson, Patrick O'Grady, and Mike Rondeau—A Survey of Clovis Technology in the Great Basin  
9:15 Bethany Mathews—Spatial Analysis of the Western Pluvial Lakes Tradition in

- the Southern Columbia Plateau and Northern Great Basin of North America  
9:30 John Dorwin—Kalispel Foraging Practices and Optimizing Foraging Theory  
9:45 A. Dudley Gardner and William Gardner—A Look at the Transition from the Formative Period to the Protohistoric Period in the Upper Colorado River Drainage Basin  
10:00 Robert Sappington and Laura Longstaff—Recent Investigations at the Kelly Forks Work Center Site, North Central Idaho: New Insights into 12,000 Years of Interaction between the Columbia Plateau and the Northwestern Plains  
10:15 Suzanne Villeneuve, Brian Hayden, and Desmond Peters Jr.—Prehistoric Sociopolitical Complexity on the Northwest Plateau  
10:30 Wendy Simmons Johnson—An Underground Store, the Skull Valley Goshute, and Red Ink

**[129] SYMPOSIUM ■ THE FAYUM AS AN AGRICULTURAL LANDSCAPE: CLIMATE CHANGE, NEOLITHIC ADOPTION, GRECO-ROMAN ADAPTATION**

**Room:** 303B (HCC)

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

**Chair:** Willeke Wendrich

**Participants:**

- 8:00 Annelies Koopman, Henk Kars, Sjoerd Kluiving, Simon Holdaway, and Willeke Wendrich—Late Quaternary Climate Change and Egypt's Earliest Farmers: Geoarchaeology in the Fayum Basin  
8:15 Marcus Thomson and Glen MacDonald—A Critical Review of Holocene Palaeohydrology and Palaeohydroclimatology of the Nile and Eastern Mediterranean  
8:30 Rebecca Phillips—Contextualizing Human Mid-Holocene Mobility Strategies in the Fayum, Egypt  
8:45 Simon Holdaway—Mid-Holocene Neolithic Landscape Archaeology of the Northern Fayum, Egypt  
9:00 Natasha Phillips—Assessing Variation in Temporal and Spatial Scales of Early to Mid-Holocene Human-Environment Interaction in Northeast Africa  
9:15 Josh Emmitt—Investigating Ceramics from the Neolithic Occupation of Kom W, Fayum, Egypt  
9:30 Sonali Gupta-Agarwal—Continuity or Change? Transmission of Pottery Skills in Egypt and India to Understand Archaeological Ceramics at Karanis, Egypt  
9:45 Angela Susak Pitzer—Glass Recycling in Roman Egypt: pXRF Analysis of Karanis Glass  
10:00 Bethany Simpson, Anne Austin, and Katie Simon—Analyzing Three Methods for Digital Preservation of Architectural Data at the Greco-Roman Site of Karanis  
10:15 Hans Barnard and Willeke Wendrich—The Problems and Possibilities of Preserving the Mud-Brick Structures of Kananis (Fayum, Egypt)  
10:30 Rachel Moy—Traveling the Fayum: Agricultural Landscape and Economy in the Greco-Roman Period  
10:45 Simon Holdaway—Discussant  
11:00 Q&A

**[130] GENERAL SESSION ■ INDIGENOUS SUBSISTENCE ECOLOGIES: METHODOLOGICAL FRAMEWORKS AND CASE STUDIES**

**Room:** 301B (HCC)

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

**Chair:** Jude Isabella

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**(HHV)=Hilton Hawaiian Village (HCC)=Hawaii Convention Center**  
**Friday Morning, April 5**

**Participants:**

- 8:00 Jude Isabella—The Reincarnation of Traditional Ecological Research: The Scientific Laboratory  
8:15 Jennifer Tobey—Traditional Knowledge, a Relic from the Past or a Tool for the Future?  
8:30 Celeste Giordano and Liam Frink—Women's Work in the Arctic: What Happens between "the Catch" and "the Meal"?  
8:45 Brian Dawkins—From the Desert to the Ocean: A Study of Cactus Spine Fishhooks on the Greater California bight  
9:00 Sean Desjardins—Investing in Igunaq: Sea-Mammal Caching and Food Security among Thule and Historic Inuit, Foxe Basin, Arctic Canada  
9:15 Larissa Smith—Interpreting the Resiliency of Tropical Foragers through 1500 Years of Culture Change  
9:30 Robert Sinensky—Chew on This: Risk Management and Resource Procurement Strategies at the Early Agricultural Village of Las Capas  
9:45 Mary Prasciunas, William Deaver, and Fred Huntington—Food or Fiber: The Archaeology of Agave Processing in Southern Arizona  
10:00 Scott Shirar, Loukas Barton, Jeff Rasic and James Jordan—2000 Years of Fishing Technology from the Central Alaska Peninsula  
10:15 Diane Hanson—Archaeological Survey Bias in Island Environments: Finding Four Needles in a Haystack  
10:30 Kelly Eldridge—Zooarchaeological Investigations of the Antiquity of Iñupiat Socioterritories on the Seward Peninsula  
10:45 Alan Osborn—Poisoning Proboscideans: An Alternative Strategy for Hunting Mastodons and Mammoths during the Younger Dryas  
11:00 Roger Colten and Brian Worthington—Archaic Era Subsistence at the Las Obas and Vega del Palmar sites, Cuba

**[131]**

**SYMPORIUM ■ VOLCANIC ACTIVITY AND HUMAN ECOLOGY – 34 YEARS ONWARD**

**Room:** 309 (HCC)  
**Time:** 8:00 AM - 11:30 AM  
**Chair:** Felix Riede

**Participants:**

- 8:00 Felix Riede—Discussant  
8:15 Stanley Ambrose—Consequences of the Toba Super-Eruption for Human Adaptation and Evolution  
8:30 Michael Petraglia—The Toba Super-Eruption: Current State of Knowledge  
8:45 Felix Riede—The Laacher See Eruption (12920 B.P.) and Societal Change in Late Glacial Northern Europe  
9:00 Gerald Oetelaar and Alwynne Beaudoin—The Days of the Dry Snow: Short- and Long-Term Cultural Adaptations to the Mazama Ash Fall on the Northern Plains  
9:15 Alwynne Beaudoin and Gerald Oetelaar—Landscape Recovery and Resource Availability Following the Mazama Ashfall on the Northern Great Plains  
9:30 Kevan Edinborough—Discussant  
9:45 Dustin Keeler, Greg Korosec, Ezra Zubrow, Irina Ponkratova, and Vera Ponomareva—Mid- to Late-Holocene Coastal Adaptations in a Volcanically Active Area on the Northeast Coast of Kamchatka, Russia  
10:00 Mark Elson, Michael Ort, and Kirk Anderson—A Tale of Two Volcanoes: Human Response to Eruptions in the Southwest United States  
10:15 Richard VanderHoek—The Aniakchak Hypothesis: Considering the Ecological and Cultural Effects of Distal Volcanic Products on the Ancient North American Arctic and Subarctic  
10:30 Claus Siebe—Late Pleistocene/Holocene Plinian Eruptions of Popocatépetl

- Volcano (Central Mexico) and Their Catastrophic Impact on the Environment and Human Populations  
10:45 Robin Torrence—Coping with Catastrophic Environments: Creative Responses to Volcanic Disasters in Papua New Guinea  
11:00 Payson Sheets—Discussant  
11:15 Q&A

**[132] SYMPOSIUM ■ WARI AND THE MIDDLE HORIZON IN THE ANDES: PAPERS IN HONOR OF BILL ISBELL**  
**Room:** 316C (HCC)  
**Time:** 8:00 AM - 11:30 AM  
**Chairs:** Katharina Schreiber and Tamara Bray

**Participants:**

- 8:00 Katharina Schreiber—Wari and the Middle Horizon: Research and Changing Paradigms over the Past Four Decades  
8:15 Tamara Bray and Anita Cook—Commensal Politics in the Andes: A Comparison of Wari and Inca State Ceramic Assemblages  
8:30 Patricia Knobloch—Envisioning an Empire: From Ecstatic Huarpa Shamans to Divine Wari Overlords  
8:45 Emily Stovel—Data Counterpoint: Comparing Chemical Profiles of Tiwanaku Vessels  
9:00 Jo Burkholder—Oval Structures and Wari D-shaped Temples: What Is the Relationship?  
9:15 Tiffiny Tung—The Wari Empire: What We Have Learned from Bioarchaeological Analysis of Wari Skeletons  
9:30 William Whitehead—Paleoethnobotany in the Middle Horizon – A Review and Look Forward  
9:45 Dennis Ogburn—New Perspectives on Prehispanic Empires in the Andes  
10:00 Justin Jennings—Wari: A Failed Empire?  
10:15 Alexei Vranich—Empheral Monumentality  
10:30 Sergio Chavez—Sacred Continuities, from Yaya-Mama to Tiahuanaco on the Copacabana Peninsula  
10:45 Krzysztof Makowski—Staff Winged Gods and Noble Ancestors of the Wari Empire's Lords  
11:00 Gary Urton—What Are the Traces of “Administration” in Wari Material Remains?  
11:15 William Isbell—Discussant

**[133] SYMPOSIUM ■ HOUSEHOLDS, MARKETS, WORLD-SYSTEMS, AND POLITICAL ECONOMY: ALTERNATIVE PATHWAYS TO COMPLEXITY**  
**Room:** 317B (HCC)  
**Time:** 8:00 AM - 12:00 PM  
**Chairs:** Lane Fargher and Verenice Heredia Espinoza

**Participants:**

- 8:00 Verenice Heredia Espinoza—The Dynamics of the Corporate-Network Continuum in the Central Valleys of Jalisco during the Postclassic: Comparing Different Scales of Analysis  
8:15 Christopher Beekman—Built Space as Political Fields: Community vs. Lineage Strategies in the Tequila Valleys  
8:30 Arthur Joyce and Sarah Barber—Alternative Pathways to Power in Formative Oaxaca  
8:45 Stephen Kowalewski—It Was the Economy, Stupid  
9:00 Lisa LeCount—At the Intersections of Powers: Classic Maya Markets and

- 9:15 Commodities  
Frances Berdan—Commodity Complexes in the Late Postclassic Mesoamerican World System
- 9:30 Barbara Stark—Economic Growth in Mesoamerica
- 9:45 Tina Thurston—Rulership, Subjecthood, and Power: Courses of Distributed Governance in Early Northern Europe
- 10:00 Peter Robertshaw—Collective Action Theory and Those Despotic Bakitara
- 10:15 Rita Wright—Power Systems in the Indus and Near Eastern States: Testing the Limits of Corporate Political Strategies
- 10:30 Deborah Winslow—We Shape Our Dwellings, and Afterwards Our Dwellings Shape Us
- 10:45 Katherine Kanne and Katherine Kanne—Political Ponies: Human-Equine Entanglements in Political Economies, Polity Formation, and Social Inequalities
- 11:00 Gary Feinman and Linda Nicholas—Framing the Rise and Variability of Past Complex Societies
- 11:15 Lane Fargher—Bureaucratization in Pre-Modern States: An Historical and Cross-Cultural Study of Strategies and Philosophies
- 11:30 Timothy Earle—Corporate and Network Strategies, Staple and Wealth Finance, and Primary and Secondary Chiefdom-States
- 11:45 Richard Blanton—Discussant

**[134] SYMPOSIUM ■ THE ARCHAEOLOGY OF NON-LITERAL ISLANDS****Room:** 316A (HCC)**Time:** 8:30 AM - 11:15 AM**Chairs:** Darryl Wilkinson and Dianne Scullin**Participants:**

- 8:30 Heather Atherton—Desert Islands: Frontiers of Isolation in Colonial New Mexico
- 8:45 John Molenda—Overseas Chinese Islands in the American West
- 9:00 Ellen Morris—Oases as Desert Islands, as Devil's Islands, and as Isles of the Blessed
- 9:15 Petar Cvijovic—Islands of Splendor and Decay: Jewish Ruins in South-Eastern Poland
- 9:30 Elizabeth Angell—Risk Archipelagos: Islands of Disaster in Urban Turkey
- 9:45 Easton Anspach—Bounded Earth: A Look at Inka Wak'as
- 10:00 Dianne Scullin—Islands of Sound in an Ocean of Silence: Acoustics of Moche Performance Spaces
- 10:15 Darryl Wilkinson—The Estate Archipelago of Tawantinsuyu
- 10:30 Amara Magloughlin—"Islands of Security," Islands of Terror: The Walling in of Palestine
- 10:45 Q&A
- 11:00 Zoë Crossland—Discussant

**[135] SYMPOSIUM ■ FORENSIC ARCHAEOLOGY: A MULTIDISCIPLINARY APPROACH****Room:** 324 (HCC)**Time:** 8:30 AM - 11:45 AM**Chair:** Kimberlee Moran**Participants:**

- 8:30 Martin McAllister, David Griffel, James Moriarty, and Larry Murphy—Archaeological Crime Scene Investigation: Training the Investigative Team
- 8:45 Robert Janaway—Quality Assurance in UK Forensic Archaeology
- 9:00 Mike Groen and Roosje de Leeuw—Forensic Archaeology in the Netherlands
- 9:15 Richard Gould—Looking Back, 10 Years after "the Station" Nightclub Fire, West

	Warwick, RI
9:30	James Adovasio—Forensic Sedimentology: Retrospect 2013
9:45	David Griffel, James Moriarty IV, and Martin McAllister—The Chief's Mound Case: Forensic Archaeology versus Mississippi Site Looters
10:00	Jules Angel—What the Water Gave Me: A Case Study of Bone Recovery from a Fluvial Environment in Clark County, Ohio
10:15	Nicholas Marquez-Grant—Forensic Case Studies from the UK: Archaeological Contributions to the Search, Location, Excavation, and Recording of Clandestine Graves
10:30	Tate Jones, H. Tate Jones and Martin E. McAllister—Specifications, Workflows, and Best Practices for Using 3D Laser Scanners for Forensic Documentation of Archaeological Site Damage
10:45	Pier Matteo Barone, Carlotta Ferrara, Elena Pettinelli, and Adam Fazzari—Forensic Archaeology and Forensic Geophysics: A Very Useful Joint Effort
11:00	Larry Murphy and Linda Scott Cummings—Analytical Techniques for Organic Remains in Submerged Sites: Examples and Potential
11:15	Randi Scott—The Human Side of Forensic Archaeology
11:30	Q&A

**[136] SYMPOSIUM ■ NOT EVERY MEAL IS A BANQUET: ON THE MULTIVOCALITY OF FOOD**

**Room:** 323C (HCC)

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

**Chairs:** Claudine Vallieres and Guy Duke

**Participants:**

8:30	Guy Duke—Quotidian Meals and Commensal Rites: Late Moche Culinary Practice in the Jequetepeque Valley, Peru
8:45	Claudine Vallieres—Chez Mollo Kontu: Eating and Hosting in Domestic Contexts at the Ancient Urban Center of Tiwanaku, Bolivia
9:00	Enrique Rodriguez and Wesley Stoner—Cooking for a Change in Colonial Mexico
9:15	Sarah Walshaw—Adopting Rice: Cultivating an Asian Crop in an African Way on Pemba Island, Tanzania, A.D. 800-1500
9:30	Ryan Kennedy—From Agave to Winter Melon: A Paleoethnobotanical Study of the Market Street Chinatown
9:45	Gypsy Price and John Krigbaum—From Fields to Feast: Procurement and Consumption at Mycenae, Greece
10:00	Emma Yasui—Flakes as Tools: Examining Jomon Period Subsistence and Lithic Technology in Hokkaido, Japan
10:15	Geoffrey McCafferty and Sharisse McCafferty—Sacasa Striated Shoe-Pots of Pacific Nicaragua: Function and Meaning
10:30	Go Matsumoto—Eating and Drinking with the Dead: Commensal Hospitality for Integrating People in the Multiethnic Society during the Middle Sicán Period (ca. 900-1100 C.E.)
10:45	Steve Kosiba—A Recipe for Destruction: Food Offerings, Termination Rituals, and the Constitution of Authority during Inka State Formation (Cusco, Peru)
11:00	Peter Whitridge—Animals and the Sensory Envelope of Inuit Lives
11:15	Rosemary Joyce—Discussant
11:30	Q&A

**[137] GENERAL SESSION ■ ARTIC AND NORTHWEST COAST ARCHAEOLOGY**

**Room:** 311 (HCC)

**Time:** 8:15 AM - 12:00 AM

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**(HHV)=Hilton Hawaiian Village (HCC)=Hawaii Convention Center**  
**Friday Morning, April 5**

**Chair:** Brian O'Neill

**Participants:**

- 8:15 Tiffany Curtis—Dendrochronology on the Kenai Peninsula, Alaska: Dating Historic Structures Using Tree-ring Analysis  
8:30 Lucille Harris—Hierarchy as an Organizational Structure in the Complex Hunter-Gatherer Communities of the Mid-Fraser Region, South-Central British Columbia  
8:45 Jake Anders—Model Behavior: A study in Upland Aleut/Unangan Archaeological Site Modeling  
9:00 Jesse Morin—Near-Infrared (NIR) Spectrometry of Stone Celts Reveals Interaction Spheres in Pre-Contact British Columbia, Canada  
9:15 Anne Jensen—Chronological Hygiene (It's So Hard to Find It): A View from North Alaska  
9:30 Aron Crowell and Wayne Howell—The "First War": Time, Oral Tradition, and Archaeology at a Tlingit Fort in Southeast Alaska  
9:45 Genevieve Hill—The Problem with Northwest Coast Wet Sites: An Examination of Emic and Etic Approaches to Wet Site and Wetland Archaeology  
10:00 Risa Carlson—New Discoveries and Updates on the Early Holocene Predictive Model Sites in Southern Southeast Alaska  
10:15 Trevor Orchard, Daryl Fedje, Jenny Cohen, and Quentin Mackie—Persistent Places on Dynamic Landscapes: Sea Levels and a Pan-Holocene Human Occupation Site in Southern Haida Gwaii, BC  
10:30 Quentin Mackie, Jenny Cohen, and Daryl Fedje—Kilgii Gwaay: New Data from a 10,700-Year-Old Water-Saturated Site on the Northwest Coast of North America  
10:45 Farid Rahemtulla—Modeling Coastal versus Terrestrial Forager Technological Organization in British Columbia  
11:00 Brian O'Neill—In the Shadow of Mt. Mazama: Early Holocene Record in the Upper Umpqua River Basin, Southwest Oregon  
11:15 Stéphanie Steelandt, Dominique Marguerie, Najat Bhiry, and Pierre Desrosiers—Identification and Analysis of Charcoals and Woods Found in Paleo and Neo-Eskimos Archaeological Sites in the West Coast of Nunavik (Low-Arctic of Quebec, Canada)  
11:30 Fran Seager-Boss, David Yesner, and Daniel Stone—Knik Townsite on the Iditarod Trail  
11:45 Robert King—The Iditarod Trail: 100 Years Old and Counting!

**[138] SYMPOSIUM ■ ISOTOPE ECOLOGY AND THE RING OF FIRE: BIOARCHAEOLOGY IN THE PACIFIC**

**Room:** 317A (HCC)

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

**Chairs:** Melanie Beasley and Andrew Somerville

**Participants:**

- 8:45 Brian Popp—Geochemical and Climate Modeling Evidence for Holocene Aridification in Hawaii  
9:00 Jillian Swift—Subsistence and Landscape Transformation on Mangareva through the Lens of *Rattus exulans* Stable Isotope Data  
9:15 Phillip Johnson, Eric Bartelink, Olaf Nehlich, Benjamin Fuller, and Michael Richards—Coastal Settlement Disruption in American Samoa during the Little Climatic Optimum-Little Ice Age: Evidence from Stable Isotopes and Accelerator Mass Spectrometry  
9:30 Brianne Phaff and Mike Richards—Spatial Variation of Biologically Available Strontium Isotopes in Fiji: Implications for Prehistoric Fijian Mobility  
9:45 Rebecca Kinaston, Hallie Buckley, Stuart Bedford, and Stuart Hawkins—

- Palaeodiet, Horticultural Transitions and Animal Husbandry during Lapita and Post-Lapita Periods in Vanuatu (3000-2300 B.P.)  
10:00 Andrew Somerville, Andrew Somerville, Margaret Schoeninger, Melanie Martin, and Phillip Walker—Ethnobiarchaeology in the Pacific: Stable Isotope Analysis and Dental Health of the Mulia Dani, Papua, Indonesia  
10:15 Nicolette Parr—Diachronic Patterns of Health and Disease in the Naton Beach Burial Complex from Tumon Bay, Guam  
10:30 Minoru Yoneda, Yuichi Naito, Takashi Gakuhari, Chiaki Katagiri, and Naomi Doi—Island Adaption on the Rykyu Islands from Pleistocene to Early Holocene  
10:45 Kate Britton, Rick Knecht, Ellen McManus, and Mike Richards—Maritime Adaptations and Dietary Variation in Prehistoric Western Alaska: Stable Isotope Analysis of Permafrost-Preserved Human Hair  
11:00 Melanie Beasley—Maritime Adaptation in Baja California: Evidence of Oceanic versus Coastal Foraging in the Gulf of California  
11:15 Corina Kellner, Kevin Vaughn, Verity Whalen, and Hendrik VanGijseghem—Borderland Migration Patterns during a Time of Environmental and Social Challenges at the Peruvian Nasca Site of Cocahuischo (A.D. 550-750)  
11:30 Margaret Schoeninger—Discussant

**[139] GENERAL SESSION ■ CRAFT PRODUCTION, TECHNOLOGY, AND IDENTITY IN THE AMERICAN SOUTHWEST**  
**Room:** 325 (HCC)  
**Time:** 9:00 AM - 11:15 AM  
**Chair:** Jill Neitzel

**Participants:**

- 9:00 Edward Jolie—Learning, Weaving, and Identity in the Chaco Regional System  
9:15 Mary Ownby and Deborah Huntley—Production and Exchange of Polychrome Pottery in the Upper Gila and Mimbres Valleys: Results from Neutron Activation and Petrographic Analyses  
9:30 Brunella Santarelli, Christina Bisulca, and Nancy Odegaard—Investigation of Basketmaker III Lead Glaze Technology in the Southwest  
9:45 Scott Ure—Parowan Valley Potters: Examining Technological Style in Fremont Snake Valley Corrugated Pottery Produced in the Parowan Valley, Utah  
10:00 Kevin Brown—The Design and Visibility of Navajo Culture: The Material Expression of Navajo Ideology, Functionality, and Identity  
10:15 Erin Gearty—We Are What We Weave: Identity Expressed through Basketmaker II Textiles and Sandals  
10:30 Reese Cook—Analyses and Implications of Prehistoric Southwestern Tradeware Pottery from the Mojave Desert and Coastal Areas of California  
10:45 Benjamin Bellorado, Laurie Webster, and Thomas Windes—Footsteps of Identity: The Context of Pueblo III Sandal Imagery in the Northern Southwest  
11:00 Jill Neitzel—Hair Styles and Identity in the U.S. Southwest

**[140] SYMPOSIUM ■ PATTERNS OF POSTCLASSIC MESOAMERICAN COMMUNITIES**  
**Room:** 315 (HCC)  
**Time:** 9:00 AM - 11:45 AM  
**Chair:** Yuko Shiratori

**Participants:**

- 9:00 Lisa Overholtzer, Jaime Mata-Míguez, Enrique Rodríguez-Alegría, and Deborah Bolnick—Weaving Tlacamecayotl Temporalities: The “Rope of People,” Household Histories, and Time in Archaeology  
9:15 Jamie Forde—The Pueblo Viejo of San Miguel Achiutla, Oaxaca, Mexico: An

- Abridged Life History  
9:30 Marc Levine, Leslie Cecil, Lane Fargher, and Jamie Forde—Mixteca-Puebla Polychromes, Marketing, and Household Ritual at Tututepec: Integrating INAA and Petrographic Techniques
- 9:45 Janine Gasco—Settlement and Economy in a Postclassic Rural Community in the Soconusco Region, Chiapas, Mexico
- 10:00 Elizabeth Paris—Integration and Durability in Postclassic Communities in the Jovel Valley, Chiapas, Mexico
- 10:15 Thomas Babcock—Utatlán: The Postclassic Community of the K'iche' Maya
- 10:30 Raquel Macario—The Conceptualization of Space at the K'iche' Capital, Q'umarkaj, Guatemala
- 10:45 Caleb Kestle, Joel Palka, and Rebecca Deeb—Which Suburb Is This? Heterogeneity in Postclassic Settlements at Lake Mensabak, Chiapas, Mexico
- 11:00 Yuko Shiratori and Timothy Pugh—Community Patterns of the Late Postclassic Itza Maya at Tayasal, Guatemala
- 11:15 Jerald Ek—Reconsidering the Mesoamerican Urban Tradition: Maya Cities from the Classic to Postclassic
- 11:30 Patricia Urban and Edward Schortman—Politics by Design: Performing Power through the Manipulation of Ceramic Designs in the Naco Valley, Northwestern Honduras

**[141] SYMPOSIUM ■ WHO ARE THE ANCESTORS? REDEFINING THE CULTURAL SEQUENCE OF HOKKAIDO ISLAND, JAPAN**

**Room:** 323A (HCC)

**Time:** 9:15 AM - 10:45 AM

**Chair:** Carol Ellick

**Participants:**

- 9:15 Yu Hirasawa—Difference and Uniqueness of Hokkaido Prehistory: Ethno-Historical Development and Relationship among Ainu and Past Prehistoric Cultures
- 9:30 Ren Iwanami—Chashikotsu B Site: Pursuit of the Origin of Bear Ceremony
- 9:45 Mayumi Okada—The Current Situation of Archaeological Heritage and Tourism in the World Natural Heritage Shiretoko
- 10:00 Joe Watkins—Spanning the Oceans: Indigenous Archaeology and Its Role in Indigenous Heritage Issues
- 10:15 Hirofumi Kato—Discussant
- 10:30 Takao Sato—Discussant

**[142] SYMPOSIUM ■ QUARRIES AND EARLY MINES: SETTLEMENT CONTEXT AND TRANSPORTATION NETWORK RELATIONSHIPS**

*(Sponsored by The Prehistoric Quarries and Early Mines Interest Group)*

**Room:** 323B (HCC)

**Time:** 9:30 AM - 10:30 AM

**Chairs:** Juliet Morrow and Peter Mills

**Participants:**

- 9:30 Adrian Burke—Discussant
- 9:45 Lynn Fisher, Susan Harris, Jehanne Affolter, Corina Knipper, and Rainer Schreg—Linking Quarry and Settlement on the Swabian Alb (Southern Germany)
- 10:00 Mary Beth Trubitt, Anne S. Dowd, and Meeks Etchieson—Multiscalar Analysis of Quarries
- 10:15 Sarah Stuckey and Juliet Morrow—Sourcing Burlington Formation Chert:

- [143] Implications for Long-Distance Procurement and Exchange  
**FORUM ■ CREATING CONTEXT IN THE CLASSROOM**  
**Room:** 305A (HCC)  
**Time:** 10:00 AM - 12:00 PM  
**Moderator:** Paula Kay Lazarus

**Participants:**

Paula Kay Lazarus—Discussant  
Saundra Schwartz—Discussant  
Kanani Kawika—Discussant

- [144] **SYMPORIUM ■ POPULATION MOBILITY IN THE HINTERLAND OF MAYA CITIES**  
**Room:** 312 (HCC)  
**Time:** 10:00 AM - 12:00 PM  
**Chair:** Charlotte Arnauld

**Participants:**

- 10:00 Charlotte Arnauld, Eva Lemonnier, Mélanie Forné, Julien Sion, and Didier Galop—Early to Late Classic Population Mobility in La Joyanca, Northwestern Petén, Guatemala  
10:15 Jason Yaeger—Household Archaeology and Population Mobility in the Mopan River Valley, Belize  
10:30 Carolyn Freiwald—Urban and Rural Population Movement Patterns during the Late and Terminal Classic in the Belize River Valley  
10:45 Nan Gonlin and Kristin Landau—Maya on the Move: Population Mobility during the Classic Period in the Copán Valley, Honduras  
11:00 Anne Pyburn—Location, Location, Location: Population Movement and Maya Cities  
11:15 Nicholas Dunning, Eric Weaver, Michael Smyth, and David Ortegón—Water Control and Ancient Maya Population Dynamics in the Puuc Hills  
11:30 Takeshi Inomata—Discussant  
11:45 Robert Drennan—Discussant

- [145] **SYMPORIUM ■ LATE MIDDLE THROUGH TERMINAL FORMATIVE TRANSFORMATIONS IN OAXACA: URBANISM, PRODUCTION AND IMAGERY**  
**Room:** 316B (HCC)  
**Time:** 10:30 AM - 12:00 PM  
**Chairs:** Jeffrey Blomster, Robert Markens and Cira Martinez Lopez

**Participants:**

- 10:30 Robert Markens—Ceramic Imagery and Political Power at Early Monte Albán, Valley of Oaxaca  
10:45 Cira Martinez Lopez and Marcus Winter—El ajuar cerámico de la fase Danibaan y los primeros siglos de urbanismo en Oaxaca  
11:00 Jeffrey Blomster—Urbanism and Production in the Mixteca Alta: The Yucuita Phase at Etlatongo, Oaxaca, Mexico  
11:15 Victor Zapien Lopez, Alma Montiel Ángeles, and Marcus Winter—La cerámica de las fases Bicunisa, Goma y Kuak y los orígenes del urbanismo en el Istmo Oaxaqueño  
11:30 Jeffrey Brzezinski, Arthur Joyce, Sarah Barber, and Carlo Lucido—Political Centralization and Ceramic Iconography in the Lower Rio Verde Valley  
11:45 Carlo Lucido, Sarah Barber, and Arthur Joyce—Pottery, Feasting, and Urbanism in the Lower Rio Verde Valley, Oaxaca

**[146] SYMPOSIUM ■ ANCIENT GLOBALIZATIONS AND “PEOPLE WITHOUT HISTORY”****Room:** 318A (HCC)**Time:** 10:30 AM - 12:00 PM**Chairs:** Michael Frachetti and Nicole Boivin**Participants:**

- 10:30 Anne Porter—Pastoralism and the Proliferation of the Polity  
10:45 Rowan Flad—Prehistoric Globalizing Processes in the Tao River Valley, Gansu, China  
11:00 Michael Frachetti—The Inner Workings of the Inner Asian Mountain Corridor and the Archaeology of Highland “Nomads”  
11:15 Kathleen Morrison—The Hidden Foundations of European Colonial Expansion in South Asia: Swidden, Foraging, and Their Misrecognitions  
11:30 Nicole Boivin—Mobile Societies and Archaic Globalization in the Early Indian Ocean  
11:45 Ian Lilley—Subsistence, Middlemen Traders, and Precolonial Globalization in Melanesia

**[147] POSTER SESSION ■ METHODOLOGICAL ADVANCES IN MATERIAL CULTURE STUDIES****Room:** Kamehameha Exhibit Hall III Foyer (HCC)**Time:** 10:30 AM - 12:30 PM**Participants:**

- 147-a Olivier Weller, Alfons Figuls, and Fidel Grandia—La primera explotación minera de sal gema en el mundo: la “Vall Salina” de Cardona (Cataluña, España)  
147-b Dana Drake Rosenstein and James K. Feathers—Refining Radiocarbon and Historic Chronologies Using Luminescence Dating: A Case Study from Melora Hill, South Africa  
147-c Christopher Shelton—Parameters for Lithic Raw Material Choice: Modeling the Middle Stone Age on the Southern Coast of South Africa  
147-d August Costa, Jeff Illingworth, P. Ajithprasad, K. Bhan, and K. Krishnan—New Perishable Traces from Shikarpur, a Classical Harappan Site in Kutch, Western India  
147-e Akira Iwase and Yuichi Nakazawa—Use-Wear Analysis of Portable Blade Tools: Organization of Technology among Upper Paleolithic Foragers in Hokkaido, Northern Japan  
147-f Patrick Lubinski, Karisa Terry, and Patrick McCutcheon—Are They Real? Distinguishing Flakes from Geofacts at the Wenatchee Mammoth Site in Washington State  
147-g Cara Tremain and Geoffrey McCafferty—Carving Traditions in Central America: Analysis of Pre-Columbian Jade and Greenstone Artifacts  
147-h Neil Hauser, James Feathers, and David Sanderson—Dating Exposed Surfaces Using Penetration of OSL Bleaching  
147-i Elisabeth Culley—An Experimental Investigation: The Effects of Recovery Methods on Use Wear  
147-j Elizabeth McCarthy, Richard Kennedy, Jason Christy, and Alisa Walton—Stones and Bones: A Revisit of the Differentiation of Chert and Obsidian Made Cut Marks

**[148] POSTER SESSION ■ LITHIC TECHNOLOGY AND ANALYSIS****Room:** Kamehameha Exhibit Hall III Foyer (HCC)**Time:** 10:30 AM - 12:30 PM**Participants:**

- 148-a Bryan Dull—Intra-Site Debitage Patterns and Trajectories at the Collier Lodge

- 148-b Site (12 PR 36), Porter County, Indiana  
Christopher Noll and John Kannady—A Geospatial Model of the Relationship between Chippable Stone Quarries and Workshop Locations in the Northwestern United States
- 148-c Heather Hansen and Patrick McCutcheon—Evaluating Lithic Technology and Function over the Last 5,000 Years at the Sunrise Ridge Borrow Pit Site, Mount Rainier, Washington
- 148-d Mark Estes, Geoffrey Cunnar, Jay L. Johnson, and Edward J. Stoner—A Prehistoric Knapping Station from the Fire Creek Archaeological District, Lander County, Nevada
- 148-e Jacob Pollock, Ashley Grimes, and Lisa Benson—Exploring Lithic Assemblages in the Uinta-Wasatch-Cache National Forest
- 148-f Kathryn Harris and Stefani A. Crabtree—Stop, Rock, and Drop: A Neutral Model of Lithic Stone Procurement in Southern Idaho
- 148-g Lukas Trout—Analysis of an Alpine Lithic Assemblage; Flaked and Ground Stone in Wyoming's High Rise Village
- 148-h Matthew Douglass and Sam Lin—Local Lithic Source Utilization Patterns in the Oglala National Grasslands, Northwest Nebraska
- 148-i Ismael Sanchez, Guadalupe Sanchez, and Michael Brack—Paleoindian Lithic Industry of Fin del Mundo Site, Sonora, Mexico
- 148-j John Wagner—Teuchitlán: Changing Lithic Technology Strategies through a West Mexico Diaspora
- 148-k Louis Fortin and Susan DeFrance—Maritime Adaptations and a Paleo-Indian Lithic Assemblage at Quebrada Tacahuay
- 148-l Juan Belardi, Gisela Cassiodoro, Rafael Goñi, Michael Glascock, and Alejandro Súnico—Limolites from Southern Patagonia (Argentina): Their Source and Archaeological Artifact Distributions
- 148-m William Willis—Geochemical Comparison of Lithic Assemblages from Different Geographic Localities in Virginia
- 148-n Alia Gurtov and Metin I. Eren—An Experimental Examination of Lower Paleolithic Toolstone Constraints at Olduvai Gorge, Tanzania: Quartz, Basalt, and Bipolar Reduction

**[149] POSTER SESSION ■ ADVANCING METHODS IN THE FIELD AND THE LAB**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 149-a Terrah Jones, Carly Evelyn Olenick, Lorena Becerra Valdivia, and Patricia A. Arteaga—Digging for Data from Backdirt: A South American Case Study
- 149-b Nicholas Ames, Hanna Huynh, Alan Farahani, and Benjamin Porter—Heavy-Fraction Microdebris Enhance the Interpretation of Cultural Practices in Middle Islamic West-central Jordan
- 149-c Christina Pugh, Daniel Pugh, and Zachary Cofran—Nazarbayev University Laboratory of Anthropological Sciences: New Resources for Steppe Archaeology
- 149-d Brandon Buck—Geochemical Analysis of Unfired and Fired Clay Collected from Virginia River drainages
- 149-e David Massey—Unmanned Aerial Vehicles for Archaeological Surveying
- 149-f Daniel Riegel—A Study of Ceramics from Prehistoric Native American Sites and Geochemical Composition

**[150] POSTER SESSION ■ LITHIC EXPERIMENTS: EXPLORING TAPHANOMIC AND HUMAN PROCESSES**

**110** **(HHV)=Hilton Hawaiian Village (HCC)=Hawaii Convention Center**  
**Friday Morning, April 5**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Chairs:** William Andrefsky, Jacob Adams, and Philip Fisher

**Participants:**

- 150-a Jacob Adams, Philip Fisher, and William Andrefsky Jr.—An Experimental Study of Human Cores Compared to Geo-Cores  
150-b Philip Fisher, Jacob Adams, William Andrefsky Jr., and Scott Carpenter—An Experimental Examination of Human Transport Wear Compared to Post-Depositional Process on Obsidian Bifaces  
150-c Ben Marwick, Elspeth Hayes, and Chris Clarkson—An Experimental Study of Trampling at Malakunanga II, Northern Australia: Implications for the Timing of the Human Colonization of Australia  
150-d Tyler Rutherford and William Andrefsky Jr.—Distinguishing between Debitage Caused by Natural Impact and Intentional Human Activity  
150-e William Andrefsky and Kristina Wiggins—Is It an Artifact? Exploring Morphological Variability in Fractured Chert Debris  
150-f Oliver Macgregor and Alex Mackay—Distinguishing Artefacts from Naturally Flaked Mimics, Using Flake Scar Size  
150-g Joseph Keeney and Jeffrey Rasic—GIS Analysis of Flake Scar Patterning Applied to a Geofact-Artifact Conundrum from Sedna Creek, Arctic Alaska

**[151] SYMPOSIUM ■ BOTH MEAT AND MEANING**

**Room:** 303A (HCC)

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

**Chairs:** Jean Hudson, Ralph Koziarski, and Emily Epstein

**Participants:**

- 10:45 Jean Hudson—Valuable Animals: Perspectives from the Peruvian Coast  
11:00 Matthew O'Brien—Identifying Leadership for Communal Hunting Episodes at the Eden Farson Site  
11:15 Tanya Peres and Heidi Altman—From Ahwi to Anikahwi: Deer in Subsistence and Social Structure  
11:30 Ralph Koziarski—A Feast for the Spirit: The Dual Role of Bears and Canines in Meskwaki Society  
11:45 Nerissa Russell—Discussant

**[152] SYMPOSIUM ■ COLLABORATIVE ARCHAEOLOGY AND PRIVATE INDUSTRY: MOVING BEYOND SECTION 106**

**Room:** 314 (HCC)

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

**Chairs:** Mark Sanders and Ronald Maldonado

**Participants:**

- 10:45 Thomas Witt and Kathleen Corbett—That Old Gold Mine Is Sitting on a Gold Mine: Preserving History in the Face of Active Industry  
11:00 Rand Greubel and Kimberly Redman—Pipeline Archaeology for the Public: Why It's Good for Everybody  
11:15 Cheryl Eamick—Sustainable Preservation through Building Relationships  
11:30 Yolanda Benally-Littletree—Collaborative Archaeology and Private Industry: Moving Beyond Section 106  
11:45 Jerry Fetterman—Discussant

**[153] GENERAL SESSION ■ THEORETICAL AND METHODOLOGICAL PERSPECTIVES IN**

**ARCHAEOLOGY**

**Room:** 306B (HCC)

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

**Chair:** Kathryn MacFarland

**Participants:**

- 11:00 Charles Boyd and Donna Boyd—The Scales of Archaeological Theory  
11:15 Adrienne Daggett—Early Iron Age Economy at Thaba di Masego, Botswana  
11:30 Gregory Burns—Models for Evolution of Money in Simple Societies  
11:45 Kathryn MacFarland—The Anthropology of Unconventional Ideas

**[154] GENERAL SESSION ■ EARLY FARMING COMMUNITIES IN EAST AND SOUTHEAST ASIA**

**Room:** 323B (HCC)

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

**Chair:** Michelle Eusebio

**Participants:**

- 11:00 Andrew Womack—Detecting Degradation in Archaeological Sites Using Satellite Remote Sensing: A Case Study on the Chengdu Plain, Sichuan, China  
11:15 Nattha Chuenwattana, Gillian Thompson, and Joyce White—Preliminary Archaeobotanical Results from Four Cave sites in Laos  
11:30 Michelle Eusebio, Jasminda Ceron, Stephen Acabado, and John Krigbaum—Rice Pots or Not? Exploring Ancient Ifugao Foodways through Organic Residue Analysis and Archaeobotany  
11:45 Geok Yian Goh—Potting a Timeline for Archaeological Sites in Myanmar

**[155] GENERAL SESSION ■ LITHIC ANALYSIS**

**Room:** 319A (HCC)

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

**Chair:** Jaclyn Nadeau

**Participants:**

- 11:00 Birgitta Stephenson—The Clarity of Staining – The Application of Biochemical Staining to Differentiate Archaeological Residues  
11:15 Shannon McPherron, David Braun, Tamara Dogandžic, Dawit Desta, and Will Archer—Modeling Trampling Damage on Flakes: An Experimental Approach to Substrate Size, Raw Material Type, Edge Angle, and Contact Face  
11:30 Tamara Dogandžic, Shannon McPherron, and David Braun—Estimating Blank Edge Length and Surface Area: A Comparison of Methods Using Digitized Images  
11:45 Jaclyn Nadeau—Research, Museum Collections, and Cultural Resource Management

**[156] SYMPOSIUM ■ MOBILE COMPUTING IN THE FIELD**

**Room:** 301A (HCC)

**Time:** 11:15 AM - 12:00 PM

**Chair:** Morley Eldridge

**Participants:**

- 11:15 Morley Eldridge—Tablet Computers in an Excavation  
11:30 Alyssa Parker—Challenges and Opportunities for Analysis of 3D Point Cloud Data  
11:45 Roger Eldridge—Use of Barcodes in Field Survey and Laboratory

**Friday Afternoon ■ April 05, 2013**

- [157] SYMPOSIUM ■ CONTACTS BETWEEN CENTRAL ASIA, MIDDLE-ASIA, AND THE ARABIAN PENINSULA IN THE BRONZE AGE: A TRIANGULATION BETWEEN THREE "ARCHAEOLOGICAL WORLDS"**  
**Room:** 305A (HCC)  
**Time:** 1:00 PM - 2:15 PM  
**Chair:** Benjamin Mutin

**Participants:**

- 1:00 Christopher Thornton, Kyle Olson, and Narges Bayani—The Bronze Age of Northeastern Iran – View from the Frontier  
1:15 Benjamin Mutin—Revisiting Contacts across the Hindu Kush in the Bronze Age  
1:30 Holly Pittman—The Bronze Age of Exchange on the Iranian Plateau  
1:45 Marta Sobur—Karl Polanyi's "Ports-of-Trade" and Their Manifestations during the Bronze Age across the Arabian Peninsula.  
2:00 C Lamberg-Karlovsky—Discussant

- [158] GENERAL SESSION ■ GRAVE UNDERTAKINGS: ARCHAEOLOGICAL PERSPECTIVES ON HISTORIC CEMETERIES**  
**Room:** 309 (HCC)  
**Time:** 1:00 PM - 2:15 PM  
**Chair:** Jonathan Scholnick

**Participants:**

- 1:00 Sarah Patterson—Using Grave Markers to Identify Trends in Immigration  
1:15 Jonathan Scholnick, Briggs Buchanan, and Mark Collard—An Evaluation of the Impact of Population Size on Cultural Diversity Using Colonial-Era New England Gravestones  
1:30 Jacquelyn Bluma and Alexis Jordan—An In-depth Comparison of Immigrant Life Expectancies from German Lutheran Cemeteries in Southeastern Wisconsin  
1:45 Teddi Setzer and Susan Ward—Damaged Histories and the Bioarchaeology of a Late 19th Century Family Mausoleum at Oak Hill Cemetery, Pontiac, MI  
2:00 Tareq Ramadan and Teddi J. Setzer—The Beautification of Death: An Example from a Late 19th Century Mausoleum in Pontiac, Michigan

- [159] SYMPOSIUM ■ ASPECTOS RECIENTES SOBRE LA TUMBA 7 DE MONTE ALBÁN**  
**Room:** 319A (HCC)  
**Time:** 1:00 PM - 2:30 PM  
**Chair:** Nelly Robles Garcia

**Participants:**

- 1:00 Nelly Robles Garcia—Revisitando la Tumba 7 de Monte Albán: nuevas miradas interdisciplinarias  
1:15 Irma Cazares—Pesquisas descubiertas, a propósito de la Tumba 7  
1:30 Noreen Tuross, Sergio Lopez, Richard Waldbauer, and Nelly Robles Garcia—The Antiquity, Subsistence, and Home Range of the People Placed in Tomb 7 at Monte Albán  
1:45 Angel Rivera—Una nueva mirada a la iconografía zapoteca clásica de la Tumba 7  
2:00 Dante Garcia—La cerámica tardía de Monte Albán en la relación mixteco-zapoteco del Valle de Oaxaca

2:15 Patricia Plunket—Discussant

**[160] GENERAL SESSION ■ NOVEL APPROACHES TO UNDERSTANDING SOCIAL ORGANIZATION IN ANCIENT MESOAMERICA**  
**Room:** 323B (HCC)  
**Time:** 1:00 PM - 2:15 PM  
**Chair:** Melissa Burham

**Participants:**

- 1:00 Diana Zaragoza—Dzipac the Primordial God in the Huastec Region. A Study through Ceramic Representations  
1:15 Patricio Davila Cabrera—Reflexiones sobre la cuestión arqueológica de la región huasteca  
1:30 Leticia Vargas, Victor Castillo, and Cristian Hernandez—Los objetos de concha de Ukit Kan Lek Tok', Rey de Ek' Balam  
1:45 Catherine Johns—What Ceramics Can Tell Us: Assemblages Indicating Activities in the Teuchitlan Culture's Guachimontones  
2:00 Melissa Burham—Social Complexity on the Periphery: The Implications of Ceibal's Very Minor Centers

**[161] FORUM ■ RE-CONNECTING THE PAST: THE FUTURE OF SOCIAL NETWORK ANALYSIS IN ARCHAEOLOGY**  
**Room:** 318A (HCC)  
**Time:** 1:00 PM - 3:00 PM  
**Moderator:** Angus Mol

**Participants:**

- Mark Golitko—Discussant  
John Terrell—Discussant  
Tom Brughmans—Discussant  
Barbara Mills—Discussant  
Tim Kohler—Discussant  
Shawn Graham—Discussant  
Koji Mizoguchi—Discussant

**[162] GENERAL SESSION ■ ARCHAEOLOGY OF THE MIDDLE EAST AND THE LEVANT**  
**Room:** 306B (HCC)  
**Time:** 1:00 PM - 2:45 PM  
**Chair:** Arlene Rosen

**Participants:**

- 1:00 Arlene Rosen, Ella Reiczyk, and Steve Rosen—Paleoecology of Early Pastoralism in the Negev: Phytolith Tales from the Dung  
1:15 Robert Power, Arlene Rosen, and Dani Nadel—Phytolith Analysis of Late Natufian Site at Raqefet Cave in Mount Carmel, Israel  
1:30 Emma Humphrey—Eating in the Kebaran: Inter-site Variability in Prey Exploitation during the Early Levantine Epipalaeolithic  
1:45 Eduard Reinhardt and Joseph Boyce—Tsunamigenic Destruction of Herod the Great's Harbor at Caesarea, Israel – New Evidence  
2:00 Kelsey Clardy and Miriam Belmaker—Development of a Paleoclimatic Predictive Model Based on *Gazella gazella* Mesowear of the Last Glacial in the Levant  
2:15 Michael Bisson, April Nowell, Carlos Cordova, Melanie Poupart, and Christopher Ames—Dissecting a Lower and Middle Paleolithic Palimpsest on the Madaba Plateau, Jordan

- 2:30 Michal Birkenfeld and A. Nigel Goring-Morris—A Multi-Scale Approach to Pre-Pottery Neolithic Settlement Systems in the Lower Galilee, Israel

**[163] SYMPOSIUM ■ OUR LAND IS GIRT BY SEA: ROCK ART, SEASCAPES, AND INSCRIBED MEANINGS**

(Sponsored by Rock Art Interest Group)

Room: 301B (HCC)

Time: 1:00 PM - 3:30 PM

Chairs: Josephine McDonald and Paul Tacon

**Participants:**

- 1:00 Joakim Goldhahn—Bronze Age Rock Art and Seascape in the Eastern Baltic Sea, Northern Europe  
1:15 Alice Tratebas—Comparison of Rock Art Themes between Siberia and North America  
1:30 Paul Tacon—Boats, Dogs, and Rock Art: Evidence of a Pre-Neolithic Maritime Tradition in Greater Southeast Asia  
1:45 Meredith Wilson—Markers of Mortality: Exploring Spatial Patterning in the Rock Art of Vanuatu  
2:00 Sally May and Paul Taçon—Taken for Granted? Comparing the Depiction of Southeast Asian and European Watercraft in the Rock Art of Northern Australia  
2:15 Alistair Paterson—Cruel Seas: Depictions of Maritime Activities and Rock Art as Evidence for Coastal and Island Use in the Colonial Period, Northwestern Australia  
2:30 Peter Veth and Jo McDonald—Murujuga: Rock Art and the Deep-Time Chronology of Island Formation and Emergence of Maritime Societies  
2:45 Josephine McDonald—Oh! I Do Like to Be Beside the Seaside...: Reflections on Landscape Use in the Coastal Zone of the Sydney Region  
3:00 Ian McNiven—Discussant  
3:15 Q&A

**[164] SYMPOSIUM ■ FINDING SOLUTIONS FOR PROTECTING AND SHARING ARCHAEOLOGICAL HERITAGE RESOURCES**

Room: 317B (HCC)

Time: 1:00 PM - 3:45 PM

Chairs: Anne Underhill and Lucy Salazar

**Participants:**

- 1:00 Alan Carpenter—Why Nu'alolo Kai? Archaeological Stewardship and Cultural Revitalization on Kaua'i's Remote Napali Coast, Hawaiian Islands  
1:15 Jo Anne Van Tilburg and Cristián Arévalo Pakarati—Seeking Solutions: An Archaeological Approach to Conservation of a Threatened Heritage on Easter Island (Rapa Nui)  
1:30 Hui Fang and Bo Yang—Cultural Heritage Education in China  
1:45 Chiharu Abe—Strategies of Cultural Heritage Management in Hokkaido, Northern Japan  
2:00 John Darnell—The Protection and Sharing of Sites in the Egyptian Western Desert  
2:15 Roderick McIntosh—A Success too Sweet: Who Sheds Tears When Looting Ends  
2:30 Lawrence Coben—Sustainable Preservation: Utilizing Community-Based Economic Development and Entrepreneurship to Save Sites  
2:45 Santiago Uceda—Huacas del Sol y de la Luna Project: Inclusion of Local and Regional Social Development

- 3:00 Yuji Seki—The Archaeological Heritage Management and the Participation of the Local Community in the North Highlands of Peru  
3:15 Lucy Salazar and Richard Burger—The Machu Picchu Solution: A New Model for Cultural Patrimony Disputes  
3:30 Q&A

- [165] SYMPOSIUM ■ COLLABORATIVE RESEARCH IN THE PACIFIC BASIN AND BEYOND: RE-SHAPING ARCHAEOLOGICAL PRACTICE TO PROVIDE SPACE FOR COMMUNITIES**  
**Room:** 316B (HCC)  
**Time:** 1:00 PM - 4:00 PM  
**Chairs:** Patricia McAnany and Sarah Rowe

**Participants:**

- 1:00 Des Kahotea and Caroline Phillips—Maori iwi, Hapu, and Archaeology Research Collaboration?  
1:15 David Guilfoyle, Myles Mitchell, and Ron “Doc” Reynolds—Sustainable Indigenous Heritage Management and the Role of Archaeology: A Working Model and Case Study from Western Australia  
1:30 Stephen Acabado and Marlon Martin—Lessons from the 2012 Field Season of the Ifugao Archaeological Project  
1:45 Adolfo Batun-Alpuche—Beyond Modern Maya Campesinos Collaborative Archaeology: Giving the Tools of Archaeological interpretation to Maya University Students  
2:00 Brent Woodfill—Collaborative Archaeology and Community Development at Salinas de los Nueve Cerros, Guatemala  
2:15 Sarah Rowe and Patricia McAnany—Building Bridges toward Effective Collaboration: The Entanglement of Archaeological Praxis with Local Knowledge  
2:30 Brian Billman and Jesus Briceño Rosario—Patrimonio y comunidad en Perú: Archaeology as Social Engagement  
2:45 Ronald Lippi and Alejandra Gudiño—Collaborative Archaeology in Northwestern Ecuador: Yumbos, Tsachilas, Mestizos, and Other Stakeholders  
3:00 Dominic Walker—Toward a Decentered Archaeology: Archaeology Museums and Online Publics  
3:15 Lee Rains Clauss—Discussant  
3:30 Tom Dillehay—Discussant  
3:45 Q&A

- [166] SYMPOSIUM ■ 2013 FRYXELL SYMPOSIUM: PAPERS IN HONOR OF ANTHONY F. AVENI**  
*(Sponsored by Fryxell Award Committee)*  
**Room:** 315 (HCC)  
**Time:** 1:00 PM - 4:15 PM  
**Chair:** Anne S. Dowd

**Participants:**

- 1:00 Ethan Cole—Thinking Big with Aveni  
1:15 David Carballo, Luis Barba, Agustín Ortiz, and Jorge Blancas—Mapping the Northeastern Tlajinga Barrio at Teotihuacan  
1:30 Johanna Broda—The Comparative Study of Indigenous Calendar Festivals and Astronomical Dates: Mesoamerica and the Andes  
1:45 Benjamin Vining—“Persistent Places”: Long-term Occupations in the Southern Peruvian Highlands and Their Role in Cultural Landscape Formation  
2:00 Kristin Landau—Spatial Logic and Maya Site Planning: The Case for Cosmology  
2:15 Maria-Cristina Pineda De Carias, Nohemy Rivera, and Cristina Argueta —

- 2:30 Stela D: Sundial of Copán, Honduras  
Juan Ignacio Cases—A Sky of Jewels: Cosmographic Elements in the Context of Classic Maya Lunar Series
- 2:45 John Justeson—The Relationship of Eclipse Doublets to the Eclipse Stations of the Dresden Codex
- 3:00 Susan Milbrath—Evidence for Astro-Astronomy among the Ancient Maya
- 3:15 Wendy Ashmore—Discussant
- 3:30 Gary Urton—Discussant
- 3:45 Anthony Aveni—Discussant
- 4:00 Q&A

**[167] SYMPOSIUM ■ SEAS OF PERMUTATION: GLOBAL PERSPECTIVES ON THE****ARCHAEOLOGY OF ISLANDS***(Sponsored by Journal of Island and Coastal Archaeology)***Room:** 311 (HCC)**Time:** 1:00 PM - 4:45 PM**Chair:** Scott Fitzpatrick**Participants:**

- 1:00 Richard Callaghan—Changing Perceptions of Paths of Migration and Interaction in Caribbean Prehistory
- 1:15 Cyprian Broodbank—Did Islands Make Much Difference to World Prehistory? Perspectives from the Mediterranean
- 1:30 Hiroto Takamiya—The Islands of Okinawa Where Hunter-Gatherers Once Throve
- 1:45 Victor Thompson and Thomas Pluckhahn—Engineering Islands and Island Engineers: The Social and Technological Implications of Anthropogenic Landforms along Crystal River
- 2:00 Sue O'Connor—Pleistocene Maritime Societies in Island Southeast Asia
- 2:15 Madonna Moss, Susan Karl, and James Baichtal—Obsidian in Southeast Alaska and British Columbia: Travel, Trade, and Exchange, or Geochemical Overlap?
- 2:30 Jago Cooper—Insular Climatology in Island Archaeology: Comparative Perspectives from the Pacific and Caribbean
- 2:45 Terry Hunt and Carl Lipo—The Remoteness of Rapa Nui
- 3:00 William Keegan—The Chaos of Caribbean Island Colonization in Biogeographical Perspective
- 3:15 John Terrell and Mark Golitko—Prehistory in the Pacific Islands: The Possible and the Actual
- 3:30 Ben Fitzhugh—Promises and Perils of Social Networks for Relatively Insular Populations
- 3:45 Patrick Kirch—Vulnerability and Resilience in Island Socio-Natural Systems
- 4:00 John Cherry—Aegean and Caribbean Island Archaeologies: Problems and Opportunities for Comparative Analysis
- 4:15 Jon Erlandson—On the Marginality of Islands
- 4:30 Emily Peterson and Peter Lape—Beyond the Beach: Exploring Connectedness and Isolation in Island Southeast Asia

**[168] SYMPOSIUM ■ LESSONS LEARNED: REFLECTIONS ON THE BENEFITS, CHALLENGES,****AND RESPONSIBILITIES OF COLLECTION-BASED RESEARCH***(Sponsored by SAA Committee on Museums, Collections and Curation)***Room:** 318B (HCC)**Time:** 1:00 PM - 4:45 PM**Chairs:** HB Thakar and Jeffrey Rasic

**Participants:**

- 1:00 Lisa Janz—Why Excavation and Survey Are Inadequate When Existing Collections Are Ignored: A Case Study from the Gobi Desert  
1:15 Catherine Frieman—A Very Remote Storage Box Indeed... The perils and Rewards of Revisiting Old Collections  
1:30 Vivian Scheinsohn, Paula Miranda, María José Fernández, Agnolin Agustín, and Carpio Mariela—An Argentinean Metarchaeology: Lessons Learned from an anthropological/archaeological Collection  
1:45 Daniela Kloklar—From Recovery to Discovery: Analysis of the Faunal Collection from Cabeçuda Shellmound  
2:00 Shankari Patel—New Directions Courtesy of an Old Collection: Pilgrimage, Gender, and the Nepean Collection from Isla de Sacrificios, Mexico  
2:15 Karimah Kennedy Richardson—Lessons Learned for Collections Management: What Has Been Learned about the Untouched Archaeological Collection of a 100-Year-Old Institution  
2:30 Jonathan Driver—Zooarchaeological Potential of Curated Bone Artifacts from Pueblo Bonito, New Mexico  
2:45 Emily Lena Jones—Faunal Collections and Subsistence Transitions in the Protohistoric Southwest: Lessons Learned from Fruitland and Picuris  
3:00 Tim Riley—Ancient Starchways in Museum Collections: An Investigation of Fremont Subsistence through the Microresidues Curated in the USU Eastern Prehistoric Museum  
3:15 Jeffrey Rasic—The Post-Excavation Use-Lives of Fluted Projectile Points from Northwestern North America  
3:30 Stephan Heidenreich—Over the Pond, to the Lab, and Modeled into the Landscape – Lessons Learned from an Overseas Study of Beringian Museum Collections in Alaska  
3:45 Fawn Carter and Christopher Houlette—Revisiting Kukulik: A Languishing Collection Meets Modern Methodology  
4:00 Michael Polk—Seeking Storage Where None Seems to Exist  
4:15 Julie Stein—Discussant  
4:30 Daniel Odess—Discussant

**[169] SYMPOSIUM ■ SHIFTING ARCHAEOLOGICAL BORDERS AND BOUNDARIES:**

**DECOLONIZING HISTORY AND ACADEMIA**

**Room:** 323C (HCC)

**Time:** 1:00 PM - 4:45 PM

**Chair:** Paulette Steeves

**Participants:**

- 1:00 Timothy Wilcox—Challenging Imposed Boundaries: A Decolonization of Dine' History  
1:15 Fanya Becks—More Than Residing  
1:30 Nicholas Laluk—Traces of the Past, and Paths to the Future: Fostering Collaboration in Land Management  
1:45 Natalia Martinez Taguena—Comcáac Archaeology: The Ethnography of Collaboration and Historical Data Integration  
2:00 Ty Tengan—Toward an 'Aina Anthropology: Reflections from the University of Hawai'i  
2:15 Peter Nelson and Sara Gonzalez—Decolonizing the Ranks: Learning Field Methodology with and from Descendant Communities  
2:30 Lucius Martin, Liana Staci Hesler, and Andrew Gourd—Success and Challenge: A Survey of Tribal Historic Preservation Offices within Oklahoma  
2:45 Davina Two Bears—Colonizing Spaces of Forced Assimilation and Relocation in

- 3:00 the Old Leupp Boarding School Historic Site  
Sonya Atalay and Shannon Martin—Methodological Considerations in Community-Based Archaeology: Participatory Planning and Knowledge Mobilization  
3:15 Dorothy Lippert—Is Repatriation a Decolonized Process?  
3:30 Michael Wilcox—Origins, Influences, and the Future: Indigenous Archaeology and the Narratives of History  
3:45 Paulette Steeves—Rebuilding Bridges to the Indigenous Past  
4:00 Virginia Steen-McIntyre—El Horno: A Mid-Pleistocene Mastodon Butcher Site from the Valsequillo Reservoir Area, Puebla, Mexico  
4:15 Larry Zimmerman—Discussant  
4:30 Q&A

**[170] SYMPOSIUM ■ THE COAST IS CLEAR: PAPERS IN HONOR OF KENNETH M. AMES**

**Room:** 316C (HCC)

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

**Chairs:** Colin Grier and Andrew Martindale

**Participants:**

- 1:00 Colin Grier—Research over the Longue Durée: 15 Years of Amesian Archaeology in the Southern Gulf Islands of British Columbia  
1:15 Kelly Derr—Shifting Landscapes – Emergent Hunter-Gatherer Social Complexity and Landscape Management in the Gulf of Georgia  
1:30 Erin Smith and Colin Grier—Thinking By Boat: Developing a Phenomenology of Seascapes for the Coast Salish World  
1:45 Adam Rorabaugh—Toolstone as a Secondary Resource: An Investigation of Material Quality, Access, and Ownership over 5,000 Years in the Salish Sea  
2:00 Brian Kemp, Cara Monroe, and Colin Grier—A Tale of Two Villages: Ancient DNA Reconstruction of Salmon Fisheries at a Marpole and Late Period Village at the Dionisio Point Locality, Southwestern British Columbia  
2:15 Terence Clark and Gary Coupland—Exploring the Lives of the Ancient Chiefs: Recent Research at an Elite Charles-Age (5500-3500 B.P.) Cemetery  
2:30 Bryn Letham and David Bilton—Settlement History and the Cultural Landscape of Shishalh Territory, Northern Salish Sea  
2:45 R. Matson—The Evolution of Northwest Coast Houses and Villages  
3:00 Gary Coupland—Northwest Coast Household Archaeology: Twenty-Five Years on Down the Trail  
3:15 Andrew Martindale—Quantification of Village Patterns in Tsimshian Territory  
3:30 Kisha Supernant—From Visualization to Analysis: Maps, Whiz-Bangs, and the Importance of GIS for the Archaeology of Shell Middens on the Northwest Coast  
3:45 Junko Habu—Food Diversity and Long-term Sustainability: Lessons from Prehistoric Japan  
4:00 Herbert Maschner—Discussant  
4:15 Virginia Butler—Discussant  
4:30 Kenneth Ames—Discussant  
4:45 Q&A

**[171] SYMPOSIUM ■ PRECLASSIC MAYA HOUSEHOLDS**

**Room:** 312 (HCC)

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

**Chairs:** Brigitte Kovacevich and Michael Callaghan

**Participants:**

- 1:00 Brigitte Kovacevich and Michael Callaghan—Preclassic Maya Household

- 1:15 Archaeology at Holtun, Guatemala  
Daniela Triadan and Takeshi Inomata—Continuity and Change in the Formation of Preclassic Domestic Space at Ceibal, Guatemala
- 1:30 Astrid Runggaldier—Invisible Cities: The Buried, Dismantled, and Non-Mounded Maya Residences of Preclassic San Bartolo, Guatemala
- 1:45 James Doyle—Laguna-Front Property on the Lower East Side: An Elite Preclassic Residential Platform at El Palmar, Petén, Guatemala
- 2:00 Santiago Juarez—Preclassic Maya Commoners: Pioneers in the Rise of Civilization
- 2:15 Rosemary Joyce and John Henderson—The Early Household as Historical Process: Lessons from Puerto Escondido and Los Naranjos, Honduras
- 2:30 Jessica Munson—Social and Material Transformations in an Early Maya Community: Changing Views from Caobal, Petén, Guatemala
- 2:45 Cynthia Robin—Preclassic Maya Households at Chan, Belize
- 3:00 Justin Lowry—Preclassic Houses: A Study of House Form and Function in the Late Preclassic at Xuenkal
- 3:15 Sherman Horn, Terry Powis, and Jaime Awe—It Takes More Than a Village: Households, Socioeconomic Networks, and Social Development in the Middle Preclassic Belize Valley
- 3:30 Jeremy Bauer—In the Shadows of the Gods: Correlating E-Groups and Households through Time and Space
- 3:45 Mario Borrero and Michael Love—Domestic Obsidian Production and Consumption at the Middle Preclassic Site of La Blanca, San Marcos, Guatemala
- 4:00 M. Kathryn Brown—Middle Preclassic Ritual: A View from the Belize River Valley
- 4:15 George Bey and Rossana May Ciau —The Preclassic and the Rise of Social Complexity in the Bolonchen District of Yucatan
- 4:30 Kathryn Reese-Taylor—Discussant
- 4:45 Julia Hendon—Discussant

**[172] SYMPOSIUM ■ SMALL SAMPLES, BIG QUESTIONS: NEW METHODS AND APPLICATIONS IN BIOMOLECULAR ARCHAEOLOGY**

**Room:** 303A (HCC)

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

**Chairs:** Amanda Henry, Courtney Hofman, and Christina Warinner

**Participants:**

- 1:00 Courtney Hofman, Torben Rick, Paul Collins, Jon Erlandson, and Jesus Maldonado—Archaeogenomics and Ancient Animal Translocations on California's Channel Islands
- 1:15 Camilla Speller, Lorenz Hauser, Dana Lepofsky, and Dongya Yang—Using DNA from Ancient Herring Bones to Inform Modern Fisheries Management and Conservation
- 1:30 Logan Kistler, Lee A. Newsom, Bruce D. Smith, and Beth Shapiro—Bottle Gourds in the Americas: New Ancient DNA Evidence Points to African Origins and Independent Domestication
- 1:45 Christina Warinner—Paleopathology and Paleodiet in the Era of Metagenomics
- 2:00 Kirsten Bos and Johannes Krause—Ancient Pathogen DNA: Protocols, Progress, and Possibilities
- 2:15 Hannah Koon—Sea Sick: Development of a Proteomic Biomarker for Scurvy in the Bone Collagen of Early Seafarers
- 2:30 Karen Hardy, Stephen Buckley, Matthew Collins, Anita Radini, and Yvette Hancock—Not Only Starches: A Multidisciplinary Approach to the Study of Neanderthal Dental Calculus

- 2:45 Q&A  
3:00 Anita Radini, Y. Hancock, Efthymia Nikita, Allan Hall, and Karen Hardy—The Challenge of the “Invisible Environment”: Micro-Debris in Human Dental Calculus as a New Line of Evidence for Medieval Urban Leicester (UK)  
3:15 Rosa Albert, Irene Esteban, and Cabanes Dan—Phytoliths as a Proxy for Paleovegetation Reconstruction and Use of Plant Resources by Early Hominins  
3:30 Clayton Magill, Gail Ashley, and Katherine Freeman—Plant Biomarker and Isotopic Perspectives on Early Human Habitats at Olduvai Gorge  
3:45 Domingo Carlos Salazar-García, Olaf Nehlich, Stanley H. Ambrose, Michael P. Richards, and Amanda G. Henry—New Insights into Dental Calculus as Palaeodietary Markers. Collagen, Carbonate and Calculus Stable Isotope Values from a Mudéjar Medieval Cemetery in Eastern Iberia.  
4:00 Catherine West and Fred Andrus—High-Resolution Sampling of *Saxidomus gigantea* in the Kodiak Archipelago  
4:15 Gregory Henkes, Torben Rick, and Benjamin Passey—Carbonate Clumped Isotope Thermometry of Archaeological Shell from the Chesapeake Bay  
4:30 Kelly Knudson—Stable Strontium Isotope Analysis: A New Method for Investigating Paleodiet in Archaeological Remains  
4:45 Amanda Henry—Discussant

**[173] GENERAL SESSION ■ ZOOARCHAEOLOGICAL STUDIES: NEW WORLD****Room:** 323A (HCC)**Time:** 1:15 PM - 2:30 PM**Chair:** Rachel McTavish**Participants:**

- 1:15 Rachel McTavish—Evaluating the Aztalan Palimpsest: Faunal Analysis of a Mixed Late Woodland and Middle Mississippian Context  
1:30 Sarah Neusius, Laura Kaufman, and Andrea Boon—Assessing Faunal Assemblage Comparability at the Johnston Site  
1:45 Meagan Dennison—Exploring Site Function through Faunal Remains on the Upper Cumberland Plateau of Tennessee  
2:00 Megan Kassabaum—Feasting Reconceptualized: A View from the American South  
2:15 Lindsay Johansson—The Buck or the Bunny? Documenting Change in Faunal Use through Time at North Creek Shelter

**[174] SYMPOSIUM ■ TRIBAL CONSULTATION: LESSONS LEARNED AND FUTURE DIRECTIONS***(Sponsored by Committee on Native American Relations)***Room:** 314 (HCC)**Time:** 1:15 PM - 4:15 PM**Chairs:** Patricia Garcia-Tuck and John Rose**Participants:**

- 1:15 Ora Marek-Martinez—Scales of Consultation: Multiple Stages of Listening and Learning in the Navajo Nation  
1:30 Dorothy FireCloud—Continuity and Conflict in the Preservation of a Spiritual Landscape  
1:45 Kenneth Tankersley—Saving Sequoyah’s Oldest Written Record  
2:00 Ronald Maldonado—Discussant  
2:15 Desiree Martinez—Communicating with a "Good Heart": Strategies for Consultation  
2:30 Nanebah Nez—What Are the Moral Considerations of Engaging in Tribal Consultation?

- 2:45 Marcos Guerrero—Tribal Consultation: In Search of a Meaningful Good Faith Effort  
3:00 Wendy Teeter—Consultation and Partnerships in a Museum: Putting Intention into Practice  
3:15 John Rose—Reviewing Consultation  
3:30 Joe Watkins—Discussant  
3:45 Shannon Tushingham—Discussant  
4:00 Q&A

**[175] SYMPOSIUM ■ COMMUNITIES AND HOUSEHOLDS IN THE GREATER SOUTHWEST**  
**Room: 316A (HCC)**  
**Time: 1:15 PM - 5:00 PM**  
**Chair: Robert Stokes**

**Participants:**

- 1:15 Barbara Roth—Pithouse Community Development in the Mimbres Valley, Southwestern New Mexico  
1:30 Robert Stokes—The Role of Landless Families in the Creation of New Communities in the Mimbres Area  
1:45 Elizabeth Toney and Aaron Woods—Landscape, Settlement, Communities, and Households in the Mimbres-Mogollon Region: The Role of Small and Medium-sized Pueblos  
2:00 Thomas Gruber—Identifying Workgroups in Classic Mimbres Villages (A.D. 1000-1150) in Southwestern New Mexico  
2:15 Jefferson Reid and Stephanie Whittlesey—The Rapidly Evolving Household: Episodic Change at Chodistaas and Grasshopper Pueblos, Arizona  
2:30 Jennifer Payne—Community Organization in Two Areas of the Southwestern United States  
2:45 Alison Rautman—Household, Community, and Circular Pueblos in the American Southwest  
3:00 Deni Seymour—Pliant Communities: Seasonal Mobile Group Visitation at the Eastern Frontier Pueblos  
3:15 James Potter—Household Action and the Construction and Destruction of the Ridges Basin Community  
3:30 Kristin Safi and Andrew Duff—Largo Gap and the Pueblo II Period Great House Communities of the Southern Cibola Region  
3:45 Katie Richards, James Allison, Richard Talbot, Scott Ure, and Lindsay Johansson—Household Variation, Public Architecture, and the Organization of Fremont Communities  
4:00 Eric Klucas—Reflections on Tortolita Phase Community Integration in the Northern Tucson Basin  
4:15 Michael Lindeman—Households, Plazuelas, and Plazas: Decision Making and Social Standing among the Pre-Classic Hohokam  
4:30 Henry Wallace and Michael Lindeman—Social Distancing, Dispersal, and Fragmentation: The 150-Year-Long Transition to the Hohokam Classic Period in the Tucson Basin of Southern Arizona  
4:45 Stephen Lekson—Discussant

**[176] SYMPOSIUM ■ EXPLORING CROSS-CULTURAL INTERACTION, FROM CONTACT TO COLONIALISM**  
**Room: 303B (HCC)**  
**Time: 1:30 PM - 3:45 PM**  
**Chair: Christine Beaule**

**Participants:**

- 1:30 Christine Beaulé—Theoretical Approaches to Cross-Cultural Interaction, from Contact to Colonialism  
1:45 Robert Littman, Mohamed Kenawi, Jay Silverstein, and Nicholas Hudson—Who Is This Like the Nile that Riseth up: Ethnic Relations at Thmuis, Egypt  
2:00 Hui-Lin Lee—Colonialism in the Beginning – Japan's Early Colonization in Taiwan  
2:15 Damion Sailors—Manu – An Analysis of the Customary Practice of Oceanic Kite Flying  
2:30 Courtney Rose—Yaqui Cultural Resilience to Colonialism: Implications for Understanding the Archaeological Record  
2:45 Angela Lockard Reed—Colonial Witch Bottles: A Spirited Public Archaeology Activity  
3:00 Jay Silverstein—This Land Is My Land: Identity and Confliction on the Western Frontier of the Aztec Empire  
3:15 James Bayman—Discussant  
3:30 Q&A

**[177] SYMPOSIUM ■ VIOLENCE AND WARFARE AMONG HUNTER-GATHERERS****Room:** 306A (HCC)**Time:** 1:30 PM - 4:30 PM**Chairs:** Mark Allen, Terry Jones, and Al Schwitalla**Participants:**

- 1:30 James Chatters—Wild-Type Colonizers and High Levels of Violence among Paleoamericans  
1:45 Paul Roscoe—Military Practice among the Hunter-Gatherers and Fisher-Gatherers of New Guinea  
2:00 Colin Pardoe—Territoriality and Conflict in Aboriginal Australia  
2:15 Mark Allen—Scales of Warfare and Violence in California and Australia: Fighting Foragers and Collectors in Conflict  
2:30 Frank Bayham, R. Kelly Beck, and Kimberley L. Carpenter—Large Game Exploitation at the Boundaries: Modeling and Measuring Competition and Conflict Using Stable Isotopes  
2:45 Kenneth Reid—Wait and Parry: Material Evidence for Hunter-Gatherer Defensive Measures in the Intermountain West  
3:00 Terry Jones, Marin Pilloud, and Al Schwitalla—The Bioarchaeological Record of Blunt Force Cranial Trauma in Central California  
3:15 Jelmer Eerkens and Eric Bartelink—A Stable Isotope Perspective on Violence among Central Californian Hunter-Gatherers  
3:30 James Brill—Violent Adaptations: Technology of Violence and Cultural Evolution along the Santa Barbara Channel  
3:45 Matthew Des Lauriers—“They Had among Them Some Wars and Bat” – Conflict, Clans, and the Baja California Peninsula  
4:00 Patricia Lambert—Discussant  
4:15 Steven LeBlanc—Discussant

**[178] GENERAL SESSION ■ POTTERY AROUND THE WORLD: IDENTITY AND TECHNOLOGY****Room:** 319B (HCC)**Time:** 1:30 PM - 4:45 PM**Chair:** Michael Strezewski**Participants:**

- 1:30 Michael Strezewski—Redware Pottery Production in New Harmony, Indiana:

	1815-1824
1:45	Noémi Müller, Maria Dikomitou-Eliadou, and Vassilis Kilikoglou—Calcite Tempering and Thermal Properties of Ceramic Cooking Ware: The Case of Prehistoric Marki Alonia in Cyprus
2:00	Jason Kennedy—Scratching the Surface: The Effects of Ceramic Processing on Ubaid Period Ceramics from Kenan Tepe, Southeastern Turkey
2:15	Artemi Chaviara and Eleni Aloupi-Siotis—Attic Clay – Then and Now
2:30	Leah Minc, Jason Sherman, Christina Elson, Charles Spencer, and Elsa Redmond—Clay Survey and Ceramic Provenance in the Valley of Oaxaca: Mapping Out Pottery Production and Exchange in the Late to Terminal Formative
2:45	Cynthia Fadem—Mineralogical Summary from the Early Farming in Dalmatia Project: Soils, Rocks, and Ceramics
3:00	Borislava Simova—Identity Formation in Late Preclassic to Early Classic Maya Domestic Contexts at the Site of Actuncan, Belize
3:15	John Blitz—Skeuomorphs, Textured Pottery, and Technological Innovation
3:30	Michael Woodburn, Liza Gijanto, and Sarah Platt—“There Is No Juju, There Is Only Islam”: Oral Histories and Pots at Brufet, The Gambia
3:45	Jose Pena and Robert Tykot—Trace Element Analysis of Late Horizon Pottery from the Huancabamba Valley, Jaen-Cajamarca, Peru
4:00	Jeanette Nicewinter—Geometric Communication on Cajamarca Ceramics
4:15	William Pratt and David Brown—The Cocina Perdida Site: Archaeological Survey in the Western Piedmont of Ecuador
4:30	Camilla Kelsoe and Julia Clark—Pastoralists and Pots: Experimental Archaeology of Prehistoric Ceramics in Targan Nuur, Northern Mongolia

**[179] SYMPOSIUM ■ QUESTIONS OF CHRONOLOGY IN ANCIENT CHINA**

**Room:** 325 (HCC)

**Time:** 1:30 PM - 5:00 PM

**Chairs:** Rowan Flad and Ofer Bar-Yosef

**Participants:**

1:30	Youping Wang—The Chronology of the Paleolithic in Central China
1:45	Guangmao Xie—The Palaeolithic Culture in South China
2:00	Ofer Bar-Yosef—Closing the Gap between the Paleolithic and Neolithic in China
2:15	Zhijun Zhao—Origin of Dryland Agriculture in North China
2:30	Shuicheng Li—A Symbol of Immortality: The Tradition of Burial with Jade in Ancient China
2:45	Xiaohong Wu—Radiocarbon Dating of Different Archaeological Cultures in China
3:00	Dong Guanghui, Chen Fahu, Wu Xiaohong, Zhao Zhijun, and Jia Xin—A Comparative Study of Radiocarbon Dating Charcoals and Charred Seeds from the Same Flotation Samples in Neolithic and Bronze Sites in the Gansu-Qinghai Region, China
3:15	Christian Peterson—Conservative Ceramic Change and Its Impact on Social and Demographic Reconstruction from Regional Settlement Data
3:30	Roderick Campbell—Fragments of the Shang: Time, History, and Narrative
3:45	Haicheng Wang—Bronze Typology and the Ambitions of Archaeology
4:00	Changping Zhang—Text-Based Periodization Orientation on the Study of Western Zhou Chronology
4:15	Chunming Wu—An Archaeological Perspective on the Bronze Culture and Early Civilization of Indigenous Qi Min (七闽) in Southeast China
4:30	Wu Guo and Enguo Lv—Rethinking Questions of Chronology in Ancient Xinjiang
4:45	Q&A

**[180] SYMPOSIUM ■ RITUAL INNOVATION, MATERIAL CULTURE, AND ENVIRONMENT IN****FORMATIVE CHAVÍN DE HUANTAR, PERU****Room:** 301A (HCC)**Time:** 1:45 PM - 3:30 PM**Chair:** John Rick**Participants:**

- 1:45 Marisol Lopez-Munoz and Matthew Sayre—Domestic Settlements and Production at Chavín  
2:00 Silvana Rosenfeld—Bone Tool Production and Psychoactive Plant Consumption at Chavín de Huántar  
2:15 Miriam Kolar—New Evidence for Ritual Sound Environment Use and Design at Chavín de Huántar, Peru  
2:30 Daniel Contreras—Reading an Anthropogenic Landscape: Setting as Media at Chavín de Huántar, Peru  
2:45 John Rick—Canals, Sacrifice, and Water Ritualism at Chavín de Huantar, Peru  
3:00 John Wolf—Chavín Iconographic Representations: Design Innovation, Social Dynamism, and Underlying Cognitive Structures  
3:15 Christian Mesia—Feasting and Power during the Andean Formative: Interactions between Chavín and Cupisnique

**[181] SYMPOSIUM ■ INTEGRATING ARCHAEOOMETRY AND THEORY: HOW DOES “ARCHAEOLOGICAL SCIENCE” REALLY CONTRIBUTE TO THE SCIENCE OF ARCHAEOLOGY?****Room:** 324 (HCC)**Time:** 2:00 PM - 3:30 PM**Chairs:** Mathieu Leclerc and Christian Reepmeyer**Participants:**

- 2:00 Aymeric Hermann—Stone Tool Production Processes and Exchange in Central Polynesia: Geochemistry Applied to Archaeology  
2:15 Mathieu Leclerc—The Evolving Role of the Archaeologist in an Increasingly Science-Oriented Discipline: Contributions of a Provenance Study on Lapita Ceramic from Vanuatu  
2:30 Christian Reepmeyer—Modeling Social Interaction in the South-Western Pacific: A View from the Obsidian Sources in Northern Vanuatu  
2:45 Callan Ross-Sheppard and Melinda Allen—Social Differentiation and Obsidian Exchange: The Characterization and Sourcing of an Obsidian Assemblage from the Mussau Islands (ECA) by PXRF  
3:00 Scarlett Chiu, David Killick, Christophe Sand, Michael D. Glascock, and Yuh-chang Sun—Exchange Spheres Identified by Using Both Chemical Compositional and Petrographic Analysis: A Case Study from Six Lapita Sites of New Caledonia  
3:15 Rachel Popelka-Filcoff, Tiffany Reeves, Philip Jones, and Claire Lenehan—Differentiation of Binders in Aboriginal and European Painted Artefacts Using Pyrolysis Gas Chromatography Mass Spectrometry

**[182] POSTER SESSION ■ COLLECTIONS MANAGEMENT****Room:** Kamehameha Exhibit Hall III Foyer (HCC)**Time:** 2:00 PM - 4:00 PM**Participants:**

- 182-a Marybeth Tomka and Melissa Eiring—How Temperature and Humidity Fluctuations Can Control Your Life: A View from Inside an Archaeological Repository

- 182-b Maureen DaRos and Rebekah DeAngelo—Archaeology in the Archives: Rediscovery of a 1932 Connecticut Archaeological Site Map  
182-c Rhonda Bathurst and Kira Westby—Digital Tools for Archaeological Collections and Inventory Management  
182-d Christel Carlisle and Sharyn Jones—Archaeology after the Field: Appreciating and Restoring the University of Alabama at Birmingham's Collection  
182-e Krista Richardson-Cline and Jessica Normoyle—Curation Crisis: Changing the Way Archaeologists Work

**[183] POSTER SESSION ■ ARCHAEOOMETRY**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 183-a Lia Tarle, Dennis Sandgathe, and Mark Collard—Clothing and the Replacement of Neanderthals by Modern Humans  
183-b Carey Baxter, George Calfas, Anne Dain-Owens, Michael Hargrave, and Scott Tweddle—Detection of Historic Farmsteads in Modified Bare Earth LiDAR Imagery  
183-c Rebecca Twaroski, Catherine Carabajal, and William Whitehead—Four New Ceramic Standards for Use in Archaeometry  
183-d Meredith Wismer-Lanoë, Brooke Arkush, Matthew Hill, Emlyn Eastman, and François Lanoë—Exploring Late Prehistoric Subsistence Change at the West Fork Rock Creek Site (10Oa275), Idaho.  
183-e John Marston—Agricultural Adaptation to Highland Central Anatolia: New Data from the Iron Age City of Kerkene  
183-f Emily Hubbard—Chalcolithic Use of Dung as Fuel: Evidence from Tel Tsaf, Israel  
183-g Kimberley Russell—PXRF for Compositional Analysis of Early American Metalware  
183-h Jeff Rosentreter—Challenges of Fatty Acid Residue Analysis on Charcoal: Effects of Solvent Selection and Wood Species for the Effective Extraction and Quantification of Partition Coefficients  
183-i Reilly Jensen—Fortresses of Solitude? Investigating Iron Age Defensive Networks in South-Western Caucasia  
183-j Ursel Wagner, Frances M. Hayashida, Izumi Shimada, Werner Haeusler, and Friedrich E. Wagner—A Pre-Columbian Copper Smelting Furnace Studied by Mössbauer Spectroscopy and X-ray Diffraction  
183-k James Feathers—Luminescence Dating of Adobe in Coastal Peru  
183-l Zhen Qin—Studies of Iron Smelting Sites around Nanyang Basin during Warring States, Qin and Han Periods

**[184] POSTER SESSION ■ GEOARCHAEOLOGY AND GEOPHYSICS**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 184-a Steven De Vore—Magnetic Survey of the Mound City Group, Hopewell Culture National Historical Park, Ohio  
184-b Steve Copeland and Caitlin Sommer—Seeing the Unseen: Geophysical Testing Techniques on Basketmaker III Settlements  
184-c Amy Schott—Geoarchaeology and Dune Stability in Petrified Forest National Park  
184-d Lydia DeHaven—Expanding Basketmaker III Site Boundaries: Geophysics Use

- in Detecting Structures and Features  
184-e Paul White, Patrick Martin, and William Hedman—Hazardous Heritage: Assessing the Legacy of Abandoned Mines in Alaska's Fairbanks District  
184-f Mathew Fox, Jennifer Kielhofer, and Ye Wa—The Micromorphology and Site Formation of Yangshao Ash Deposits at Yangguanzhai: A Miaodigou Village in the Wei River Valley, China  
184-g Kimberly Macy, Ben Marwick, Becky Song Hanyu, Cyler Conrad, and Alex Mackay—Identifying Changes in Sediment Sources in Middle Stone Age Deposits Using ICP-AES at Klipfonteinrand, South Africa  
184-h Adrien Hilmy, Alissa Nauman, Nathan Goodale, and David Bailey—Measuring the Matrix: An Analysis of Elemental Composition in Cultural Sediments from the Slocan Narrows Pithouse Village, Upper Columbia River Drainage, British Columbia, Canada  
184-i Benjamin Davies—Modeling the Formation of Surface Archaeological Deposits in Western New South Wales, Australia

**[185] POSTER SESSION ■ COMPUTER APPLICATIONS IN ARCHAEOLOGICAL DATA MANAGEMENT AND MUSEUMS**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 185-a Penny Crook, Shawn Ross, Adela Sobotkova, and Brian Ballsun-Stanton—The Federated Archaeological Information Management System Project (Australia)  
185-b Summer Moore, Gina Farley, and Ashley Robinson—Digitizing Archaeology Collections at the Bishop Museum: A Case Study from the Nu'alolo Kai Site  
185-c Rebecca Mendelsohn—The Effectiveness of Low-Cost 3D Alternatives for Archaeology and Museums  
185-d Petr Kvetina—Virtual 3D Museum of Neolithic Culture

**[186] POSTER SESSION ■ SOURCING THE STONE: SEEKING THE SOURCE OF LITHIC MATERIALS**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM

**Participants:**

- 186-a David Bailey, Lyman Munschauer, Nathan Goodale, and Catherine Prescott—Building a Geologic Database of Potential Lithic Artifact Sources in the Upper Columbia River Drainage, British Columbia: Preliminary Results  
186-b Omar Rice, Omar Rice, Erik Wintz, and Sachiko Sakai—Application of Portable XRF to Investigate the Source of Obsidian Artifacts in Mt. Trumbull in the American Southwest  
186-c Angelina Sweeney, Candice Brennan, Hector Neff, and Barbara Arroyo—Material Provenance Study of a Formative Period Structure: Qualitative and Quantitative Analysis of Concrete and Sediment Samples from Kaminaljuyu, Guatemala  
186-d Gwyn Madden, Elizabeth Arnold, Jordan Karsten, and Stanley Ambrose—Using Isotope Analyses to Examine Origins of Agriculture and Neolithic Farmers in Western Ukraine

**[187] POSTER SESSION ■ INDIANA UNIVERSITY OF PENNSYLVANIA GRADUATE STUDENT RESEARCH: USING NEW TECHNOLOGY ON OLD SITES**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

**Time:** 2:00 PM - 4:00 PM  
**Chair:** Victoria Harding

**Participants:**

- 187-a Victoria Harding—Applications of ArcGIS at the Ripley Site
- 187-b Cory Meyers, Victoria Harding, Ryan Spittler, and Justin Daley—Rediscovering Dragoo
- 187-c Ryan Spittler—Locating the French and Indian War Era Native American Settlement at Aughwick Old Town
- 187-d Marion Smeltzer and Beverly Chiarulli—Practical Applications in Virtual Archaeology
- 187-e Justin Daley—The Development of Ship Construction in 19th Century Pittsburgh

**[188] POSTER SESSION ■ PRELIMINARY FINDINGS FROM THE DIGITAL INDEX OF NORTH AMERICAN ARCHAEOLOGY (DINAA) PROJECT**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM  
**Chair:** Joshua Wells

**Participants:**

- 188-a Joshua Wells, Stephen Yerka, David Anderson, DeMuth R. Carl, and Noack Myers Kelsey—Archaeology Is Data Coding or It Is Nothing: Relationships between State and Governmental Archaeological Site File Structures and Professional Definitions through the Digital Index of North American Archaeology (DINAA)
- 188-b Eric Kansa, Sarah W. Kansa, David G. Anderson, Stephen Yerka, and Joshua J. Wells—Web-Based Discovery and Integration of Site File Data: The Digital Index of North American Archaeology (DINAA)

**[189] POSTER SESSION ■ REIMAGINING NORTHERN PERSPECTIVES: INTERDISCIPLINARY RESEARCH THROUGH BROWN UNIVERSITY'S CIRCUMPOLAR LABORATORY**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM  
**Chair:** Kevin Smith

**Participants:**

- 189-a Douglas Anderson—The Circumpolar Laboratory at Brown University's Haffenreffer Museum of Anthropology: Past Achievements, Present Activities, Future Prospects
- 189-b Kevin Smith, Mehrdad Kiani, and Ebenezer Gay—Revealing the End of the World? 3D Imaging and Documentation of Surtshellir, a Unique Subterranean Viking Age Site in Iceland's Interior.
- 189-c Michele Smith—The Cloth I Wove (Tiddly Pom), Didn't Warm My Toes (Tiddly Pom) ... and So I Froze (Tiddly Pom) during the Little Ice Age: Climate Change and Textile Production during the Little Ice Age in Iceland and Greenland
- 189-d Thomas Urban, Kevin Smith, and Susan Herringer—Geochemically Tracking the Earliest European Explorers in North America: Investigations of a New Jasper Fire-Starter from L'Anse aux Meadows, Newfoundland
- 189-e Christopher Wolff and Thomas Urban—Reimagining/Reimaging Stock Cove: A Geophysical Survey of the Stock Cove Site, Newfoundland

**[190] GENERAL SESSION ■ MORTUARY STUDIES AROUND THE WORLD**  
**Room:** 317A (HCC)  
**Time:** 2:00 PM - 4:00 PM

**Chair:** Nigel Goring-Morris

**Participants:**

- 2:00 Nigel Goring-Morris and Leore Grosman—Tradition, Tradition, Tradition: Long-Term Continuity and Change in Funerary Practices from the Galilee, Israel  
2:15 Darcy Mathews—Funerary Ritual, Tradition, and Ancestral Presence: The Late Period Production of Power in the Salish Sea  
2:30 Krystal Hammond and Jennifer Thompson—Grave Reflections: Changes in Children's Burials at Non Nok Tha, Thailand (ca. 3000-200 B.C.)  
2:45 Stephanie King, Michael Rohrer, and Dane Magoon—A Comparative Analysis of Claggett (18PR40), Hatch (44PG51), and Claremont (44SY5) Ossuaries in Terms of Mortuary Practice  
3:00 Kimberly Williams and Lesley Gregoricka—3rd Millennium B.C. Mortuary Practices of Northern Oman: Placement and Use of Space in Mortuary Monuments  
3:15 Rona Ikehara-Quebral, Miriam Stark, William Belcher, Vouen Vuthy, and John Krigbaum—Biocultural Practices during the Transition to History at Angkor Borei, Cambodia  
3:30 Sharon DeWitte—The Demographic Effects of Medieval Plague: Mortality Risk and Survival in Post-Black Death London  
3:45 Alexander Christensen and Joseph Hefner—Clandestine Burials of U.S. Personnel in Dien Ban District, Vietnam

- [191] SYMPOSIUM ■ STRETCHING DISCIPLINARY BOUNDARIES: APPROACHES FOR STUDYING INTERSOCIETAL INTERACTION IN THE EASTERN MEDITERRANEAN AND NEAR EAST**  
**Room:** 323A (HCC)  
**Time:** 3:00 PM - 3:30 PM  
**Chairs:** Paul Kardulias and Joshua Cannon

**Participants:**

- 3:00 Joshua Cannon—A Model for Western Anatolian Cultural Influence in Greece  
3:15 Janling Fu—Longer-term Processes of State Formation in the Levant: The Case of Israel in the Iron Age II

- [192] FORUM ■ BEYOND THE EQUATOR (PRINCIPLES): COMMUNITY BENEFIT SHARING IN RELATION TO MAJOR LAND ALTERATION PROJECTS AND ASSOCIATED INTELLECTUAL PROPERTY ISSUES IN CULTURAL HERITAGE**  
**Room:** 319A (HCC)  
**Time:** 3:00 PM - 5:00 PM  
**Moderator:** John Welch

**Participants:**

- Elizabeth Bradshaw—Discussant  
Alvaro Higueras—Discussant  
Ian Lilley—Discussant  
Andrew Mason—Discussant  
Willem Willems—Discussant  
Joseph Ezzo—Discussant

- [193] SYMPOSIUM ■ FORENSIC ARCHAEOLOGY IN THE AMERICAS: DEFINITIONS, ROLES, EXPERIENCES, AND BEST PRACTICES**  
**Room:** 309 (HCC)  
**Time:** 3:00 PM - 5:00 PM

**Chair:** Dennis Dirkmaat

**Participants:**

- 3:00 Luis Cabo and Dennis Dirkmaat—Defining Forensic Anthropology  
3:15 Krista Latham and Stephen Nawrocki—Forensic Archaeology: Identifying Important Skill Sets for the Controlled Recovery of Human Remains in Outdoor Contexts  
3:30 Greg Olson—Human Remains Recovery in a Fatal Fire Setting Using Archaeological Methodology  
3:45 Scott Warnasch, Christopher Rainwater, and Christian Crowder—The Application of Archaeological Methods to Crime Scenes and Mass Disasters in New York City  
4:00 Eric Emery—The Role of Forensic Archaeology in the Development of Guidelines and Best Practices in Mass Disaster Scene Mapping and Recovery  
4:15 Hugh Tuller, Derek Congram, and Luis Fondebrider—Contemporary Mass Graves as Archaeological Features  
4:30 Luis Fondebrider, Miguel Nieve, Juan Nobile, Selva Varela, and Diego Argáñaraz—Archaeological Investigation of Mass Graves Containing Burned Remains  
4:45 Dennis Dirkmaat and James Adovasio—The Two Faces of Forensic Archaeology

**[194] SYMPOSIUM ■ BIOARCHAEOLOGY OF NORTHEAST ASIA**

**Room:** 323B (HCC)

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

**Chairs:** Angela Lieverse, Hitoshi Fukase, and Minoru Yoneda

**Participants:**

- 3:00 Rick Schulting, Julie Hamilton, Vladimir Bazaliiskii, Olga Goriunova, and Andrzej Weber—Untangling trophic levels? Stable Hydrogen and Nitrogen Isotope Studies at Lake Baikal  
3:15 Yasushi Shimoda, Hajime Ishida, Minoru Yoneda, Yuichi Naito, and Tomohito Nagaoka—Reconstruction of Life Activity and Subsistence in People of the Prehistoric Okhotsk Culture, Northern Japan  
3:30 Noboru Adachi, Ken-ichi Shinoda, Kazuo Umetsu, Osamu Kondo, and Yukio Dodo—Ethnic Derivation of the Hokkaido Ainu Inferred from Mitochondrial DNA data  
3:45 Andrea Waters-Rist, Vladimir I. Bazaliiskii, Andrzej W. Weber, Olga I. Goriunova, and M. Anne Katzenberg—Evaluating the Biological Discontinuity Hypothesis for Mid-Holocene Populations from Cis-Baikal, Siberia, Using Dental Non-Metric Traits  
4:00 Hitoshi Fukase, Masatomi Kudaka, Toshiyuki Tsurumoto, Masaki Fujita, and Hajime Ishida—Geographic Variation in Skeletal Limb Size and Proportions among Northeast/East Asian Populations  
4:15 Daniel Temple—Stress Chronology and Periodicity among Late/Final Jomon Period Foragers from Hokkaido  
4:30 Andrzej Weber—Understanding Middle Holocene Hunter-Gatherer Diets in Cis-Baikal, Siberia, Using the IsoSource Mixing Model  
4:45 Hugh McKenzie and Alexander Popov—Cranial Modification from the Boisman II Hunter-Gatherer Cemetery (~5300-6000 B.P.), Russian Far East

**[195] SYMPOSIUM ■ PACIFIC ETHNOGRAPHIES IN WORLD ARCHAEOLOGIES**

**Room:** 318A (HCC)

**Time:** 3:15 PM - 5:00 PM

**130**

**(HHV)=Hilton Hawaiian Village (HCC)=Hawaii Convention Center**  
**Friday Afternoon, April 5**

**Chairs:** Joy McCorriston and Julie Field

**Participants:**

- 3:15 Joy McCorriston—Historical Metaphors and Mythical Realities in Bronze Age World Systems  
3:30 Anna Browne Ribeiro—From Abstract Structures to Navigable Spaces: Re-considering the Use of Pacific Ethnographies in Amazonian Archaeology  
3:45 Julie Field—Fijian “House” and “Household”: Ethnographic Recollections and Implications for Residential Archaeology  
4:00 Boyd Dixon—The Role of Okinawan Ethnohistory and Ethnography in Understanding Pre-WWII Land Use and Settlement Patterns on Tinian, Commonwealth of the Northern Mariana Islands  
4:15 Ron Adams—Ethnoarchaeological Perspectives on the Social Dynamics of Livestock Use in Eastern Indonesia  
4:30 Kekuewa Kikiloi—Unraveling the “Mystery” of Nihoa and Necker Islands, Hawai‘i: Ethnohistorical and Archaeological Approaches in Studying Sociopolitical Transformation  
4:45 Matthew Spriggs—Discussant

**[196]**

**SYMPORIUM ■ EXPLORING THE DIFFERENCE: LITHIC INDUSTRIES ON NON-FLINT RAW MATERIAL**

**Room:** 305A (HCC)

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

**Chair:** Carlos Rodriguez-Rellan

**Participants:**

- 3:30 Kaoru Yonekura—Rock Properties and Material Selection and Utilization of Flaked Tools in Paleolithic Japan  
3:45 Carlos Rodriguez-Rellan and Ramón Fábregas Valcarce—Knapping beyond Flint: An Experimental Approach to Quartz and Slate Industries  
4:00 Helena Knutsson and Kjel Knutsson—Cognitive Tool Categories in Prehistoric Quartz Assemblages – The Analysis of Fracture Patterns and Use Wear in a Case Study of Stone Age Sites from Eastern Central Sweden  
4:15 Kjel Knutsson and Helena Knutsson—The Final Stage of the Postglacial Colonization of Fennoscandia, Regional Blade Technologies and the Use of Local Raw Materials  
4:30 Justin Kuenstle, Anna Marie Prentiss, Kristen Barnett, and Mathew Walsh—The Coarse Volcanic Rock Industry at Rio Ibanez 6, Aysén Region, Patagonian Chile  
4:45 Hugo Gabriel—Actualistic Observations on Some Non-flint-Like Materials from Southern South America

**[197]**

**GENERAL SESSION ■ CLASSIC MAYA POLITICS AND POWER**

**Room:** 323A (HCC)

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

**Chair:** Jeanne Lopiparo

**Participants:**

- 3:45 Jeanne Lopiparo—The Archaeology of Everyday Life at a Classic Maya Center, Chinikihá, Chiapas, Mexico  
4:00 Kimberly Salyers—Illuminating Social Landscapes: Unearthing Life of the Mayan Commoner through Household Excavation and Catchment Analysis  
4:15 Tatiana Young—Architecture and Its Reflection of State Organization and Settlement Pattern in the Cochuah Region during the Terminal Classic Period  
4:30 Sarah Kurnick—A Different View of Ancient Maya Politics: A Look at Political Strategies at the “Minor Center” of Callar Creek, Belize

- 4:45      Bianca Gentil and Brandon Lewis—The Realm of the Sacred at La Milpa:  
Materializations of Ideology

**[198]      GENERAL SESSION ■ PUBLIC ARCHAEOLOGY**  
**Room:** 317B (HCC)  
**Time:** 4:00 PM - 4:45 PM  
**Chair:** Dawn Rutecki

**Participants:**

- 4:00      Dawn Rutecki—Authenticity in the Public's Archaeological Imagination  
4:15      Teresa Moyer—Youth, Community Partnerships, and the Urban Archeology  
Corps  
4:30      Cheraki Williams—Louisiana's Continuing Education in Online GIS

**[199]      GENERAL SESSION ■ GEOARCHAEOLOGY**  
**Room:** 301B (HCC)  
**Time:** 4:00 PM - 4:45 PM  
**Chair:** Fred Nials

**Participants:**

- 4:00      Debora Kligmann and Veronica Williams—Contributions of Sedimentological  
Analysis to Discuss Site Functionality. A case study at Compuel, Salta Province,  
Northwest Argentina  
4:15      Jennifer Kielhofer—Geoarchaeological Investigations at Yangguanzhai, China:  
An Examination of Soil-Stratigraphic Sequences at a Middle Neolithic Site in the  
Wei River Valley  
4:30      Fred Nials—The Role of Piping in Abandonment of Prehistoric Agricultural Sites  
and Interpretation of Site Features

**[200]      SYMPOSIUM ■ LANDSCAPE AND EMPIRE IN THE CUSCO VALLEY**  
**Room:** 301A (HCC)  
**Time:** 4:00 PM - 5:00 PM  
**Chair:** Alexei Vranich

**Participants:**

- 4:00      Adam Stack—Landscape Continuity and Change at Hacienda Quispicanchis  
4:15      Mariusz Ziolkowski, Fernando Astete, Slawomir Swieciochowski, and Jacek  
Kosciuk—Astronomy in the Inca Capital: Between Wishful Thinking and Reality  
4:30      Stephen Berquist—Terraces All the Way Down: Ideology and Ontology in an  
Andean Agricultural Landscape  
4:45      Easton Anspach—Discussant

**[201]      GENERAL SESSION ■ ARCHAEOLOGY IN JORDAN**  
**Room:** 306B (HCC)  
**Time:** 4:00 PM - 5:00 PM  
**Chair:** Deborah Olszewski

**Participants:**

- 4:00      Kyle Knabb, Ian Jones, Thomas Levy, and Mohammad Najjar—New Evidence  
for Fatimid Period Rural Settlement in Southern Jordan  
4:15      Deborah Olszewski, Maysoon al-Nahar, Jason Cooper, Natalie Munro, and Bilal  
Khrisat—The Early Epipaleolithic at KPS-75, Western Highlands of Jordan  
4:30      Alan Farahani—Beyond Subsistence: Agricultural Production and Imperial

- 4:45      Intervention at Dhiban, Jordan, 1000 B.C.E.–1400 C.E.  
Abigail Buffington—Patterns of Plant Exploitation of an Iron Age Town: The  
Macrobotanical Remains of Khirbat al-Mudayna, Wadi ath-Thamad, Jordan

**Saturday Morning ■ April 06, 2013**

**[202] GENERAL SESSION ■ PRECOLUMBIAN MINING AND METALLURGY**

**Room:** 303B (HCC)  
**Time:** 8:00 AM - 9:15 AM  
**Chair:** Tao Li

**Participants:**

- 8:00 Francisco Garrido, Tao Li, Dong Li, and Wugan Luo—Mining Camps and Economic Strategies in the Atacama Desert during the Inca Times  
8:15 Tao Li, Tao Li, Francisco Garrido, Dongdong Li, and Wugan Luo—Scientific Investigation of the Inca Archaeological Materials from Chile's Atacama Desert: An Experience with Portable XRF Analyzer for In-Situ Chemical Analysis  
8:30 Dongdong Li, Tao Li, Francisco Garrido, and Wugan Luo—Comparative Study of Alloying Technology in Bronze Age North Chile and Central China  
8:45 Wugan Luo, Tao Li, Francisco Francisco, and Dongdong Li—A Portable XRF Investigation of Archaeological Materials from Two Inca Smelting Sites in Northern Chile's Atacama Desert  
9:00 Esteban Fernandez—Beyond the Gleam: A Multidisciplinary Study of Aztec Metallurgy

**[203] FORUM ■ BINDING THE CORD FOR A STRONGER HAWAI'I: HAWAIIAN TRANSFORMATIONS IN ARCHAEOLOGY AND CULTURAL RESOURCE MANAGEMENT**

**Room:** 309 (HCC)  
**Time:** 8:00 AM - 10:00 AM  
**Moderator:** Kekuewa Kikiloi

**Participants:**

- Kelley Uyeoka—Discussant  
Ty Tengan—Discussant  
Jason Jeremiah—Discussant  
Keoni Kuoha—Discussant  
Sean Naleimaile—Discussant  
Leon Peralto—Discussant  
Ruth-Rebeccalynne Aloua—Discussant  
Kehaunani Cachola-Abad—Discussant

**[204] POSTER SESSION ■ ARCHAEOLOGICAL METHOD**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 8:00 AM - 10:00 AM

**Participants:**

- 204-a Grace Cesario—Prehistoric Bone-Tool Production in Northwest Alaska  
204-b Dawn Crawford, Brigitte Kovacevich, and Amanda Thornton—Experimental Jade Polishing: Replication of Ancient Maya Techniques  
204-c Terry Joslin and Dustin K. McKenzie—Tackling Technologies: Exploring Fish Bone Gorge Tool Function in Coastal California  
204-d Jeremy Foin, Mark Grote, and Naoki Saito—Identifying Prehistoric Thule Inuit Architectural Traditions Using Laplacian Shape Analysis: Preliminary Results

**[205] POSTER SESSION ■ SCALE OF ANALYSIS: FROM REGIONS TO AGENTS, LONG DUREE**

**TO DIGITAL STRATA****Room:** Kamehameha Exhibit Hall III Foyer (HCC)**Time:** 8:00 AM - 10:00 AM**Participants:**

- 205-a Matt Mattes and Anna Antoniou—Region Perspectives on Prehistoric Wealth, Demography, and Village Life in the Middle Fraser Canyon, British Columbia  
205-b Karla Davis-Salazar and Zaida Darley—A Long-Term Perspective on Water Management at Palmarejo, Honduras  
205-c Jennifer Blagg, Anthony Graesch, and Christine Chung—Exploring Cultural Heritage with Digital Strata: An Application of Open-Source Mediated Reality (MR) in Southwestern British Columbia, Canada  
205-d Wendy Cegielski—Chiefdoms: An Agent-Based Model of Structural Elasticity, Inequality Formation, and Currency and Power Dynamics

**[206]****POSTER SESSION ■ LANDSCAPES AND SPATIAL ANALYSIS: GLOBAL CASE STUDIES****Room:** Kamehameha Exhibit Hall III Foyer (HCC)**Time:** 8:00 AM - 10:00 AM**Participants:**

- 206-a John Darwent, Owen Mason, John Hoffecker, and Christyann Darwent—Thule-Inupiaq Occupation of Cape Espenberg, Alaska: A Case of Horizontal Stratigraphy  
206-b Corey Cookson and Kisha Supernant—An Analysis of Site Selection Behaviors and Landscape Use in the Prince Rupert Harbour Area  
206-c Duncan McLaren—Uncovering Long-Term Archaeological Sequences and Landscapes on the Central Northwest Coast  
206-d Erin Hudson, Brian Schnick, Alice Roberts, and Leah Bonstead—Archaeological Predictive Modeling along the Lower Snake River, Washington  
206-e R. Kyle Bocinsky—The Defensive Coast  
206-f C. Stafford and Tiffany Grossman—Community Patterning at an Allison-LaMotte Village in the Lower Wabash Valley  
206-g Melody Hollinger—There's Gold in Them Thar Land Patents! How Homesteading Changed a Landscape: A Database of Land Patents for Areas Now Encompassed by NAWS, China Lake  
206-h Theodore Roberts and Shawn Fehrenbach—A Predictive Model of Prehistoric Site Locations at Fort Irwin, California  
206-i Daniel Sumner—Conflict on the Mesa: Assessing Defensibility of Plaza-Oriented Villages in the Salinas Pueblo Province, New Mexico  
206-j Amanda Landon—Archaeological Site Distribution in the Telegraph Flat and Fivemile Valley Areas of GSENM  
206-k Stefani Crabtree—Constructing Communities: Examining Household Aggregation in the American Southwest  
206-l Kevin Black—Landscape Use in the Pawnee Buttes Area, Colorado  
206-m Ben Curry—Toward a Landscape History of Wilder Ranch: An Archaeological and Historical Examination of the Social and Ecological Landscape Changes of a Nineteenth- to Twentieth-Century Ranch  
206-n Troy Lovata—Carved Aspen Trees and Mountain Trails in New Mexico and Colorado: Landscape Archaeology at Three Sites in the Southern Rocky Mountains  
206-o Paul Buck and Donald Sabol—Remote Sensing for Detection of Prehistoric Landscape Use in NW Arizona, U.S.A.  
206-p Dennis Lewarch—Ceramic Distribution Patterns among Aztec Period Houses, Coatlan del Rio Valley, Morelos, Mexico

**[207] POSTER SESSION ■ ENVIRONMENTAL ARCHAEOLOGY: FROM SETTLEMENTS TO SEDIMENTS**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 207-a Richard Terry, Eric Coronel, and Daniel Bair—Portable X-Ray Fluorescence for Elemental Analysis of Ancient Activity Area Soils and Floors  
207-b Dianna Doucette, Elizabeth Chilton, Katie Kirakosian, Evan Taylor, and David Foster—Evaluating the Drivers and Triggers of Ecosystem Dynamics: Disturbance, Climate, and People  
207-c Grant Snitker, Andrea Torvinen, and Rhian Stotts—Testing the Application of Adaptive Governance of Common Pool Resources: An Archaeological Perspective  
207-d Kelsey Lowe and Lynley Wallis—Understanding Magnetically Enhanced Sediments in a Sandstone Rockshelter in Northern Australia  
207-e Rebecca Rainville—Environmental Effects of the White River Tephra, Southern Yukon, Canada, and Their Implications for Human and Animal Populations in the Region: A High-Resolution, Multi-proxy Study  
207-f George Jones, Michael Cannon, and Charlotte Beck—Appraisal of the Younger Dryas Occupation of Smith Creek Cave, Nevada  
207-g Mike Cannon—Great Basin Hunter-Gatherer Subsistence, Settlement, and Labor Division: A Case Study from the Little Boulder Basin  
207-h Erin Chineiwicz—The Effects of Sea-Level Rise on Coastal Archaeology, A Case Study: Tolowa Dunes State Park, Del Norte County, CA  
207-i Gillian Edwards—Trans-Holocene Moisture Change in Northern Baja California: The Woodrat Assemblage from Abrigo de los Escorpiones  
207-j Jean Larmon, John G. Jones, and Hector Neff—The Pacific Coast of Guatemala: A Palynological Exploration of Population and Climate Change during the Middle and Late Formative Periods  
207-k Philip Nigst, Larissa Koulakovska, Vitaly Usik, Freddy Damblon, and Jean-Jacques Hublin—Exploring the Middle and Upper Palaeolithic of Western Ukraine

**[208] POSTER SESSION ■ LANDSCAPES AND SPATIAL ANALYSIS: GLOBAL CASE STUDIES II**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 208-a Willem VanEssendelft—The Road More Traveled: Paths and Spatial Relationships in the Aztec Empire  
208-b Gregory Luna Golya—Late Aztec Settlement and Agriculture on Lake Xochimilco: Integrating Archaeological Data and Historic Landscape Imagery in a GIS  
208-c Alex Kara—Total Station Mapping of Xultun, Guatemala  
208-d Eric Fries—GIS-Assisted Survey and Predictive Model Testing in Western Belize  
208-e Sean Stretton and Matthew Curtis—GIS Applications and Landscape Archaeology in the Gamo Boroda Highlands of Southwestern Ethiopia  
208-f Kristine Martirosyan-Olshevsky and Boris Gasparyan—Reconnaissance in the Arpa River Valley of southeastern Armenia  
208-g Yuichi Nakazawa, Akira Iwase, Masami Izuho, Toshiro Yamahara, and Minoru Kitazawa—An Evaluation of Site Occupation Intensity: Hearth-Centered Spatial Organization at the Upper Paleolithic Open-Air Site of Kawanishi C, Hokkaido, Japan

**[209] SYMPOSIUM ■ FIELD SCHOOLS AND THE 2010 SENATOR PAUL SIMON STUDY****ABROAD ACT****Room:** 312 (HCC)**Time:** 8:00 AM - 10:00 AM**Chair:** Ran Boytner**Participants:**

- 8:00 Ran Boytner—The Changing Dynamics of Archaeology Field Schools: Data from the Archaeological Institute of America (AIA), 2008-2012  
8:15 Katherine Adelsberger and Benjamin Porter—Are you Dhiban Strong? Designing, Promoting, and Managing a Middle Eastern Field School  
8:30 Maria Lozada—Fact vs. Fiction: The Romantic Image of Field Schools  
8:45 Barra O'Donnabhain—Americans Abroad: Providing Meaningful Archaeological and Cultural Experiences in an English-Speaking Destination  
9:00 Jennifer Perry—Field School Pedagogies: Agendas, Outcomes, and Adaptations  
9:15 Brent Lane and Brian Billman—More than Research and Teaching: Examining the Social and Economic Impacts of Archaeological Field Schools  
9:30 Rebecca Graff—Archaeological Field Schools as Global or as Local? A View from Chicago  
9:45 Jane Buikstra—Discussant

**[210] SYMPOSIUM ■ QUESTIONING PREVIOUS UNDERSTANDINGS OF ANCIENT MAYA COMMONERS, AGRICULTURE, AND POLITICAL ECONOMY: NEW INSIGHTS FROM CERÉN, EL SALVADOR****Room:** 316B (HCC)**Time:** 8:00 AM - 10:00 AM**Chair:** Christine Dixon**Participants:**

- 8:00 Christine Dixon—Questioning the Role of Manioc Agriculture and Farmer Autonomy: Agricultural Organization and Manioc Farming at Cerén, El Salvador  
8:15 Theresa Heindel and Céline Lamb—Heterogeneity in Maize Fields: New Evidence from the 2011 Cerén Field Season  
8:30 Alexandria Halmbacher—Wait Until You See What We Didn't Find: Interpreting Cleared Areas at Cerén, El Salvador  
8:45 Celine Lamb—Domestic Vegetated Spaces at Cerén, El Salvador: An Ethnoarchaeological Approach  
9:00 David Lentz, Christine Hoffer, and Angela Hood—The Lost World of the Zapotitan Valley: Cerén and Its Paleoecological Context  
9:15 Payson Sheets—What Was that Sacbe Doing at Cerén?  
9:30 Nan Gonlin—Discussant  
9:45 Geoffrey McCafferty—Discussant

**[211] SYMPOSIUM ■ REMEMBERING BERNARD WAILES: THE IMPORTANCE OF EUROPEAN LATER PREHISTORIC AND MEDIEVAL ARCHAEOLOGY FOR AMERICAN ANTHROPOLOGICAL ARCHAEOLOGY****Room:** 311 (HCC)**Time:** 8:00 AM - 10:30 AM**Chairs:** Pam Crabtree and Peter Bogucki**Participants:**

- 8:00 Peter Bogucki—"Disruptive Technologies" and the Transition to Agriculture in Northern and Western Europe  
8:15 David Anthony—Why Should Archaeologists Care about Language? Lessons from the Old World

- 8:30 Antonio Gilman—States in the Later Prehistory of the Iberian Peninsula?  
8:45 John Soderberg—Ceremonial Complexity: The Roles of Religious Centers in Ireland, from the Later Iron Age into the Early Medieval Period  
9:00 Susan Johnston—Dún Ailinne Then and Now  
9:15 Pam Crabtree—State Formation in Anglo-Saxon England  
9:30 Alan Stahl—Numismatic Evidence from Antioch for the Interaction of Europe and the East in the Crusader Period  
9:45 James Mathieu—Exploring Political Landscapes and Complexity One Year at a Time  
10:00 Elizabeth Ragan—The Ghosts of Kings: Sociopolitical Complexity and Ethnogenesis at the Edge of Europe  
10:15 Rachel Scott—Agricultural Innovation, Population Growth, and Human Health in Early Medieval Ireland

- [212] SYMPOSIUM ■ HUMAN NICHE CONSTRUCTION AS AN EVOLUTIONARY FRAMEWORK IN ANTHROPOLOGY**  
**Room: 319A (HCC)**  
**Time: 8:00 AM - 10:45 AM**  
**Chair: Gyoung-Ah Lee**

**Participants:**

- 8:00 Bruce Smith—Discussant  
8:15 Gary Crawford—Niche Construction in the Post-Pleistocene Lower Huanghe Valley of North China  
8:30 Melinda Zeder—Niche-Construction Theory and the Broad Spectrum Revolution  
8:45 Peter Bleed and Daniel Osborne—Searching Lithic Technology and the Complex Control of Food for the Roots of Human Niche Construction  
9:00 Marcus Feldman—Cultural Niche Construction and Its Consequences  
9:15 Q&A  
9:30 Douglas Bird, Rebecca Bliege Bird, and Brian Codding—Aboriginal Australians as trophic Regulators: Fire, Hunting, and Niche Construction in the Western Desert of Australia  
9:45 Josh Snodgrass and William Leonard—Effects of Social and Environmental Change on the Biology and Health of Contemporary Human Populations: A View from Siberia  
10:00 Yan Pan—Aquatic Ecology, Anthropogenesis, and Resource Production in the Lower Yangzi Region during 10,000-6,000 B.P.  
10:15 Gyoung-Ah Lee—Niche Construction through Cultivation in Prehistoric Korea: Engineering Environmental and Cultural Landscapes  
10:30 Julien Riel-Salvatore—Discussant

- [213] SYMPOSIUM ■ SPECIALIZATION, INTENSIFICATION, AND DIVERSIFICATION IN NORTHWESTERN BELIZE**  
**Room: 314 (HCC)**  
**Time: 8:00 AM - 11:15 AM**  
**Chairs: Marisol Cortes-Rincon and Sarah Nicole Boudreux**

**Participants:**

- 8:00 Timothy Beach, Timothy Beach, Sheryl Luzzadder-Beach, Nicholas Brokaw, and Stanley Walling—Wetland Field Systems at Chan Cahal, Chawak, and Ojos de Agua Northwestern Belize  
8:15 Jeff Bryant—Soil Conservation and Capital: Building Testable Methods for Measuring Social Stratification in Soil Chemistry  
8:30 Sheryl Luzzadder-Beach, Timothy Beach, Nicholas Brokaw, Stanley Walling,

- and Jonathan Flood—Hydrological Investigations of the La Milpa, Dos Hombres, and Chawak But'ob Archaeological Sites  
9:00 Walter Beckwith—Obsidian Distribution and Diversity: A Geochemical Analysis of Obsidian Artifacts from Northwestern Belize  
9:15 Adam Forbis and Jeff Bryant—Lithic Overview of the Dos Hombres to Gran Cacao Archaeology Project  
9:30 Kyle Ports—Stepping into the Underworld: Preliminary Analysis of Cave Investigations at the Dos Hombres to Gran Cacao Archaeological Project (DH2GC)  
9:45 Nicole Chenault, Sarah Nicole Boudreaux, Melanie Sparrow, and Ty Swavely—Necessary Control: Exploring the Manufacturing, Utilization, and Control Methods of Natural and Artificial Water Management Features through Excavation Results of an Ancient Maya Site within the Dos Hombres to Gran Cacao Archaeology Project, Northwestern Belize  
10:00 Michael Brennan—Application of Low-Field Magnetic Susceptibility to Plaster Floors in Excavation Profiles at Maya Sites in the Three Rivers Region, Belize  
10:15 Lindsey Moats and Sarah Nicole Boudreaux—Powerful Landscapes: A Glimpse of an Elite Settlement on the Dos Hombres to Gran Cacao Archaeology Project  
10:30 Sarah Nicole Boudreaux—Life on the Edge: New Perspectives, Thoughts, and Future Research Ideas about the Ancient Maya Hinterland in Northwestern Belize  
10:45 Marisol Cortes-Rincon, Marisol Figueroa, and Ty Swavely—Settlement Hierarchies, Population Estimates, Resource Specialization, and Political Complexity: Dos Hombres to Gran Cacao Archaeology Project (DH2GC)  
11:00 Robert Gustas—Dos Hombres to Gran Cacao – A Geospatial Habitation Suitability Analysis

**[214] SYMPOSIUM ■ APPROACHING A SYNTHESIS OF NASCA SOCIETY: RECENT RESEARCH ON THE PERUVIAN SOUTH COAST**  
**Room: 317A (HCC)**  
**Time: 8:00 AM - 11:30 AM**  
**Chairs: Stefanie Bautista and Verity Whalen**

**Participants:**

- 8:00 Larry Lopez, Kazutaka Omori, Masato Sakai, Giuseppe Orifeci, and Minoru Yoneda—Impact of Past Climate Variability on Human Activities in Nasca, Peru  
8:15 Hendrik Van Gijsegem and Stefanie L. Bautista—Changing Hydrological Conditions on the South Coast of Peru: Implications for Agricultural Practices and Sociopolitical Organization in the First Millennium A.D.  
8:30 Johny Isla and Markus Reindel—Proto-Nasca, Nasca Inicial o Topará? en la formación de la sociedad Nasca  
8:45 Charles Stanish and Henry Tantaleán—Recent Research on the Paracas and Carmen Occupations of the Chincha Valley  
9:00 Stefanie Bautista and Lisseth Rojas Pelayo—The Reuse of Space and Place during the Paracas-Nasca Transition: The case of Uchuchuma, Aja Valley, Peru  
9:15 Markus Reindel and Johny Isla—Coast-Highland Interaction of the Nasca Society in the Palpa Region, South of Peru  
9:30 Meghan Tierney—Representation of the Body in Nasca Sculptural Ceramics  
9:45 Verity Whalen and Luis Manuel González La Rosa—What Came before Wari: Late Nasca Interregional Interaction and Community Politics  
10:00 Deborah Spivak—Were the Nasca “Nasca” in the Middle Horizon?  
10:15 Christina Conlee—Re-evaluating Nasca Society in the Southern Drainage: A Perspective from the Site of La Tiza  
10:30 Masato Sakai, Jorge Olano, Yoichi Watanabe, and Isao Akojima—Human

- Activities from the Late Paracas to Inca Period at the Pampas de Nasca,  
Southern Coast of Peru  
10:45 Kevin Vaughn, Jelmer Eerkens, Carl Lipo, and Sachiko Sakai—It's about Time?  
Evaluating the Dawson Seriation in Nasca Using Luminescence Dating  
11:00 Katharina Schreiber—Discussant  
11:15 Q&A

- [215] SYMPOSIUM ■ MODELING THE IMPACT OF ENVIRONMENTAL VARIABILITY ON HOMININ DISPERSALS**  
**Room:** 305A (HCC)  
**Time:** 8:00 AM - 11:45 AM  
**Chairs:** Ariane Burke and Matt Grove

**Participants:**

- 8:00 Richard Potts—Alternating High- and Low-Climate Variability Provided a Context for Variability Selection in Pleistocene East Africa  
8:15 Susan Anton and J. Josh Snodgrass—Greener Pastures? Climate Variability and Dispersals in Early Homo  
8:30 Martin Trauth—Human Evolution in a Variable Environment: The Amplifier Lakes of Eastern Africa  
8:45 Gabriele Macho—Moving west – the Dispersal of *A. afarensis*  
9:00 Matt Grove—Periods of Reduced Environmental Variability May Act as Windows for Hominin Dispersal  
9:15 Kaye Reed and Jason Kimilar—Using Mammals to Understand Dispersal Patterns of Hominins in the African Plio-Pleistocene  
9:30 Jordi Agustí and Hugues-Alexandre Blain—Climate Dynamics and Early Human Dispersal Out of Africa  
9:45 Geoff Bailey, Geoffrey King, Maud Devès, Robyn Inglis, and Matt Williams—Dynamic Landscapes as Agents of Human Evolution and Dispersal  
10:00 Ariane Burke, Masa Kageyama, Patrick James, Levavasseur Guillaume, and Guiducci Dario—The impact of Climate Variability on the Spatial Distribution of Human Populations during the Last Glacial Maximum  
10:15 Paul Valdes, Masa Kageyama, and Ariane Burke—Modeling Climate Variability and the Impact on the Iberian Peninsula  
10:30 Fabio Silva and James Steele—New Numerical Approaches to Modeling Hunter-Gatherer Geographical Range Dynamics  
10:45 Colin Wren, Andre Costopoulos, and Ariane Burke—Putting (Hominin) Thought into Hominin Dispersal  
11:00 Andy Shuttleworth—The Silver Age – Neanderthal Foraging and Social Behaviors in MIS-3  
11:15 Rene Bobe, Amelia Villaseñor, David Patterson, and Andrew Du—Geographic and Temporal Variation in Plio-Pleistocene East African Mammals  
11:30 Chris Stringer—Discussant

- [216] SYMPOSIUM ■ TECHNOLOGY IN SOUTHWEST CHINA AND SOUTHEAST ASIA I: THE ORIGINS, SPREAD, AND DEVELOPMENT OF METAL PRODUCTION IN SOUTHWEST CHINA, SOUTHEAST ASIA, AND BEYOND**  
**Room:** 324 (HCC)  
**Time:** 8:00 AM - 11:45 AM  
**Chair:** Anke Hein

**Participants:**

- 8:00 Kazuo Miyamoto—Reconsidering Modes of Contact between the Northern Chinese Bronze Culture and Those of Southwest China – The Crescent-Shaped

- 8:15 Exchange Belt Reconsidered  
Anke Hein—The Special Case of Yanyuan: Steppe Influences, Southern Contacts, and Local Particularities as Reflected in a Bronze Assemblage from Southwest Sichuan
- 8:30 Giovanni Massa, Marcos Martinon-Torres, and Mark Aldenderfer—Chemical Compositions and Technological Traditions: A Study of Funerary Metal Artefacts from Samdzong (Upper Mustang, Nepal, c. 400-600 C.E.)
- 8:45 Francis Allard—The timing, Nature, and Sociopolitical Dimensions of Early Bronze Metallurgy in Southeast China
- 9:00 Richard Ehrich—The Sanxingdui Hoards – Representatives of a Systematic Deposition Practice?
- 9:15 WengCheong Lam—Trade, Market-Exchange, and Iron Artifacts in the Xinanyi (Southwestern Barbarians) Societies
- 9:30 TzeHuey Chiou-Peng—The Emergence of Copper-Based Metallurgy in Prehistoric Southeast Asia: Current Studies and Issues
- 9:45 Joyce White—Where Did the Early Bronze Technology in Thailand Come from?
- 10:00 Hsiao-chun Hung—The Emergence of Metal Age in Taiwan and Its Relation with Southeast Asia
- 10:15 Ambra Calo—Bronze, Copper, and Gold from the Metal Age Sites of Sembiran and Pacung, Bali, Indonesia: Exchange and Local Production
- 10:30 Peng Peng—Was the Lost-Wax Casting Practiced in the Bronze Age China? A Case Study of the Rim Openwork Appendage of the Bronze Zun-Pan Set in the Tomb of Marquis Yi of Zeng
- 10:45 Masanari Nishimura—Early Bronze Casting and Its Cultural Impact of the Prehistory in Northern Vietnam
- 11:00 Vincent Pigott—Discussant
- 11:15 Alison Carter—Discussant
- 11:30 Q&A

**[217] GENERAL SESSION ■ ANALYZING SUBSISTENCE, MOBILITY, AND HEALTH****Room:** 323C (HCC)**Time:** 8:00 AM - 11:45 AM**Chair:** Mark Collard**Participants:**

- 8:00 Renato Kipnis and Pedro Da-Gloria—Paleodietary Patterns among Early Foragers in Lowland South America
- 8:15 Victoria Stosel—An Examination of Shellfish Utilization on San Nicolas Island, California
- 8:30 Kristina Kornblatt—Reexamining the Role of Marine Fish in the Lowland Maya Diet
- 8:45 Clarissa Cagnato—Integrating Macro- and Microbotanical Remains to Reconstruct Ancient Maya Plant Use in Northwestern Petén, Guatemala
- 9:00 Christian Gates St-Pierre and Robert Thompson—Phytolith Evidence of Maize Consumption during the Middle Woodland Period in Southern Quebec
- 9:15 Lana Martin—Modeling Political Organization and Food Production in Middle-Range Societies: A Case Study from Panamá
- 9:30 Russell Greaves—Ethnoarchaeological Observations of Resource Tradeoffs: Using Pumé Savanna Hunter-Gatherer Subsistence Choices to Model Archaeological Diets
- 9:45 William Pestle, Christina Torres-Rouff, Mark Hubbe, Francisco Gallardo, and Gonzalo Pimentel—Moving Food, Moving People: Regional and Local Patterns of Dietary Variation in the Formative Period Atacama Desert, Northern Chile
- 10:00 Bradley Newbold—Addressing Diet Variability via Bayesian Multi-source Isotope

	Mixing Models
10:15	Karen Privat, Shawn Ross, Adela Sobotkova, and Victoria Russeva—Palaeodietary Analysis of Bronze Age Human Remains from Boyanovo, Bulgaria
10:30	Laura Weyrich, Christina Alder, Keith Dobney, Alan Walker, and Alan Cooper—Ancient Dental Calculus Reveals Shifts in the Human Oral Microbiome
	Corresponding with Neolithic Farming and the Industrial Revolution
10:45	April Nowell and Melanie Lee Chang—How to Make Stone Soup: Paleolithic Archaeology and the “Paleo Diet”
11:00	Mark Collard, April Ruttle, Briggs Buchanan, and Michael O’Brien—Population Size and Cultural Evolution in Non-industrial Food-Producing Societies
11:15	William Jerrems, John Dudgeon, and Clayton Meredith—Testing the Extinction Paradigm: Evidence of Tool Manufacture from Extinct Megafauna at the End of the Younger Dryas
11:30	Lynn-Marie Wieland—Fishing Tools at Richardson Park

**[218] SYMPOSIUM ■ SOCIAL IDENTITY IN FRONTIER AND BORDERLAND COMMUNITIES OF THE NORTH AMERICAN SOUTHWEST**  
**Room: 317B (HCC)**  
**Time: 8:00 AM - 12:00 PM**  
**Chairs:** Karen Harry and Sarah Herr

**Participants:**

8:00	Karen Harry, Nathan Harper, and James Watson—Shaping Cultural Identity on the Western Frontier of the Puebloan World
8:15	Aaron Woods and Ryan Harrod—Fremont? Virgin Branch Puebloan Farmers? Or Something in Between? A Cross-Cultural Analysis of Material Culture and Human Remains from Parowan Valley, the St. George Basin, and the Moapa Valley
8:30	Lewis Borck—They Sought a Country: Gallina Resistance and Identity in the New Mexican Highlands
8:45	Severin Fowles—On Pueblo Emergence
9:00	Nicholas Damp and Catherine Cameron—Negotiating Identity on the Frontiers of the Chacoan World
9:15	Matt Peebles—Social Networks and Material Diversity in Population Centers and Frontiers: An Example from the Chaco World
9:30	Kellam Throgmorton—Pit House Architecture and the Expression, Creation, and Maintenance of Social Identity in the Puerco Valley, A.D. 600-900
9:45	April Peters and Bern Carey—Social Identities in the Deadman's Wash Frontier Zone North of Flagstaff, Arizona
10:00	Patricia Gilman—Different but Stable Peripheries in the Mimbres Region of Southwestern New Mexico
10:15	Myles Miller—A Millennium of Identity Formation and Maintenance in the Jornada Mogollon Region
10:30	Linda Gregonis—When the Frontier Is the Center: Social Identity in the Tucson Basin
10:45	Sarah Herr and Jeffery Clark—Building Houses and Constructing Identities on the Edge of the Hohokam World
11:00	Lauren Jelinek—Negotiating Identity in the Wake of Contact: Protohistoric Peoples on the Northwestern Spanish Frontier
11:15	Katherine Spielmann—Discussant
11:30	Catherine Fowler—Discussant
11:45	Q&A

**[219] SYMPOSIUM ■ ENVIRONMENTAL CHANGE AND PAST HUMAN RESPONSES: HUMAN-ENVIRONMENTAL INTERACTIONS INSCRIBED ON THE SKELETON****Room:** 301B (HCC)**Time:** 8:00 AM - 12:15 PM**Chairs:** Sian Halcrow and Gwen Robbins Schug**Participants:**

- 8:00 Charlotte Roberts, Sarah Groves, Darren Groke, and Geoff Nowell—Does Migration in Life Affect your Health? Stable Isotope and Palaeopathological Analysis of People Buried at Early Medieval Bamburgh, Northumberland, England
- 8:15 Kate Domett, Caitlin Evans, Nancy Tayles, and Nigel Chang—The Influence of Socio-Cultural Change on Osteoarthritis in Prehistoric Ban Non Wat, Thailand
- 8:30 Sian Halcrow, Nathaniel Harris, and Nancy Tayles—Endocranial Lesions in Infants and Children from Prehistoric Southeast Asia: Evidence for a Decline in Health with the Intensification of Rice Agriculture
- 8:45 Angela Clark, Nancy Tayles, and Siân Halcrow—Sexual Dimorphism and Environmental Change in Prehistoric Southeast Asia
- 9:00 Chin-hsin Liu and John Krigbaum—Population Dietary Diversity and Individual Life History of Late Metal Age Central Thailand
- 9:15 Benjamin Valentine and John Krigbaum—Aridity, Residence, and Resource Use: Stable Isotope Data from Indus Civilization Human Remains
- 9:30 Gwen Robbins Schug—Climate Change, Social Suffering, and Collapse: A View from Harappa
- 9:45 Ryan Harrod and Debra Martin—Climate and Conflict in the American Southwest: Bioarchaeological Analysis of the Relationship between Environmental Change and Interpersonal Conflict and Violence
- 10:00 Rachel Scott and Judith Littleton—An Investigation of Diet and Paleoenvironmental Change in Egypt ca. 4200 B.P. Using Dental Microwear Texture Analysis
- 10:15 Lana Williams, Sandra Wheeler, and Toshia Dupras—Solar or Social? The Seasonal Birthing Cycle of Kellis 2 Cemetery, Dakhleh Oasis, Egypt
- 10:30 Ekaterina Pechenkina and Xiaolin Ma—The Consequences of the Mid-Holocene Climatic Optimum and Subsequent Cooling for Human Health in China's Central Plains
- 10:45 Jo Ann Sakaguchi—Biological Adaptations to Environmental Stresses in the Minatogawa Fossils from Okinawa, Japan
- 11:00 Angela Lieverse, Vladimir Bazaliiskii, Olga Goriunova, and Andrzej Weber—Lower Limb Activity in the Cis-Baikal: Enthesal Changes among Middle Holocene Siberian Foragers
- 11:15 Jessica Metcalfe and Fred Longstaffe—Paleoenvironments of the Great Lakes Region Inferred from Stable Isotope Analysis of Mammoths and Mastodons: Implications for Clovis People
- 11:30 Hallie Buckley, Jean Christophe Galipaud, Truman Simanjuntak, Sian Halcrow, and Rebecca Kinaston—The possible Influences of Ecology in Island SE Asia and Oceania on Human Health during Austronesian Settlement
- 11:45 Judith Littleton, Melinda Allen, Gina MacFarlane, and Hannah Cowie—Humans and Other Animals: Environmental Change in the Marquesas
- 12:00 Michele Toomay Douglas, Michael Pietruszewsky, Marilyn K. Swift, Randy A. Harper, and Michael A. Fleming—Geographical Influences on Health in Ancient Mariana Islanders

**[220] GENERAL SESSION ■ SOCIO-CULTURAL IMPLICATIONS OF LITHIC PATTERNING**  
**Room:** 323A (HCC)

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

**Chair:** Briggs Buchanan

**Participants:**

- 8:15 Lisa Fontes, Lawrence Straus, and Manuel González Morales—Spatial Distributions of Lithic Artifacts in the Lower Magdalenian Levels of El Mirón Cave, Cantabria, Spain  
8:30 Sean Lynch—Portable-XRF Characterization of Archaeological Obsidian from the Middle Jomon and Okhotsk Periods on Rebun Island, Hokkaido, Japan  
8:45 Michelle Lau, Dan Contreras, Nico Tripcevich, and Yuri Cavero —What to Make with So Much Obsidian?  
9:00 Fernanda Neubauer—Playing with Projectile Points: Umbu Childhood Flintknapping Imitation in Southern Brazil  
9:15 Amy Gusick—Patterns of Lithic Reduction and Mobility during the Early Holocene on Santa Cruz Island, California  
9:30 Guadalupe Sanchez Miranda and John Carpenter—The Distribution and Quantity of Clovis, Folsom, and Plainview Points and Sites: An Update and Critical Review of the Peopling of Mexico  
9:45 Marvin Kay—Neolithic and Later Arrowheads from the Balkans  
10:00 Briggs Buchanan, Mark Collard, and Michael O'Brien—Spatial Variation in the Shape of Clovis Points: A Geometric Morphometric Approach

**[221] SYMPOSIUM ■ IDENTITY AND HERITAGE: CONTEMPORARY CHALLENGES IN A GLOBALIZING WORLD**

*(Sponsored by SAA, SAA Heritage Values Interest Group, ICOMOS International Scientific Committee on Archaeological)*

**Room:** 306B (HCC)

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

**Chairs:** Peter Biehl and Christopher Prescott

**Participants:**

- 8:15 Douglas Comer—Identity and Archaeology as Public Good  
8:30 David Guilfoyle—Discussant  
8:45 Sarah Tate—Bad Blood: An Examination of the Role of Federal Recognition and NAGPRA on American Indian Identity  
9:00 James Zeidler—Presenting Archaeological Heritage: Identity and Interpretation in Heritage Tourism Development and Marketing  
9:15 John Peterson—Co-opted Heritage: Political Action, Identity, and Preservation at the Pagat Site, Guam  
9:30 Jennifer Campbell—Heritage Goes Viral: Internet Communication Technologies and the Production, Consumption, and Authentication of the Past  
9:45 Krish Seetah, Saša Caval, and Diego Calaon—Heritage, Identity, and Pluralism: My Culture, Your culture, Our Culture  
10:00 Peter Dawson, Margaret Bertulli, Lyle Dick, and Lynn Cousins—Heritage Overlooked and under Threat: Fort Conger and the Heroic Age of Polar Exploration  
10:15 Ronald Williamson and Robert MacDonald—Echos of the Iroquois Wars: Contested Heritage and Identity in the Ancestral Homeland of the Huron-Wendat  
10:30 Manuel Gandara—Heritage Interpretation as a Conservation Tool in Mexican Archaeology: Theory and Practice  
10:45 Margaret Comer—Ancient Bodies, Modern Ideologies – Bog Bodies and Identity in Denmark and Ireland  
11:00 Jun Sunseri—Run Over by the Information Super Highway in Eastern California

**[222] SYMPOSIUM ■ BEFORE BERINGIA: ARCHEOLOGICAL EVIDENCE AND LATE PLEISTOCENE POPULATION DYNAMIC IN CENTRAL AND NORTHEAST ASIA****Room:** 318A (HCC)**Time:** 8:15 AM - 11:30 AM**Chairs:** Nicolas Zwyns, Damien Flas, and Bence Viola**Participants:**

- 8:15 Damien Flas, Ksenia Kolobova, Dimitri Vandenberghe, and Konstantin Pavlenok—Middle Palaeolithic Blade Industries and Early Upper Palaeolithic with Carinated Bladelet Cores: New Data from Kulbulak (Uzbekistan)
- 8:30 Andrey Krivoshapkin and Kseniya Kolobova—The Upper Paleolithic Site of Dodekatym-2 (Uzbekistan)
- 8:45 Bence Viola—Geographic Clines in Neanderthal Morphology – the Central Asian Evidence
- 9:00 Michelle Glantz, Tyler Beeton, and Katharine Horton—Place and Space in Late Pleistocene Central Asia: Epistemological Constraints on Reconstructing Hominin Population Structure
- 9:15 Liudmila Lbova—Technological Traditions and Innovations in Primitive Art Siberia (Early Upper Paleolithic stage)
- 9:30 Masami Izuho, Hirotaka Oda, Ian Buvit, Mikhail V. Konstantinov, and Sergei G. Vasil'ev—New AMS 14C Ages for the Upper Paleolithic Site of Tolbaga in Southwestern Transbaikal (Russia)
- 9:45 Karisa Terry, Ian Buvit, and Mikhail V. Konstantinov—Technological Innovation or Dispersion? Transmission of Upper Paleolithic Core Reduction in the Transbaikal, Russia
- 10:00 Nicolas Zwyns—IUP United: Toward the Definition of a Sibero-Mongol Initial Upper Paleolithic technocomplex
- 10:15 Christopher Gillam, Sergei Gladyshev, Andrei Tabarev, B. Gunchinsuren, and John W. Olsen—Modeling Paleolithic Landscapes of Northern Mongolia
- 10:30 Seonbok Yi—Blade Industry at Rashaan Khad, Eastern Mongolia
- 10:45 Qiaomei Fu, Matthias Meyer, Xing Gao, Janet Kelso, and Svante Pääbo—DNA Analysis of an Early Modern Human from China
- 11:00 Christopher Morgan, Loukas Barton, Robert Bettinger, Mingie Yi, and Dongju Zhang—Behavioral Evidence for the Arrival (or Inception) of Modern Human Behaviors in Northwestern China during the Late Pleistocene
- 11:15 Fei Peng, Xing Gao, Huimin Wang, Fuyou Chen, and Shuwen Pei—Emergence of Late Palaeolithic in China: An Technological and Cognitive Perspective

**[223] SYMPOSIUM ■ UP CLOSE AND PERSONAL: GENDERED MATERIALITIES AND THE COMPLEXITY OF SITUATED KNOWLEDGE IN THE EVERYDAY LIFE****Room:** 325 (HCC)**Time:** 8:30 AM - 11:45 AM**Chairs:** Kimberly Kasper and Susan Kus**Participants:**

- 8:30 Susan Kus—Intimate Landscapes Past and Present: Common Sense/Knowledge, Poetic Deliberation, and Political Propaganda in Central Madagascar
- 8:45 Peter Schmidt—Emerging Female Subaltern Histories in Tanzania: An Unforeseen Consequence of the HIV/AIDS Epidemic
- 9:00 Victor Raharijaona—“Dirty” politics and “earthy” poetics: Grounded Subsistence and Grounds for Resistance in the Highlands of Madagascar in the 19th Century
- 9:15 Nancy Highcock—The Royal Tombs at Nimrud: Jewelry and Status in the Afterlife of the Neo-Assyrian Queens

- 9:30 Kathleen Bragdon—The Trope of Conspicuous Consumption in Native Southern New England: Dress and Gendered Performance among 17th Century Ruling Elites  
9:45 Kimberly Kasper—Daily Practice of “Hidden Harvests”: Post-Columbian Gender Dynamics and Traditional Ecological Knowledge in Southeastern New England  
10:00 Jason Mancini—(Re)Collecting New England’s Indian Whalemen  
10:15 Milton Moreland and Kimberly Kasper—Living “In High Cotton”: Women Plantation Owners in Antebellum West Tennessee  
10:30 Deborah Rotman—Material Engagements and Social Encounters: Gendered Life in the Irish Immigrant Enclave of Beaver Island, Michigan, 1856-1903  
10:45 Kelly Jenks—Considering Gender in a Nineteenth-Century Hispanic New Mexican Village  
11:00 Rita Wright—Discussant  
11:15 Sarah Nelson—Discussant  
11:30 Q&A

**[224] SYMPOSIUM ■ ADVANCES IN GEOARCHAEOLOGY**  
(Sponsored by Geoarchaeology Interest Group)  
**Room:** 318B (HCC)  
**Time:** 8:30 AM - 12:00 PM  
**Chair:** Melissa Goodman-Elgar

**Participants:**

- 8:30 David Wright, Jeong-heon Choi, Jessica Thompson and Elizabeth Gomani-Chindebu—OSL Dating of Landscape Change and Human Evolution in Northern Malawi  
8:45 Christopher Ames, Carlos E. Cordova, April Nowell, James T. Pokines, and Michael S. Bisson—Hominin Occupation and Landscape Evolution at the Druze Marsh Site in Northeast Jordan  
9:00 Rolfe Mandel—The Application of Geoarchaeological Methods in the Search for Pre-Clovis Sites in the Central Plains of North America  
9:15 F. Scott Worman, Patrick Hogan, and Alexander Kurota—Burned and Blown Away: Hearth-Mound Sites at White Sands National Monument  
9:30 Don Butler and Peter Dawson—Clarifying Hunter-Gatherer Site Structures using Fourier Transform Infrared Spectroscopy: A Case Study from a Taltheilei Settlement in the Canadian Sub-Arctic  
9:45 Elizabeth Truman, Melissa Goodman-Elgar, John Dorwin, Stan Gough, and Nancy Stenholm—Exploration of Geoarchaeological Methods for Occupation Sites In the Pacific Northwest  
10:00 Q&A  
10:15 Anthony Barham, Philip Hughes, Marjorie Sullivan, Susan O’Connor, and Patrick Faulkner—Geoarchaeological Advances in Identifying Shell “Scatters” as Middens Located on Tropical Shorelines Influenced by Catastrophic Marine Inundation Events (Cyclones and Tsunamis)  
10:30 Astolfo Araujo, Aldo Malagó, Olivia Ricci, and Felipe Sabatelau—Microartifacts Redux: What Happened with the Potential for Site Discovery?  
10:45 William Nanavati, Rachel Sullivan, Nichole Bettencourt, Louis Fortin, and Melissa Goodman-Elgar—Characterizing Tropical Anthrosols by Laser Diffraction Particle Size Analysis  
11:00 Nichole Bettencourt—Techniques for South American Mudbrick Analysis  
11:15 Susan Mentzer—Approaches to Integrating Multiple Geoarchaeological Analytical Methods in the Study of Archaeological Features  
11:30 Christopher Miller—Deposits as Artifacts: Using Microfacies Analysis to Interpret Intrasite Settlement Dynamics

- 11:45 Scott Pike and Jordan Loos—The Use of pXRF on In-Situ Floor Deposits to Interpret Activity Areas within Monumental-Scaled Structures at the Ness of Brodgar at UNESCO's Heart of Neolithic Orkney World Heritage Site, Orkney, Scotland

- [225] SYMPOSIUM ■ PUSHING PASTORAL BOUNDARIES: PATTERNS AND PARTICULARS IN PASTORAL/NON-PASTORAL RELATIONSHIPS**  
**Room:** 306A (HCC)  
**Time:** 9:00 AM - 11:30 AM  
**Chairs:** Lynne Rouse and Helina Woldekiros

**Participants:**

- 9:00 Steven Rosen—The Pastoral Nomadic Edge  
9:15 Elena Garcea—Pushing Non-Pastoral Boundaries: Relationships between Pastoralists and Non-Pastoralists in Upper Nubia, Sudan  
9:30 Lynne Rouse and Katherine Grillo—A Line in the Sand: Production and Technology Exchange between Mobile Pastoral and Urban Communities in Late Bronze Age Turkmenistan  
9:45 Ian Lindsay—Political Arrangements among Farmers, Mobile Pastoralists, and Fortresses in the LBA Armenian Highlands  
10:00 Carolyn Dillian, Emmanuel Ndema, and Purity Kiura—Modeling Mid-Holocene Pastoral Interactions along Lake Turkana, Northern Kenya  
10:15 Helina Woldekiros—Salt Trading and Interaction between the Ancient Aksumites of the Northern Ethiopian Highlands and Their Lowland Pastoralist Neighbors  
10:30 Emily Hammer—Spatial Boundaries between Pre-modern Nomads and Farmers in Southeastern Turkey  
10:45 Nicholas Tripcevich—Where to Pasture the Llamas within Town? Herders and Farmers in the Andean Highlands  
11:00 Q&A  
11:15 Michael Frachetti—Discussant

- [226] GENERAL SESSION ■ EURASIA ARCHAEOLOGY: STEPPES AND CAUCASUS**  
**Room:** 303A (HCC)  
**Time:** 9:15 AM - 10:15 AM  
**Chair:** Bastien Varoutsikos

**Participants:**

- 9:15 Brad Comeau and Jessica Slater—Dry Run on a Dry Well: An Experimental Investigation of Sintashta Metallurgy  
9:30 Irina Demetradze—Roman Settlement Patterns in Eastern Caucasus  
9:45 Nathaniel Erb-Satullo, Brian Gilmour, and Nana Khakhutashvili—Transitional or Traditional? Technological Choice in Copper Production at the Cusp of the Iron Age in the Southern Caucasus  
10:00 Bastien Varoutsikos, Ana Mgledze, Christine Chataigner, and Manana Gabunia—Bavra-Ablari, a Late Neolithic-Chalcolithic Rockshelter in Djavakheti, Georgia

- [227] SYMPOSIUM ■ NOT JUST FOR SHOW: THE ARCHAEOLOGY OF BEADS, BEADWORK, AND PERSONAL ORNAMENTS PART I**  
*(Sponsored by Zooarchaeology and Bone Technology Interest Group (ZBTIG))*  
**Room:** 323B (HCC)  
**Time:** 9:30 AM - 11:45 AM  
**Chair:** Daniella Bar-Yosef Mayer

**Participants:**

- 9:30 Jane Balme and Sue O'Connor—Traditions and Change in Scaphopod Shell Beads in the Southern Kimberley, Australia, from the Pleistocene to the Recent Past  
9:45 Caroline Peschoux, Grégory Debout and Olivier Bignon—A “Bead's Time” within the Hunter-Gatherer Populations of the Upper Palaeolithic: Correlation between Personal Ornaments and Site Function in the Paris Basin (France)  
10:00 Annelou Van Gijn, Wouter Verschoof, and Oona Passeniers—A Biographical Study of Middle and Late Neolithic Amber, Jet, and Bone Ornaments: Contributions from the Microscope  
10:15 Paul Duffy, Paul R. Duffy, and Alice Choyke—Enchained Generations at Polgár-Csószhalom: Bead Use Life through Experimental Conditions  
10:30 Emily Epstein—Games, Exchange, and Stone: Hunter-Gatherer Beads at Home  
10:45 Elliot Blair—Elemental Analysis of Glass Beads from Mission Santa Catalina de Guale  
11:00 Maria Gurova, Clive Bonsall, Bruce Bradley, and Elka Anastassova—Experimental Approach to Prehistoric Drilling and Bead Manufacturing  
11:15 Alison Damick and Marshall Woodworth—The Steatite Micro-beads from Tell Fadaous-Kfarabida: A Case Study in Early Bronze Age Technology and Trade in Northern Lebanon  
11:30 David Bilton and Danielle A. MacDonald—Manufacturing Mortuary Beads on the Northwest Coast: Applications of Quantitative Microscopy to Bead Assemblages

**[228] SYMPOSIUM ■ ANIMAL SACRIFICE IN COMPLEX SOCIETIES: METHOD AND THEORY IN INTERPRETING ZOOARCHAEOLOGICAL ASSEMBLAGES**

**Room:** 319B (HCC)  
**Time:** 9:30 AM - 12:00 PM  
**Chairs:** Nawa Sugiyama and Hiroki Kikuchi

**Participants:**

- 9:30 Hiroki Kikuchi—Horse Sacrifice in Pre-Qin Age, China  
9:45 Masashi Maruyama and Hiroki Kikuchi—Domesticating Sacrifice: Changes in Animal Sacrifice in Ancient Japan  
10:00 Jill Weber—Equid Burials at Umm el-Marra, Syria in the Mid-3rd Millennium B.C.: Sacrifice, Symbol, or Substitution?  
10:15 Joel Klenck—Roman to Early Arab Subsistence Strategies in the Levant: Zooarchaeological Data from Tel-Mampsis and Tel-Nessana.  
10:30 Sarah Ralph—Hold Your Horses! Sacrificial Deposits of Horses in First Millennium B.C. France  
10:45 Nicolas Goepfert—From Tombs to Ceremonial Deposits: Sacrifice and Animal Offerings in the Mochica and Chimú Cultures, Northern Coast of Peru  
11:00 Kitty Emery—Animal Sacrifices in the Ancient Maya World  
11:15 Nawa Sugiyama—The Power of Sacrifice: Reconstructing the Life Histories of the Carnivores Deposited in the Moon Pyramid at Teotihuacan, Mexico  
11:30 Nerissa Russell—Discussant  
11:45 Q&A

**[229] SYMPOSIUM ■ EMPIRE, ECONOMY, AND URBAN SOCIETY AT AZTEC PERIOD CALIXTLAHUACA, MEXICO**

**Room:** 315 (HCC)  
**Time:** 9:30 AM - 12:00 PM  
**Chairs:** Juliana Novic and Angela Huster

**Participants:**

- 9:30 Michael Smith—Archaeological Fieldwork at Calixtlahuaca  
9:45 Maelle Sergheraert—Calixtlahuaca's Embedded Carved Stones: Symbols of Religion, Power and Markers of Cultural Changes  
10:00 Adrian Burke and Gilles Gauthier—Geochemical Characterization of Obsidian from the Toluca Valley Using XRF  
10:15 Bradford Andrews—Calixtlahuaca Stone Tools: Technological Trends and Their Socioeconomic Implications  
10:30 Julieta Lopez, Marina Vega-Gonzalez, Manuel Aguilar-Franco, and Jose Luis Ruvalcaba-Sil—Stones That Speak. The Slate from Calixtlahuaca: Sources, Function, and Distribution  
10:45 Angela Huster—Of Comales, Cotton, and Aztec Orangeware: The effects of Aztec Conquest at Calixtlahuaca  
11:00 Jennifer Meanwell—A Petrographic Analysis of Domestic Pottery Consumption at Calixtlahuaca  
11:15 Juliana Novic—Social Mixing in the Neighborhoods of Aztec Period Calixtlahuaca, Mexico  
11:30 Ryan Smigelski—Calixtlahuaca: A Comparative Analysis on Urban Features and Politics  
11:45 Frances Berdan—Discussant

**[230]****SYMPORIUM ■ THE ANTHROPOLOGICAL ARCHAEOLOGY OF RICHARD A. GOULD****Room:** 316A (HCC)**Time:** 9:45 AM - 12:00 PM**Chair:** Donald Holly**Participants:**

- 9:45 Susan Patterson—To Follow in the Footsteps of a Master: The Indian Shaker Church and Tribal Identity in Northwestern California  
10:00 Donald Holly—Richard Gould's Contributions to Hunter-Gatherer Studies  
10:15 Donald Pate—Archaeology and the Scientific Method: An Interdisciplinary Process Involving Successive Approximations toward a Past Behavioral Reality  
10:30 Sherry Saggers—From Archaeological Experimentation to Applied Anthropology: Dick Gould, Materialism, and the Fashioning of an Anthropological Career  
10:45 Anne S. Dowd—A Building Block of Anthropological Archaeology: Argument by Anomaly  
11:00 Dave Conlin, Larry Murphy, and Daniel Lenihan—The Underwater World of Richard A. Gould  
11:15 Krysta Ryzewski and Thomas Urban—"Archaeologists Will Do Anything to Get a Date!" Richard Gould's Recent (and Unforgettable) Contributions to Scientific Inquiry and Community Archaeology  
11:30 Katharine Woodhouse-Beyer—Advocating Archaeology: Richard A. Gould's Contributions to Applied Archaeology and Archaeological Engagement  
11:45 Richard Gould—Discussant

**[231]****SYMPORIUM ■ ARCHAEOLOGY OF TLAXCALA, MEXICO****Room:** 316C (HCC)**Time:** 9:45 AM - 12:00 PM**Chair:** David Carballo**Participants:**

- 9:45 Mari Carmen Serra Puche—Un taller cerámico formativo en Xochitecatl-Cacaxtla  
10:00 Monica Blanco—El ritual en contextos domésticos de Xochitécatl-Cacaxtla

- 10:15 Richard Lesure—Fashion, Collective Choice, and the Social Interpretation of Style in Mesoamerican Figurines: Two Cases from Formative Central Mexico  
10:30 Luis Barba, Agustín Ortiz, Jorge Blancas, and David Carballo—Deteción de estructuras arqueológicas enterradas y determinación de áreas de actividad en La Laguna, Tlaxcala  
10:45 Ángel García Cook—El surgimiento de las grandes ciudades el altiplano central y el comportamiento de Tlaxcala durante el llamado periodo “clásico”  
11:00 Ruth Fauman-Fichman—Small Site Obsidian Provisioning in the Tlaxcala Block  
11:15 Richard Blanton, Lane Fargher, and Verenice Heredia Espinoza—Pottery, Production, and Politics at Late Postclassic Tlaxcallan  
11:30 Aurelio Lopez Corral and Ramón Santacruz Cano—Counterbalancing Tlaxcallan Historical Records: The Archaeology of Noble Houses from Tepeticpac  
11:45 Stephen Kowalewski—Discussant

**[232] FORUM ■ MENTORING: PEAKS, PITFALLS, AND PERSPECTIVES**

*(Sponsored by COSWA)*

**Room:** 303B (HCC)

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

**Moderator:** Jennifer Huff

**Participants:**

- Kristin Safi—Discussant  
Peter Lape—Discussant  
Jo Burkholder—Discussant  
Eleanor King—Discussant  
Barbara Roth—Discussant  
Beverly Chiarulli—Discussant  
Jennifer Tobey—Discussant  
William Whitehead—Discussant

**[233] SYMPOSIUM ■ PACIFIC ISLAND GEOARCHAEOLOGY**

*(Sponsored by Geoarchaeology Interest Group)*

**Room:** 309 (HCC)

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

**Chair:** Ian Buvit

**Participants:**

- 10:30 Mike Carson—Palaeo-Terrain and Site Discovery in Pacific Islands Archaeology  
10:45 Ian Buvit, Masami Izuho, and Karisa Terry—Late Quaternary Stratigraphy of the Shimaki Paleolithic Site  
11:00 Kazuhiro Hayashi, Masami Izuho, Ian Buvit, Karisa Terry, and Tsubasa Kamei—Fabric Analysis of Lithic Artifacts at the Shimaki Site, Hokkaido, Japan  
11:15 Breanyn MacInnes and Ben Fitzhugh—Controlling for Landform Age When Determining the Settlement History of the Kuril Islands  
11:30 James Jordan, Herbert Maschner, Nicole Misarti, and Bruce Finney—Environmental Change and Long-term Occupation of the Eastern Aleutian Arc: The View from Sanak Island  
11:45 Masami Izuho—Discussant

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

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 234-a Becket Lailson Tinoco, Jorge Balamaseda, Luis Felipe Del Castillo, Niklas Schulze, and Ana Pelz—Primeras aplicaciones de datación por rehidroxilación en materiales arqueológicos de México
- 234-b Juan Sereno-Uribe and Israel Roman Ramos—Current Settlement Survey along the Coast of Guerrero, Mexico
- 234-c Lucas Hoedl—Shades of Black: Obsidian Distribution and Social Organization in the Tequila Valley Region of Jalisco, Mexico, during the Late Formative and Early Classic Period
- 234-d Judith Zurita-Noguera, Raúl Valadez Azúa, Bernardo Rodríguez Galicia, Diana Martínez Yrizar, and Emilio Ibarra Morales —Evidencias botánicas y zoológicas de los periodos Xolalpan tardío y Metepec en el sitio arqueológico de Teopancazco, Teotihuacan (siglos V y VI dC)
- 234-e Jeffrey Dobereiner—Putting Them in Their Place: Interpreting Preclassic Maya Settlement and Ceremonial Space at Rancho Búfalo, Chiapas, Mexico
- 234-f Sarah Levithol—Seeing Like the Maya: Understanding How the Sense of Sight Factored into the Construction of Central Plazas and Residential Units at the Site of Tamarindito, Guatemala through the Use of Viewshed Analysis
- 234-g Briana Bianco—Beekeeping Practices in Modern and Ancient Yucatán: Going from the Known to the Unknown
- 234-h Adam Blanford—Rethinking Tarascan Political and Spatial Organization
- 234-i Shelley Watts—Guajilar: Recovery and Burial Offerings
- 234-j Amy Thompson and Keith Prufer—Detection and Evaluation: The Use of LiDAR in Archaeological Contexts at Uxbenká, Belize
- 234-k Erica Gallis—Hieroglyphic Writing on Maya Ceramic Vessels in the Collections of the Smithsonian Institution's National Museum of the American Indian
- 234-l Anne Hayward—Tribute Textiles and Regional Clothing Styles

**[235] POSTER SESSION ■ ARCHITECTURE AND LANDSCAPE IN CENTRAL AND SOUTH AMERICA**  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 10:30 AM - 12:30 PM

**Participants:**

- 235-a Abigail Levine—Corporate Architecture and Complex Polity Formation in the Northern Lake Titicaca Basin: 2012 Excavations at Taraco, Peru
- 235-b Rebecca Bria and Barylski Tamara—Transforming Tradition: The Emergence of the Huarás Culture at the Ceremonial Center of Hualcayán, North-Central Highlands of Peru
- 235-c Carla Hernandez Garavito—The Materiality of the Empire: Inka Presence in the Highlands of Lima, Peru, and the Complexities of the Material Record during the Late Horizon (1450-1532 A.D.)
- 235-d Laura Griffin, Charles Stanish, and Henry Tantaleán—An architectural Landscape Association between a Linear Geoglyph and a Paracas/Carmen Pyramid in the Chincha Valley, Peru
- 235-e Scotti Norman, Asa Cameron, Carla Hernandez, and Steven Wernke—Producing Colonial Place: GIS-Based Spatial Network Analysis of a Planned Colonial Town in Highland Peru
- 235-f Steven Wernke and Julie Adams—Views from Above: Using UAVs and Mobile GIS to Map a Colonial Settlement in Highland Peru
- 235-g Jeffrey Brewer and David Hyde—Settlement Pattern Analysis at the Medicinal Trail Community, Northwestern Belize
- 235-h Kristi Corrado—An Analysis of the Corriental Reservoir Volcanogenic Ash and Clay Sediment Deposits in Relation to Maya Land Management and

Sustainability Practices in Tikal, Guatemala

- [236] **POSTER SESSION ■ RECENT ADVANCES IN THE ARCHAEOLOGY OF THE NEPEÑA VALLEY, COASTAL ANCASH, NORTH-CENTRAL PERU**  
Room: Kamehameha Exhibit Hall III Foyer (HCC)  
Time: 10:30 AM - 12:30 PM  
Chair: David Chicoine

**Participants:**

- 236-a Koichiro Shibata—Food for Visitors? Feasting and Canis Consumption at Cerro Blanco de Nepeña  
236-b Linda Scott Cummings, Peter Kovacik, Kathryn Puseman, Chad Yost, and Melissa Logan—What's for Dinner? A Record of Past Culinary Practices from the First Millennium B.C.E. Nepeña  
236-c Beverly Clement, David Chicoine, and Linda Cummings—Early Horizon Plant Use and Diet at Caylán: Insights from Macrobotanical Remains and Human Coprolites  
236-d David Chicoine and Carol Rojas—Shellfish Resources and Maritime Economy at Caylán  
236-e Kimberly Munro and David Chicoine—Grinding Stone and Plant Processing at Caylán: A GIS Study  
236-f Kyle Stich—The Paleoethnobotany of Incipient Urbanism at Caylán  
236-g Jacob Warner and David Chicoine—Discard Patterns and Trash Flow at the Early Horizon Center of Caylán  
236-h Caitlyn McNabb and Caitly McNabb—Water Management and Settlement Patterns in the Lower Nepeña Valley

- [237] **POSTER SESSION ■ ARCHAEOLOGY AND ICONOGRAPHY IN THE MESETA PURÉPECHA: NEW RESEARCH IN THE PARICUTIN REGION**  
Room: Kamehameha Exhibit Hall III Foyer (HCC)  
Time: 10:30 AM - 12:30 PM  
Chairs: Tricia Gabany-Guerrero and Steven Hackenberger

**Participants:**

- 237-a Tricia Gabany-Guerrero and D'Nisha Bush—Concentric Circles and A/O Signs: Explorations in Purépecha (Michoacán, Mexico) Iconographic Connections to Mesoamerica  
237-b Sandra Schreyer and Tricia Gabany-Guerrero—GIS and the Boundaries of Iconographic Research in Purépecha Territory (Michoacán, Mexico)  
237-c Steven Hackenberger and Tricia Gabany-Guerrero—An Early Crossroads in Mesoamerican Culture, Parangaricutiro, Michoacan, Mexico  
237-d Jarod Drozdowski, Steven Hackenberger, and Tricia Gabany-Gurrero—Mapping Power and Aligning Authorities: The La Alberca Ceremonial Complex and the Templo Viejo Site

- [238] **POSTER SESSION ■ RECENT EXCAVATIONS AT THE TIWANAKU TEMPLE OF OMO: RED, WITH A GREEN CORNICE AND MANY ICHU ROOFS**  
Room: Kamehameha Exhibit Hall III Foyer (HCC)  
Time: 10:30 AM - 12:30 PM  
Chair: Paul Goldstein

**Participants:**

- 238-a Sarah Baitzel—Before and After: Burials and the Reuse of Ceremonial Space at the Omo M10 Temple, Moquegua, Peru

**152** **(HHV)=Hilton Hawaiian Village (HCC)=Hawaii Convention Center**  
**Saturday Morning, April 6**

- 238-b Allisen Dahlstedt and Paul Goldstein—Sacrifice and Ancestor Veneration in a Tiwanaku Temple: An Exploration of a Comingled Human Dedicatory Offering at Omo M10  
238-c Paul Goldstein—Under Many Ichu Roofs: A New Reconstruction of the Omo M10 Tiwanaku Temple  
238-d Jason Kjolsing—Out of the Sunken Court and Into the Back Rooms: Factional Ritual Specialization at a Tiwanaku Temple  
238-e Matthew Sitek and Paul Goldstein—Excavations in the Omo Temple Middle Court: Implications for Access and Ritualized Movement in Tiwanaku Temples  
238-f Erin Rodriguez—Construction and Use of Space at the Omo Temple Complex: Soil Micromorphological and Soil Chemical Approaches  
238-g Patricia Palacios F.—Análisis textil de un entierro humano en el Templo de Omo M10

- [239]** **SYMPORIUM ■ LOSING CONTROL: INEQUALITY IN PERIODS OF POLITICAL COLLAPSE**  
**Room:** 303A (HCC)  
**Time:** 10:45 AM - 12:00 PM  
**Chair:** Nicholas Carter

**Participants:**

- 10:45 Martin Weber—Rethinking Collapse: Crafting Post-Imperial Identities in the Early Iron Age Northern Levant  
11:00 Dimitri Nakassis—Livin' in a New World: Elite Strategies during the Mycenaean Collapse  
11:15 Nicholas Carter—The Ajaw in Society: Terminal Classic Maya Representations and Practices of Inequality  
11:30 Nicola Sharratt and Gabriela de los Rios Farfan—Representing and Misrepresenting Social Order: Ritual Space and the Collapse of the Tiwanaku State  
11:45 Robert Haug—Recycled Elites: The Transformation of the Dihqāns in Early Islamic Khurāsān

- [240]** **GENERAL SESSION ■ LANDSCAPES AND SPACE: CASE STUDIES FROM AROUND THE WORLD**  
**Room:** 316B (HCC)  
**Time:** 10:45 AM - 12:00 PM  
**Chair:** Joan Schneider

**Participants:**

- 10:45 Peter Bikoulis—Adapting Geographical Information Science Techniques to Study Settlement Logic: An Experiment in Site Exploitation Territory Analysis  
11:00 Andrew Griffin—A GIS and Lithic Analysis of Changing Domestic Practices in Late Paleolithic Pyrenean France  
11:15 Barbara Klessig and Jasmine D'Angelo—GIS and the Distribution of Textile Tools in Viking Age Graves in Gotland, Sweden  
11:30 Joan Schneider and Yadmaa Tserendagva—A First View of a Mongolian Archaeological Landscape in the East Gobi Desert: Preliminary Results from an In-Progress Random Sample Inventory within Ikh Nartii Chuluu Nature Reserve  
11:45 Paola Dematte and Jeremiah Watson—Xumishan, Ningxia, China: The Archaeology of Buddhist Grottoes

- [241]** **GENERAL SESSION ■ THE ARCHAEOLOGY OF RITUAL**  
**Room:** 323A (HCC)

**Time:** 11:00 AM - 12:00 PM  
**Chair:** Brian Hayden

**Participants:**

- 11:00 Kathleen Hull—Ritual as Performance in Small-scale Societies
- 11:15 Brian Hayden and Suzanne Villeneuve—The Power of Secret Societies in the Past
- 11:30 Joanne Baron and Caroline Parris—"You Must Carry Them, Feed Them, and Eat with Them": Pre-Columbian Patron Deity Veneration and Its Modern Parallels
- 11:45 Stefan Woehlke and Kathryn Deeley—A New Look at West African Spirit Practices in Annapolis, Maryland

**Saturday Afternoon ■ April 06, 2013**

- [242] SYMPOSIUM ■ THE BURREN OF COUNTY CLARE, IRELAND: A LABORATORY FOR SOCIAL ARCHAEOLOGY**  
**Room:** 303A (HCC)  
**Time:** 1:00 PM - 1:45 PM  
**Chair:** D Gibson

**Participants:**

- 1:00 D Gibson—Chalcolithic Chiefdoms? Evaluation of the Evidence from County Clare, Ireland  
1:15 Carleton Jones—Roughan Hill: A Study of Chalcolithic and Early Bronze Age Society in Western Ireland  
1:30 Michelle Comber—Reconstructing Medieval Irish Society – the Caherconnell Archaeological Project

- [243] GENERAL SESSION ■ PALEOENVIRONMENTAL RECONSTRUCTION**  
**Room:** 318B (HCC)  
**Time:** 1:00 PM - 2:00 PM  
**Chair:** Elizabeth Scharf

**Participants:**

- 1:00 Elizabeth Scharf and Nicholas Schamens—Pollen and Sediment Samples from the Swamp West of Mound A at the Poverty Point Site, Louisiana (16WC5)  
1:15 Calla McNamee, Christopher R. Moore, Mark J. Brooks, Andrew H. Ivester, and James K. Feathers—Microbotanical Analysis of Carolina Bay Sand Rims: Reconstructing Holocene Vegetation and Paleoenvironment through Phytolith Analysis  
1:30 Gabrielle Purcell—The Development of Maize Agriculture in the Smoky Mountains  
1:45 Martina Steffen—A Late Pleistocene Association of *Arctodus simus* and *Ursus arctos* from Pellucidar Cave on Vancouver Island, Including DNA analyses

- [244] SYMPOSIUM ■ ARCHAEOLOGY IN MICRONESIA: CURRENT RESEARCH AND FUTURE DIRECTIONS**  
**Room:** 301B (HCC)  
**Time:** 1:00 PM - 2:45 PM  
**Chairs:** Maureece Levin and Katherine Seikel

**Participants:**

- 1:00 Katherine Seikel and William Ayres—Architectural Analysis of Stone Monuments from Pohnpei  
1:15 Helen Alderson and Mark D. McCoy—Geochemically Sourcing the Architectural Basalt of Nan Madol: New pXRF Results from the 2012 Field Survey in Nan Madol, Pohnpei, Federated States of Micronesia  
1:30 Maureece Levin—Paleoethnobotanical Evidence from Food Production Sites on Pohnpei, Micronesia  
1:45 Adam Thompson—The Early Settlement of Mwoakilloa Atoll  
2:00 Rosalind Hunter-Anderson—Niche Dynamics in Late-Holocene ISEA and the Mariana Islands, Micronesia  
2:15 Suzanne Finney and Sylvia Kloulubak—Contextualizing the Historic Landscape in the Republic of Palau

2:30      William Ayres—Discussant

- [245]      FORUM ■ THE INDUS CIVILIZATION REVITALIZED – EVALUATION OF SETTLEMENT HISTORIES, ECOLOGICAL VARIABILITIES AND ADAPTATIONS**  
**Room:** 309 (HCC)  
**Time:** 1:00 PM - 3:00 PM  
**Moderator:** Rita Wright

**Participants:**

Carrie Hritz—Discussant  
Adam Green—Discussant  
Heather Miller—Discussant  
Kathleen Morrison—Discussant  
Vasant Shinde—Discussant  
Steve Weber—Discussant  
Cameron Petrie—Discussant  
Richard Meadow—Discussant  
Joseph Schuldenrein—Discussant

- [246]      FORUM ■ KEEPING A GOOD HEART: NAGPRA PLATEAU STYLE**  
**Room:** 306A (HCC)  
**Time:** 1:00 PM - 3:00 PM  
**Moderator:** Angela Neller

**Participants:**

Jacqueline Cook—Discussant  
Lourdes Henebry-DeLeon—Discussant  
Vivian Harrison—Discussant  
Velma Valdez—Discussant  
Angela Neller—Discussant

- [247]      SYMPOSIUM ■ NEW TECHNOLOGIES IN ARCHAEOLOGY**  
**Room:** 305A (HCC)  
**Time:** 1:00 PM - 3:15 PM  
**Chairs:** Ann Killebrew and Brandon Olson
- Participants:**
- 1:00      Maurizio Forte—3D-Archaeology: New Perspectives and Challenges  
1:15      Brandon Olson and Ann Killebrew—New Directions in Three-Dimensional Recording in Archaeology  
1:30      Leore Grosman, Uzy Smilansky, Avshalom Karasik, and Ortal Harosh—3D Tools for Archaeological Artifact – Documentation, Classification, and Investigation  
1:45      Donald Sanders—Virtual Heritage: Researching and Visualizing the Past in 3D  
2:00      David Schloen and Sandra Schloen—Organizing and Integrating Archaeological Data  
2:15      Sarah Kansa and Eric Kansa—Getting the Big Picture by Linking Small Data  
2:30      Elizabeth Yakel, Ixchel Faniel, Eric Kansa, and Sarah Kansa—Digital Archaeological Data: Curation, Preservation, and Reuse  
2:45      Thomas Levy—Cyber-Archaeology: The Future of the Past  
3:00      Q&A

- [248]      SYMPOSIUM ■ NOT JUST FOR SHOW: THE ARCHAEOLOGY OF BEADS, BEADWORK,**

**AND PERSONAL ORNAMENTS PART II***(Sponsored by Zooarchaeology and Bone Technology Interest Group (ZBTIG))***Room:** 323B (HCC)**Time:** 1:00 PM - 3:30 PM**Chair:** Alice Choyke**Participants:**

- 1:00 Philip Slater, Stanley Ambrose, Polly Wiessner, and Marina Drigo—Ostrich Eggshell Strontium Isotope Analysis: Preliminary Results and Implications for Reconstructing Prehistoric Exchange Systems in the African Late Stone Age  
1:15 Teresa Wriston and Gary Haynes—Isotope Analysis of Ostrich Eggshell from Impala Shelter, Zimbabwe and What It Tells Us about Paleoenvironments, Landscape Use, and Trade during the Holocene  
1:30 Ashton Spatz—Ornamental Shell Beads as Markers of Exchange in the Pre-Pottery Neolithic B Southern Levant  
1:45 Dana Shaham and Anna Belfer-Cohen—The Natufian Audio-Visual Bone Pendants from Hayonim Cave  
2:00 Alexis Jordan—When Is a Bead Not a Bead? Exploring the Function of an Enigmatic Iron Age Ornament  
2:15 Adrian Velazquez, Patricia Ochoa, Norma Valentin, and Belem Zúñiga—A Nacreous Shell Pendant from Nexpa, Morelos  
2:30 Tsim Schneider and Lori Hager—Stories from Stone, Bone, Shell, and Glass: Digital Imaging and the Analysis of a Bead Assemblage from the Napa Valley, California  
2:45 Lisa Dugas—Bone Beads from the Monongahela Tradition  
3:00 Daniella Bar-Yosef Mayer—Mud beads in the Levant: Chronology, Distribution, Composition and Symbolism  
3:15 Alison Brooks—Discussant

**[249]****SYMPORIUM ■ TECHNOLOGY IN SOUTHWEST CHINA AND SOUTHEAST ASIA II:  
WORKING WITH STONE, CERAMICS, AND OTHER MATERIALS – TECHNOLOGICAL  
INNOVATION IN SOUTHEAST ASIA, SOUTHWEST CHINA, AND BEYOND****Room:** 324 (HCC)**Time:** 1:00 PM - 3:45 PM**Chair:** Alison Carter**Participants:**

- 1:00 Mark Aldenderfer and Margarita Gleba—Textile Technology in Nepal in the 5th-8th Centuries CE: The Case of Samdzong  
1:15 Alison Carter—The Production of Stone Beads in Southeast Asia  
1:30 Pochan Chen—Making Salt among Rocks – the Reconstruction of Ancient Salt Production in Yangpu, Hainan Island, China  
1:45 Andrea Yankowski—Salt Production in Southeast Asia – a Comparative Approach  
2:00 Darith Ea and Darith Ea—The Torp Chey Ceramic Kiln Site  
2:15 Michael Dega and Kaseka Phon—The Ceramic Production Center of Cheung Ek, Phnom Penh, Kingdom of Cambodia  
2:30 Kuei-chen Lin—Pottery Production in the Ancient Chengdu Plain  
2:45 Ling-yu Hung and Jianfeng Cui—Development of Neolithic Potting in the Eastern Tibetan Plateau  
3:00 Rachel Hoerman—Exploring the Informative Potential of Southeast Asian Rock Art Technologies  
3:15 Anke Hein—Discussant  
3:30 Q&A

**[250] SYMPOSIUM ■ COMMON GROUNDS: INNOVATIVE INTERNATIONAL PERSPECTIVES ON GROUND STONE STUDIES**

**Room:** 319B (HCC)

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

**Chair:** John Arthur

**Participants:**

- 1:00 Michael Searcy—Accessories of Modern Mayan Grinding Stones  
1:15 Juan Albaiteiro—Manos and Metates from San Nicolas de Los Ranchos, Part-Time Stoneworkers on Non-industrialized Production  
1:30 Martin Biskowski and Jessica Jones—Early Formative Grinding Tools at Paso de la Amada  
1:45 Mark Basgall—Understanding the Early Milling Technologies of Western North America  
2:00 Tammy Buonasera—More Than Acorns and Small Seeds: Extra-Utilitarian Aspects of Ground Stone from the South San Francisco Bay Area  
2:15 Laurie Nixon-Darcus and A. Catherine D'Andrea—MAKING A Met'han – The Manufacturing of Grindingstones in Northern Ethiopia  
2:30 John Arthur—Thunder Teeth (Dada Achay): An Ethnoarchaeological Study of Ground Stones among the Gamo of Southwestern Ethiopia  
2:45 Emanuela Cristiani and Dusan Boric—Ground Stones and Mesolithic Lifeways: Techno-functional and Residue Studies from South-East Europe  
3:00 Leo Hosoya—What to Grind? Significance of Grinding Stones in Prehistoric East Asia, from Ethnoarchaeological and Experimental Viewpoints  
3:15 Ayako Shibusaki—Needs and Passions of Plant Food Consumption: Starch Reveals Functions of Ground Stone Tools and Potteries in Prehistoric Japan  
3:30 David Zeanah—A Technological Reanalysis of the Ground Stone Technology at Puntutjarpa Rockshelter  
3:45 Jeanne Binning and Joan Schneider—Poi Pounders in the Archaeological Record of the Hawaiian Islands  
4:00 Q&A

**[251] SYMPOSIUM ■ FORENSIC ARCHAEOLOGY AT THE JPAC-CIL: EXCAVATING THE ATYPICAL IN THE MODERN WORLD**

**Room:** 314 (HCC)

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

**Chairs:** Owen O'Leary and Denise To

**Participants:**

- 1:00 Owen O'Leary and Denise To—The History of the Joint POW/MIA Accounting Command and America's Efforts to Recover Its Fallen Service Members  
1:15 Kelley Esh, Andrew Pietruszka, and Penny Minturn—Defining Forensic Archaeology at JPAC CIL  
1:30 Denise To and Owen O'Leary—Excavating the Atypical with the Central Identification Laboratory: When the Uncommon and Extreme Become the Norm  
1:45 Jesse Stephen and Hugh Tuller—Atypical Effects of Aircraft Crashes and Bomb Explosions on the Succession of Archaeological Contexts: Three Case Studies from WWII and Vietnam  
2:00 Sabrina Taala—Ordnance as Artifact: The Role of Explosive Materials on JPAC Sites  
2:15 Cullen Black and Joshua Toney—Socio-Political Organization, Memory, and Landscape in the Search for Missing U.S. Service Members from the War in Vietnam  
2:30 Q&A  
2:45 Andrew Pietruszka and Richard Wills—Forensic Archaeology Underwater:

- JPAC's Inventory, Investigation, and Recovery of U.S. Casualties of War from Submerged Sites  
3:00 Ashley Burch, Jennie Jin, Carrie LeGarde, and Elizabeth Okrutny—Don't Be Fooled By Taphonomy  
3:15 Calvin Shiroma and Bradley Jones—A Comparison of U.S. and Republic of Korea Dental Care Recovered from Korean War Remains  
3:30 Sean Tallman and Mindy Simonson—Challenging Archaeology: Archaeological Approaches to the Recovery of Human Remains from Papua New Guinea  
3:45 Derek Congram and Greg Berg—Archaeological Recovery at an Aircraft Crash Site on a Glacier  
4:00 Marin Pilloud and Mary Megyesi—Human Remains in a Glacial Environment

**[252] SYMPOSIUM ■ TURQUOISE AND BLUE-GREEN STONES IN THE SOUTHWEST, NORTHERN MEXICO, AND MESOAMERICA: WHERE MINED, WHAT PRODUCED, WHO CONSUMED?**

**Room:** 306B (HCC)

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

**Chairs:** Emiliano Melgar and Emiliano Gallaga

**Participants:**

- 1:00 Frances Mathien and Sharon Hull—Turquoise in the Chaco World  
1:15 Heidi Roberts, Sharon Hull, and Mostafa Fayek—Sourcing Turquoise Artifacts from Seven Archaeological Sites in the Eastern Great Basin  
1:30 Sharon Hull, Timothy D. Maxwell, Mostafa Fayek, and Rafael Cruz Antillón—Chasing Beauty: Evidence for Southwestern U.S. Turquoise in Mexico  
1:45 Alyson Thibodeau, Leonardo López Luján, David Killick, and Joaquin Ruiz—Isotopic Evidence for the Source of Turquoise in Mesoamerica  
2:00 Jose Ruvalcaba, Emiliano Melgar, and Kilian Laclavetine—Study by Non-Invasive In-situ Spectroscopies of Turquoise Mesoamerican Artifacts  
2:15 Emiliano Gallaga and Emiliano Melgar—“Turquoise Passing by”: Blue Items from the Onavas Valley, Sonora, Mexico  
2:30 Saul Hedquist and Alyson Thibodeau—Sacred Turquoise: Blue-Green Stone in the Late Prehispanic Pueblo World  
2:45 Marcus Winter, Robert Markens, and Cira Martínez-López—Late Postclassic Turquoise Mosaic Artifacts from Oaxaca  
3:00 Emiliano Melgar—The Manufacturing Techniques of the Turquoise and Blue-Green Objects in Mesoamerica  
3:15 Ernesto Gonzalez-Licon—Mixtec Hieroglyphic Turquoise Tablets in La Cañada Region: Function and Meaning  
3:30 José Medina González and Baudelina García Uranga—La turquesa en Alta Vista, narrativas versus evidencias  
3:45 Isabel Medina-González—Archaeological Conservation: A Tool for Preserving and Researching Turquoise Artifacts from Alta Vista, Zacatecas  
4:00 Ben Nelson—Discussant  
4:15 Frances Berdan—Discussant

**[253] SYMPOSIUM ■ ARCHAEOOMETRIC METHODS, ARCHAEOLOGICAL MATERIALS, AND ANCIENT TECHNOLOGIES**

*(Sponsored by Society for Archaeological Sciences)*

**Room:** 318A (HCC)

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

**Chairs:** Vanessa Muros and Ioanna Kakoulli

**Participants:**

- 1:00 Bryan Cockrell, José Luis Ruvalcaba Sil, and Edith Ortiz Díaz—Several Roads Lead to Chichén Itzá: Tracing the Fabrication Histories of Metals Deposited in the Cenote Sagrado  
1:15 Christian Fischer, Ioanna Kakoulli, Sandra L. Lopez Varela, Christian De Brer, and Kim Richter—The Jaina-Style Figurine Project: Portable Technologies, Advantages, and Limitations  
1:30 Christian Wells—Integrated Archaeometric Analysis of the Context and Contents of an Uluá-Style Marble Vase from the Palmarejo Valley, Northwest Honduras  
1:45 Kathryn Etre—Panama Purple: Investigating a Misunderstood Technique  
2:00 Michael Deibel, Emily Stovel, and William Whitehead—Changes in Mortuary Ceramics and Ritual between the Middle and Late Intermediate Periods (A.D. 500-1450): Using pXRF in Northern Chile  
2:15 Michael Gregg and Greg Slater—Improving the Diagnostic Capabilities of GC-C-IRMS Analyses of Organic Residues in Archaeological Pottery  
2:30 Brittany Dolph and Christian Fischer—Sandstone Raw Materials from Eastern France: Evaluation of Non-invasive Portable Technologies as Potential Tools for Characterization and Sourcing  
2:45 Vanessa Muros—Analyzing Deteriorated Glass Using pXRF: A Preliminary Study of Vitreous Beads from the Late Bronze Age/Early Iron Age Tumulus of Lofkënd  
3:00 Marc Walton, Karen Trentelman, Brendan Foran, and Apurva Mehta—Characterization of 5th C.B.C. Athenian Pottery Black Gloss Slips  
3:15 Brett Kaufman—Empire without a Voice: Phoenician Iron Metallurgy and Imperial Strategy at Carthage  
3:30 Colleen Bell, Miriam Belmaker, and Donald Henry—Comparison between 3D Geometric Morphometric Analysis over Traditional Linear Methods in Lithic Assemblages: Tel Faraj, Jordan, a Middle Paleolithic Site as a Case Study  
3:45 Cynthianne Debono Spiteri, Amanda Henry, and Oliver Craig—Lipid Analysis and Plant Residue Identification: New Perspectives  
4:00 Robert Tykot—Discussant  
4:15 Q&A

**[254] SYMPOSIUM ■ PEOPLE AND PLANTS: MIGRATION AND EXCHANGE IN THE CIRCUM-CARIBBEAN**  
**Room:** 323C (HCC)  
**Time:** 1:00 PM - 4:30 PM  
**Chairs:** Ivan Roksandic and David Smith

**Participants:**

- 1:00 Ivan Roksandic—Possible Sources of Migration in the Circum-Caribbean: Linguistic Introduction to an Archeological Debate  
1:15 Carney Matheson, Felicia Joseph, Ivan Roksandic, Roberto Rodríguez Suárez, and Antonio Martínez-Fuentes—A Re-evaluation of Genetic Evidence for the Human Migrations into Cuba  
1:30 David Smith—Introduction to People and Plants: Migration and Exchange in the Circum-Caribbean  
1:45 Bill Buhay, Yadira Chinique de Armas, Roberto Rodriguez, David Smith, and Mirjana Roksandic—Food Producers or Gatherers: Bioarchaeological and Geochemical Evidence of Cultivation at Canimar Abajo, Cuba  
2:00 Menno Hoogland, Hayley Mickleburgh, and Anne van Duijvenbode—Mortuary and Bioarchaeological Expressions of Identity: Spatial and Chronological Variation throughout the Ceramic Age in the Caribbean archipelago.  
2:15 Darlene Weston, Roberto Valcárcel Rojas, Menno Hoogland, and Corinne

- Hofman—Communities in Contact: Health and Paleodemography at El Chorro de Maíta, Cuba  
2:30 Mirjana Roksandic, Carlos Arredondo, Yadira Chinique des Armas, and Stephanie Armstrong—Changes in Mobility between Two Levels of Canimar Abajo Cemetery, Matanzas, Cuba: Paleodemographic Evidence  
2:45 Jason Laffoon—Human Paleomobility in the Circum-Caribbean: New Insights from Isotope Analyses  
3:00 Jason Yaremko—Diaspora, Transculturation, and the Layers of Indigenous Existence in the Caribbean: Cuba as Microcosm  
3:15 William Keegan—Discussant  
3:30 Corinne Hofman—Discussant  
3:45 Jago Cooper—Discussant  
4:00 Reniel Rodriguez Ramos—Discussant  
4:15 Mary Jane Berman—Discussant

- [255] SYMPOSIUM ■ UNDERSTANDING THE HAWAIIAN PAST: A SESSION IN HONOR OF FOUR DECADES OF ARCHAEOLOGY BY PATRICK V. KIRCH**  
**Room:** 311 (HCC)  
**Time:** 1:00 PM - 4:45 PM  
**Chairs:** Mark McCoy, Jennifer Kahn and Marshall Weisler

**Participants:**

- 1:00 Melinda Allen—Hawaiian Origins: The Marquesan Homeland Hypothesis Revisited  
1:15 Marshall Weisler—A Comprehensive Approach to Dating Human Colonization of Pristine Landscapes  
1:30 Carl Christensen—The Archaeology of Cryptogenic and Prehistorically Translocated Freshwater Mollusks in the Hawaiian Islands  
1:45 Thegn Ladefoged and Michael Graves—The Evolution of Social Complexity in Polynesia: How Patrick Kirch Transformed the Study of Prehistoric Development  
2:00 Oliver Chadwick, Peter Vitousek, and Sara Hotchkiss—Farming the Rock: A Biogeochemical Perspective on Intensive Agriculture in Polynesia  
2:15 Robert Hommon—The Kealakekua Region: Salubrious Core, Political Center  
2:30 Thomas Dye—Wealth in Old Hawai‘i: A Regional Chronology of Leeward Kohala, Hawai‘i Island  
2:45 Q&A  
3:00 Jennifer Kahn—Household Archaeology and “House Societies” in the Hawaiian Archipelago  
3:15 Mark McCoy—The Significance of Religious Ritual in Ancient Hawai‘i  
3:30 Peter Mills and Steven Lundblad—Current Perspectives on Hawaii’s Stone Tool Economies  
3:45 James Bayman—Culture, History, and Colonialism in the Hawaiian Islands  
4:00 James Flexner—The Historical Archaeology of States and Non-States: Anarchist Perspectives from Hawaii and Vanuatu  
4:15 Kathleen Kawelu—Community-Based Research: The Next Step in Hawaiian Archaeology  
4:30 Patrick Kirch—Discussant

- [256] SYMPOSIUM ■ CONTEMPORARY APPROACHES TO HISTORY AND CHRONOLOGY BUILDING: PERSPECTIVES FROM THE EASTERN MAYA LOWLANDS**  
**Room:** 315 (HCC)  
**Time:** 1:00 PM - 4:45 PM  
**Chairs:** Valorie Aquino and Mikael Fauvelle

**Participants:**

- 1:00 Mikael Fauvelle, Andrew Somerville, and Andrew Froehle—Diachronic Change in Maya Diet and Status: New Perspectives from the Eastern Maya Lowlands  
1:15 Valorie Aquino, Keith M. Prufer, and Douglas J. Kennett—Chronological Calibration and the Dynamics of Climate and Culture Change at the Lowland Maya Center of Uxbenká, Belize  
1:30 Jillian Jordan, Jillian Jordan, and Keith Prufer—Integrating Ceramic and AMS 14C Chronologies at the Classic Maya Center of Uxbenká, Belize  
1:45 Claire Novotny—Households and Hinterlands: Synthesizing a Regional Chronology for the Toledo District of Southern Belize  
2:00 Keith Prufer—A Multi-Proxy Regional Chronology for Southern Belize  
2:15 Geoffrey Braswell and Beniamino Volta—Absolute and Relative Time: Understanding the Chronology of Chichen Itza  
2:30 Q&A  
2:45 Brett Houk, Gregory Zaro, Brendan Culleton, and Douglas Kennett—All Our Yesterdays: Alternative Histories of La Milpa, Belize  
3:00 Julie Hoggarth—Using Multivariate and Quantitative Methods for Understanding Diachronic Change: Classic to Postclassic Household and Community Dynamics at Baking Pot, Belize  
3:15 Nancy Peniche May—Constructing Chronologies from Buildings: Excavations at Plaza B of Cahal Pech, Belize  
3:30 Wendy Dorenbusch—Scratching the Surface: A Preliminary Chronology of the Northwest Settlement of Cahal Pech, Belize  
3:45 Anna Novotny—History and Genealogy among Ancient Maya Commoners of the Belize River Valley, Belize  
4:00 David Mixer and Lisa LeCount—Dating Actuncan: Contextualizing Social and Political Transitions within a Long-Lived Maya Center  
4:15 Geoffrey Braswell—Discussant  
4:30 Douglas Kennett—Discussant

**[257] SYMPOSIUM ■ LESSONS FROM THE TRENCHES II: NEW PEDAGOGIES OF ARCHAEOLOGY AND HERITAGE**

*(Sponsored by Heritage Values Interest Group)*

**Room:** 316C (HCC)

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

**Chair:** Phyllis Messenger

**Participants:**

- 1:00 Emanuela Bocancea and Krysta Ryzewski—Early Lessons on Archaeology: Teaching Archaeological Stewardship to Young Students on the Caribbean Island of Montserrat  
1:15 Robert MacDonald—Public Issues Anthropology as a Framework for Teaching Archaeology and Heritage Resource Management  
1:30 Elizabeth Kryder-Reid—Do the Homeless Have Heritage? Thinking Globally and Acting Locally in Indianapolis  
1:45 Shereen Lerner and Rachel Most—Active Archaeology for Undergraduates  
2:00 Eleanor King—African Americans, American Indians, and Heritage Education  
2:15 Bonnie Clark—Creating Communities of Memory: The DU Amache Field School  
2:30 Willem Willems—Learning by Doing: Dilemmas in Practice and Other Heritage Education Issues  
2:45 Sandra Scham—Heritage and Cultural Diplomacy  
3:00 Phyllis Messenger—Gender, Archaeology, and the Pedagogy of Heritage

- 3:15 Carol Ellick—Beyond the Classroom: Transitioning from Student to Career  
3:30 Beverly Chiarulli—Using Archaeological Geophysics to Develop Student Professionalism  
3:45 Phillip Neusius, Sarah Neusius, Beverly Chiarulli, and Ben Ford—Teaching Heritage Values to Applied Archaeology Students  
4:00 Dean Snow—Teaching Archaeology in the Information Age  
4:15 Elaine Franklin and Elaine Franklin—Disruptive Innovations and the Potential for New Pedagogies in Archaeology and Heritage Education: A View from 35,000 Feet  
4:30 Elizabeth Chilton—Discussant  
4:45 Larry Zimmerman—Discussant

**[258] SYMPOSIUM ■ CIRCUMPOLAR CERAMICS: POTTERY TECHNOLOGY AND THE “FORAGING SPECTRUM”**

**Room:** 301A (HCC)

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

**Chairs:** Kevin Gibbs and Peter Jordan

**Participants:**

- 1:00 Junzo Uchiyama—Investigating the Socio-Economic Contexts of Early Pottery Innovation in Jomon Japan (Honshu and Kyushu), ca. 16,500-7,500 B.P.  
1:15 Hirofumi Kato and Hirofumi Kato—Mobile or Settled: Cultural Functional Diversities of Prehistoric Pottery in Hokkaido Island  
1:30 Shelby Anderson—The Difficulty of Sourcing Hunter-Gatherer Pottery: A Case Study from Northern Alaska  
1:45 Erik Gjesfield—Hunter-Gatherer Pottery Production, Use, and Exchange in the Remote Kuril Islands  
2:00 Peter Hommel, Peter Day, Peter Jordan, and Viktor Mikhailovich Vetrov—Vessels of the Vitim: A Study of Ust'-Karenga and Ust'-Yumurchen Ceramics  
2:15 Liam Frink and Karen Harry—An Experimental Examination of Central Canadian Arctic Hunter-Gatherer Pottery and Soapstone Containers  
2:30 Toshiro Yamahara—Early Pottery in East Hokkaido, Japan  
2:45 Fredrik Hallgren—A Grinding Halt: On the Western Boundary in the Spread of Early Hunter-Gatherer Pottery in Fennoscandia  
3:00 Rick Knecht, Ana Jorge, and Kate Britton—The Form and Function of Ceramics in Arctic Prehistory  
3:15 Tetsuhiro Tomoda—Pottery Diversity and Cultural Connections in Northern Japan  
3:30 Karine Tache and Oliver Craig—Patterns of Early Pottery Uses in Northeastern North America: Insights from Organic Residue Analysis  
3:45 Sven Isaksson, Peter Jordan, and Kevin Gibbs—Same but Different: Pottery-Use among Prehistoric Hunter-Gatherers in NW and NE Eurasia  
4:00 Oliver Craig, Carl Heron, Junko Habu, Mio Katayama Owens, and Yastami Nishida—Specialization in the Use of Hunter-Gatherer Pottery from Japan? Evidence from Lipid Residues  
4:15 Matthew Boyd, Andrew Lints, Clarence Surette, and Scott Hamilton—Maize Horticulture and the Woodland Tradition in Subarctic North America  
4:30 Yastami Nishida, Hayley Saul, Carl Heron, and Oliver Craig—Hot Dishes in the Beginning of Jomon Period, Japan  
4:45 Brian Hayden—Discussant

**[259] GENERAL SESSION ■ BY DESIGN: ICONOGRAPHY IN SOCIAL AND COSMOLOGICAL NEGOTIATIONS**

**Room:** 325 (HCC)  
**Time:** 1:30 PM - 3:45 PM  
**Chair:** Ryan Wheeler

**Participants:**

- 1:30 Joanna Ostapkowicz—The Sculptural Legacy of the Jamaican Taíno  
1:45 Ian MacRae—Diversity and Difference: Interpreting Naturalistic Miniatures in Dorset Archaeological Art  
2:00 Rebecca Schwendler—A Comparison of the Use of Visual Displays during Colonization  
2:15 Steven Dorland—Shifting Perceptions of Pottery Decoration: A Multi-scalar Analysis of Two Middle Iroquoian Villages in Southern Ontario  
2:30 Sarah Kerchusky—Ethnicity, Entanglement, and Woven Perishable Artifacts on the Egyptian-Nubian Frontier: Archaeological Textiles, Cordage, and Basketry from the Tombos Cemetery, Sudan  
2:45 Peter Eeckhout—The Coastal Icon: A Reappraisal of Middle Horizon to Late Periods Iconography on the Central and North-Central Coast of Peru  
3:00 Nadya Prociuk—Inscribing Identity: Symbolic Representation in the Castro Culture  
3:15 Ryan Wheeler—Thinking about Animals in Ancient Florida  
3:30 Bretton Giles—(Em)bodying the Cosmos in the Eastern Woodlands

- [260] SYMPOSIUM ■ MULTIDISCIPLINARY ANALYSIS OF HUMAN SKELETAL REMAINS FROM A MID-19TH CENTURY CEMETERY IN CONNECTICUT**  
**Room:** 316A (HCC)  
**Time:** 1:30 PM - 4:15 PM  
**Chairs:** Yukiko Tonoike and Nicholas Bellantoni

**Participants:**

- 1:30 Nicholas Bellantoni—Bioarchaeological Recovery of Four Catholic Burials, New Haven, Connecticut  
1:45 Anthony Griego and Dan W. DeLuca—Out of Sight – Almost Forgotten: The Historic Background of the First Catholic Church and Cemetery in New Haven, Connecticut  
2:00 Sarah Brownlee, Gary Aronsen, and Ana Marichal—Osteology of the Yale-New Haven 4: Inventory and Assessment  
2:15 Gary Aronsen, Ana Marichal, and Sarah Brownlee—Osteology of the Yale-New Haven 4: Health, Occupation, and Trauma Biomarkers  
2:30 Natalie Pelletier, Tania Blyth, Robert Lombardo, Gerald Conlogue, and Gary Aronsen—The Advantages and Disadvantages of Multi-Detector Computed Tomography (MDCT) and Computed Radiography (CR) for the Radiographic Examination of Human Skeletal Remains from a Mid-19th Century Cemetery in Connecticut  
2:45 Gerald Conlogue, Tania Blyth, Natalie Pelletier, Robert Lombardo, and Kim Laura Ziegler—A Preliminary Investigation into the Effects of X-Ray on the Recovery of DNA from Skeletal Remains Found at the Yale-New Haven Hospital Construction Site  
3:00 Lars Fehren-Schmitz—Palaeogenetic Analysis of Human Remains from a 19th Century Cemetery in Connecticut, USA  
3:15 John Krigbaum, George Kamenov, Benjamin Valentine, and Gary Aronsen—Multiple Isotope and Trace Element Proxies to Infer Life History of Mid-19th Century Human Skeletal Remains from New Haven, Connecticut  
3:30 Yukiko Tonoike—Assessing the Use of Portable XRF to the Study of Human Skeletal Remains: A Case Study Based on the Yale-New Haven Burials  
3:45 Gary Aronsen—Discussant

4:00 Nicholas Bellantoni—Discussant

**[261] SYMPOSIUM ■ TOOLS OF EMPIRE: HISTORICAL ARCHAEOLOGIES OF BRITISH FORTS IN THEIR CONTEXTS**  
**Room:** 303B (HCC)  
**Time:** 1:30 PM - 4:15 PM  
**Chairs:** Christopher DeCorse and Zachary Beier

**Participants:**

- 1:30 David Starbuck—British Forts in Northern New York State  
1:45 Amy Roache-Fedchenko—Maintaining the Military Agenda: Blacksmithing at Fort Michilimackinac  
2:00 Douglas Pippin—"A Very Laborious Task:" British Colonial Policy and the Establishment of Fort Haldimand on Carleton Island (1778–1784)  
2:15 Robert Cromwell—Comparing the Ceramics of Early-19th Century Fur Trade British Fort Sites along the Columbia River  
2:30 Douglas Wilson—The Fort and the Village: Landscape and Nationality in the Colonial Period of Fort Vancouver  
2:45 Zachary Beier—"All the King's Men": Labor and Diversity at the Cabrits Garrison, Dominica  
3:00 Gerald Schroedl—Enslaved Africans and the British Military at the Brimstone Hill Fortress, St. Kitts, West Indies  
3:15 Liza Gijanto—Supporting the Fort: Viewing the British Commercial Landscape from James Island, The Gambia  
3:30 Christopher DeCorse and Christopher DeCorse—Bunce Island, Sierra Leone: Merchant Outpost of the Atlantic Slave Trade  
3:45 Zachary Beier—Discussant  
4:00 Q&A

**[262] GENERAL SESSION ■ COLLABORATIVE AND COMMUNITY ARCHAEOLOGY**  
**Room:** 312 (HCC)  
**Time:** 1:30 PM - 4:15 PM  
**Chair:** Charles Bello

**Participants:**

- 1:30 Charles Bello, Alvin J. Windy Boy Sr., Robert C. O'Boyle, and Duncan Standing Rock—Tribal / Federal Partnership – Chippewa Cree Tribe and the Federal Emergency Management Agency (FEMA): Two Case Studies of Effective Hazard Mitigation and Cultural Resource Management on the Rocky Boy Reservation, Montana  
1:45 James Herbert and Sean P. Connaughton—First Steps in Developing Sustainable Partnerships  
2:00 Amanda Marshall and Jennifer Lewis—Salvaging the Past, Bridging the present at Cedarvale, B.C.  
2:15 Elisabeth Cutright-Smith—Ancestral Hopi Landscape Archaeology in the Homol'ovi Region and Implications for Hopi Off-Reservation Cultural Resources Management  
2:30 Jennifer Lewis—Transcolonial Perspectives on the Misappropriation and Restoration of Archaeological Heritage at Fort Apache and Theodore Roosevelt School National Historic Landmark, White Mountain Apache lands, AZ  
2:45 Sarah Carr-Locke—What Can Museums Learn from Indigenous Archaeology? Seeking an Identity for Collaborative Indigenous Methodologies in Museums  
3:00 Howard Higgins—Ethnographic Consultation for Renewable Energy Development in the San Luis Valley, Colorado

- 3:15     Kathrina Aben—Invisible Communities: Developing a Filipino Discourse through Archaeology in Annapolis, Maryland  
3:30     Annette Ruzicka and Colin Grier—Collaborative and Community-Based Archaeology on Galiano Island, British Columbia, Canada  
3:45     Lauren Herckis—The Women Can Wash: Employing Women on an Archaeological Crew  
4:00     Tricia Jarratt and Ramona Nicholas—We Are in Cahoots!

**[263]   GENERAL SESSION ■ ADVANCES IN ZOOARCHAEOLOGICAL METHOD: CASE STUDIES FROM AROUND THE WORLD**  
**Room:** 317A (HCC)  
**Time:** 1:30 PM - 4:45 PM  
**Chair:** Robert Jeske

**Participants:**

- 1:30     Allison Grunwald—What Was in the Caches? Evaluating Frozen Marrow Storage through Bone-Breakage Experiments  
1:45     Ariana Lambrides and Marshall Weisler—A Critical Assessment of Protocols for Identifying Archaeological Fish Remains: The Use of Vertebrae and Its Contribution Toward Improving Subsistence Studies in Oceania  
2:00     Charlotte Oskam, Morten Allentoft, Richard Holdaway, Chris Jacomb, and Michael Bunce—Biomolecules Preserved in Eggshell Provides Insights into Archaeology  
2:15     Michael Bunce, Daithi Murray, James Haile, Nicole White, and Joe Dortch—Scrapheap Challenge: Ancient DNA from Archaeological Bone Fragments Provides Insights into Zooarchaeological Assemblages and Past Biodiversity  
2:30     Antonia Santangelo—Don't Step on the Scale: Weighing the Challenges and Rewards of Archaeologically Obtained Fish Scales with a Report from Eastern Crimea  
2:45     Katharine Fernstrom—Genetic Identification of Aquatic Shell: A Proposed Program of Experiments for Archaeological Application  
3:00     Richard Edwards—Wisconsin Oneota Faunal Exploitation: A Case Study from the Crescent Bay Hunt Club (47JE904), Lake Koshkonong, Southeastern Wisconsin  
3:15     Benjamin Porter, Benjamin Porter, Alan Farahani, and Melanie Miller—Catching Crabs in the Desert: Isotopic Insights into Human-Animal Relationships in Early Iron Age Central Jordan  
3:30     Corey O'Driscoll and Jessica Thompson—Zooarchaeological evidence for projectile technology in the African Middle Stone Age  
3:45     Levent Atici and Burçin Erdogu —Zooarchaeology of the Neolithization of Europe: New Evidence from Ügurlu Höyük, Gökcada, Turkey  
4:00     Shannon Goshen—Late Holocene Trends in Prehistoric Waterfowl Exploitation: Evidence from the Lower Sacramento Valley, California  
4:15     Zoe Morris, Christine White, Lisa Hodgetts, and Fred Longstaffe—Stable Isotopic Comparison of Maize-Consumption by Wild Turkeys from Late Woodland Ontario Iroquoian versus Western Basin Sites  
4:30     Robert Jeske and Roberta Boczkiewicz—Canine Scavenging and Archaeological Site Formation: An Experiment with the Milwaukee County Zoo Wolf Pack

**[264]   GENERAL SESSION ■ LANDSCAPES AND SPACE: CASE STUDIES FROM THE AMERICAS**  
**Room:** 319A (HCC)  
**Time:** 1:45 PM - 4:45 PM

**Chair:** Lindsay Amundsen-Meyer

**Participants:**

- 1:45 Lindsay Amundsen-Meyer—Nested Landscapes: Ecological and Spiritual Use of Plains Landscape during the Late Prehistoric Period
- 2:00 Shannon Koerner and Bretton Giles—Evaluating Models of Prehistoric Landscape Choice in the Flint Hills Region of Kansas, U.S.A.
- 2:15 Katherine Tarascio—Whitehall: Newport's History in a House
- 2:30 Cosimo Sgarlata—Predictive Model for Danbury, Connecticut
- 2:45 Susan Prezzano—Landscape, Memory, and Archaeology in Northwestern Pennsylvania
- 3:00 Jessica Hedgepeth, Arthur Joyce, Michelle Goman, and William Middleton—A GIS Study of Formative Period Landscape and Settlement Change in the Lower Río Verde Valley, Oaxaca, Mexico
- 3:15 Giovanna Liberotti and Annick Daneels—Inferring Archaeological Meaning through Graphic Data: From the Excavation to the 3D Reconstruction of a Building Sequence at La Joya (Veracruz-Mexico)
- 3:30 Matthew Pailes—Río Sonora Community Size: New Interpretations Based on Settlement Pattern Data and Inter-site Variation in the Moctezuma Valley
- 3:45 William McFarlane and Miranda Suri—Investigating Community Dynamics: Recent Research from the Jesus de Otoro Valley, Honduras
- 4:00 Thomas Leppard, John Cherry, Krysta Ryzewski, and Emanuela Bocancea—New Prehistoric Sites on Montserrat, West Indies
- 4:15 Esteban Gomez and Elisa León—An Archaeological Investigation of Identity and Social Transformation in the Guanacaste Region of Northwestern Costa Rica
- 4:30 Kaitlyn Moore—Negotiating the Middle Ground in a World-System: An Example from the Northern Rocky Mountain Fur Trade

**[265] POSTER SESSION ■ ARCHAEOLOGY AND THE PUBLIC**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 265-a Paula Sutton and Rita Harder—Indiana Girl Scouts Dig Archaeology
- 265-b Patrick Hadel, Joan Schnieder, and Rusty Stone—Toward a Cultural Heritage Management Program for Ikh Nart Nature Reserve, East Gobi Province, Mongolia: A Pioneer International Effort Based on the California State Parks Cultural Resources Preservation Model in the Eastern Gobi Desert of Mongolia
- 265-c James VanderVeen and Joshua Wells—Crowdsourcing the Past: Teaching Archaeology Students to Be Active Producers of Information in a Virtual Community
- 265-d Ryan Washam—Archaeology in Distress: Federal Land Management and Vulnerable Landscapes
- 265-e Paul Burnett—Disaster Plan: Probability Modeling in Northwest Colorado
- 265-f Eleonora Gandolfi, Graeme Earl, and Simon Keay—Navigating Portus: Virtual Access to Archaeological Sites
- 265-g Alvin Windy Boy, Robert O'Boyle, Charles Bello, and Duncan Standing Rock Sr.—Tribal / Federal Partnership – Chippewa Cree Tribe and the Federal Emergency Management Agency (FEMA): Two Case Studies of Effective Hazard Mitigation and Cultural Resource Management on the Rocky Boy Reservation, Montana
- 265-h Robert OBoyle, Alvin Windy Boy Sr., and Jason Brown—The Good, the Bad, and the Federal Government: A Way Forward with Tribal Consultation

**[266] POSTER SESSION ■ BEADS: MORE THAN DECORATION**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 266-a Curtis Dean—Ecofact or Fiction?  
266-b Danielle Raad and Cheryl Makarewicz—The Exchange and Production of Stone Beads at the Pre-Pottery Neolithic site of el-Hemmeh, Jordan  
266-c Jonathan Walz—Of Paradigms and Powerplays: Shells and Shell Artifacts in the Archaeology of Hinterland East Africa, 750–1550 C.E.  
266-d Emily Wilkerson and Ania Baran—Challenging Past Assumptions Regarding Beads in the Salish Sea: Preliminary Bead Assemblage Analyses at DhRp-52

**[267] POSTER SESSION ■ CERAMIC STUDIES IN THE AMERICAN SOUTHWEST**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 267-a Judith Habicht-Mauche and Suzanne Eckert—Sourcing Western-Style Glaze-Painted Pottery from Tijeras Pueblo, NM  
267-b Suzanne Eckert, David Snow, Kari Schleher, Judith Habicht-Mauche, and W. D. James—Following the Yellow Brick Road: Yellow Slip Clays and the Production of Rio Grande Glaze Ware in North Central New Mexico  
267-c Sachiko Sakai—Application of Optically Stimulated Luminescence (OSL) Dating to Examine Change in Production and Distribution Pattern of Olivine-Tempered Ceramics in the Arizona Strip and Adjacent Areas in the American Southwest  
267-d Thomas Wambach—Bent Out of Shape: Warping in Virgin Branch Ancestral Puebloan Ceramics  
267-e Jordan Jarrett and Andrew Duff—Ceramic Evidence for Distinct and Concurrent Puebloan and Mogollon Cultural Traditions at Largo Gap in New Mexico  
267-f Shilo Bender, Jeffrey Ferguson, and Scott VanKeuren—Rapid Qualitative Compositional Analysis of Ceramic Paints: A Study of Fourmile Polychrome  
267-g Samantha Linford and Michael Whalen—A Design Analysis Comparing Escondida Polychromes and Gila Polychromes  
267-h Emma Britton—Preliminary Analysis of Black Pigment Recipes on Casas Grandes Polychromes  
267-i Victoria Evans and Warren Lail—The Representation of Plants in Hohokam Pottery Design

**[268] POSTER SESSION ■ NEW WORLD CERAMIC TECHNOLOGY**

**Room:** Kamehameha Exhibit Hall III Foyer (HCC)

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

**Participants:**

- 268-a Andrea Einck—Petrographic Analysis of Historic Brownwares at a 19th Century Military Fort: Results and Implications  
268-b Travis Freeland—An Assessment of Portable X-Ray Fluorescence (PXRF) for Ceramic Compositional Analysis  
268-c Sylvie Kvetinova—Material Culture as a Vehicle of Social – Political Organization: Chimú Pottery  
268-d Benjamin Nigra, Kevin Hill, Michael Rosales, Chloe Tolman, and Camille Weinberg—An Analysis of Surface Ceramics from Cerro del Gentil, a Paracas Adobe Mound in the Chincha Valley, Peru  
268-e Edward Zegarra—Ceramic Production in the Wari Heartland: The Search for an Understanding of the Relationship between Type and Function Using Statistical

- 268-f Analysis Programming  
Sarah Nixon and James VanderVeen—Reproducing Ceramic Vessel Form to Reconstruct Usage: A Case Study of the Caribbean “Water” Bottle
- 268-g Elizabeth Jaroszewski—Ceramic Analysis of Southeastern Idaho Plain Ware from the Pioneer Site, Northeastern Snake River Plain

- [269] POSTER SESSION ■ THE IMPACT OF PUBLIC ARCHAEOLOGY PROGRAMS:  
EVALUATING PARTICIPANT RESPONSES AND FEEDBACK**  
(Sponsored by Public Archaeology Interest Group and The Public Education Committee)  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM  
**Chair:** Helen Keremedjiev

**Participants:**

- 269-a Suzanne Pilaar Birch—Communicating Archaeology through the Social Media Knowledge Exchange
- 269-b Robert Connolly—Alternative Measures for the Impact of Archaeological Outreach and Education
- 269-c Helen Keremedjiev—Of What Social Value Is an Archaeological Site? Park Visitor Feedback of Bear Paw, Big Hole, Little Bighorn, and Rosebud Battlefields
- 269-d Meredith Langlitz and Ben Thomas—National Archaeology Day: Creating an Archaeological Network for Public Engagement
- 269-e Maureen Malloy—Who Are Archaeology's Interested Audiences? Data from Public Inquiries to the Society for American Archaeology, 2002-2012.
- 269-f Jeanne Moe and Crystal Alegria—Absaroka Agency Volunteer Project: Longitudinal Learning Research
- 269-g Sarah Myers, Sarah Nixon, Bryan Dull, and James VanderVeen—It Takes a Village to Excavate a House: Community Engagement in Archaeological Field Schools
- 269-h John Swogger—Drawn Together: An Illustrated Archaeological Field Journal of a Season's Excavations on Palau, Micronesia

- [270] POSTER SESSION ■ POWERING THE PRESENT WHILE PRESERVING THE PAST:  
CULTURAL RESOURCES MANAGEMENT OF LARGE-SCALE HYDROELECTRIC  
PROJECTS**  
(Sponsored by HDR Engineering, Inc.)  
**Room:** Kamehameha Exhibit Hall III Foyer (HCC)  
**Time:** 2:00 PM - 4:00 PM  
**Chair:** Dawn Ramsey Ford

**Participants:**

- 270-a Judith Marvin and Rebecca Kellawan—with All Dips, Spurs, and Angles
- 270-b Sandra Flint—The Highs and Lows of Hydroelectric Projects: The Effects of Changing Water Levels on Archaeological Resources
- 270-c Dawn Ramsey Ford—Research Strategies for Large-Scale Cultural Resources Investigations: A Regional Perspective from the Sierra Nevada
- 270-d Robert Quiggle—Developing Strategies for Managing Cultural Resources at Large Hydropower Projects: A Case Study from the U.S. Gulf Coast

- [271] SYMPOSIUM ■ A WORLD ARCHAEOLOGY APPROACH TO STUDYING MORAVIAN  
MISSIONS**  
**Room:** 303A (HCC)

**Time:** 2:15 PM - 3:45 PM  
**Chair:** Beatrix Arendt

**Participants:**

- 2:15 Hans Christian Gulløv—Hope Colony and Neu Herrnhut – Studies of Mission and Inuit Settlement Patterns in 18th Century Greenland  
2:30 Einar Lund Jensen—The Friedrichsthal Mission – the Moravian Brethren at Cape Farewell  
2:45 Peter Andreas Toft—The Uummannaq Mission – Moravians and Inuit of the Nuuk Fjord, Greenland  
3:00 Beatrix Arendt—Tracking Evidence for Missionization at the Hopedale Mission in Canada  
3:15 Lucianne Lavin—The Moravian Mission at Schaghticoke: Indigenous Survival Strategies and the Melding of Christian-Indian Ideology  
3:30 Leland Ferguson—“Flocked Together on the Street”: The Archaeology of an African-American Place in Moravian Salem, North Carolina

**[272] GENERAL SESSION ■ BIOARCHAEOLOGY IN THE AMERICAS**

**Room:** 323A (HCC)  
**Time:** 2:15 PM - 4:15 PM  
**Chair:** Bernardo Arriaza

**Participants:**

- 2:15 Danielle Kurin, Danielle Kurin, and Emmanuel Gomez Choque—Preparation as Innovation: Experimentation and the Cultural Constraints of Cranial Surgery in Post-Imperial Andahuaylas, Peru (A.D. 1000-1250)  
2:30 Pedro Da-Gloria and Clark Larsen—Health and Lifestyle of the Paleoamericans of Lagoa Santa, Brazil  
2:45 Bernardo Arriaza, Vivien Standen, Karl Reinhard, Jorg Heukelbach, and Katharina Dittmar de la Cruz—Pediculosis capitis in Archaic Coastal Andean Populations of Northern Chile  
3:00 Christine Pink—Striking Out and Digging In: The Effects of the Rise and Fall of the Wari Empire on Population Genetic Structure in the Peruvian Andes  
3:15 Aimee Huard—Mortuary Patterns and Biodistance as an Interpretation of Use of Space at Cerro Mangote (7000-5000 B.P.), Panama  
3:30 Amanda Winburn—Social Class, Trauma, and Geographical Origin of Elite Individuals from Cancuén, Guatemala  
3:45 Bastien Llamas and Wolfgang Haak—In-Depth Analysis of Immune Genetic Diversity in Pre-Columbian Central Andean populations  
4:00 Priscilla Molland—Integrated Studies of Maya Bioarchaeology and Their Potential

**[273] SYMPOSIUM ■ THE ARCHAEOLOGY OF THE HUMAN EXPERIENCE**

*(Sponsored by Archaeology Division of the AAA)*

**Room:** 317B (HCC)  
**Time:** 2:15 PM - 5:00 PM  
**Chairs:** Michelle Hegmon and Margaret Nelson

**Participants:**

- 2:15 Michelle Hegmon—The Archaeology of the Human Experience: Goals and Potential  
2:30 Catherine Cameron—The Variability of the Human Experience: Marginal People and the Creation of Power  
2:45 Scott Ortman—The Physical World and the World of Discourse in Tewa Origins  
3:00 Amanda Logan and Ann Stahl—Food (In)Security and Quality of Life in Ghana over the Last Millennium

- 3:15 Laura Swantek, Jacob Freeman, Katja Brundiers, and Erica Reyes—The Impact of Competition for Arable Land on Human Securities: Polynesia as Case Study  
3:30 Q&A  
3:45 Timothy Dennehy, Benjamin Stanley, and Michael Smith—Measuring Inequality in Premodern Cities: Spatial and Built Environment Measures  
4:00 Christian Isendahl and Vernon Scarborough—Issues of Human Security at Large-Scale Transformation Events: The Case of the “Classic Maya Collapse”  
4:15 Margaret Nelson, Scott Ingram, Matthew Peebles, Andrew Dugmore, and Seth Brewington—Vulnerabilities to Food Securities: Can people Be Buffered from the Impact of Rare Climate Events?  
4:30 Seth Brewington—The Social Costs of Sustainability in the Faroe Islands  
4:45 Debra Martin—Can We Feel (Measure) Pain from the Bones? A Bioarchaeological Perspective

**[274] GENERAL SESSION ■ NEW DATA AND IDEAS IN POLYNESIAN ARCHAEOLOGY**

**Room:** 301B (HCC)  
**Time:** 3:00 PM - 4:45 PM  
**Chair:** Barry Rolett

**Participants:**

- 3:00 Ella Ussher, Alex Pryor, and Matthew Prebble—Development of an Accessible Parenchyma Comparative Collection for the Pacific and Beyond  
3:15 Seth Quintus—Intensive Food Production Systems in the Samoan Archipelago: A Case Study from Ofu Island, Manu'a Group  
3:30 Tamara Maric—Examples of Settlement Patterns in Pre-European Tahiti (Society Islands, French Polynesia)  
3:45 Daniel Stueber—Evidence for the Use of Indirect Percussion with Stone Punches in the Manufacture of Rectangular Cross-Section Type 1 Adzes during the Moa-Hunter Period of the Maori Culture in New Zealand  
4:00 Barry Rolett, Eric West, John Sinton, and Radu Iovita—Voyaging in the East Polynesian Homeland: New Evidence from the Hawaiki Core Area  
4:15 Hinanui Cauchois—Subsistence Systems and Defensive Strategies in Pre-Contact Moorea and the Society Islands  
4:30 Brian Lane and Beau DiNapoli—Preliminary Thoughts on a Shortened Chronology for East Polynesia

**[275] SYMPOSIUM ■ TEOTEPIC IN CONTEXT: NEW FINDINGS FROM THE TUXTLAS**

**MOUNTAINS, SOUTHERN VERACRUZ, MEXICO**

**Room:** 316B (HCC)  
**Time:** 3:15 PM - 5:00 PM  
**Chairs:** Philip Arnold and Amber VanDerwarker

**Participants:**

- 3:15 Philip Arnold—Teotepic and a New Tuxtla Prehistory  
3:30 Nathan Wilson and Xochitl Leon Estrada—Teotepic and the Tuxtla in the Formative Period  
3:45 Amber VanDerwarker—Patterns of Plant Subsistence in the Formative and Classic Sierra de los Tuxtlas: A Comparative Analysis of Macro-remains from Teotepic, La Joya, and Bezuapan  
4:00 Thomas Barrett and Ron Kneebone—Obsidian at Teotepic: Preliminary Results and Historical Perspectives  
4:15 Christopher Pool, Philip Arnold, and Ponciano Ortiz—Radiocarbon and Ceramic Chronologies of Matacapan, Veracruz, Mexico

- 4:30 Lourdes Budar—Qué tenemos, qué sabemos: investigaciones arqueológicas en el corredor costero de la sierra de Santa Marta en Los Tuxtlas, Veracruz  
4:45 Marcie Venter—After Teotepec: Framing Intraregional Interaction in the Western Tuxtlas

- [276] SYMPOSIUM ■ EXPOSED SITES AND BURIALS IN AREAS OF DROUGHT: ASPECTS FOR MITIGATION MEASURES.**  
**Room:** 309 (HCC)  
**Time:** 3:15 PM - 5:00 PM  
**Chairs:** Mark Howe and Danny Walker

**Participants:**

- 3:15 Mark Howe—Drought along the Rio Grande Border: Falcon Reservoir and the Last 60 Years  
3:30 Leland Bement and Robert Blasing—The Effects of Multi-Year Droughts on Cultural Resources: Headaches and Research Potentials  
3:45 Rory Becker, Danny Walker, Daniel Lynch, and Steve Haak—Searching for a Lost Mass Grave in Wyoming  
4:00 Jason Cooper and Tim Gerrish—Low Reservoir Pool Levels behind Howard A. Hanson Dam Reveals Late Prehistoric Encampment along Green River, King County, Washington  
4:15 Margan Grover—Cultural Continuity and Archaeological Extinction along the Beaufort Sea Coast, Alaska  
4:30 Michaelyn Harle, Erin Pritchard, and Edward Wells —River Operations and Its Effects on Archaeological Resources in the Tennessee River Valley  
4:45 Alan Skinner and Catrina Whitley—Drought and Burial Exposure in North Texas

- [277] GENERAL SESSION ■ INDIGENOUS RESPONSES TO COLONIALISM IN HISTORIC ARCHAEOLOGY**  
**Room:** 306A (HCC)  
**Time:** 3:45 PM - 4:45 PM  
**Chair:** Jennifer Mathews

**Participants:**

- 3:45 Robert Case—Kumeyaay Responses to the Euroamerican Intrusion in Coastal San Diego: Alternatives to Retreat  
4:00 Laurie Weinstein and Diane Hassan—Southern New England Indians in the American Revolution  
4:15 Jennifer Mathews and John Gust—Hidden History: Daily Life in the Sugar and Rum Industry of the Costa Escondida, Quintana Roo Mexico  
4:30 Di Hu—Changes in the Materiality of Language, Landscape, and Lithics in the Andes – from the Colonial Era to the Present

- [278] GENERAL SESSION ■ GREAT PLAINS ARCHAEOLOGY**  
**Room:** 305A (HCC)  
**Time:** 3:45 PM - 5:00 PM  
**Chair:** Brandi Bethke

**Participants:**

- 3:45 Craig Smith—Hunter-Gatherer Resource Sharing and Public Goods: An Archaeological Consideration from the Elk Head Site, Wyoming  
4:00 Dayna Reale—The Rise of Housepits in Archaic Wyoming: What Does It Mean?  
4:15 Daniel Pugh—Climate and Culture: Late Prehistoric Social Flux in the Central Plains

- 4:30      Veronica Mraz—An Examination of the Plains Woodland and Plains Village Periods in North Central/Eastern Oklahoma through Lithic Assemblage Comparisons
- 4:45      Brandi Bethke—A Networked Landscape: Understanding Meaningful Places along the Niobrara/Missouri National Scenic Riverways (NIMI)

**Sunday Morning ■ April 07, 2013**

**[279] SYMPOSIUM ■ OBSIDIAN CHARACTERIZATION IN TH PACIFIC RING OF FIRE**

*(Sponsored by IAOS - International Association for Obsidian Studies)*

**Room:** 317A (HCC)

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

**Chairs:** Jeffrey Ferguson and Kyle Freund

**Participants:**

- 8:00      Kyle Freund—Toward an Understanding of the Archaeological Questions That Drive Obsidian Characterization Studies in the Pacific Rim of Fire  
8:15      Jeffrey Ferguson and Masami Izuho—Japanese Obsidian: Past Use, Current Research, and Future Studies  
8:30      Richard Hughes—Obsidian Studies in California  
8:45      Michael Glascock, Michael Ohnersorgen, J. Andrew Darling, and Daniel E. Pierce—Progress on Sourcing Obsidian Artifacts from Western Mexico  
9:00      Charles Stern—Obsidian Sources and Long-Distance Transport in Southern Patagonia  
9:15      Robert Tykot—Discussant

**[280] GENERAL SESSION ■ EMERGING PERSPECTIVES IN HAWAIIAN ARCHAEOLOGY**

**Room:** 318B (HCC)

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

**Chair:** Regina Hilo

**Participants:**

- 8:00      Regina Hilo—E ola ka Hawaii: Perpetuating Hawaiian Culture  
8:15      Rosanna Runyon Thurman—Archaeological Investigations at a Traditional Hawaiian Site Complex: Systematic Documentation and Community Involvement at Maunawila Heiau  
8:30      Martha Noyes—Writing the Heavens on the Earth: Hawaiian Cultural Astronomy at Kukaniloko  
8:45      W. Masse, Rubellite Kawena Johnson, and H. David Tuggle—Relative and Absolute Dating of Hawaiian Myth  
9:00      Stanley Bond—Changing Traditions in Hawaiian Rock Art: Examples From Kaloko-Honokohau National Historical Park  
9:15      Paul Langenwalter—Prehistoric Vertebrate Animal Use at 50-Oa-B01-20, a Rockshelter in North Halawa Valley, Oahu, Hawaii

**[281] SYMPOSIUM ■ CREATIVE ALTERNATIVES FOR MANAGING CULTURAL RESOURCES ON MILITARY INSTALLATIONS**

*(Sponsored by National Guard Bureau)*

**Room:** 306B (HCC)

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

**Chair:** Jake Fruhlinger

**Participants:**

- 8:00      Kristen Mt. Joy, Heidi Fuller, Jimmy Arterberry, and Holly Houghten—Survey without Shovels: Rethinking Cultural Inventories with Tribal Nations  
8:15      Jake Fruhlinger and Nick Nydegger—Geospatial Silverlight Viewer for Assessing Site Integrity and Site Relationships in Cultural Resource Data  
8:30      Shaun Nelson, John Crane, and Kenneth Cannon—A Creative Approach to

- 8:45 Archaeological Site Mitigation at Camp Williams, Utah  
Ted Neff, Kenneth Cannon, Molly Cannon, William Eckerle, and Paul Santarone—Creative Mitigation in Action at Camp Williams, Utah: Archaeological Testing Results from Three Upland Sites
- 9:00 Cynthia Munoz and Raymond Mauldin—Deep Sands, Dense Sites, and Cool Water: Exploring Prehistoric Site Distributions on a Texas Army National Guard Facility Using GIS
- 9:15 Rebecca Klein—ACUB/REPI Lands for Offsite Archaeological Mitigation: A Marriage Proposal

**[282] FORUM ■ OPEN ACCESS – IS IT GOOD FOR ARCHAEOLOGY?***(Sponsored by Ethics Committee)***Room:** 301A (HCC)**Time:** 8:00 AM - 10:00 AM**Moderator:** Sandra Scham**Participants:**

Susan Bruning—Discussant

David Thulman—Discussant

Karen Supak—Discussant

**[283] SYMPOSIUM ■ WHEN HUMANS DOMINATED THE EARTH: ARCHAEOLOGICAL****PERSPECTIVES ON THE ANTHROPOCENE****Room:** 303B (HCC)**Time:** 8:00 AM - 10:15 AM**Chair:** Todd Braje**Participants:**

8:00 Jon Erlandson—Discussant

8:15 Todd Braje and Jon Erlandson—Humans and the Acceleration of Animal and Plant Extinctions

8:30 Bruce Smith and Melinda Zeder—The Onset of the Anthropocene

8:45 C. Melvin Aikens—Late Pleistocene and Holocene Development of Anthropogenic Landscapes in China, Korea, Japan, and the Russian Far East

9:00 Anna Roosevelt—The Anthropocene in Amazonia

9:15 Douglas Kennett—Pre-Columbian Agriculture, Deforestation, and Landscape Transformation in the Tropical Maya Lowlands

9:30 Torben Rick, Patrick Kirch, Jon Erlandson, and Scott Fitzpatrick—Islands of Change: Archaeology and Human Ecodynamics on Islands

9:45 Kent Lightfoot, Lee Panich, Tsim Schneider, and Sara Gonzalez—Anthropogenic Transformations and European Colonialism: The Effects of Early Historical Globalization in Western North America

10:00 Q&amp;A

**[284] SYMPOSIUM ■ MICROARTIFACT ANALYSIS: RECENT APPLICATIONS AND METHODS****Room:** 305A (HCC)**Time:** 8:00 AM - 10:15 AM**Chairs:** Anthony Ortmann and Lara Homsey**Participants:**

8:00 Howard Cyr, Esther Rimer, Kandace Hollenbach, and Keith Little—It's the Little Things That Count: The Importance of Multiproxy Data in the Reconstruction of Site Histories at the Widows Creek Site, Alabama

8:15 Phyllis Rigney—The Practicality of Microartifact Analyses in a CRM Context: A

8:30	Case Study from Meade County, Kentucky Anthony Ortmann and Caroline Schmidt—Investigating the Function of an Archaic Period Earthwork through Microartifact Analysis
8:45	Lynn Rainville—Mesopotamian Microartifacts and Household Activities
9:00	Lara Homsey, Kayce Humkey, Alessandra Daniel, and Kaitlyn Calvert—Microartifact Analysis of a Mississippian House Floor at Wickliffe Mounds, Kentucky
9:15	Evan Peacock and Timothy M. Ryan—High Resolution Computerized Tomography as a New Method for Microartifact Analysis
9:30	Lori Roe, Anthony Ortmann, Lara Homsey, and Kit Wesler—Incorporating Microartifact Research in Experimental Archaeology Education
9:45	Julie Stein—Discussant
10:00	Q&A

<b>[285]</b>	<b>GENERAL SESSION ■ ARCHITECTURE, LANDSCAPES, AND SEASCAPES IN SOUTH AMERICA</b> <b>Room:</b> 306A (HCC) <b>Time:</b> 8:00 AM - 10:00 AM <b>Chair:</b> Phil Riris
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**Participants:**

8:00	Phil Riris—Geospatial Modeling of Pre-Columbian Monumental Landscapes in the Eastern La Plata Basin
8:15	Matthew Piscitelli and Carmela Alarcón Ledesma—Ritual Is Power: A Multidisciplinary Exploration of Early Ceremonial Architecture at the Late Archaic Site of Huaricanga in the Fortaleza Valley of Peru
8:30	Mauricio Uribe—A Long Formative at Tarapacá: Social Evolution and Complexity in Northern Chile (400 B.C.-A.D. 900)
8:45	Ryan Clasby—The Ceja de Selva Uncovered: Exploring Long-Term Cultural Developments in the Jaén Region of the Northeastern Slopes of the Peruvian Andes
9:00	Randy Hahn and Arturo Rivera—Local Ideological Practices and Provincial Administration in the Chimú Empire
9:15	Kari Zobler—Identity at the Margins: Preliminary Excavation Results from the LIP (950–1470 C.E.) Site of Talambo, Jequetepeque Valley, Peru
9:30	Anna Harkey—The Andean Home in a Shifting World
9:45	James Richardson—In the Wake of Kon Tiki: Sailing Capabilities of Andean Watercraft and Pre-Columbian Contact between the Andes and Polynesia

<b>[286]</b>	<b>SYMPORIUM ■ BODIES OF EVIDENCE: INTEGRATING MORTUARY AND OSTEOLOGICAL ANALYSES</b> <b>Room:</b> 318A (HCC) <b>Time:</b> 8:00 AM - 10:30 AM <b>Chairs:</b> Ryan Harrod and Kyle Waller
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**Participants:**

8:00	Catrina Whitley—Female Kiva Societies in the Taos Valley: Mortuary and Bioarchaeological Evidence
8:15	Robin Yim, Rebecca E. Shattuck, Kelsi Wilson, and Kyle D. Waller—Evaluation of Mortuary Variation and Well-Being during the Middle and Late Missouri Mississippian
8:30	Pamela Stone, Ryan Harrod, and Debra Martin—Strong Women and Tired Men: A Bioarchaeological Analysis of the Role of Women in the Ancestral Pueblo World (A.D. 800-1300)

- 8:45 John McClelland—Integrating Biodistance and Mortuary Behavior: A Search for Patterns at PPNB Beidha, Southern Jordan  
 9:00 Kyle Waller—Intra-Cemetery Phenotypic and Mortuary Variation in the Casas Grandes Region of Chihuahua, Mexico  
 9:15 Haagen Klaus, Rosabella Alvarez-Calderon, Melisa Del Alcázar Orosco, Fernando Carranza Melgar, and Rocío Torres—Integrating Bioarchaeology and Mortuary Archaeology within a Holistic Framework: Life, Death, and Adaptation in a Postcontact Andean Community  
 9:30 Jessica Cerezo-Roman and James Watson—From Inhumation to Cremation: Changes in Funerary Rituals in Southern Arizona, from the Early Agricultural to Preclassic Periods  
 9:45 Christina Torres-Rouff, Kelly Knudson, and Emily Stovel—Integrative Analyses of the Larache Cemetery, San Pedro de Atacama, Chile: Combining Bioarchaeology, Biogeochemistry, and Mortuary Archaeology  
 10:00 Gordon Rakita—Discussant  
 10:15 Peer Moore-Jansen and James Simmerman—Integrating Archaeological, Biological, and Archival Data in Culture Historical Interpretation of Historic Mortuary Contexts

**[287]****SYMPORIUM ■ COMMUNITY STUDIES IN ARCHAEOLOGY: WAYS FORWARD****Room:** 303A (HCC)**Time:** 8:00 AM - 10:45 AM**Chairs:** Scott Johnson and Meaghan Peuramaki-Brown**Participants:**

- 8:00 Scott Johnson—Communities in Archaeology: Influencing Field Methods and Informing Interpretation  
 8:15 Naoise Mac Sweeney—Conceptualizing Communities  
 8:30 Meaghan Peuramaki-Brown—The Community as “Affective Assemblage”: Low-Density Urbanization at Buenavista del Cayo, Belize  
 8:45 Michael Kolb and James Snead—Settlement Aggregation and the Built-Landscape in Hawai‘i  
 9:00 Katharine Ellenberger—Chaco “Culture” and the Kin Klizhin “Community”: Estimating Human Relationships in Southwest Archaeology  
 9:15 Edward Schortman and Patricia Urban—Networks, Power, and Communities: Performing Social Unity among Households in the Terminal Classic Naco valley, Northwestern Honduras  
 9:30 Sharisse McCafferty and Geoffrey McCafferty—Communities of Practice? Garden Cities of Pacific Nicaragua  
 9:45 Shanna Diederichs, Scott G. Ortman, Kari L. Schleher, and Mark D. Varien—The Neolithic Revolution in the Pueblo World: New Evidence from the Basketmaker III Period in Southwestern Colorado  
 10:00 Jason Yaeger—Discussant  
 10:15 Marcello Canuto—Discussant  
 10:30 Q&A

**[288]****SYMPORIUM ■ CERAMICS AND SOCIETY IN EARLY MESOAMERICA AND THE AEGEAN****Room:** 319A (HCC)**Time:** 8:00 AM - 11:00 AM**Chairs:** Peter Day and Wesley Stoner**Participants:**

- 8:00 David Cheetham, Clarus Backes, James Burton, Michael D. Glascock, and Hector Neff—Chemistry and Colonization: Gulf Olmec Signatures at Canton

- 8:15 Corralito, Chiapas, Mexico  
Deborah Nichols, Wesley Stoner, Bridget Alex, and Destiny Crider—Altica and Early-Middle Formative Exchange in the Basin of Mexico: A Multi-Method Approach to Compositional Analysis
- 8:30 Ronald Bishop, James Doyle Doyle, Socorro Jiménez Alvarez, Iliana Ancona Aragón, and James Blackman—Middle–Late Formative Maya Ceramics: Circulation or Local Production?
- 8:45 Mia Jorgensen and Wesley Stoner—Potters, People, and Pottery: New Insight on Formative Period Teotihuacan Based on NAA and LA-ICP-MS of Ceramics from the Sites of Cuanalan, Tezoyuca, and Plaza One
- 9:00 Wesley Stoner and Christopher Pool—Revisiting Classic Period Economic Development in the Tuxtla Mountains, Southern Veracruz, Mexico
- 9:15 Peter Day, Anno Hein, Vassilis Kilikoglou, Noémi Müller, and David Wilson—Reconstructing Practice in Kampos Group Ceramics: Technological and Cultural Diversity in the Early Third Millennium B.C.
- 9:30 Clare Burke Davies, Peter M. Day, Anno Hein, Aggeliki Kossyva, and James R. Wiseman—Settlement Scale, Pottery Production, and Patterns of Consumption in Early Helladic Korinthia and the Argolid
- 9:45 Vassilis Kilikoglou, Ourania Kouka, Maria Relaki, Vasif Sahoglu, and David E. Wilson—Populations, Potters, or Shapes: What's on the Move in the Kastri Group?
- 10:00 Roberta Mentesana, Peter M. Day, and Simona Todaro—Pottery Manufacture in Phaistos: Continuity and Change over Two Millennia
- 10:15 Will Gilstrap, Peter M. Day, Christina Marabea, Konstantina Kaza, and Eleni Konsolaki—Bottoms Up: Ceramic Production and Consumption in the Late Mycenaean Saronic Gulf, Greece
- 10:30 Q&A
- 10:45 Roger Doonan—Discussant

- [289] SYMPOSIUM ■ LATE PREHISTORY AND EARLY HISTORIC PERIODS IN THE KOREAN REGION**  
**Room:** 319B (HCC)  
**Time:** 8:00 AM - 11:00 AM  
**Chair:** Rory Walsh

**Participants:**

- 8:00 SookChung Shin, Habeom Kim, and Song Nai Rhee—Preliminary Thinking about Trade Relationships between the Korean Peninsula and Neighboring Areas during the Neolithic Age
- 8:15 J. Rachel Lee, Ho-Pil Yun, and Yong-Geun Park—Micromorphological Investigation of an Early Mumun Period Pithouse
- 8:30 Sangtaek Lim—Exchange Systems and Socioeconomic Changes: Case of Southern Korea and Japanese Kyushu during the Neolithic Period
- 8:45 Ha Beom Kim—A Comparative Study on the Impact of Early Agriculture to Human Ecology in North China and Korea through Paleoethnobotanical Perspective
- 9:00 Kang Won Oh—Changes in Interaction Spheres among Complex Societies in Liaoning during the Bronze and Early Iron Ages (12th to 3rd Century B.C.)
- 9:15 Mark Byington and Sunmi Park—Problems Concerning the Bronze Antenna Daggers of Northeast Asia
- 9:30 Sungjoo Lee—The Transmission of Forming Techniques and the Specialization in Ceramic Production during the Proto-historic Period in South Korea
- 9:45 JeongYong Seong—Baekje's Formation of an Ancient State Observed through Pottery Style

- 10:00 Rory Walsh—Chemical Analyses of Beakje Pottery and the Social Processes of State Formation  
10:15 Sarah Nelson—Leadership in the Silla kingdom of Ancient Korea, and Relationships with the Yamato Kingdom in Ancient Japan  
10:30 Gyoung-Ah Lee—Discussant  
10:45 Q&A

**[290] GENERAL SESSION ■ RITUAL, ECONOMY, AND ENVIRONMENT IN THE ANCIENT MAYA WORLD**  
**Room:** 323C (HCC)  
**Time:** 8:00 AM - 11:00 AM  
**Chair:** Justine Shaw

**Participants:**

- 8:00 Debora Trein—Multilocality and Monumental Architecture at the Site of La Milpa, Belize  
8:15 Jack Barry and Gyles Iannone—Spatially and Socially Conceived Borderlands: A View from the Ancient Maya Center of Minanha, Belize  
8:30 Justin Bracken—Late Maya Reconceptualization and Reshaping of the Landscape: Late Postclassic Evidence from the Site of Tayasal on Lake Petén Itzá in Northern Guatemala  
8:45 Paulo Medina—Architecture that Infers Violence at El Mirador: Assessing Warfare in the Preclassic Period  
9:00 Lindsay Robinson and Laura Villamil—Space and Power: Social Dimensions of the Built Environment at Margarita, Quintana Roo, Mexico  
9:15 Justine Shaw—The Problem of Mobility in Estimating the Extent of Terminal Classic Populations in the Cochuah Region  
9:30 Megan Leight—Investigating the Late Classic Sculptural Program at Río Amarillo, Honduras  
9:45 Robyn Dodge—Hun Tun Social Complexity  
10:00 Megan Thibodeau, William Saturno, Heather Hurst, and Francesco Berna—Maya Pyrotechnology and Plaster: Integrating Micromorphology and Fourier-Transform Infrared Spectroscopy (FTIR) at San Bartolo, Guatemala  
10:15 María del Domínguez, Yolanda Espinosa, and Javier Reyes—Analysis of the Deterioration by Salt Crystallization of the Polychrome Stucco Masks of Edzna, Campeche, Mexico  
10:30 Diana Fridberg, Olivia Navarro Farr, Griselda Perez Robles, and Damaris Menendez—The Animal Face of a Ritual Space at El Peru-Waka, Guatemala  
10:45 Kiri Hagerman—Hide and Seek: Children in Ancient Maya Art and Iconography

**[291] SYMPOSIUM ■ THE FRISON INSTITUTE SYMPOSIUM: DATES AS DATA: NEW APPLICATIONS OF RADIOCARBON DATING TO ARCHAEOLOGICAL PROBLEMS**  
**Room:** 323A (HCC)  
**Time:** 8:00 AM - 11:15 AM  
**Chairs:** Robert Kelly and Nicolas Naudinot

**Participants:**

- 8:00 Jesse Ballenger and Jonathan Mabry—Temporal Frequency Distributions of Alluvium in the American Southwest: Taphonomic, Paleohydraulic, and Demographic Implications  
8:15 Kevan Edinborough, Stephen Shennan, Adrian Timpson, Sean Downey, and Mark Thomas—Boom and Bust in Europe's Early Farming Populations  
8:30 Jim Railey—Radiocarbon Dates and Long-Term Subsistence and Settlement Trends in Far Southeastern New Mexico

- 8:45 Philippe Cromb   and Erick Robinson—Dates as Demographic Proxies in Neolithization Models of Europe: A Case Study from Belgium and Northeast France  
9:00 David Rhode and P. Jeffrey Brantingham—Mind the Gaps: Testing Possible Hiatuses in Radiocarbon Dating Sequences  
9:15 Nicolas Naudinot, Antonin Tomasso, Giampaolo Dalmeri, Marco Peresani, and Carlo Tozzi—Entering the Mountain Range: Altitude Settlements at the End of the Late-Glacial in the Italic Epigravettian Area  
9:30 Kenichi Kobayashi—Impact of AMS Radiocarbon Dating on the Prehistoric Jomon Archaeology of Japan  
9:45 Mark Becker and Ian Scharlotta—Hunter-Gatherer Spatio-Temporal Patterning in San Diego County  
10:00 Marcus Hamilton and Briggs Buchanan—Tracking Late Pleistocene Human Expansions across Northeast Asia and the into the Americas Using the Radiocarbon Record  
10:15 James Steele—Dates and Dispersals: Comparing Observed and Modeled Spatial Demographic Trends with Noisy Datasets  
10:30 Brendan Culleton, Douglas J. Kennett, and David Hurst Thomas—Gatecliff Shelter: A Bayesian Analysis of the Radiocarbon Chronology  
10:45 HB Thakar—Dates, Diet, and Demography: A Detailed Chronological Framework for Evaluating Diachronic Subsistence Variation and Population Growth on the Northern Channel Islands  
11:00 John Rick—Discussant

**[292] SYMPOSIUM ■ ARCHAEOLOGIES, LEGACIES, AND HERITAGES OF COLONIAL ENCOUNTERS IN THE PACIFIC AND THE CARIBBEAN**

**Room:** 317B (HCC)

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

**Chairs:** Corinne Hofman and Ian Lilley

**Participants:**

- 8:00 Anja Vroegop—Worlds Alike? A History of Comparison between the Caribbean and the Pacific  
8:15 Chris Ballard—The Encounter of Historicities  
8:30 Reniel Rodriguez Ramos—Puerto Rican Indigenities  
8:45 Geoffrey Clark—Culture Contact and Chiefly Lineages in Tonga A.D. 1250-1880  
9:00 Roberto Valcarcel and Menno Hoogland—Early Colonial Interaction in Cuba. The “Indio” Identity  
9:15 Chris Gosden—Time and Identity in the Pacific  
9:30 Corinne Hofman and Irvince Auguste—Kalinago Connections: Archaeology and Legacy of Colonial Encounters in the Lesser Antilles  
9:45 Christophe Sand—Archaeology of Western Contact and Colonization in New Caledonia: A Southern Melanesian Perspective  
10:00 Douglas Armstrong—Systems of Enslavement and Transformations to Freedom in the Caribbean  
10:15 Anita Smith—Archaeology and World Heritage in the Pacific Island Nations  
10:30 Benoit Berard—Why We Are Our Fathers: Amerindian Heritages Social Integration Process in the French West Indies  
10:45 Matthew Spriggs and James Flexner—Mission Sites as Indigenous Heritage in Vanuatu  
11:00 Peter Siegel, Renzo S. Duin, and Jimmy L.J.A. Mans—Down-the-Line Encounters: Processes of Exchange, Post-Colonial Experiences, and Globalization in the Island of Guiana on the South American Continent  
11:15 John Terrell—Discussant

## 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
2002	Robin Torrence
2003	Carol Kramer ( <i>posthumous</i> ) Hector Neff
2004	David Lewis-Williams
2005	George H. Odell
2006	Michael Brian Schiffer
2007	Robert L. Bettinger
2008	William Andrefsky, Jr.
2009	Judith Habicht-Mauche
2010	Timothy A. Kohler
2011	Steven Shackley
2012	James Skibo

### **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

2005	T.J. (Tony) Wilkinson Susan Toby Evans
2006	Kelley Hays-Gilpin Peter Bellwood
2007	James E. Bruseth & Toni S. Turner Kristian Kristiansen & Thomas B. Larsson
2008	Bradley T. Lepper Tom Dillehay
2009	James W. Bradley Lothar Von Falkenhausen
2010	Jack Brink David W. Anthony
2011	Rebecca Yamin Vernon James Knight, Jr.
2012	Steven Simms Matthew Richard Des Lauriers Terry Hunt Carl L. Lipo

### **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

### **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
1987	Leonard W. Blake
1988	Julian Dodge Hayden
1989	J. B. Sollberger
1990	Ben C. McCary
1991	James Pendergast
1992	Stuart W. Conner
1993	Mary Elizabeth Good
1994	Leland W. Patterson
1995	Jeff Carskadden
1996	James H. Word
1997	Sidney Merrick Wheeler (posthumous) & Georgia Nancy Wheeler Felts
1998	Reca Jones
1999	Gene L. Titmus
2000	Richard P. Mason
2001	John D. "Jack" Holland
2002	Richard A. Bice
2003	Dr. Guillermo Mata Amado
2004	Robert Patten
2005	Eugene C. Winter, Jr.
2006	Karl Herbert Mayer
2007	Jay C. Blaine
2009	Paul Tanner
2010	Larry Kinsella
2011	George Poetschat
2012	John T. Dowd

**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
1995	Lawrence E. Aten
	Calvin R. Cummings
	Shereen Lerner
1995	Charles R. McGimsey III
1996	William R. Hildebrandt
1997	James J. Miller
1998	David A. Frederickson

1999	David G. Anderson
2000	Robert Jackson
2002	Laurence W. Spanne
2003	John Milner Associates & The General Services Administration
2004	Linda Mayo
2005	Arizona Site Steward Program
2007	George Smith
2008	John Walhall
2009	Mike Beckes
2010	William H. Doelle
2011	Nelly Robles Garcia

**DISSERTATION AWARD**

Presented to an archaeologist just entering the profession whose doctoral dissertation is judged to be particularly outstanding. The prize consists of three-year membership in the society.

1988	Judith A. Habicht Mauche (Harvard Univ)
1990	David J. Bernstein (SUNY- Binghamton)
1991	David Anderson (Univ of Michigan)
1992	Lynette C. Norr (Univ of Illinois)
1993	Cathy Lebo (Indiana Univ)
1994	Mary Van Buren (Univ of Arizona)
1995	David R. Abbott (Arizona State Univ)
1996	Daniel R. Finamore (Boston Univ)
1997	Alvaro Higueras-Hare (Univ of Pittsburgh)
1998	Mark D. Varien (Arizona State Univ)
1999	Karen G. Harry (Univ of Arizona)
2000	Alex Barker (Univ of Michigan)
2001	Andrew I. L. Duff (Arizona State Univ)
2002	Silvia R. Kemel (Stanford Univ)
2003	Wesley Bernardini (Arizona State Univ.)
2004	Ian G. Robertson (Arizona State Univ)
2005	Severin M. Fowles (University of Michigan)
2006	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)

**DISTINGUISHED SERVICE AWARD**  
*(Succeeded by the Lifetime Achievement Award in 2001)*

Presented annually to a member for specific accomplishments that are truly extraordinary, widely recognized as such, and of a positive and lasting quality. Recognition can be granted in a wide range of areas relating to archaeology. First awarded in 1975, SAA decided in 1980 to make the award on an annual basis.

1975	Carl Haley Chapman
	Charles Robert McGimsey III
1980	Gordon Randolph Willey
1981	Albert Clanton Spaulding
1982	Jesse David Jennings
1983	Hannah Marie Wormington
1984	James Bennett Griffin
1985	Emil Walter Haury
1986	Waldo R. Wedel
1987	William A. Ritchie
1988	Richard B. Woodbury
	Nathalie F. S. Woodbury
1989	George Irving Quimby
1990	Fred Wendorf
1991	Douglas Schwartz
1992	John E. Yellen
1993	George J. Gumerman
1994	Hester A. Davis
1995	Stuart Struever
1996	Robert McCormick Adams
1997	Dena Dincauze
1998	Raymond H. Thompson
1999	James A. Brown
2000	William D. Lipe

**FRYXELL AWARD FOR INTERDISCIPLINARY RESEARCH**

Initiated in 1977 to specially recognize interdisciplinary excellence by a distinguished scientist, who need not be an archaeologist but whose research has contributed significantly to American archaeology. Each year the award is based on practice in one of five disciplines: earth sciences, physical sciences, general interdisciplinary studies, zoological sciences, and botanical sciences. The award, which consists of a citation and a medallion, was named in memory of Roald Fryxell, whose career exemplified so well the crucial role of interdisciplinary cooperation in archaeology.

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

**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.

**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

**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

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

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

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

1999	Lokelani H. Aipa
	Frank Mt. Pleasant
	Leslie Awong
2000	Leander Lucero
	Amada Rockman
	Lahela Perry
2001	Bonnie Lee Dziadasek
	Desiree Martinez
	Blair First Rider
2002	Deona Naboa
	Natalie Ball
	Tracy Pierre
2003	Michael Garcia
	Gordon C. Moore
	Carley Kaleo Veary
	Scott T. Kikilo'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

2009	Simon Solomon Shianne Sebastian Ira K. Matt Wesley D. Miles
2010	Wesley D. Miles Simon Arthur Solomon Elijah Sanderson Robert James David
2011	Kevin J. Brown Liana Staci Hesler
2012	Joshua Castleman Joel Nicholas Autumn Whiteway

**ARTHUR C. PARKER SCHOLARSHIP**

This scholarship supports training in archaeological methods for students and Personnel of tribal or other Native cultural preservation programs who are from Native or indigenous populations in the United States and Canada. The scholarship is named in honor of SAA's first president, Arthur C. Parker, who was of Seneca ancestry.

1998	Angela J. Neller
1999	Iwalani Ching
2000	Randy Thompson
2001	Cynthia Williams
2002	Nola Markey
2003	Kalewa Skye Arie Correa
2004	Sean P. Naleimaile
2005	Larae Buckskin
2006	Malia Kapuanalani Evans-Mason
2007	Ora Marek
2008	Marie Sina Faatuala
2009	Travis Maki
2010	Paulette Faith Steeves
2011	Kamakana Christian Ferreira
2012	Ashleigh Thompson

**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

**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

**FRED PLOG MEMORIAL FELLOWSHIP**

The Fred Plog Memorial Fellowship is named for a major archaeologist in Southwest research who also was an inspiring teacher.

1999	Sarah Herr
2001	Deborah Huntley
2005	Greg Schachner
2007	Michael Mathiowetz
2008	Todd Pitezel
2009	Deanna Grimstead
2010	Samuel Duwe
2011	Matthew Peebles
2012	William Reitze
	Joshua Watts

**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 ( <i>student</i> ) Virginia Butler & James Chatters ( <i>Professional</i> )
1994	Alanah J. Woody ( <i>Student</i> ) George R. Miller & James S. Oliver ( <i>Professional</i> ) Dennis E. Lewarch & Laura S. Phillips ( <i>organizers, outstanding Poster Symposium</i> )
1995	Tim Hunt, Mark Madsen, & Carl Lipo ( <i>Student</i> ) Brenda J. Baker & Maria A. Liston ( <i>Professional</i> )
1996	Clinton C. Hoffman ( <i>Student</i> ) Adam King ( <i>Student</i> ) Stephen H. Lekson ( <i>Professional</i> )
1997	Anastasia Steffen, Rita Moots Skinner, & Ann F. Ramenofsky

	(Student) Judith A. Habicht-Mauche, A Russell Flegal, Stephen Glenn, & Horner Milford ( <i>Professional</i> )	1990	Jerome A. Miller Nathalie F. S. Woodbury Lynne Goldstein
1998	Lisa Nagaoka ( <i>Student</i> ) Shannon P. McPherron & Harold L. Dibble ( <i>Professional</i> )	1991	Rachael Hamilton Keith Kintigh Earl Lubensky
1999	Diana Greenlee, Robert C. Dunnell, Terry Hunt, and Michael Pfeffer ( <i>Student</i> ) Neal H. Lopinot & Jack H. Ray ( <i>Professional</i> )	1992	Loretta Neumann Kathleen Reinburg David Hurst Thomas
2000	Diana M. Greenlee ( <i>Student</i> ) Fraser D. Neiman ( <i>Professional</i> )	1993	Mark Leone Jeremy A. Sabloff Jerald Milanich
2001	Jonathan Scholnick, Derek Wheeler, & Fraser Neiman ( <i>Student</i> ) Jeffrey Homburg, Eric Brevic, Jeffrey Altschul, Anthony Orme & Steven Shelly ( <i>Professional</i> )	1994	Daniel G. Roberts Bruce D. Smith Vincas P. Steponaitis David S. Brose Edward Friedman R. Bruce McMillan Teresita Majewski William H. Marquardt
2002	Laura Smith, James Jordan, David Johnson, Casey Haskell & Herbert Maschner ( <i>Student</i> ) Manuel R. Palacios-Fest & Jeffrey A. Homburg ( <i>Professional</i> )	1995	Dan F. Morse J. Daniel Rogers Katharina J. Schreiber Dean Snow Vincas P. Steponaitis Paul Takac Mark Aldenderfer Roger Anyon Robert Drennan
2003	Stacey Chambliss ( <i>Student</i> ) Diana M. Greenlee ( <i>Professional</i> )		Diane Gifford-Gonzalez Lynne Goldstein
2004	Andrew Isaac, Mark Muldoon, Keri Brown & Terry Brown ( <i>Overall</i> ) Sara Bon-Harper, Jennifer Aultman, Nick Bon-Harper & Derek Wheeler ( <i>Professional</i> ) Stacy Lengel ( <i>Student</i> )		Keith Kintigh Mark J. Lynott Phyllis Messenger, KC Smith, & Cathy MacDonald Paul Minnis Bruce E. Rippeteau Alison Wylie Melinda A. Zeder Brian Fagan Paul Fish & Suzanne K. Fish
2005	Ethan Cochrane, Julie Field & Diana Greenlee ( <i>Student</i> )		Jonathan Lizee
2005	James Feathers, Jack Johnson & Silvia Kembel ( <i>Professional</i> )		Toni Moore
2006	Ruth Dickau ( <i>Student</i> )		Carol Shull
2006	Robert Hard, Cynthia Muñez & Anne Katzenberg ( <i>Professional</i> )		George Stuart
2007	Jeffrey Ferguson, Jelmer E. Eerkens & Michael Glascock ( <i>Professional</i> )	1996	Mark Aldenderfer David Anderson Roger Anyon & T. J.
2007	Bridget Zavala & Jose Luis Punzo Diaz ( <i>Student</i> )		Ferguson Keith Kintigh Florence Lister
2008	Brandi Lee MacDonald, R.G.V. Hancock, Alison Pidruczny & Aubrey Cannon ( <i>Student</i> )		Donna Seifert Joe Watkins
2009	Susan M. Mentzer ( <i>Student</i> )		Stephen Dyson for
2010	Metin I. Eren, Adam Durant & Christina Neudorf ( <i>Student</i> )		
2011	Alexander Smith & Danielle Raad ( <i>Student</i> )	1997	

**PRESIDENTIAL RECOGNITION AWARD**

Instituted in 1990 to permit SAA to recognize 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.

	<i>Archaeology Magazine</i>	Bruce Smith
	Ed Friedman	Fundraising Committee:
	Janet Levy	William Doelle
	William Lovis	Susan Bender
1999	Caryn Berg	Cathy Cameron
	Susan J. Bender	John E. Kelly
	Judith A. Bense	Paul Minnis
	Jon S. Czaplicki	Linda Pierce
	Gary Feinman	Bruce Rippey
	Linda Manzanilla	Martha Rolingson
	Tristine Lee Smart	Ken Sassaman
	George S. Smith	Susan B. Bruning
2000	Joe Watkins	Paul Minnis
	Lynne Goldstein	Jonathan Muller
	James A. Goold	Barbara M. Arroyo
	Kurt E. Dongoske	Tomas Enrique-
2001	Mark Aldenderfer	Mendizabal Archibald
	Patricia Gilman	Christopher D. Dore
	The Law Department of the National Trust for Historic Preservation	Daniel H. Sandweiss
	Francis P. McManamon	
	Ian W. Brown	
2002	Michael J. Fanelli	
	Donald Forsyth Craib	
	Johnna Hutira	
2003	John Chamblee	
	Fred Wendorf, Stuart Struever, & Doug Schwartz	
2004	Garth Bawden	
	Julie Hollowell-Zimmer & Chip Colwell-	
	Chanthaphonh	
	Erin Kuns	
	William Longacre	
2005	MATRIX Project	
2006	SAA National Historic Landmarks Committee	
2007	PEC Web Pages Working Group	
	John Kantner	
2008	Alex Barker	
	Nelly Robles Garcia	
	Daniel H. Sandweiss	
2009	Phillip L. Walker	
2010	75th Anniversary Task Force: Jeremy Sabloff	
	James Snead	
	Wendy Ashmore	
	David Brownman	
	Don Fowler	
	Lisa Lecount	
	Linda Manzanilla	
		<b>AWARD FOR EXCELLENCE IN PUBLIC EDUCATION</b>
		Begun 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 5 <sup>th</sup> 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
		<b>PUBLIC SERVICE AWARD</b>
		Begun 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:



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

### PRESIDENTS OF SAA

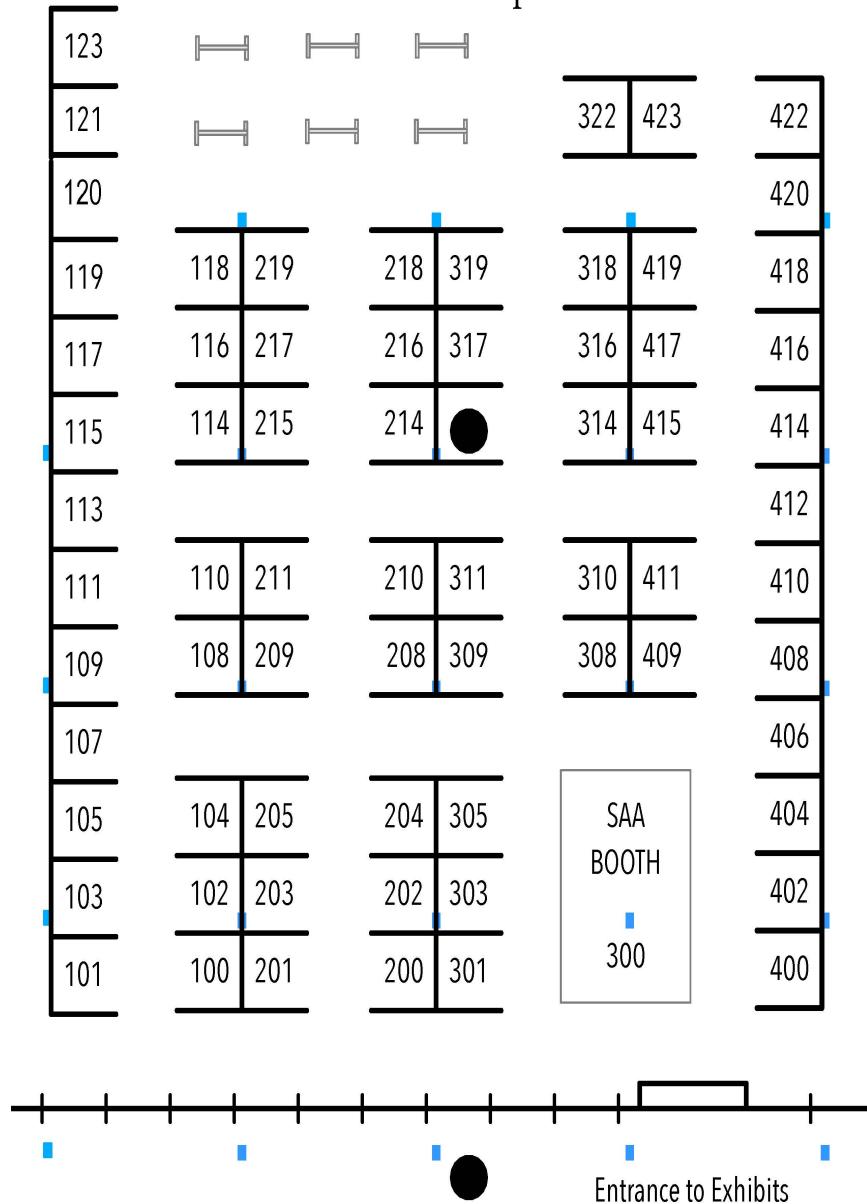
A. C. Parker	1935-1936	Raymond H. Thompson	1976-1977
Diamond Jeness	1936-1937	Cynthia Irwin-Williams	1977-1979
A. V. Kidder	1937-1938	Fred Wendorf	1979-1981
Edgar B. Howard	1938-1939	Richard E. W. Adams	1981-1983
Neil Judd	1939-1940	George C. Frison	1983-1985
W. C. McKern	1940-1941	Don Fowler	1985-1987
Glenn Black	1941-1942	Dena Dincauze	1987-1989
Nels C. Nelson	1942-1943	Jeremy A. Sabloff	1989-1991
Emil W. Haury	1943-1944	Prudence Rice	1991-1993
J. Alden Mason	1944-1945	Bruce D. Smith	1993-1995
Carl E. Guthe	1945-1946	William D. Lipe	1995-1997
Frederick Johnson	1946-1947	Vincas P. Steponaitis	1997-1999
Douglas S. Byers	1947-1948	Keith W. Kintigh	1999-2001
Waldo R. Wedel	1948-1949	Robert L. Kelly	2001-2003
J. O. Brew	1949-1950	Lynne Sebastian	2003-2005
Frank Roberts Jr.	1950-1951	Kenneth M. Ames	2005-2007
James B. Griffin	1951-1952	Dean R. Snow	2007-2009
Irving Rouse	1952-1953	Margaret W. Conkey	2009-2011
Gordon F. Ekholm	1953-1954	W. Fredrick Limp	2011-2013
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	1st Andover, MA. December 1935	
Junius Bird	1961-1962	2nd Washington, D.C.	
David A. Baerreis	1962-1963	December 1936	
James A. Ford	1963-1964	3rd Milwaukee, WI May 1938	
Albert C. Spaulding	1964-1965	4th Ann Arbor, Mi. May 1939	
Paul S. Martin	1965-1966	5th Indianapolis, IN April 1940	
Joe B. Wheat	1966-1967	6th Minneapolis, MN May 1941	
Gordon R. Willey	1967-1968	7th Cincinnati, OH May 1942	
H. Marie Wormington	1968-1969	8th ( <i>Because of travel difficulties &amp; other wartime restrictions, the 1943 Annual Meeting was conducted by mail by the Executive Committee, whose actions were approved at the next Annual Meeting.</i> )	
Ignacio Bernal	1969-1970	9th Washington, D.C. May 1944	
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		

### ANNUAL MEETING SITES

1st	Andover, MA. December 1935
2nd	Washington, D.C.
	December 1936
3rd	Milwaukee, WI May 1938
4th	Ann Arbor, Mi. May 1939
5th	Indianapolis, IN April 1940
6th	Minneapolis, MN May 1941
7th	Cincinnati, OH May 1942
8th	( <i>Because of travel difficulties &amp; other wartime restrictions, the 1943 Annual Meeting was conducted by mail by the Executive Committee, whose actions were approved at the next Annual Meeting.</i> )
9th	Washington, D.C. May 1944

10th	Washington, D.C. May 1945	72nd	Austin, TX April 2007
11th	Indianapolis, IN May 1946	73rd	Vancouver, BC March 2008
12th	Ann Arbor, MI May 1947	74th	Atlanta, GA April 2009
13th	Milwaukee, WI May 1948	75th	St. Louis, MO April 2010
14th	Bloomington, IN May 1949	76th	Sacramento, CA Mar-Apr 2011
15th	Norman, OK May 1950	77th	Memphis, TN April 2012
16th	Evanston, IL May 1951	78th	Honolulu, HI April 2013
17th	Columbus, OH May 1952		
18th	Urbana, IL May 1953		
19th	Albany, NY May 1954		
20th	Bloomington, IN May 1955		
21st	Lincoln, NE May 1956		
22nd	Madison, WI May 1957		
23rd	Norman, OK May 1958		
24th	Salt Lake City, UT May 1959		
25th	New Haven, CT May 1960		
26th	Columbus, OH May 1961		
27th	Tucson, AZ May 1962		
28th	Boulder, CO May 1963		
29th	Chapel Hill, NC May 1964		
30th	Urbana, IL May 1965		
31st	Reno, NV May 1966		
32nd	Ann Arbor, MI May 1967		
33rd	Santa Fe, NM May 1968		
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		

### Exhibit Map



## Exhibitor Directory

**American Rock Art Research****Association****201 W. Solomon****Midland TX 79705-3032****#215**

The American Rock Art Research Association is a diverse community of members who are 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.

**Antiquity****Department of Archaeology****Durham University****Durham DH1 3LE****United Kingdom****#113**

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****#200**

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.

**Beta Analytic****4985 SW 74th Court****Miami FL 33155-4471****#301**

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****#114**

Dino-Lite portable digital microscopes and eyepiece cameras provide high-quality microscopy video interfacing to PC and MAC with clear and steady imaging. Most models provide 10x-200x along with a multitude of software features.

**Bruker Elemental****415 N. Quay Street****Kennewick WA 99336-7783****#303**

Bruker Elemental, a technology leader in handheld XRF analyzers, provides a range of analyzers for use in elemental analysis. The Tracer series is the defacto standard in portable XRF analyzers used in authentication, conservation and restoration of art and other historic artifacts.

**CAIS, University of Georgia****120 Riverbend Road****Athens GA 30602-1510****#100**

Center for Applied Isotope Studies at University of Georgia conducts precise AMS and LSC radiocarbon dating with standard deviation better than  $\pm 30$  years and stable isotope analyses for paleodietary and paleoenvironmental reconstruction. Professional staff

performs analyses with high quality and standard turnaround time 3-4 weeks.

**Cambridge University Press**  
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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 Digital Archaeology, UC Berkeley**  
Dept. Anthropology #3710  
University of California Berkeley  
Berkeley CA 94720  
**#418**  
CoDA is a non-profit organization to assist archaeologists and heritage projects to take charge of their resources with digital tools, including virtual heritage for indigenous groups (e.g., Mukurtu), database development and recording strategies.

**Cotsen Institute of Archaeology at UCLA**  
308 Charles E. Young Dr. N  
A210 Fowler Building, Box 951510  
Los Angeles CA 90095-1510  
**#317 & 319**  
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  
**#123**  
Want to see what your local archaeology society is up to? At the Council of Affiliated Societies (CoAS) Booth you can pick up literature about the activities of societies across the US and Canada. CoAS sponsors the Annual Archaeology Month Poster Contest too, so peruse the posters near our booth and cast your ballot for your favorite one by Friday at noon. Your ballot is in your registration materials.

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**Digital Antiquity**  
SHESC - Arizona State University  
Tempe AZ 85287  
**#408**  
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 Digital Archaeological Record), a digital repository for discovering, managing, preserving, and using archaeological information.

**DirectAMS**  
**550 17th Ave**  
**Suite 550**  
**Seattle WA 98122**  
**#208**

Welcome to DirectAMS, the radiocarbon dating unit of Accium BioSciences. Please visit us at [www.directAMS.net](http://www.directAMS.net).

**Dudek**  
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**Encinitas CA 92024**  
**#102**

Dudek's cultural services include prehistoric archaeological site identification, significance testing, and mitigation programs; architectural historical assessments; Federal Section 106 investigations and documentation; paleontological resource assessments; cultural resource management plans; and project site constraint analyses.

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**Durham DH1 3LE**  
**United Kingdom**

**#105**

Are you interested in furthering your international education? The Departments of Archaeology and Anthropology at Durham University, England provide a range of undergraduate and graduate (taught and research postgraduate) degrees. Staff will be available to talk about the university and its programs, and to assist interested colleagues in selecting the right course of study.

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**Amsterdam 1043 NX**  
**Netherlands**

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Elsevier is a world-leading provider of scientific, technical and medical information products and services. The company works in partnership with the

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**European Association of Archaeologists**  
**Letenska 4**  
**Praha 1 11801**  
**Czech Republic**

**#116**

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.

**Forensic Archaeology Recovery (FAR)**  
**235 River Farm Drive**  
**East Greenwich RI 02818-2127**

**#420**

Forensic Archaeology Recovery is a non-profit humanitarian organization employing archaeological methods to assist in the possible location and recovery of missing and lost individuals. We also assist authorities in the recovery of personal effects and human remains at mass casualty events.

**GEM Advanced Magnetometers**  
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**Markham ON L3R 5H6**  
**Canada**

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**Geophysical Survey Systems, Inc.**

**12 Industrial Way  
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USA**

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**GNS Science / Rafter Radiocarbon**

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Gracefield, Lower Hutt 5040**

**New Zealand**

**#402**

Rafter Radiocarbon is the world's oldest continuously operating radiocarbon dating lab. A division of GNS Science, New Zealand's earth science research institute we offer quality commercial AMS radiocarbon dating services to clients around the world in applications such as archaeology, geology, earth and environmental science. We have been helping researchers with their radiocarbon dating needs for over 50 years.

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**ISD**

**70 Enterprise Drive  
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ISD distributes books for premier archaeology publishers, including Equinox Publishing, Acumen, Aarhus University Press, and ASOR.

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**Netherlands**

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**USA**

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**Galway**  
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**Society for American Archaeology**  
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**Washington DC 20005**

**#422**

The Native American Scholarships Fund fosters shared purpose and positive interaction between the archaeological and Native communities. Scholarships are awarded annually to support training in archaeological methods and undergraduate and graduate education, for Native peoples from the Americas, Alaska Natives, Native Hawaiians, and Indigenous Pacific Islanders who are students or employees of tribal cultural preservation programs. Proceeds from our Silent Auction go directly to scholarships support. Visit our booth to

see the variety of goods you may bid on including used and new archaeology books, jewelry, crafts, and textiles! For more information, please visit: [www.saa.org/scholarships](http://www.saa.org/scholarships)

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**QLC ArcheoLINK**  
**Hillegomstraat 12-14**  
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**Netherlands**

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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.

**Register of Professional Archaeologists**  
**3601 E. Joppa Road**  
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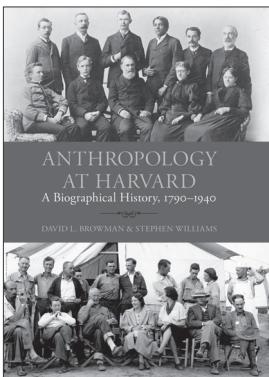
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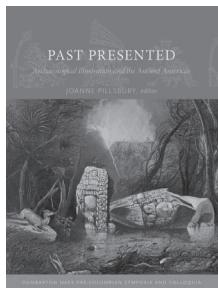


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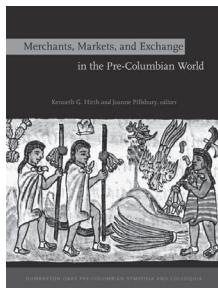
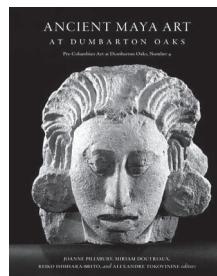
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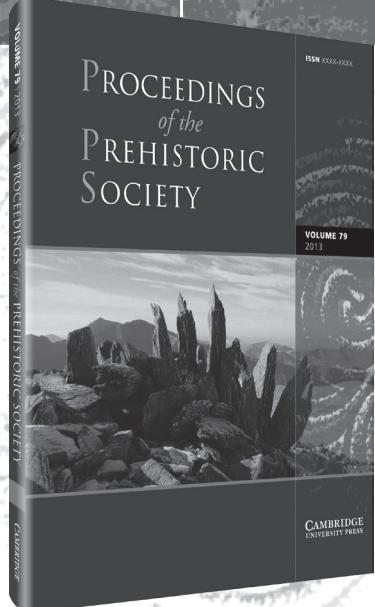
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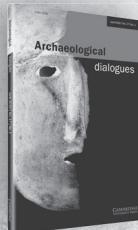
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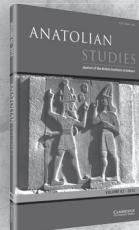
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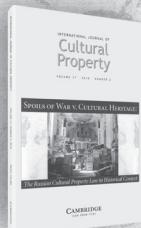
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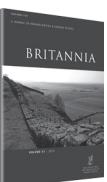


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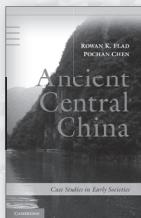
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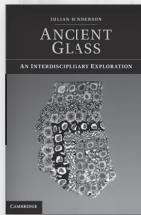
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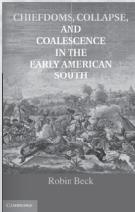
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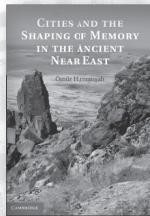
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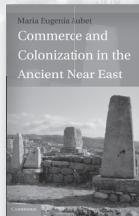
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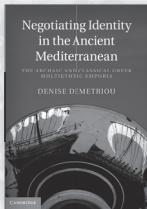
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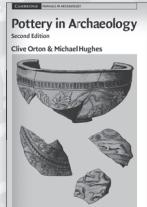


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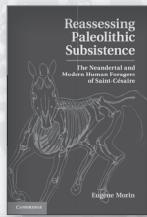
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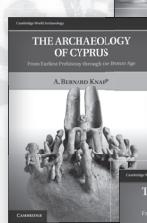
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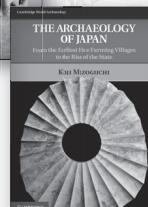
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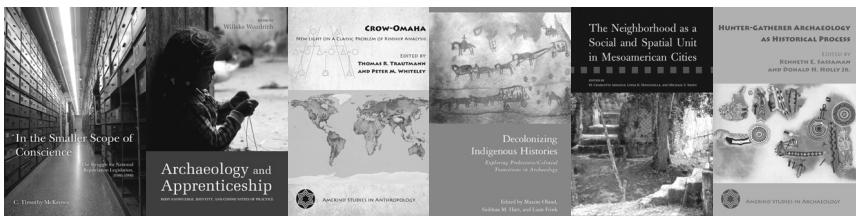
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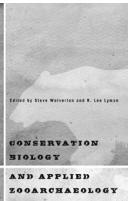
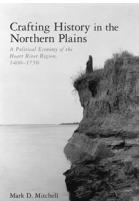
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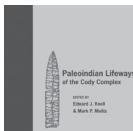
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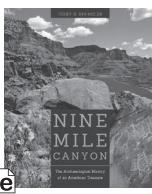
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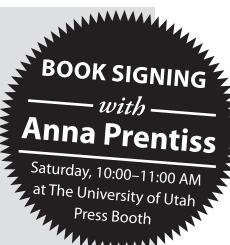
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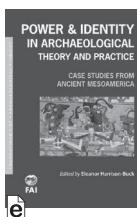
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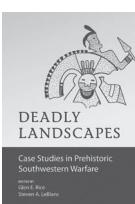
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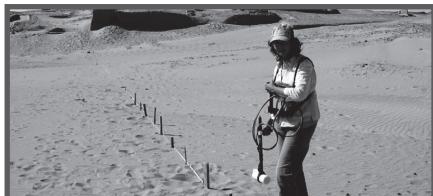
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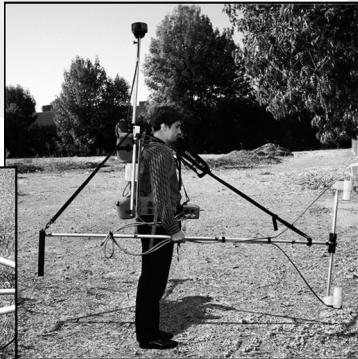
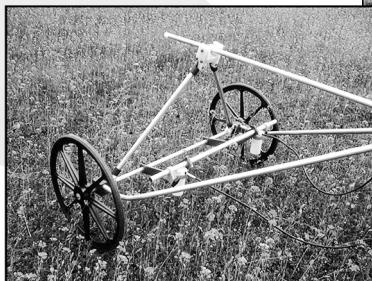
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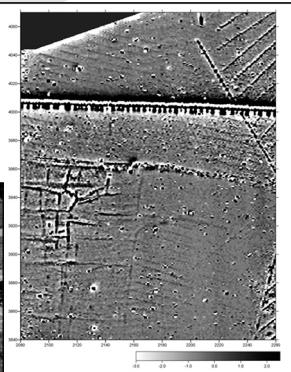
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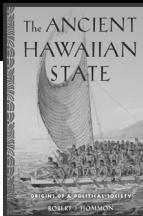


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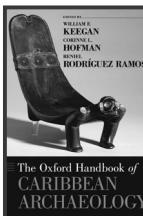
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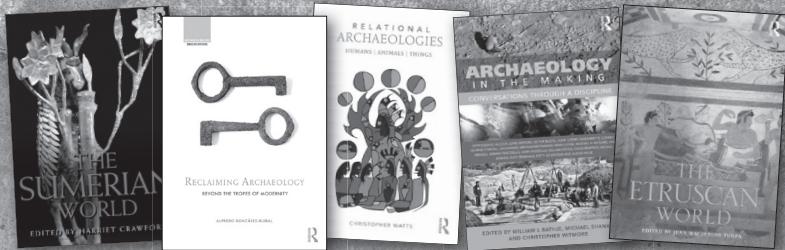
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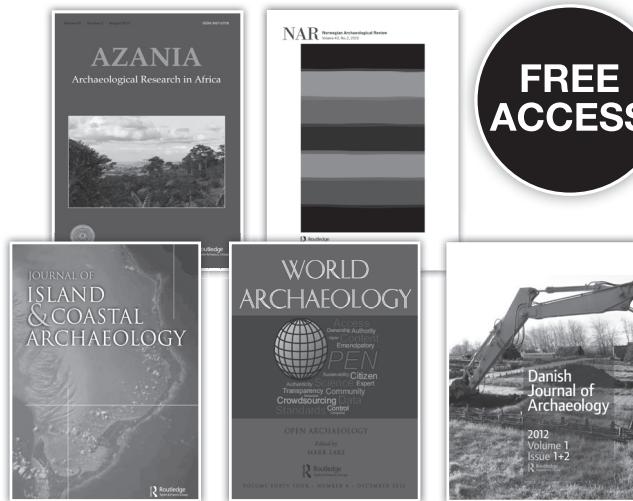
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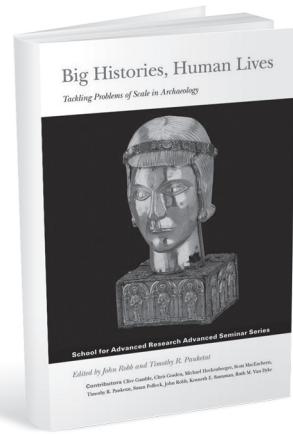
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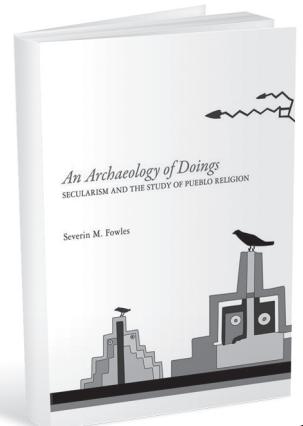
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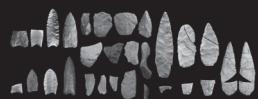
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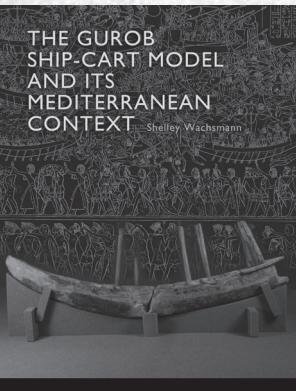
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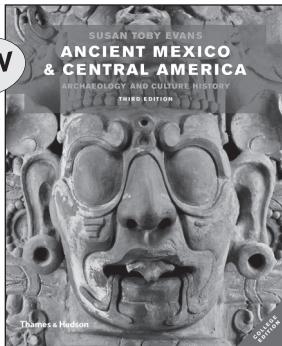
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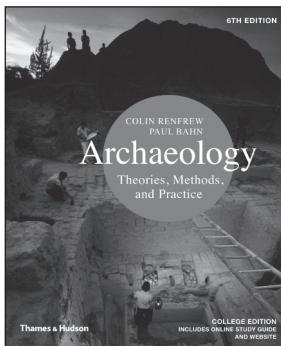
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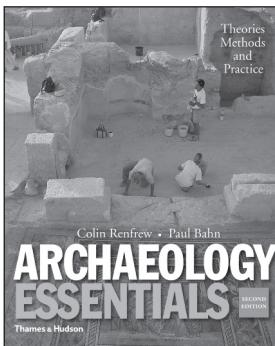
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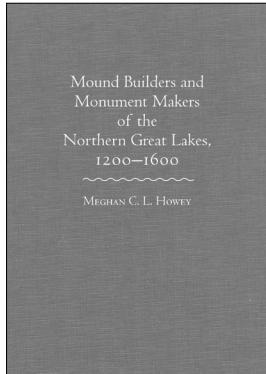


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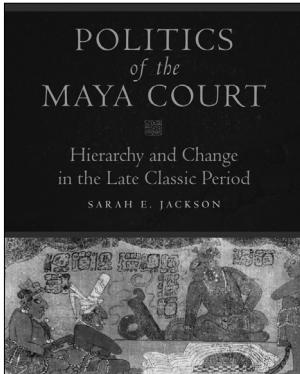
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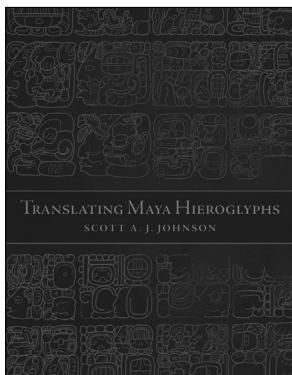
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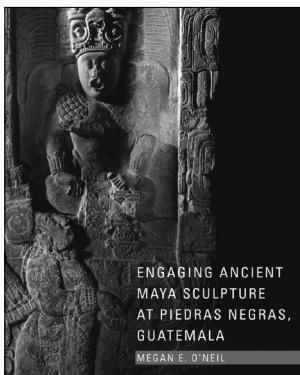
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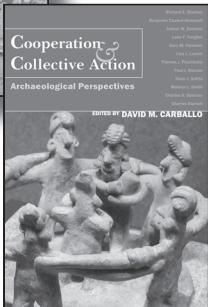
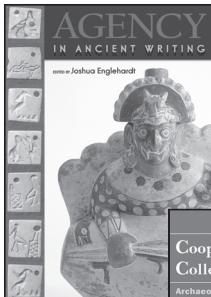


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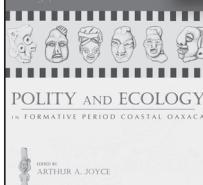
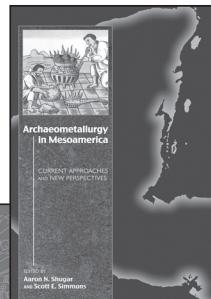
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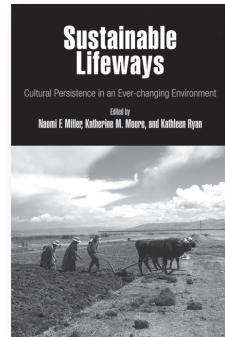
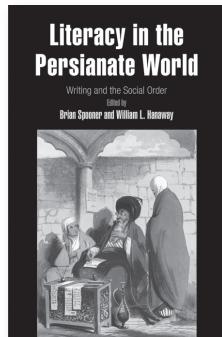
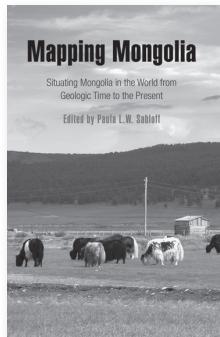
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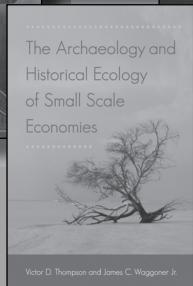
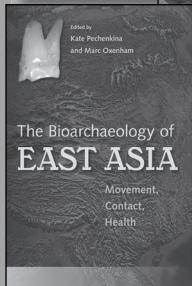
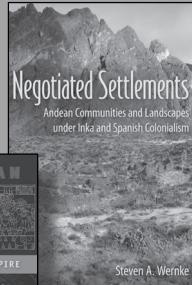
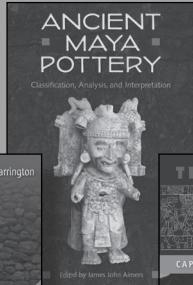
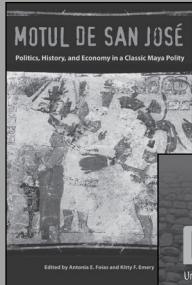
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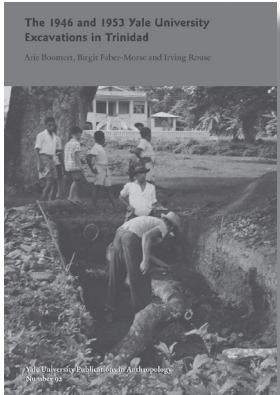
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