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54TH ANNUAL MEETING PROGRAM

March 12–15, 2020
Riverside, California

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David A. Fredrickson Lifetime Achievement Award
Julia Bendímez-Patterson

Excellence in Cultural Resource Management Award
Patricia Garcia, Tribal Historic Preservation Officer, Agua Caliente Band of Cahuilla Indians

Martin A. Baumhoff Award
California Department of Parks and Recreation Cultural Resources Division

Golden Shovel Award
David Glover, Archaeological Research Center, Sacramento State University

SCA Presidential and Piper Award
Alex DeGeorgey, Michael Newland, Natalie Brodie, and the Institute of Canine Forensics

Charles E. Rozaire Award for Student Research in California Archaeology
Jessica Morales

Student Paper and Poster Awards
To be announced

Orphaned Collections Project Award
Susan Gilliland and Joan Schneider
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The theme *Archaeology into the Future* was selected for the 2020 meeting to highlight the fact that one of the promises of archaeology has always been that knowledge of the past will inform the future. The SCA encourages its members to realize this potential in many ways, including:

- Conduct archaeological studies that are relevant and inclusive to descendant communities;
- Integrate multiple, diverse perspectives to interpret and understand the past;
- Mine archaeological topics to address current environmental topics such as climate change;
- Present archaeological results in engaging, informative, and innovative ways;
- Incorporate modern technology and tools for better data collection and presentation; and more.
Special Events

Social Hour in Recognition of California State Parks Publications
Thursday, March 12, Exhibit Hall C, 4:00 pm - 6:30 pm

The SCA is pleased to present the 2020 Martin A. Baumhoff Award to the California Department of Parks and Recreation Cultural Resources Division, in recognition of the revived *Publications in Cultural Heritage* series. During our Thursday evening reception, we will celebrate the variety and breadth of the topics covered in the series, with special thanks to the series editors Rick Fitzgerald and Chris Corey, along with all of the individual authors.

Reception/Silent Auction
Friday, March 13, Exhibit Hall C, 6:30 pm - 10:00 pm

The 2020 Reception/Silent Auction and beer and wine tasting event will be held at the Riverside Convention Center. Dinner will feature a taco bar, a veggie spread with dips, empanadas, and artisan salad. As you taste your way through the offerings, there will be many items up for auction. From books to citrus, to antiques and crafts, the Silent Auction always has something for everyone. As usual, the fabulous CRM firms that are a part of our community will host a variety of tasty beverages. This year, the Golden Shovel Award will be presented at this event. The recipient is David Glover, Archaeological Research Center, Sacramento State University.

Let’s Do Lunch
(Preregistration required)
Saturday, March 14, 12:00 pm – 1:00 pm (meet in the registration area at 11:45 a.m.)

Let’s Do Lunch pairs students with senior members for lunch, providing students an opportunity to meet an archaeological professional and ask questions about obtaining a job, building a resume, or getting into graduate school. Pairing people at random gives students a chance to meet professionals that they might not otherwise encounter at the meeting. This also gives the senior members of our Society a chance to mentor the next generation of California archaeologists and pass along knowledge about how to be successful in the field. The SCA will arrange for a venue for the luncheon. The regular member is asked to “treat” the student member by buying them lunch. While regular members will be paired with a single student, the venue will probably seat multiple pairs together, so there will be opportunities for students to chat with more than one professional. This is a wonderful event, so please check the box in your registration packet to participate in Let’s Do Lunch.

Student Mixer, Saturday, March 14
Saturday, March 14, Ballroom B, 4:00 pm - 6:00 pm

The Student Affairs Committee has organized its annual Student Mixer at the 2020 SCA Annual Meeting. The goal of the Student Mixer is to provide students an opportunity to network with archaeology professionals and academics in the California archaeological community. Students, please come and take advantage of the years of collective wisdom from our group of professionals participating in this year’s event. Come prepared to mix, mingle, and ask questions about getting archaeology jobs or internships in California, advice for creating more competitive resumes, and suggestions for getting into graduate programs. The student mixer will be held prior to the Annual Banquet in conjunction with a cash bar. Come one, come all to mix and mingle and provide advice to the next generation of California archaeologists.

Annual Banquet
Saturday, March 14, 2020, Exhibit Hall C&D, 6:30 - 10:00

At this year’s Annual Banquet, the David A. Fredrickson Lifetime Achievement Award and the SCA Presidential and Piper Award will be presented. The Lifetime Achievement Award will be presented to Julia Bendímez-Patterson of the Instituto
Nacional de Antropología e Historia (retired). The award will be presented by Richard Carrico and William Eckhardt. Rebecca Allen will present the SCA Presidential and Piper Award presented to Alex DeGeorgey, Michael Newland, Natalie Brodie, and the Institute for Canine Forensics. Dr. Joe Joseph and Kate Leese will be making a presentation about the Veterans Curation Program (VCP). The VCP was created to provide veterans a bridging experience from military service into the public sector, and to process at-risk archaeological collections belonging to the U.S. Army Corps of Engineers.

**Book Signings**
Friday, March 13, and Saturday, March 14
Book Room, Exhibit Hall B, 12:00-1:00 pm

Friday
Kathleen Hull and John Douglass -- *Forging Communities in Colonial Alta California*
Seth Mallios -- *Born a Slave, Died a Pioneer: Nathan Harrison and the Historical Archaeology of Legend*
Lee Panich -- *Narratives of Persistence: Indigenous Negotiations of Colonialism in Alta and Baja California*

Saturday
Rebecca Allen, Glenn Farris, and Candace Ehringer -- *New Life for Archaeological Collections*
Kent Lightfoot -- *Metini Village: An Archaeological Study of Sustained Colonialism in Northern California*
Edward Von der Porten -- *Ghost Galleon: The Discovery and Archaeology of the San Juanillo on the Shores of Baja California* (John Schlagheck will represent the research team for the Von der Porten signing.)
Schedule At A Glance

Thursday, March 12

Workshops, all day
4:00 pm - 6:30 pm
Social Hour in Recognition of California State Parks Publications (Exhibit Hall C)

Friday, March 13

8:30 am - 12:00 pm
Plenary Session: Archaeology into the Future (Exhibit Hall C&D)

1:00 pm - 2:30 pm
General Session 1: Coastal Archaeology of Southern California and the Channel Islands (MR 9&10)

1:00 pm - 2:45 pm
General Session 2: Prehistoric Archaeology of Southern California (RC E&B)

3:30 pm - 4:30 pm
General Session 5: Bioarchaeological Studies in the Bay Area and Central California (RC E&B)

1:00 pm - 3:30 pm
Symposium 1: Recent Research in Behavioral Ecologically Focused Experimental Archaeology (Exhibit Hall C)

1:00 pm - 4:00 pm
Symposium 6: Data Recovery Excavations at Sec he, CA-RIV-162, an Early Site in the Coachella Valley (RC D&A)

1:30 pm – 4:45 pm
Symposium 3: The Archaeological Investigation of Landscape and Seascape Stewardship Practices on the Santa Cruz Coast (Ballroom A)

1:30 pm - 4:00 pm
Symposium 2: Ducks, Deer, Bears, Oh My! – Papers in Honor of Dwight D. Simons (Exhibit Hall D)

3:00 pm - 4:00 pm
General Session 3: Topics in Cultural Resources Management (MR 9&10)

1:15 pm - 2:45 pm
Symposium 5: Diaspora, Place, and Mobility: The Archaeology of California’s Immigrant Communities (MR 7&8)

1:00 pm - 4:00 pm
General Poster Session 2: Posters on Historical Archaeology (Exhibit Hall B)

3:30 pm - 4:30 pm
Legislative Committee Meetings (MR 7&8)

6:30 pm - 10:00 pm
Silent Auction (Exhibit Hall C)

Saturday, March 14

8:00 am - 9:30 am
Forum 2, Part I: NAPC Community Roundtable, Collaboration, and Consultation (MR 9&10)
8:30 am - 11:30 am
Forum 4: While Working in the Present: The Second Interactive Forum Designed to Connect SCA Members to the California Historical Resources Information System (Ballroom B)

8:00 am - 11:45 pm
Symposium 8: Cowboy Ecologist: Papers in Honor of Robert L. Bettinger (Exhibit Hall C)

9:00 am - 10:15 am
Symposium 11: Telling Our Story (RC F&C)

9:00 am - 10:45 am
Symposium 7: Three-Minute Papers: Our Disposable Economy—Artifacts from Present to Past (Ballroom A)

9:00 am - 11:00 am
General Session 4: Prehistoric Archaeology of the California Deserts (Exhibit Hall D)

9:00 am - 11:15 am
Symposium 9: Archaeology of the Central and Southern Sierra Nevada (RC D&A)

9:00 am - 11:30 am

9:00 am - 12:00 am
General Session 6: Topics in Historical Archaeology (MR 7&8)

9:00 am - 12:00 pm
General Poster Session 1: Posters on Ethnohistory and Archaeology (Exhibit Hall B)

9:00 am - 12:00 pm
Poster Symposium 2: Mission Santa Clara de Thamien (Asis): An Archaeology of Scales (Exhibit Hall B)

10:00 am - 12:00 pm
Forum 2, Part II: NAPC Community Roundtable, Repatriation Issues, and Successes (MR 9&10)

12:00 pm – 1:00 pm
Let’s Do Lunch (meet in the registration area at 11:45 am)

12:00 pm - 1:00 am
Bennyhoff Award Committee Meeting (Ballroom B)

12:00 pm - 1:00 am
Women in California Archaeology Open Meeting (Exhibit Hall D)

12:00 pm - 1:00 pm
Curation Committee Meeting (MR 1)

12:00 pm - 1:00 pm
Climate Change Committee Meeting (MR 7&8)

12:00 pm - 1:00 pm
California Archaeological Site Stewardship Program Meeting (RC E&B)

12:00 pm - 1:00 pm
Rozaire Award Committee Meeting (Exhibit Hall C)

1:00 pm - 4:00 pm
General Poster Session 3: Posters on Prehistoric Archaeology (Exhibit Hall B)

1:00 pm - 3:15 pm
General Session 7: Ethnohistory and the Historical Archaeology of Native American Communities (Exhibit Hall D)
1:00 pm - 3:15 pm
Symposium 13: Myths of Paradise: A Symposium Honoring the Life and Career of L. Mark Raab (Exhibit Hall C)

1:00 pm - 4:00 pm
General Poster Session 5: Posters on Prehistoric Archaeology of Northern California (Exhibit Hall B)

1:00 pm - 3:00 pm
Forum 1: California Indian Nations, THPOs, and the SCA: Dialogue, Discussion, and Opportunity (Ballroom B)

1:45 pm - 4:45 pm
Symposium 12: A Railroad Runs Through It: Historical Period Ethnic Chinese and Mexican Communities in Downtown Redlands, California (Ballroom A)

1:00 pm - 4:00 pm
Symposium 15: Born a Slave, Died a Pioneer: Nathan “Nate” Harrison and the Historical Archaeology of Legend (RC D&A)

2:00 pm - 3:45 pm
General Session 8: Toward a More Inclusive Archaeology: Contemporary Themes and Public Involvement (MR 9&10)

2:00 pm - 4:00 pm
Symposium 17: Archaeology and Natural Disasters (RC E&B)

2:00 pm - 4:15 pm
Symposium 14: After the Smoke Clears: Post-Fire Collaborative Archaeology and Recovery in the Santa Monica Mountains (MR 7&8)

2:00 pm - 4:15 pm
Symposium 18: Toasted and Roasted: New Insights into Subsistence-Settlement Systems in the Crowder Canyon Archaeological District (RC F&C)

2:00 pm - 5:00 pm
General Poster Session 4: Posters on Heritage Management (Exhibit Hall B)

3:30 pm - 5:00 pm
Meeting: SCA Business Meeting, Orphaned Collections Project Award, and Outstanding Student Presentation Awards (MR1)

4:00 pm – 6:00 pm
Student Mixer (Ballroom B)

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Sunday, March 15

9:00 am - 10:30 am
General Session 9: Prehistoric Archaeology of the Bay Area and North Coast (Ballroom A)

9:00 am - 10:45 am
Symposium 19: Uncovering the Indigenous Past at Mission La Purísima Concepción (Ballroom B)

9:00 am - 11:00 am
Forum 3: Maximizing Curated Collections (RC D&A)

9:00 am - 12:00 pm
Poster Symposium 3: Formal Models for Traditional Milling Technologies (Exhibit Hall B)

8:45 am - 12:00 pm
Symposium 20: From Borderlands to Bordered Lands: Current Research of California’s Borders (RC E&B)
Program
THURSDAY DETAILED PROGRAM
Thursday, March 12

Social Hour in Recognition of California State Parks Publications (Exhibit Hall C)
4:00 pm - 6:30 pm

Workshops:
(Preregistration Required)

OSTE1: Introduction to Comparative Osteology
(Ball Room A) 9:00 am – 12:00 pm
Instructor: Melanie M. Beasley

Encountering human or non-human bone in the field is something many of us experience. This hands-on workshop is designed to help archaeologists and monitors get acquainted with basic osteological identification methods. The workshop will use comparative materials to focus on identifying human versus non-human bone. This course is a basic introduction to the skeleton and features that can be useful for differentiating human from other mammal bone. Preregistration is required.

OSTE2: Advanced Human Osteology
(Ball Room A) 1:30 pm – 4:45 pm
Instructor: Melanie Beasley

We often encounter human bone in the field and it is the only opportunity to capture information to contribute to the analysis and interpretation of human remains. This hands-on workshop is designed to help archaeologists and monitors recognize the key features to distinguish sex, age, ancestry, and distinguishing life history features. This workshop is not intended as a substitute for consulting with a biological anthropologist for the analysis of remains, but rather to equip archaeologists to recover and recognize information that is important for skeletal analysis that is sometimes lost after remains are removed from the field context. Emphasis will be placed on what information can be gained from highly fragmented human remains. Preregistration is required.

FORA1&2: Foraging Theory and Practice
Instructor: Robert L. Bettinger, Distinguished Professor Emeritus, UC Davis

This workshop will introduce the theoretical foundation of foraging theory, beginning with the concept of rational choice and definition of costs and benefits. It explores application of the foraging models most amenable to the archaeological and ethnographic record. Participants may sign up for morning and afternoon, morning only, or afternoon only. Session costs cover flash drive programmed with spreadsheets to execute application of all models covered. Must bring laptop to obtain full benefit. Working knowledge of Microsoft Excel highly useful. Pre-registration is required.

Morning: Foraging Theory and Practice
(MR 1) 8:00 am – 12:00 pm
Rational choice theory
Foraging costs and benefits
Diet breadth
Front vs. back loaded resources
Afternoon: Foraging Theory and Practice
(MR 1) 1:00 pm – 5:00 pm
Linear programming
Marginal value theorem
Field processing
Technological investment (including newest, unpublished models)

ROCK1: Rock Art Conservation Management for Site Stewards and Managers
(MR 2) 8:00 am- 12:00 pm
Instructor: Jeremy Freeman

Rock art is a resource that captures people’s attention and provides a way for modern people to relate to ancient people. However, it is also one of the most sensitive resources due to its high visibility and changing climatic conditions that threaten the stability, integrity, and aesthetic quality of the sites. In this workshop, participants will learn how to identify the transformational processes affecting rock art sites. Participants will learn how to complete a condition assessment form and collect conservation management data that will provide a better understanding of the conservation needs of a rock art site. Participants will learn about preparing a conservation management plan along with intervention procedures used by professionals to help conserve rock art sites. Additionally, participants will learn about methods used to collect conservation management data and how it can be used to make better informed decisions by site managers. Preregistration is required.

ROCK2: Using 21st Century Technology for Non-Intrusive Rock Art Documentation
1:00 pm – 3:00 pm
Instructor: Jeremy Freeman

Advances in technology have resulted in a metamorphosis in archaeological methods, with an increasing emphasis on non-invasive, non-destructive techniques. Modern technology is allowing researchers to adapt to new analytical methods without compromising the integrity the archaeological evidence. This is particularly true in rock art research that has experienced an increased push for non-intrusive documentation. In this workshop, participants will learn about some of the technologies available to researchers to document rock art non-destructively using modern technology. Participants will learn about collecting and storing data, creating high resolution imagery and virtual 3D models, creating digital renderings of figures and panels, deducing super-positioning and sequences of figure placement, collecting objective color data, assessing chemical composition of paint, and collecting geospatial data. Preregistration is required.
FRIDAY AT A GLANCE

Friday, March 13, Morning

Plenary Session: Archaeology into the Future
8:30 am - 12:00 pm

Friday, March 13, Afternoon

General Session 1: Coastal Archaeology of Southern California and the Channel Islands
1:00 pm - 2:30 pm

General Session 2: Prehistoric Archaeology of Southern California
1:00 pm – 2:45 pm

General Session 5: Bioarchaeological Studies in the Bay Area and Central California
3:30 pm - 4:30 pm

Symposium 1: Recent Research in Behavioral Ecologically Focused Experimental Archaeology
1:00 pm - 3:30 pm

Poster Symposium 1: Recent Archaeological Work on Public Lands Administered by the Bureau of Land Management in the Southern California Deserts
1:00 pm - 4:00 pm

Symposium 6: Data Recovery Excavations at Sec he, CA-RIV-162, an Early Site in the Coachella Valley
1:00 pm - 4:00 pm

Symposium 3: The Archaeological Investigation of Landscape and Seascape Stewardship Practices on the Santa Cruz Coast
1:30 pm - 4:45 pm

Symposium 2: Ducks, Deer, Bears, Oh My! - Papers in Honor of Dwight D. Simons
1:30 pm - 4:00 pm

General Session 3: Topics in Cultural Resources Management
3:00 pm - 4:00 pm

Symposium 5: Diaspora, Place, and Mobility: The Archaeology of California’s Immigrant Communities
1:15 pm - 2:45 pm

General Poster Session 2: Posters on Historical Archaeology
1:00 pm to 4:00 pm

Legislative Committee Meeting
3:30 pm - 4:30 pm

Reception/Silent Auction
6:30 pm - 10:00 pm
FRIDAY DETAILED PROGRAM

Plenary Session: Archaeology into the Future
Exhibit Hall C & D: 8:30 am - 12:00 pm
Organizer: Rebecca Allen

One of the promises of archaeology has always been that knowledge of the past will inform the future. The SCA encourages its members to realize this potential in many ways. This year's plenary speakers: (1) Provide testament to the Native American past of the Mission Inn so that we all may better collaborate in the future; (2) Interview members of descendant communities on what archaeology means to them, and what they want to learn from our field; (3) Use mapping tools honed by archaeological methods to understand the landscape of the present; and (4) Bring the power of the student-driven engineering to expand the study and preservation of sites, structures, and landscapes. A question and answer session will follow each presentation. We encourage audience participation and ideas.

The Excellence in Cultural Resources Management Award for 2020 will be presented to Patricia Garcia, Tribal Historic Preservation Officer, Agua Caliente Band of Cahuilla Indians. The Charles E. Rozaire Award for Student Research in Archaeology will be presented to Jessica Morales.

8:30  Welcome and Introduction
      Rebecca Allen
8:45  Blessing
      William Madrigal, Sr.
9:00  Dance, Songs, and Discussion
      Mountain Cahuilla Bird Singers
9:30  Hallucinations of the Spanish Imaginary and the Idealized Hotel California
      Charles Sepulveda
10:00  Stakeholders’ Values for Archaeology and Heritage in Santa Clara County
       Charlotte K. Sunseri
10:30  The Santa Rosa Neighborhood Heritage Mapping Project
       Margaret Purser
11:00  Engineering a Future for the Past: The Strengths and Shortcomings of Digital Archaeology
       Dominique Rissolo
11:30  Introduction of the Charles E. Rozaire Award for Student Research in California Archaeology and Presentation of Award
       Rebecca Allen
11:40  Presentation of the SCA Award for Excellence in Cultural Resources Management
       Rebecca Allen, Shasta Gaughen, and Michael D. Newland

Friday, March 13, Afternoon

General Session 1: Coastal Archaeology of Southern California and the Channel Islands
MR 9&10: 1:00 pm - 2:30 pm

1:00  Geochemical Composition of Monterey Chert: A Provenance Study of Monterey Chert Outcrops at CA-SLO-1760, CA-SLO-2610, and Point Año Nuevo
      Peter M. Banke, Mark G. Hylkema, Tsim D. Schneider, GeorgeAnn M. DeAntoni, and Ethan B. Bertrand
1:15  Relationship Between Site Location and the Distribution of Faunal Remains in the Western Santa Monica Mountains
      Paul J. Gerard, Shelby L. Medina, René L. Vellanoweth, Santos I. Ceniceros, and Lauren M. Mirasol
1:30  Nutritional and Caloric Analysis of Seagrass Roots and Rhizomes: Evaluating Potential for Consumption by Coastal and Island Populations
      Mikael Fauvelle
Friday, March 13

1:45  (Re)Imagining Indigenous “Wet” Scapes: Informing Paleogeographic Reconstructions of the Los Angeles Basin and the Southern Channel Islands through Indigenous Ecosophies
Eric Rodriguez

2:00  Estimating Shell Length from Fragments in California Mussels: Results of an Archaeometric Analysis of Modern Mussel Shells from Varied Environmental Conditions
R. P. Cromwell, Andrea Sbei, and Christopher S. Jazwa

2:15  Middle Period Hunting-Fishing Practices at the West End Site on Santa Catalina Island
Hugh D. Radde

General Session 2: Prehistoric Archaeology of Southern California
RC E&B: 1:00 pm - 2:45 pm

1:00  A Recently Discovered Millingstone Site in San Dimas, CA: Backyard Archaeology at the Larsen Site
Steven R. James, Sandra M. Larsen, Robert Baker, Aaron McCann, Jan Taylor, Katherine Castro, Caitlin Collins, Bridget Durand, Candace Jacobs, Parker Sheriff, Taylor Naraskey, Mathius Towler, and Jocelyn V. Aponte

1:15  Toolstone Acquisition in the Interior of California’s South-Central Coast: Raw Material Extraction in the Mid-to-Late Holocene
Ryan T. Brady, Loukas Barton, Brad C. Comeau, and Nicholas J. Hanten

1:30  Identification of Starch Granules from Oak and Grass Species in the Central Coast of California
Gloria Howat Brown and Lisbeth A. Louderback

1:45  Managing Rock Art in the Backcountry: The Importance of Protecting Remote Sites
K. Renee Barlow

2:00  What's the Point? A Look at the Projectile Points Recovered from Santee Greens (CA-SDI-5669), San Diego County, and Comparison with Points from Elk Ridge and Victorio Site, New Mexico
Stan Berryman

2:15  Cranston Forest Fire: Archaeological Investigations and Impacts on Sites in the San Jacinto Mountains near Idyllwild, San Bernardino National Forest, Riverside County, and Southern California
Steven R. James, Sandra M. Larsen, Robert Baker, and Jay Marshall

2:30  Stable Isotope Analysis of Canid Remains from Alta and Baja California
*ATTN: This presentation includes photos or discussion of human remains*
Jessica Morales, Andrea Guía-Ramírez, Breezy D. Akeson, Christyann M. Darwent, René L. Vellanoweth, and Jelmer W. Eerkens

General Session 5: Bioarchaeological Studies in the Bay Area and Central California
RC E&B: 3:30 pm - 4:30 pm

3:30  Stable Isotope Analysis and Paleodietary Reconstruction at Two Precontact Sites on the Southern San Francisco Peninsula
*ATTN: This presentation includes photos or discussion of human remains*
Daniel T. Goring, Christopher Canzonieri, and Jelmer W. Eerkens

3:45  Chronic Illness and Disability in a Prehistoric Northern California Population: Evidence of Care from Community at the Yambuy O'yöölma-tła Site (CA-SCL-215)
*ATTN: This presentation includes photos or discussion of human remains*
Brieann DeOrnellas, Alan Leventhal, Brenna Wheelis, Charlene Nijmeh, Monica V. Arellano, and Arnold Sanchez

4:00  Forager Intensification and the Periodontal Disease Transition: Metabolic Profiling of the Oral Microbiome from Archaeological Dental Calculus in Two Late Period Prehistoric Sites from the Bay Area
*ATTN his presentation includes photos or discussion of human remains*
Gregory H. Wada, Beth Shapiro, Ruth V. Nichols, Jeffrey S. Rosenthal, and Jelmer W. Eerkens
Friday, March 13

4:15 Investigation of Postmarital Residence during the Early Period in Central California Using Stable Carbon and Oxygen in Human Tooth Enamel and Bone Apatite

*ATTN: This presentation includes photos or discussion of human remains*

Candice E. Ralston and Jelmer W. Eerkens

Symposium I: Recent Research in Behavioral Ecologically Focused Experimental Archaeology
Exhibit Hall C: 1:00 pm - 3:30 pm
Organizer: Alexandra Greenwald

This symposium showcases recent and ongoing experimental archaeology research that leverages archaeological and ethnographic data to test hypotheses about ancient human behavior and to generate data useful in the development of human behavioral ecology models. Foci include raw material procurement and transport, tool manufacture and technological investment, foraging behavior and food storage, and technological mediation of maternal foraging efficiency.

1:00 Shuck It: Experimental Foraging and Processing of Native Oyster from the San Francisco Bay
Roshanne S. Bakhtary

1:15 Geophyte Field Processing: Experimental and Theoretical Approaches to Understanding Front-Loaded Plant Storage Strategies
Shannon Tushingham and Tiffany Fulkerson

1:30 Recent Adventures in Experimental Acorn Processing and Storage
Carly S. Whelan

1:45 Exploring the Impact of Climatic, Social, and Technological Change on Pine Nut Harvests
Brian F. Codding, Ashley Parker, Alan Mandell, and Kate E. Magargal

2:00 Forests of Fuel: Firewood Harvest as a Driver of Social and Ecological Change
Kate E. Magargal

2:15 Firewood Collection and Availability: A Quantitative Study
Kristina Crawford

2:30 Quantifying Technological Mediation of Maternal Foraging Efficiency and Metabolic Expenditures During Acorn Gathering
Alexandra M. Greenwald, Carly S. Whelan, and Gregory R. Burns

2:45 Using Experimental Archaeology and Use Wear Analysis to Address Tule Canoe Manufacture in California and the Western Great Basin
Martijn Kuypers, Bryce R. Beasley, Caleb K. Chen, Nicolas Zwyns, and Kevin N. Smith

3:00 When Mortars Speak Volumes: Assessing the Influence of Mortar Cavity Size on Processing Efficiency
Kyle M. Palazzolo

3:15 Using Lithic Analysis and Replicative Studies to Decipher the Organization of Flaked Stone Tool Production at an Island Paleocoastal Site, CA-SRI-512, Santa Rosa Island
Kevin N. Smith, Martijn Kuypers, Jon M. Erlandson, and Nicolas Zwyns

Poster Symposium I: Recent Archaeological Work on Public Lands Administered by the Bureau of Land Management in the Southern California Deserts
Exhibit Hall B: 1:00 pm - 4:00 pm
Organizers: Tiffany Arend and Tony Overly

The deserts of southern California are remote and desolate places. They also boast a long and varied history of human occupation and development. A significant portion of the southern California deserts is managed by the Bureau of Land Management (BLM). The posters presented here highlight the diverse and important work being conducted by BLM personnel, the private sector, and other partners on ongoing research, results of project-driven studies, and implementation of new technologies on public lands administered by the BLM.
Friday, March 13

1:00 Last Chance Canyon: The Challenges of Managing a National Register District in the Mojave Desert
Adam Gutierrez and Donald J. Storm

1:00 Identifying Traces of The Old Spanish Trail: A 5-Year Project Update
Alexis N. Francois

1:00 Preserving the Past, Planning for a Sustainable Future: Section 106 Compliance and Renewable Energy
Arianna Q. Heathcote and Lynn Robinson

1:00 An Interdisciplinary Approach to Understanding the Rose Valley Site (CA-INY-1799): A Paleoindian Site in the Western Great Basin
Anthony Morales

1:00 More than the Controversy ... The Calico Early Man Site as a Historical Archaeological Site
Tiffany Arend and James Shearer

1:00 Documenting the Desert Training Center/California-Arizona Maneuver Area
Tiffany Arend and Christopher Dalu

1:00 Thoughtful Boundaries: Expanding Narratives at the Walker Pass National Historic Landmark, Kern County, California
Amy M. Girado, Robert Gomez, and Tim Kelly

1:00 Efforts and Challenges in Documenting and Preserving Geoglyphs in the El Centro Field Office
Katherine Crosmer

1:00 Developing a Ceramics Context for the California Deserts
Katherine Crosmer, Stephen A. Overly, and Tiffany Arend

1:00 Modelling Archaeological Sensitivity in the West Mojave Route Management Network: An Update on Five Years of Testing
Alaina Wibberly, Tiffany Arend, Margaret Margosian, and Jeffrey D. Sahagun

Symposium 6: Data Recovery Excavations at Sec he, CA-RIV-162, an Early Site in the Coachella Valley
RC D&A: 1:00 pm - 4:00 pm
Organizer: Scott Kremkau

In 2018, the Agua Caliente Band of Cahuilla Indians and Statistical Research, Inc., (SRI) conducted data recovery excavations at CA-RIV-162, located on the Agua Caliente Indian Reservation, in downtown Palm Springs, California. The site is at the location of the Agua Caliente Mineral Hot Spring, called Sec he in the Cahuilla language. This hot spring was a focus of Cahuilla society for generations. The excavations focused on a deeply buried part of the site that contained intact archaeological deposits. A series of radiocarbon dates showed that the portion of the site excavated here was occupied from ca. 7,300 to 8,400 cal B.P., making it the oldest site in the Coachella Valley by several millennia. This symposium discusses the results of these excavations, and the collaboration between the Agua Caliente and SRI using an indigenous archaeological perspective on a large-scale data recovery project.

1:00 Data Recovery Excavations at Sec he, CA-RIV-162, an Early Site in the Coachella Valley
Scott H. Kremkau and Patricia Garcia

1:15 An Ethnographic Approach to Sec he, CA-RIV-162
Lacy A. Padilla and Kelly Teel

1:30 Using ArcGIS to Visualize Impacts to the Sec he Spring Site
Katie Croft and Patricia Garcia

1:45 Radiocarbon Dating of Sec he, CA-RIV-162
Melissa Helm and Cynthia Barrientos

2:00 Flaked Stone Tools from Sec he, CA-RIV-162
Scott D. Sunell

2:15 Ground Stone Artifacts from Sec he, CA-RIV-162
Alyssa Canoff and Lacy A. Padilla

2:30 Break

2:45 The Faunal Bone Collection from Sec he, CA-RIV-162
Sarah Van Galder and Luke A. Burnor
Symposium 3: The Archaeological Investigation of Landscape and Seascape Stewardship Practices on the Santa Cruz Coast

Ballroom A: 1:30 pm - 4:45 pm
Organizer: Kent Lightfoot

The purpose of this symposium is to present the results of recent archaeological research conducted along the Santa Cruz coast by a collaborative team of scholars from the Amah Mutsun Tribal Band, California Department of Parks and Recreation, and the University of California campuses at Berkeley and Santa Cruz. The research team employed a low-impact, eco-archaeological approach to study indigenous landscape and seascape stewardship practices in ancient and historic times. Building upon previous work conducted at Quiroste Valley in Año Nuevo State Park, the goal of this new study was to broaden the temporal dimension and geographic scale of the study of indigenous relationships with the environment along the central California coast. The symposium describes the findings from our investigation of Middle Holocene, Late Holocene, and historic age sites in evaluating questions concerning the timing, development, and scale of indigenous stewardship practices on the central California Coast.

1:30  Introduction to the Archaeological Investigation of Landscape and Seascape Stewardship Practices on the Santa Cruz Coast
Kent G. Lightfoot, Valentin Lopez, Roberta Jewett, and Mark G. Hylkema

1:45  The Study of Indigenous Landscape and Seascape Stewardship Practices: Taking it to the Next Step
Valentin Lopez

2:00  Ground-Penetrating Radar Survey on the Santa Cruz Coast
Peter A. Nelson

2:15  The Analysis of Artifacts from Four Santa Cruz Sites
Ariadna Gonzalez, Kathryn Field, and Kent G. Lightfoot

2:30  Group Mobility as Seen through Middle Holocene Projectile Points from the Santa Cruz Coast of Northern Monterey Bay
Mark G. Hylkema

2:45  Archaeobotanical Data from Nine Sites on the Central California Coast: Implications for Indigenous Ethnobotanical Practices and Prescribed Burning
Rob Q. Cuthrell

3:00  Break

3:15  Stable Isotope Analysis from Three Sites on the Santa Cruz Coast
Alec J. Apodaca and Mike A. Grone

3:30  Seaweed, Shellfish, and Indigenous Seascape Stewardship on the Santa Cruz Coast
Michael A. Grone

3:45  Investigating the Native Range of California’s Endangered Anadromous Salmon
Gabriel M. Sanchez

4:00  Faunal Contributions to Landscape Management Research on the Central Coast of California
Diane Gifford-Gonzalez

4:15  The Use of Ancient DNA to Investigate Movement of Vole Populations during the Past 7,000 Years: Implications for Past Landscape Management Practices
Paul Fine, Diane Gifford-Gonzalez, Beth Shapiro, Gabriel M. Sanchez, Cameron Shard Milne, and Kent G. Lightfoot
4:30  The Archaeological Investigation of Indigenous Stewardship Practices on the Santa Cruz Coast: Concluding Statements and Relevancy to Contemporary California  
Kent G. Lightfoot, Valentín Lopez, Roberta Jewett, and Mark G. Hylkema

Symposium 2: Ducks, Deer, Bears, Oh My! - Papers in Honor of Dwight D. Simons  
Exhibit Hall D: 1:30 pm - 4:00 pm  
Organizer: Melanie M. Beasley

Dwight Simons is the “grandfather” of California zooarchaeology. Over his 50-year career, he analyzed faunal remains from some of the most important archaeological sites in California, mentored generations of students, contributed to hundreds of archaeological projects, and published extensively. In 2013, the SCA presented him the Martin A. Baumhoff Special Achievement Award. This session honors Dwight’s contributions to the field of California archaeology through the lens of zooarchaeology and field ecology. At the end of the invited talks, we open the floor to attendees to share their thoughts and stories of Dwight to honor his memory.

1:30  On the Enduring Legacy of Dwight D. Simons in California Zooarchaeology  
Frank E. Bayham

1:45  Eating at the Beach: Vertebrate Faunal Remains from Malibu (CA-LAN-264)  
Thomas A. Wake

2:00  Holocene El Niño Drives Marine and Terrestrial Ecosystem Change and Human Land Use in Baja California: Evidence from the Abrigo de los Escorpiones Avifauna  
Jack Broughton and Isaac Hart

2:15  The Historical Ecology of Marine Estuaries in Northern California  
Shannon Tushingham

2:30  The Menu and the Diet: Integrating Zooarchaeological and Isotopic Perspectives on Ancient Human Diet in the San Francisco Bay Area  
*ATTN: This presentation includes photos or discussion of human remains*  
Eric J. Bartelink and Melanie M. Beasley

2:45  A Comparison of Morphometric, Genetic, and Stable Isotope Dietary Signatures in Coyotes and Dogs at a Pre-Contact Period Site in Central California  
Jelmer W. Eerkens, Dwight D. Simons, Christyann M. Darwent, Brian Kemp, Britanny Bingham, Ryan Frome, and Erica Palmer

3:00  Bear Symbolism in Native California Cultures: Ethnographic and Archaeological Evidence  
*ATTN: This presentation includes photos or discussion of human remains*  
Sandra E. Hollimon

3:15  Zooarchaeological Species Identification Using Random Forest Machine Learning  
Kasey E. Cole and Peter M. Yaworsky

3:30  Intensification of Faunal Resources for Use in Regional Exchange Systems – Evidence from a Stege Mound  
Alexander L. DeGeorgey

3:45  Dwight Simons: A Keystone in California Zooarchaeology  
Melanie M. Beasley

General Session 3: Topics in Cultural Resources Management  
MR 9&10: 3:00 pm - 4:00 pm

3:00  The Lesser of Two Impacts: Choosing Between Cultural Resources and Natural Resources  
Molly Laitinen

3:15  Who Monitors the Monitor: The Contemporary State of Cultural Resources Monitoring  
Dean M. Duryea, Jr.
Many of California’s late nineteenth- and early twentieth-century immigrants lived in or near ethnic enclaves that no longer exist, but archaeological investigations of these communities have provided valuable information about the daily lives of people who contributed much of their labor to the building of the state. Although these migrants have often been left out of dominant historical narratives, the archaeology of immigrant groups helps reclaim these histories. In addition, archaeological research on these sites has made important contributions to studies of labor, citizenship, institutional confinement, and racialization. This symposium focuses on current research trends on the archaeology of immigrant communities. Papers focus on one or more of the following themes: (1) the recognition of these immigrant groups as diasporic, with ties to home countries and communities with a shared ethnic identity; (2) the use of artifact assemblages to better understand migrants’ mobility patterns, connections to local places, and diasporic linkages; and (3) engagement with descendant communities through oral histories and archaeological outreach. Based on these trends, the future of archaeological research on immigrant communities will be diasporic, transnational, multi-sited, and inclusive.

1:15 Excavating a Community: Telling the Story of Yreka’s Chinese Community Through an Archaeological and Historical Lens
Sarah C. Heffner

1:30 The Archaeologies of Jumping Scale: Isleton Chinatown and the Chinese Diaspora
Kelly Fong

1:45 Wo Hing Village, Riverside Chinatown, and San Bernardino Chinatown: The Materiality of the ‘Cantonese Pacific’
Laura Ng

2:00 A Railroad Runs Through It: The Archaeology and Oral History of an Ethnic Mexican Community in Downtown Redlands, California
Robert D. Grenda, Scott D. Sunell, Donn R. Grenda, and Marlen Hinojosa

2:15 Community, Art, Archaeology: Engaging Terminal Island (Port of Los Angeles)
James E. Snead, John Tonai, and Sarah Stallings

2:30 Finding Nihonmachi: Examinations of an “Orphaned” Collection
Koji Lau-Ozawa and Stacey Camp

General Poster Session 2: Posters on Historical Archaeology
Exhibit Hall B: 1:00 pm - 4:00 pm

1:00 The Archaeology of Cinema: How the Motion Picture Industry Built Modern Los Angeles
Dustin Pollard

1:00 The Historic Salinas Dam — A Remarkable Feat of Engineering in San Luis Obispo County
Blaize A. Uva

1:00 Children’s Village at Manzanar National Historic Site
Jacob M. Kasimoff

1:00 Boom to Burbs in Old San Diego: How Early Commuter Railways Forged San Diego Neighborhoods
Rhiannon Killian

1:00 Rediscovering the Mira Mar Restaurant and Hotel
Douglas W. Mengers and Annemarie Cox

1:00 Commerce at Edwards Air Force Base
Elizabeth Celentano, Karen Brehm, and Joseph K. Hardaker
Friday, March 13

1:00  Chronology of Fort Irwin – Obsidian Hydration
      Andrea Nardin

1:00  Recent Discoveries at the Santa Barbara Presidio (CA-SBA-133)
      Michael Imwalle and Lucas Nichols

1:00  Reconfiguring Diversity in 19th Century Los Angeles: An Archaeological Analysis of the Los Angeles/Depot Hotel
      Lena G. Jaurequi

Legislative Committee Meetings
MR 7&8: 3:30 pm - 4:30 pm
Organizer: Samantha Schell
SATURDAY AT A GLANCE
Saturday, March 14, Morning

Forum 2, Part I: NAPC Community Roundtable, Collaboration, and Consultation
MR 9&10: 8:00 am - 9:30 am

Forum 4: Moving Forward While Working in the Present: The Second Interactive Forum Designed to Connect SCA Members to the California Historical Resources Information System
Ballroom B: 8:30 am - 11:30 am

Symposium 8: Cowboy Ecologist: Papers in Honor of Robert L. Bettinger
Exhibit Hall C: 8:00 am - 11:45 pm

Symposium II: Telling Our Story
RC F&C: 9:00 am - 10:15 am

Symposium 7: Three-Minute Papers: Our Disposable Economy—Artifacts from Present to Past
Ballroom A: 9:00 am - 10:45 am

General Session 4: Prehistoric Archaeology of the California Deserts
Exhibit Hall D: 9:00 am - 11:00 am

Symposium 9: Archaeology of the Central and Southern Sierra Nevada
RC D&A: 9:00 am - 11:15 am

Symposium 10: The Best of What’s Left: The Rock Art Legacy of Rick Bury (1946-2019)
RC E&B: 9:00 am - 11:30 am

Symposium 15: Born a Slave, Died a Pioneer: Nathan “Nate” Harrison and the Historical Archaeology of Legend
RC D&A: 1:00 pm - 4:00 pm

General Session 6: Topics in Historical Archaeology
MR 7&8: 9:00 am - 12:00 pm

General Poster Session 1: Posters on Ethnohistory and Archaeology
Exhibit Hall B: 9:00 am - 12:00 pm

Poster Symposium 2: Mission Santa Clara de Thamien (Asis): An Archaeology of Scales
Exhibit Hall B: 9:00 am - 12:00 pm

Forum 2, Part II: NAPC Community Roundtable, Repatriation Issues, and Successes
MR 9&10: 10:00 am - 12:00 pm

Saturday, March 14, Afternoon

Bennyhoff Award Committee Meeting
Ballroom B: 12:00 pm - 1:00 pm

Women in California Archaeology Open Meeting
Exhibit Hall D: 12:00 pm - 1:00 pm
Saturday, March 14

Curation Committee Meeting
MR 1: 12:00 pm - 1:00 pm

Climate Change Committee Meeting
MR 7&8: 12:00 pm - 1:00 pm

California Archaeological Site Stewardship Program Meeting
RC E&B: 12:00 pm - 1:00 pm

Rozaire Award Committee Meeting
Exhibit Hall C: 12:00 pm - 1:00 pm

General Poster Session 3: Posters on Prehistoric Archaeology
Exhibit Hall B: 1:00 pm - 4:00 pm

General Session 7: Ethnohistory and the Historical Archaeology of Native American Communities
Exhibit Hall D: 1:00 pm - 3:15 pm

Symposium 13: Myths of Paradise: A Symposium Honoring the Life and Career of L. Mark Raab
Exhibit Hall C: 1:00 pm - 3:15 pm

General Poster Session 5: Posters on Prehistoric Archaeology of Northern California
Exhibit Hall B: 1:00 pm - 4:00 pm

Forum 1: California Indian Nations, THPOs, and the SCA: Dialogue, Discussion, and Opportunity
Ballroom G: 1:00 pm - 3:00 pm

Symposium 12: A Railroad Runs Through It: Historical Period Ethnic Chinese and Mexican Communities in Downtown Redlands, California
Ballroom A: 1:45 pm - 4:45 pm

General Session 8: Toward a More Inclusive Archaeology: Contemporary Themes and Public Involvement
MR 9&10: 2:00 pm - 3:45 pm

Symposium 17: Archaeology and Natural Disasters
RC E&B: 2:00 pm - 4:00 pm

Symposium 14: After the Smoke Clears: Post-Fire Collaborative Archaeology and Recovery in the Santa Monica Mountains
MR 7&8: 2:00 pm - 4:15 pm

Symposium 18: Toasted and Roasted: New Insights into Subsistence-Settlement Systems in the Crowder Canyon Archaeological District
RC F&C: 2:00 pm - 4:15 pm

General Poster Session 4: Posters on Heritage Management
Exhibit Hall B: 2:00 pm - 5:00 pm

SCA Business Meeting, Orphaned Collections Project Award, and Outstanding Student Presentation Awards
MR 1: 3:30 pm - 5:00 pm
Saturday, March 14

Let’s Do Lunch
Meet in the registration area at 11:45 a.m.: 12:00 - 1:00 pm

Student Mixer
Ballroom B: 4:00 pm - 6:00 pm

Annual Banquet
Exhibit Hall C&D: 6:30 pm – 10:00 pm

SATURDAY DETAILED PROGRAM

Saturday, March 14, Morning

Forum 2, Part I: NAPC Community Roundtable, Collaboration, and Consultation
MR 9&10: 8:00 am - 9:30 am
Organizer: William Madrigal Jr.

In this first session of the annual NAPC Conference Symposium, we will be leading a forum discussion of the current state and best practices in the area of collaboration and consultation with tribal communities by federal, state, and local agencies, as well as various forms of private consultation. It will include the impacts of recent legislation that has affected changes in the processes of CEQA and other related legal guidelines. Experienced members of various tribal communities will share examples of what does and does not work in regards to communicative procedures and collaboration projects with tribal subject matters on the various aspects of indigenous culture and heritage preservation.

Forum 4: Moving Forward While Working in the Present: The Second Interactive Forum Designed to Connect SCA Members to the California Historical Resources Information System
Ballroom B: 8:30 am - 11:30 am
Organizer: Bryan Much

In this forum, the Geographic Information System database application currently in use at the California Historical Resources Information System (CHRIS) Information Centers (ICs) will be demonstrated. The IC application is utilized for archiving cultural resources information for the entire state as well as for conducting records searches, but also represents a powerful research tool for students and other individuals in the fields of archaeology and history. Strategies and tips for conducting records searches at CHRIS ICs will be presented, along with descriptions and examples of the standardized products that are derived from the GIS database application. This will be a hands-on opportunity where attendees can explore the IC application and, in addition, test out the updated submittal template for resources (electronic, database driven DPR 523s). Also available for viewing will be the newly revised electronic versions of the Built Environment and Archaeological Resources directories from the Office of Historic Preservation, as well as their new guide to utilizing their tracking and inventory system.

Symposium 8: Cowboy Ecologist: Papers in Honor of Robert L. Bettinger
Exhibit Hall C: 8:00 am - 11:45 pm
Organizer: Terry Jones

In his long and productive career, Dr. Robert (Bob) Bettinger has contributed enormously to western North American anthropology, including numerous, diverse advancements in California and Great Basin archaeology. In addition to contributions of culture history and contemporary theory, Bob influenced a generation of student and colleague research. Four years ago, Bob’s contributions to Great Basin archaeology were recognized in a session at the Great Basin Anthropological Conference in Reno. The current symposium continues the celebration of Bob’s career, presenting a wide range of papers from colleagues and former students that will be published by the Center for Archaeological Research at Davis as part of a festschrift.
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<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Social Basis for the Evolution of Western Great Basin Foragers</td>
<td>Michael G. Delacorte</td>
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<td>8:15</td>
<td>Theories of Evolution and Archaeology</td>
<td>Peter Richerson</td>
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<td>8:30</td>
<td>Human Ecology, Perceptual Bias, and the Co-Occurrence of Archaeological Gaps with Climate Change</td>
<td>Raven Garvey</td>
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<td>8:45</td>
<td>Ecological Determinants Revisited: Food, Fish, and Demography in Central California</td>
<td>Terry L. Jones and Kenneth W. Gobalet</td>
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<td>9:00</td>
<td>Square Soapstone Beads as Microcurrency Among Foothill Yokuts in the Southern Sierra Nevada</td>
<td>Micah J. Hale</td>
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<td>9:15</td>
<td>Acorn Storage in California: Modeling the Effect of Decay Rates on Storage Strategies</td>
<td>Carly S. Whelan</td>
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<td>9:30</td>
<td>The Ecology of the Alpine Villages of Eastern California</td>
<td>Christopher Morgan</td>
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<td>9:45</td>
<td>Break</td>
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<td>10:00</td>
<td>Divergent Human Adaptive Strategies in Late Holocene Central California</td>
<td>Adrian R Whitaker and Jeffrey S. Rosenthal</td>
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<td>10:15</td>
<td>The Ordered Anarchy Frontier: Storage, Sedentism, and the Evolution of Plank House Villages in the Southern Pacific Northwest Coast</td>
<td>Shannon Tushingham</td>
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<td>10:30</td>
<td>Native American Land-Use Patterns within the Coso Range Pinyon Zone: Evidence for Persistence during the Contact Period</td>
<td>William R. Hildebrandt and Allika Ruby</td>
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<td>10:45</td>
<td>Subsistence and Assemblage Change at Ca-Mrn-67, Northern San Francisco Bay Area, California</td>
<td>Eric Wohlgemuth</td>
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<td>11:00</td>
<td>Stable Isotopic Evidence for an Emphasis on Terrestrial Foods in Late Holocene Interior Central California</td>
<td>Loukas Barton, Susan D. Talcott, Michael A. Kennedy, Seth D. Newsome, and Jelmer W. Eerkens</td>
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<td>11:15</td>
<td>Stable Isotope Perspectives on the Intensification Process and Prestige-Biased Hunting during the Early and Middle Periods in Green Valley</td>
<td>Susan D. Talcott, Eric J. Bartelink, Bryna E. Hull, and Jelmer W. Eerkens</td>
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<td>11:30</td>
<td>A Colleague’s Tribute</td>
<td>David Hurst Thomas</td>
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Symposium II: Telling Our Story
RC F&C: 9:00 am - 10:15 am
Organizer: Craig Lesh

This session illustrates some methods of how to get the story of scientific and ethical archaeology to the general public. The practice of Archaeology generally has a positive, if somewhat misguided, image. The public indirectly pays for most archaeological activities; therefore, it is an ethical obligation and practical necessity that the profession informs the public about how and why archaeology is practiced. Gone are the days that a news release to the local newspaper was the best way to get our story told. Today’s media is fragmented with Facebook, Twitter, Instagram, You Tube, blogs, podcasts, newspapers, etc. How can you help to tell our story?

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<td>9:00</td>
<td>Utilizing Film as a Medium to Enrich Public Understanding of Archaeological Methods and Cultural Resource Values</td>
<td>Jake R. Martin</td>
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<td>9:15</td>
<td>A Decade of Public Outreach and Education in Northeastern California</td>
<td>Marilla M. Martin</td>
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</table>
9:30 Using Social Media to Promote Public Archaeology
Craig. R. Lesh and Margie Valdez

9:45 Building a World-Wide Podcast Audience Through Volunteers, Fresh Content, and a Strict Schedule
Chris Webster

10:00 An Examination of the Importance of Professional Archaeologists Helping Foster an Appreciation for Archaeology in Non-Professionals
Kerrie Collison

Symposium 7: Three-Minute Papers: Our Disposable Economy—Artifacts from Present to Past
Ballroom A: 9:00 am - 10:45 am
Organizer: Julia Huddleson

This session highlights the changes to material culture over time, especially during the transition from what is considered “historic-era” to products in our modern, disposable economy. Many of the consumer goods made of and packaged in materials such as ceramic, metal, and glass have shifted to plastic and other nonbiodegradable materials. Think of a modern plastic toothbrush versus a bone toothbrush. These papers focus on single-use and disposable items by comparing a modern item to its historical antecedents. The idea for the session is to get both presenters and the audience to think about the change of a single artifact or artifact type through time and potential impacts on archaeology and our environment. In this fast-paced format, speakers will deliver three-minute presentations, interspersed with discussion sessions that encourage audience participation.

9:00 Three-Minute Papers: Introduction
Kimberly Wooten and Julia Huddleson

9:15 It’s All a Crock
Julia Costello

9:18 Getting Juiced: From a Piece of Glass Artwork to a Piece of Modern-Day Plastic
Kristin Fusello

9:21 From Straight Razor to Bic: How Your Razor Ended Up in the Trash
Heather Martin

9:24 Wonder Soap Bubbles: Changes in Children’s Bubble Toys
Lisa N. Bright

9:27 Finding Colonel Mustard in the Kitchen with a Knife: Following the Clues to Date Historic Mustard Containers
Mary L. Maniery

9:30 Discussant
Julia Huddleson

9:45 “Can You Hear Me Now?” The (D)evolution of Human Communication Systems
Sharon A. Waechter

9:48 Toothpaste Containers Through Time—Reusable, Recyclable, or Rubbish
Julia Huddleson

Kimberly Wooten

9:54 “Be Sure to Drink Your Ovaltine!”: Childhood Marketing in the Mid-1930s and Little Orphan Annie Decoders
Sarah C. Heffner

9:57 Rude Awakenings: From a Cuppa Hot Brown to a Hot Brown Planet
Montserrat Osterlye

10:00 Discussant
Steven Holm

10:15 That’s Not Lemonade: Roadside Dumping of “Reused” Bottles
Steven Holm
10:18  Quaffing an IPA in 1855 California: From Aberdeen to the Marsh House  
Glenn J. Farris  

10:21  Blast from the Past: The Shifting Story of Shotgun Shells  
David G. Hyde  

10:24  Exploring the Evolution of Ink Manufacturing and Its Mark on the Physical Landscape  
Mariam Dahdul  

10:27  Losing Your Marbles: The Increasingly Structured Play of Children’s Toys  
Kate Green  

10:30  Discussant  
Julia Costello  

General Session 4: Prehistoric Archaeology of the California Deserts  
Exhibit Hall D: 9:00 am - 11:00 am  

9:00  Regional Morphologic Continuity among Mojave Desert Terminal Pleistocene/Early Holocene Projectile Points  
Edward J. Knell and Mark Q. Sutton  

9:15  50 Shades of Clay: The Geoarchaeology of Dune-Playa Complexes on Edwards Air Force Base  
Jeffrey L. Baker, Karen Brehm, and Elizabeth Celentano  

9:30  Overview of Past Investigations at the Rodman Mountains, San Bernardino County, California  
Mary G. Jespersen and Mary G. Jespersen  

9:45  Trek Up the Lower Colorado River — Staged Stone Tool Technologies as Clue to Interior California’s Antiquity  
Ruth Musser-Lopez  

10:00  What Condition My Condition Was In: Condition Assessment of a Wilderness Rock Art Site Utilizing Non-Invasive 3D Modeling, Haptics, and Immersive Virtualization  
Chester R. Liwosz,  

10:15  Archeoastronomy Investigations and Observations at CA-RIV-1064, a Pit-and-Groove Petroglyph Site in Moreno Valley, California  
Daniel F. McCarthy and Bruce Love  

10:30  A Review of the Archaeological Record of Owens Lake Relative to Lake-Level Chronology  
Jerome King and Bill Hildebrandt  

10:45  Pinyon Stays in the Picture: Plant Use in Late Owens Valley Prehistory  
Jenna K. Santy  

Symposium 9: Archaeology of the Central and Southern Sierra Nevada  
RC D&A: 9:00 am - 11:15 am  
Organizer: Matt Armstrong  

The archaeology of the central and southern Sierra Nevada continues to advance through a range of projects and research efforts involving federal and state agencies, cultural resource management firms, utility companies, universities, and land stewards. This symposium highlights current research and recent investigations extending from the Stanislaus National Forest to the Sequoia National Forest. Topics include edge-modified flake technology in Yosemite National Park, the distribution of brown ware pottery in the Sierra National Forest, ethnohistoric Native American village names and settlement patterns in Squaw Valley, Late Prehistoric Mono and Miwuk land use and settlement patterns in Crane Flat and Dinkey Creek, historic properties in Crane Valley and the McKenzie Preserve, as well as insights into Archaic Period cultures from recent excavations.  

9:00  Brown Ware at Its Northern Border  
Jeffrey Irwin
9:15  Archaeology in Crane Valley, Madera County, CA  
Matthew Armstrong

9:30  McKenzie Table Mountain Preserve Through the Ages  
Denise Ruzicka

9:45  Land Use and Settlement Patterns in the Sierra Nevada  
Emily Rubinstein

10:00  Using K-Modes Clustering to Classify Edge-Modified Flakes  
Nathan E. Stevens

10:15  Archaic Land Use in the Southern Sierra Nevada; New Insights from the Sierra National Forest  
Erik Martin, Daron Duke, and Jeffrey S. Rosenthal

10:30  A Hidden Capsule in Time: An Unanticipated Discovery from the Tenaya Cabin Project, Mariposa County, California  
Mary Baloian

10:45  Foothill Yokuts, Ethnohistoric Villages, and the Archaeological Record  
Jeanne Day Binning

11:00  We All Live Along the River; Strategies for Consultation and Studies Coordination on Hydroelectric Re-Licensing Projects in California  
Crystal West

Symposium 10: The Best of What’s Left: The Rock Art Legacy of Rick Bury (1946-2019)

RC E&B: 9:00 am - 11:30 am
Organizer: John Johnson

Rick Bury dedicated his photographic efforts to preserving outstanding images of the surviving rock art of the American West. For more than 30 years, he contributed to documentation projects on which he was the principal investigator. He also lent his time and expertise to supporting the work of other researchers. His project partners and those with whom he collaborated have come together to highlight Rick’s contributions to their own work, featuring selections from his portfolio.

9:00  Rick’s Biography  
Carol Bury

9:15  Whales in Pacific Coast Rock Art  
John R. Johnson

9:30  Of Lenses and Light: Documenting and Conservation the Rock Paintings of Pleito in the Last 20 Years  
David W. Robinson and Antoinette Padgett

9:45  Revisiting the Santa Barbara Museum of Natural History Hurricane Deck Expedition of 1935  
William D. Hyder and Tom Hnatiw

10:00  Dynamics of Shadow and Light: Rick Bury’s Imagery of Winter Solstice Sites on Vandenberg Air Force Base  
Christopher Ryan and Jon Picciuolo

10:15  Santa Inés Mission Mills Anthropomorph  
Michael Imwalle and Antoinette Padgett

10:30  Unrecorded Pictographic Elements Deep in the Chumash Backcountry  
*ATTN: Presentation discusses or contains images of human remains*  
Amy Marymor

10:45  Western Message Petroglyphs: Trails and Rails, Mines, and Mormons  
Leigh Marymor and Amy Marymor

11:00  Rick at Pleito (30 minutes)  
David W. Robinson, Devlin Gandy, Joshua Roth, and Colin Rosemont
General Session 6: Topics in Historical Archaeology
MR 7&8: 9:00 am - 12:00 am

9:00  A Privy, Women’s Drinking, and a Divorce in 19th-Century San Francisco
Mark Walker

9:15  Shaping Local Histories: CRM, WSIP, and Historic Cemeteries in Rural Northern California
Amanda Harvey, Caitlin Hannah, and Leslie Sakowicz

9:30  SexWork and Historical Archaeology: Problematizing How We Interpret Gender, Identity, and Historical Narratives
Cassandra A. Mills, Rachel Hopkins, and Kristin Goldsborough

9:45  Tracking Cultural Resource Impacts Using 3D Visualization of Underwater Heritage in a Public/Private Partnership
Lynn S. Dodd and Denise T. Jaffke

10:00  Using Landscape Archaeology to Examine the Historic Settlement of San Timoteo Canyon
Evelyn Chandler

10:15  Discovering Growth Through Long-Forgotten Garbage in Pasadena
Amanda M. Lloyd

10:30  Break

10:45  Brand Marketing and Bleach: A Case Study
Katherine Collins

11:00  The Los Angeles Zanja System: Archaeological Manifestations and Management Considerations
Marc A. Beherec

11:15  First Presidio Child
Alijandra Mogilner

11:30  Bold Beyond Gallant, Enlisted Soldier, Cabo, Scout, Commandante
Paul Chace

11:45  Chimney Rock: An 1867 Massacre (?) in Lucerne Valley North of the San Bernardino Mountains
Jocelyn V. Aponte and Dr. Steven R. James

General Poster Session 1: Posters on Ethnohistory and Archaeology
Exhibit Hall B: 9:00 am - 12:00 pm

9:00  Burning Down the House: A Project That is an Intersection of Tribal and Academic Interests
John H. Pryor

9:00  Coyote’s Eyebrows and Other Indigenous Destinations: Reconstructing a Salinan Landscape in the Salinas Valley from Diverse Data Types
Ethan B. Bertrando

9:00  Traditional Tattooing Methods
Daisy Linsangan, Carly S. Whelan, Racheal Ramirez, and William Stephen

9:00  Determining Whether Open Pit Fired Ceramics Are Consistent With Owens Valley Brownware
Austin Dietrich, Carly S. Whelan, and Enkhbayar Oyuntsetseg

9:00  Experimental Manufacturing of Glass Tools to Analyze Material Choices Made by Native Americans in Post-Contact Northern California
Alina C. Tichinin, Carly S. Whelan, Gen Hillery, and Ian Crosby

9:00  Mitigation for Native Plants as Tribal Cultural Resources
Anna Starkey and Matthew Moore

9:00  Processes for Identifying, Evaluating, and Restoring the Integrity of Native American Cultural and Religious Values at Disturbed Sites
Melodi A. McAdams
Scale matters when reconstructing past landscapes. Recent archaeological investigations at Mission Santa Clara have uniquely recovered information about this colonial landscape at both a very broad and micro scale. This range of scales in theoretical view, methodology, subject matter, and interpretation has the potential to transform the story told about these complex Spanish colonial institutions and how they affected, influenced, and shaped the daily lives of indigenous peoples negotiating social, economic, and ethnic differences. For example, the description changes if the focus is on understanding this mission within a global system of colonialism, compared to focusing on local perspectives of diversity and meaning. We observe how the narrative varies when one investigates this colonial space broadly as a large, native landscape, but also narrowly as a discrete Mission Quadrangle. Coarse methods, such as open area exposures, provide a unique lens through which to understand daily life, compared to those used when examining fish bones, micro glass beads, seeds, and obsidian flakes recovered from 1/16-inch wet-screened mesh. Dialog, tension, and visibility created by examining the archaeology at multiple scales increases our ability to understand both the structural and specific narratives about daily life in a California mission.
Saturday, March 14, Afternoon

**Bennyhoff Award Committee Meeting**
Ballroom B: 12:00 pm - 1:00 pm

**Women in California Archaeology Open Meeting**
Exhibit Hall D: 12:00 pm - 1:00 am
Organizer: Kaely Colligan

The Women in California Archaeology (WCA) annual meeting will host discussions on the WCA mission, our accomplishments to date, and future plans. This open meeting welcomes everyone to participate and comment on the WCA.

**Curation Committee Meeting**
MR I: 12:00 pm - 1:00 pm
Organizer: Wendy Teeter

**Climate Change Committee Meeting**
MR 7&8: 12:00 pm - 1:00 pm
Organizer: Michael Newland

**California Archaeological Site Stewardship Program Meeting**
RC E&B: 12:00 pm - 1:00 pm
Organizer: Beth Padon

**Rozaire Award Committee Meeting**
Exhibit Hall C: 12:00 pm - 1:00 pm
Organizer: Mandi Martinez

**General Poster Session 3: Posters on Prehistoric Archaeology**
Exhibit Hall B: 1:00 pm - 4:00 pm

1:00  *Tales from a Shovel Test Pit: Moments of the Middle Period at VEN-1691*
Sarah Novak, Andrew Kinkella

1:00  *An Investigation of Cylindrical Perforations in Precolonial and Colonial Shell Beads*

1:00  *Excavations at Sec he, the Agua Caliente Mineral Hot Spring CA-RIV-162: A Summary*
Arysa Gonzalez Romero, Katie Croft, Scott H. Kremkau, Patricia Garcia, Hannah R. Feeney, and Lacy A. Padilla

1:00  *Settlement Expansion to Marginal Habitats on Santa Rosa Island, California*
Tyler R. Molter and Christopher S. Jazwa

1:00  *Interior Occupation and Settlement Patterns on Santa Rosa Island, California*
Mary C. Oster and Christopher S. Jazwa

1:00  *Classification and Function of Sandstone Artifacts from San Nicolas Island, CA*
Giorgia Fiorentino, Charlene Tutone, and Santos I. Ceniceros

1:00  *Tied-up in Knots: Tools for Unraveling Issues of Differential Preservation*
Rafaela B. Lisboa and Aaron S. Elzinga

1:00  *Protecting Rock Art in the Backcountry: The Importance of Monitoring Remote Archaeological Sites*
K. Renee Barlow
Symposium 15: Born a Slave, Died a Pioneer: Nathan “Nate” Harrison and the Historical Archaeology of Legend
RC D&A: 1:00 pm - 4:00 pm
Organizer: Seth Mallios

Few people in the history of the United States embody ideals of the American Dream more than legendary San Diego pioneer Nathan Harrison (ca. 1833-1920). His is a story with prominent themes of overcoming staggering obstacles, forging something from nothing, and evincing gritty perseverance. In a lifetime of hard-won progress, Harrison survived the horrors of slavery in the Antebellum South, endured the mania of the California Gold Rush, and prospered in the rugged chaos of the Wild West. This session uses recent discoveries from archaeological excavations at the Nathan Harrison cabin site to offer new insights and perspectives into this most American biography on the centennial of his passing. These artifacts and the concurrent analyses help to address historical mysteries concerning Harrison’s mixed legacy and dual identities while also providing a fresh glimpse of everyday life in San Diego during the Civil War, Reconstruction, the Gilded Age, and the Progressive Era. Since the existing documentary records concerning Harrison are rife with contradiction, invention, and revision, the papers presented here endeavor to contextualize the mythmaking and identity politics of the last two centuries with scientifically determined spatial, temporal, and formal realities on the ground.

1:00  An Introduction to All Things (and Small Things) Nathan Harrison
      Seth W. Mallios
1:15  Everything in Its Place: Spatial Analyses of the Harrison Homestead Through Multiple Lines of Evidence
      James J. Turner, Seth W. Mallios, and Hilary C. Llamas
1:30  The Harrison Experience: Impacts of Technology, Transportation, and Tourism within the Archaeological Record
      Jamie L. Bastide and Seth W. Mallios
1:45  A Gift for the Weary Traveler: The Harrison Spring on Palomar Mountain
      Shannon M. Farnsworth and Seth W. Mallios
2:00  Convenience-Store Commodities, Comforts, and Contradictions at the Harrison Site
      Heather Hewes and Seth W. Mallios
2:15  Medicinal Patents at the Harrison Site: Potions, Poisons, or Placebos?
      Natalia Galeana and Seth W. Mallios
2:30  Break
2:45  The Implications of Food Preservation at the Nathan Harrison Site
      Haley M. Alexander and Seth W. Mallios
3:00  Kerosene in the Home of Nathan “Nate” Harrison
      Katherine A. Isola and Seth W. Mallios
3:15  Born a Slave, Died a Pioneer: Nathan “Nate” Harrison and the Historical Archaeology of Legend
      Aryana Kaypour and Seth W. Mallios
3:30  Alcohol, Prohibition, and the Harrison Homestead
      Bill Ebuen and Seth W. Mallios
3:45  Discussant
      Michael A. Grone

General Session 7: Ethnohistory and the Historical Archaeology of Native American Communities
Exhibit Hall D: 1:30 pm - 3:15 pm

1:30  Contact and Pre-Contact Rock Art at San Fernando de Velicata’, Baja California
      Richard L. Carrico
1:45  “Good Fish” — Interpreting the Archaeologic Heritage Story, Native Families at Rancho Los Cerritos, Long Beach
      Paul Chace
2:00  Land Tenure, Abalone Pendants, and Places of Muwekma Ohlone Cultural Significance
      Alicia A. Hedges
Saturday, March 14

2:15  Zoological Insights into Native American Diet at Mission Santa Clara (1777-1836)
Sarah J. Noe

2:30  Combating the Ongoing Erasure of Native Americans from Late Nineteenth and Twentieth Century Archaeological Landscapes
Douglas Ross, Bridget R. Wall, Lynn Johnson, and Shelly Davis-King

2:45  Gender Differences in Adaptive Responses to Euroamerican Settlement
Bridget R. Wall and Kathleen E. Hanrahan

3:00  Ethnohistoric South Gate?
*ATTN: This presentation includes photos or discussion of human remains*
Marc A. Beherec

Symposium 13: Myths of Paradise: A Symposium Honoring the Life and Career of L. Mark Raab
Exhibit Hall C: 1:00 pm - 3:15 pm
Organizer: Jessica Raab

Recipient of the 2005 Lifetime Achievement award by the SCA, L. Mark Raab's archaeological career focused on climate change as a prime mover for culture change, migration, and behavioral adaptative responses in prehistoric California. Much of early California archaeological efforts hewed to Kroeberian models of environmental determinism viewing prehistoric California as land of environmental abundance, inspiring little in the way of culture growth or change in prehistoric populations. As such, prehistoric populations encountered a stable, productive environment resulting in delayed culture change, static migration patterns, and little evidence of resource stress or conflict. As emergent climate models reflected a less abundant, more chaotic prehistoric environment and landscape in California, these previous models were abandoned. This new era of archaeological research closely examined the realities behind the myths and intricacies hidden below the proposed simplicity of environmental paradise in California prehistory. L. Mark Raab's contributions are an important reflection on the robust collaborative efforts in California archaeology to piece together the junction between climate change, cultural development, and adaptive responses to resource stress and scarcity in prehistoric populations. This symposium reviews the legacy of his research contributions in California through research performed with and alongside contemporaries and colleagues.

1:00  Introduction
Jessica Raab

1:15  Mark Raab and the San Clemente Archaeological Family
G. Timothy Gross

1:30  Mark Raab and the Ascendance of California Coastal Archaeology
Terry L. Jones

1:45  Mr. Andy and the Evil Dr. Raab: Reflections on My 22 Years of Academic Research-Regulatory Compliance Collaboration on San Clemente Island with Mark Raab
Andy Yatsko

2:00  A Critique of the North Pacific Seafaring Hypothesis: Informed by California Channel Islands Research
Jim Cassidy

Frank E. Bayham

2:30  Legacies of the CSU Northridge Field Schools on San Clemente Island
Jennifer E. Perry

2:45  Discussant
Ann Raab

3:00  Closing Comments
Jessica Raab
General Poster Session 5: Posters on Prehistoric Archaeology of Northern California
Exhibit Hall B: 1:00 pm - 4:00 pm

1:00 Investigating the Spread of the Bow and Arrow in California
Nathan E. Stevens

1:00 Temporal Trends in Fish Harvesting in the Upper Sacramento Valley
Kristina Crawford

1:00 A Deer in the Hand is Worth Two Clams in the Basket: Comparing Seasonal Resource Distributions against Archaeological Site Distributions in Eastern Contra Costa County
Lily Arias, Yuka Oiwa, and J. Tait Elder

1:00 Childhood Diet in the Late Middle Period Delta: New Tooth Collagen Isotope Data from CA-CCO-139
*ATTN: This presentation includes photos or discussion of human remains*
Alexandra Campbell-Grey and Jelmer W. Eerkens

Forum 1: California Indian Nations, THPOs, and the SCA: Dialogue, Discussion, and Opportunity
Ballroom B: 1:00 pm - 3:00 pm

The SCA has regularly featured panels, papers, posters, and presentations by members of California Indian nations, indigenous archaeologists, and tribal groups to participate in the annual meetings, in the hopes of increasing audience understanding of tribal points of view, explaining misconceptions, and strengthening relationships.

Panelists:
Travis Armstrong, THPO Morongo Band of Mission Indians
Patricia Garcia, Agua Caliente Band of Cahuilla Indians
Shasta Gaughen, THPO Pala Band of Mission Indians
Buffy McQuillen, THPO Graton Rancheria
Anna Starkey, United Auburn Indian Community
Alex R. Watts-Tobin, THPO Karuk Tribe

Symposium 12: A Railroad Runs Through It: Historical Period Ethnic Chinese and Mexican Communities in Downtown Redlands, California
Ballroom A: 1:45 pm - 4:45 pm
Organizer: Scott D. Sunell

Statistical Research, Inc. (SRI) conducted archaeological data recovery in 2019 and 2020 in support of the development of four parcels at the northern edge of CA-SBR-5314H, the site of the historical period Chinatown in downtown Redlands in San Bernardino County. SRI’s work identified not only evidence of Chinatown, but also of a previously (archaeologically) unstudied ethnic Mexican community in the project area. This symposium focuses on household consumption and community structure among both groups from the later 19th century through the middle of the 20th century.

This symposium addresses the archaeological evidence recovered during fieldwork, and its broader historical context, through investigations of: immigrants’ links to both their ancestral countries and to other diaspora communities in the region; material culture patterns in both communities; connections between trends in the occupation of the project area and the history of development; life stories via oral interviews of individuals who lived in project area (or whose ancestors did); markers of sociopolitical and economic status in both the archaeological and historical records; and evidence of changing attitudes of acceptance and discrimination toward both groups by the majority community. Discussants will provide perspective on these communities and their context in the history of California.

1:45 A Railroad Runs Through It: Project Overview and Goals for Investigations of Redlands’ Chinatown and Sonoratown
Donn R. Grenda and Karen K. Swope
Saturday, March 14

2:00  The Archaeology of Diasporically Linked Communities: Riverside Chinatown and San Bernardino Chinatown
Laura Ng

2:15  Uncovering Hidden Communities: The Challenges of the Historical Record in Redlands, California
Nathan Gonzales and Larry Burgess

2:30  Life on Stuart Avenue: Documentary Records and Oral History of an Ethnic Mexican Community in Downtown Redlands, California
Marlen Hinojosa, Scott D. Sunell, Scott D. Sunell, and Robert D. Grenda

2:45  Field Results and Historical Period Archaeological Context in Downtown Redlands, California
Scott D. Sunell

3:00  Nails, Cans, Pots, and Pans: Underground Metal in Historic Redlands, CA
Robert D. Grenda

3:15  Break

3:30  Community, Consumption, and Contents
Luke A. Burnor and Scott D. Sunell

3:45  Ammunition and Militaria from Historical Period Redlands
Richard S. Ciolek-Torrello, Joey Ramone Woods, and Karen K. Swope

4:00  The Games they Played – Material Culture Highlights from a Historical-Period Site in Downtown Redlands, California
Joy L. Vyhmeister

4:15  Discussant
Paul Chace

4:30  Discussant
Trish Fernandez

General Session 8: Toward a More Inclusive Archaeology: Contemporary Themes and Public Involvement
MR 9&10: 2:00 pm - 3:45 pm

2:00  Deep Creek Site (CA-SBR-176): Collection Rehabilitation with the Veterans Curation Program
Leah Ruth Grant

2:15  Basic Training: Teaching Archaeological Survey Methods to Non-Archaeologists
Natalie Brodie and Shannon E. Foglia

2:30  Democratizing the Past: Film and Virtual Reality as Multi-Vocal Story-Telling from the Wind Wolves Preserve, California
David W. Robinson, Devlin Gandy, Iakovos Panagopoulos, and Brendon Cassidy

2:45  Con Ánimo Y Buen Corazón: The Potters of Santa Catarina and the Future of Their Craft
Michelle D. Graham

3:00  Magical Ruins and Whips in Archaeology: A Look at Archaeology in Pop Culture
Brooke A. Hambley

3:15  Graffiti Archaeology: Perspectives from Route 66 and Around the World
Kristina Lindgren

3:30  Sharing Archaeological Insights About Colonial Communities via Comics
Kathleen L. Hull

Symposium 17: Archaeology and Natural Disasters
RC E&B: 2:00 pm - 4:00 pm
Organizer: Lisa Bright

In recent years, natural (and manmade) disasters have been increasing in severity and frequency. Fires, flood, debris flows, earthquakes, and climate change are just a few of the issues impacting the protection and management of archaeological resources statewide. This session promotes data sharing and communication among researchers, agencies, and cultural resource management firms, and lays out the challenges and best practices involved in natural disaster response.

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Symposium 14: After the Smoke Clears: Post-Fire Collaborative Archaeology and Recovery in the Santa Monica Mountains
MR 7&8: 2:00 pm - 4:15 pm
Organizer: Ann Stansell

The destructive 2018 Woolsey Fire is the latest in a series of wildfires that have affected the Santa Monica Mountains National Recreation Area. These serial fires are smoke signals from Mother Nature, a harbinger of a new way of life in the Golden State. The largest wildfire in the recorded history of the mountains ignited on November 8, 2018, in Woolsey Canyon. It spread rapidly to the Pacific Ocean, ultimately burning just under 97,000 acres of a patchwork of National Parks, State Parks, conservancies, local open space, and private land before being contained on November 22, 2018. Existing partnerships and new collaboration among federal and state land managers, Native American communities, colleges/universities, and other local stakeholders have helped to address the post-fire assessment, stabilization, and treatment of cultural resources. As wildfires are becoming more frequent, understanding their direct and indirect impacts to cultural resources is essential to protecting them. The paper presentations in this fire archaeology symposium highlight current regional recovery efforts taking place in the Santa Monica Mountains, illustrating the challenges and opportunities in rebuilding resilience and preparing for a life where fire is a season.

2:00 Native American Pictographic Rock Art in the Santa Monica Mountains — A Post-2018 Fire Condition Report
Albert F. Knight
2:15 A New Normal: Post-Fire Collaborations in California State Parks
Barbara S. Tejada and Thomas A. Wake
2:30 Post-Woolsey Fire Archaeological Site Stabilization in the Santa Monica Mountains National Recreation Area
Nicole D. Kulaga
2:45 Reconciling the Past: Post-Fire Museum Recovery at Santa Monica Mountains
Ann C. Stansell
3:00 Out of the Ashes: Archaeological Investigations of a Post-WWII Structure at Camarillo State Hospital
Colleen M. Delaney, Evelyn Garcia, and Jade F. Willard
3:15 Looking Through the Glass: Using Glass Containers to Date a 20th Century Building at CSU Channel Islands
Jade F. Willard
Symposium 18: Toasted and Roasted: New Insights into Subsistence-Settlement Systems in the Crowder Canyon Archaeological District
RC F&C: 2:00 pm - 4:15 pm
Organizer: Clayton Lebow

In 2016-2017, Caltrans realigned State Route 138 through the Crowder Canyon Archaeological District near Hesperia in San Bernardino County. Applied EarthWorks, Inc., supported the effort by completing preconstruction data recovery excavations at CA-SBR-713 and CA-SBR-3773, followed by construction monitoring and emergency salvage excavations at several previously unidentified locations discovered during construction. Numerous archaeological features were excavated during both data recovery and salvage excavations. Processing of the materials recovered during salvage excavations is underway. In this symposium, we present the results of data recovery excavations and provide preliminary glimpses of the salvage excavations.

2:00 The History of State Route 138 Realignment Project
Laura Chatterton

2:15 Overview of Applied Earthworks' Effort Supporting Realignment of State Route 138
Joyce L. Gerber

2:30 Crowder Canyon Archaeological District Features
Evan A Mills

2:45 Lithic Artifacts from Two Sites within the Crowder Canyon Archaeological District
Douglas R. Harro

3:00 Prehistoric Obsidian Use in the Crowder Canyon Archaeological District
Jill Onken

3:15 Prehistoric Subsistence Practices at Crowder Canyon: An Integrated Analysis of Faunal and Macrobotanical Data
Tiffany C. Clark, Katelyn J. Bishop, and Seetha N. Reddy

3:30 Pollen, Phytolith and Starch Analysis: Local Environmental Conditions and Plant Processing in Crowder Canyon
Erin Enright Parsick

Ian Scharlotta

4:00 The Timing of Cultural Use and Occupations of Crowder Canyon: A Summary of Radiocarbon Age Determinations from Both Past and Recent Archaeological Investigations
Clayton G. Lebow
2:00  Path Across the Past: A Study of Changing Meaning in the Appreciation of Landscape Through a Comparative Analysis of California Obsidian Trade Routes and the Pacific Crest Trail
Doris Vidas

SCA Business Meeting, Orphaned Collections Project Award, and Outstanding Student Paper and Poster Awards
MRI: 3:30 pm - 5:00 pm

This year’s Business Meeting will include the Orphaned Collections Project Award and the Outstanding Student Paper and Poster Awards. The Orphaned Collections Award for 2020 goes to Susan Gilliland and Joan Schneider for their project, Curating the Blue Goose: Project to Assemble, Prepare for Curation, Curate, and Publish the Research Data and Artifact Collection from Dr. Claude N. Warren’s 1960’s Excavations at the C. W. Harris site CA-SDI-149. The Outstanding Student Paper and Poster winners are to be announced.
SUNDAY AT A GLANCE

General Session 9: Prehistoric Archaeology of the Bay Area and North Coast
Ballroom A: 9:00 am - 10:30:00 am

Symposium 19: Uncovering the Indigenous Past at Mission La Purísima Concepción
Ballroom B: 9:00 am - 10:45 am

Forum 3: Maximizing Curated Collections
RC D&A: 9:00 am - 11:00 am

Poster Symposium 3: Formal Models for Traditional Milling Technologies
Exhibit Hall B: 9:00 am - 12:00 pm

Symposium 20: From Borderlands to Bordered Lands: Current Research of California’s Borders
RC E&B: 8:45 am - 12:00 pm

SUNDAY DETAILED PROGRAM

Sunday, March 15, Morning Only

General Session 9: Prehistoric Archaeology of the Bay Area and North Coast
Ballroom A: 9:00 am - 10:30 am
Organizer: General Session

9:00 The Obsidian Story at Toms Point, California: A Multifaceted Analysis of Material Acquisition and Lithic Tool Use on Tomales Bay
GeorgeAnn M. DeAntoni, Lee M. Panich, and Tsim D. Schneider

9:15 Reassessing Changes in Wealth Inequality in Central California
Gregory R. Burns

9:30 Using Proteomic Approaches to Investigate Deer Hunting Patterns from Síi Túupentak (ALA-565/H), Amelogenin and Sex Estimation in Deer Tooth Enamel
Jill Eubanks, Alan Leventhal, Charlene Nijmeh, Glendon Parker, Tammy Y. Buonasera, Brian F. Byrd, Teresa Steele, Monica V. Arellano, Denise T. Jaffke, and Jelmer W. Eerkens

9:45 Prehistoric Occupation in the Northern Monterey Bay: A Predictive Model for the City of Santa Cruz
Ryan T. Brady and Sarah C. Brewer

10:00 A Late Period Pomo Site Near Fort Ross, California, CA-SON-1455
Glenn J. Farris, Richard E. Hughes, Richard T. Fitzgerald, Christina Swiden, Thomas Origer, and Mark G. Hylkema

10:15 Archaeology of Cannabis: The Bell Springs Taliaferro Site
Nick Angeloff

Symposium 19: Uncovering the Indigenous Past at Mission La Purísima Concepción
Ballroom B: 9:00 am - 10:45 am
Organizer: Kaitlin Brown

Recent excavations at Mission La Purísima State Historic Park focused on the area of the Chumash Family Apartments. The project’s goals were to collect data on indigenous life under successive waves of colonialism, teach archaeological methods to UCSB students, work with the Santa Ynez Band of Chumash Indians, and engage with the public by calling attention to the Native space in the mission landscape. This symposium highlights and
interprets the data recovered from this project and contextualizes these findings in light of recent theoretical approaches to colonialism, the broader landscape, and the subaltern narrative within the mission today.

9:00  
*An Overview of Recent Excavations at Mission La Purísima Concepción*
Kaitlin M. Brown

9:15  
*Comparing Shellfish distributions between Mission La Purísima Concepción and Hinterland Communities*
Itzamara Ixta and Griffin Fox

9:30  
*Zooarchaeological Analysis of the Faunal Assemblages from Mission La Purísima Concepción*
Lindsey M. Willoughby, Sara McClure, Hugh D. Radde, Ariel Ostroff, and Jenny Altamirano

9:45  
*Negotiating Indigenous Space: Exploring Chumash Use of Space at Mission La Purísima Concepción*
Marirose A. Meyer, Elena Hancock, and Anthony Cowell

10:00  
*Contextualizing Glass Trade Beads Recovered from Mission La Purísima Concepción and Surrounding Chumash Communities*
Brianna M. Rotella

10:15  
*Shell Bead Production, Exchange, and Consumption by the Chumash Community at Mission La Purísima Concepción*
Brian J. Barbier and Gina Mosqueda-Lucas

10:30  
*Discussant*
Julia Costello

**Forum 3: Maximizing Curated Collections**  
**RC D&A: 9:00 am - 11:00 am**  
**Organizer: Wendy Teeter**

Innumerable California cultural heritage collections exist inside museums and repositories, but often languish without sufficient resources to care for them or allow them to be more useful to educators, researchers, and descendant community members. Knowing that funding, time, and expertise are the main reasons previously expressed, this forum looks to discuss low impact ways to support repositories and improve access and care. Participants will offer their experiences and thoughts on these topics, as well as strategize with the audience on potential solutions and regional collaborations.

**Panelists**  
Wendy Teeter  
Sedonna S. Goeman-Shulsky  
Bryan Much  
Kathy Bancroft  
Amy E. Gusick  
Rosie Clayburn  
James E. Snead  
Karimah Kennedy-Richardson

**Poster Symposium 3: Formal Models for Traditional Milling Technologies**  
**Exhibit Hall B: 9:00 am - 12:00 pm**  
**Organizer: Tammy Y. Buonasera**

Throughout the Holocene, humans in many parts of the world have relied upon groundstone milling tools to increase the amount and breadth of edible food stuffs. Despite the favorable preservation generally afforded these tools, and the central role they once had in processing many plant foods, groundstone milling tools remain an understudied and undertheorized category of technology. This poster session highlights experiments and formal modelling approaches that explore investments of time, labor, and knowledge represented by groundstone milling.
tools in precontact California. The posters integrate experimental data on technological choices with ethnographic data and evolutionary models.

**Sunday, March 15**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Measuring and Modeling Rates of Attrition in Experimental Milling Tools</td>
<td>Christopher E. Beckham, Courtney Carlson, and Tammy Y. Buonasera</td>
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<tr>
<td>9:00</td>
<td>Comparing Energy Expenditures of Mortar and Pestle and Grinding Slab Technologies</td>
<td>Caleb K. Chen, Peiqi Zhang, Meredith Carlson, Christopher E. Beckham, Tammy Y. Buonasera, and Daniel T. Goring</td>
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<td>9:00</td>
<td>Manufacturing Costs of Long Pestles in Late Period Central California: Results from Replicative Experiments</td>
<td>Peiqi Zhang, Caleb K. Chen, Meredith Carlson, Christopher E. Beckham, and Tammy Y. Buonasera</td>
</tr>
<tr>
<td>9:00</td>
<td>Considering Women’s Tech Choices: Grinding Efficiency and Performance Characteristics of Hunter-Gatherer Milling Tools</td>
<td>Meredith Carlson, Caleb K. Chen, Peiqi Zhang, and Christopher E. Beckham</td>
</tr>
<tr>
<td>9:00</td>
<td>Learning Strategies and Groundstone Tools: Understanding Cultural Transmission Through Experimental Archaeology</td>
<td>Daniel T. Goring, Meredith Carlson, Tammy Y. Buonasera, and Jelmer W. Eerkens</td>
</tr>
<tr>
<td>9:00</td>
<td>Modeling Time Investment Tradeoffs for Stone and Wooden Mortars</td>
<td>Meredith Carlson, Caleb K. Chen, Peiqi Zhang, and Christopher E. Beckham</td>
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</tbody>
</table>

**Symposium 20: From Borderlands to Bordered Lands: Current Research of California’s Borders**

**RC E&B: 8:45 am - 12:00 pm**

**Organizer: Joseph Curran**

This symposium showcases current research on California borderlands, including contemporary (Mexico-US), historic (Indigenous-Colonial); and prehistoric (California-Southwest) populations. Today, archaeologists portray borderlands as dynamic, culturally fluid spaces in between regions, polities, or nation-states, and residents as mediators and influencers within broader social, political, and exchange networks. Using multi-scalar diachronic research, scholars expand core-periphery models and explore these vibrant and complex geographic and cultural locations. In California, investigations on borderlands provide further understanding of prehistoric coastal-inland exchange networks ranging across North America, impacts on socioeconomic systems during European settlement, and current attempts to control the flow of goods and people across the enforced national border.

<table>
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<tbody>
<tr>
<td>8:45</td>
<td>Archaeology, Politics, and the Borderlands of Alta and Baja California</td>
<td>René L. Vellanoweth, Antonio Porcayo-Michelini, Amira F. Ainis, and Richard B. Guttenberg</td>
</tr>
<tr>
<td>9:00</td>
<td>When Modern Borders Intersect Ancient Territories: Research Continuity across International Borders</td>
<td>Harumi Fujita and Amira F. Ainis</td>
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<tr>
<td>9:15</td>
<td>Do Archaeology in Baja California? INAH Legal Issues If You Want It.</td>
<td>Antonio Porcayo-Michelini and Raquel Hernandez-Estrada</td>
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<tr>
<td>9:30</td>
<td>Exotic Ceramics from the South Range, Naval Air Weapons Center, China Lake, Mojave Desert, California</td>
<td>Helen F. Wells</td>
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<tr>
<td>9:45</td>
<td>A Peculiar Lithic Assemblage from a Small Habitation Site on the Shivwits Plateau</td>
<td>Kara M. Jones, William Willis, and Elizabeth Shikrallah</td>
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<tr>
<td>10:00</td>
<td>Resistance Is Not Futile: Maintaining Traditional Warfare in the Protohistoric Lower Colorado River Basin</td>
<td>Joseph B. Curran</td>
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<tr>
<td>10:15</td>
<td>Break</td>
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<td>10:30</td>
<td>Nested, Segmented, and Fluid Borders in the Colonial Los Angeles Basin</td>
<td>John Douglass</td>
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<td>10:45</td>
<td>Negotiating an Unstable Borderland: Native-Lived Colonialism along Tomales Bay, 1840–1870</td>
<td>Lee M. Panich</td>
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<tr>
<td>11:00</td>
<td>Las Californias Oscillating Frontiers, Ethnogenesis, and Coloniality on the Edge of Empire, 1536-1848</td>
<td>Ruben G. Mendoza and Jennifer A. Lucido</td>
</tr>
</tbody>
</table>
Sunday, March 15

11:15  Situating Misión Dolores de Córsari: Faunal Resource Patterns in Spanish Colonial Sonora
      Nicole Mathwich

11:30  Border Culture: Fluidity and Rigidity
      Ivan Sandoval-Cervantes

11:45  Discussant
      Karen Harry
In Memory
Sherri Gust
1953-2019

It is with profound sadness that Cogstone Resource Management, Inc. announces the passing of Sherri Gust, President and founder of Cogstone, who passed away unexpectedly on 14 November 2019 following a short illness. The entire Cogstone family mourns her loss. President Desireé Martinez, CFO Molly Valaski, and Vice Presidents Johna Huttm, Kim Scott, and Eric Scott will be taking the helm, fully committed to maintaining the leadership, community participation, and science excellence that were Sherri’s vision for Cogstone.

Sherri founded Cogstone in 2001, and over 18 years built the company into a successful cultural resources management firm. Her decades of experience as an archaeologist, a paleontologist, and an osteologist were integral to Cogstone’s many accomplishments. With Sherri’s passing, Cogstone and the larger cultural resource management community have suffered a major loss. Sherri’s friendship, guidance, and dedication will be greatly missed.

In Sherri’s honor, please consider donating to the Sherri Gust Scholarship Fund at the Pacific Coast Archaeological Society (PCAS). For more information, please see Cogstone’s website at www.cogstone.com.
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Expanding Site Stewardship throughout the West

October 14, 2020

Nevada State Museum
Las Vegas, 309 S. Valley View Blvd., Las Vegas, NV
on the campus of the Springs Preserve

A one-day training workshop will interest volunteer site stewards, program coordinators, agency archaeologists, sponsors, and other members of the public. You will meet other site stewards and program coordinators, receive hands-on training in field skills, and discover best practices for site stewardship programs. Representatives from site stewardship programs in Alaska, Arizona, California, Colorado, Florida, New Mexico, Montana, Nevada, Oregon, Texas, and Utah will attend.

Workshop fee is $25. Registration will open in April, 2020.

Presentations, field exercises, posters and other information related to site stewardship will include:
• rock art documentation,
• photogrammetry/3D scanning,
• partnerships and public agencies,
• GPS training,
• use of mobile apps for monitoring reports, and
• program funding and foundation support.

For more information, or to join the mailing list for future announcements, please contact:
• Beth Padon, Partners for Archaeological Site Stewardship, hpadon@sitesstewardship.org, or
• Wanda Raschkow, Friends of Cedar Mesa, wanda@cedarmesafriends.org, or
• Samantha Rubinson, NV-SHPO Southern Representative & Nevada Site Stewardship Coordinator, srubinson@shpo.nv.gov

The Great Basin Anthropological Conference (GBAC) in Las Vegas, October 15–17, 2020, follows this workshop.