SEPTEMBER PCAS SPEAKER

Steven Schwartz

The Lone Woman of San Nicolas Island: New Discoveries Rewriting Her Story

Recent archival research has provided many new details that help to flesh out the true story of the Lone Woman of San Nicolas Island, as well as providing significant new insights that are rewriting this tragic story. New details include verified specifics of various parts of the story. These details include the Russian massacre, the fate of the islanders removed in 1835, island visitors during the Lone Woman’s time on the island, a new timeline for the contents of the redwood box cache, identification of George Nidever’s mission Indian crew, and the location of Nidever’s. (Continued on p. 3)

DINNER WITH THE SPEAKER

Please join this month’s speaker, Steven Schwartz, for dinner before the September 13 meeting, 6 pm, Mimi’s Café, 4030 Barranca Parkway, Irvine.
JUNE SPEAKER NOTES

Uplifted and Transported: Encounters at Burro Flats

Dr. E. C. Krupp began his presentation by noting he is paid to work with astronomy, but as many of us know, he has a deep interest in archaeoastronomy and has studied and written on solar interactions with rock art sites around the world.

The Burro Flats site is located at the Santa Susana Field Laboratory on the border of Los Angeles and Ventura Counties. The land is now owned by Boeing but was formerly where Rocketdyne tested rocket engines and conducted nuclear research. Because of high security, the rock art sites were protected and are free from vandalism. Dr. Krupp’s father was an aerospace engineer, and the family lived close enough to the facility to see and hear the test firing of rockets. His knowledge of the rock art site came much later.

For many years rock art researchers (Dr. Travis Hudson, Campbell Grant, and Ken Hedges among others) studied Chumash paintings and had identified a number of them as solar markers. In 1979 Dr. Krupp was introduced to the Burro Flats panel, and he monitored the effect of solar interactions with it until 2004. The main panel is very complicated and includes a large concentric circle image at the left end. At winter solstice a triangle of light enters the cave and reaches the outer limits of this circle, receding after about 90 minutes. Observations at spring and fall equinoxes and summer solstice showed no effect.

Further studies looked for landmarks on the horizon that aligned with constructions. One such landmark was a hook-shaped boulder aligned with a line of cupules on a standing boulder in front of a bedrock with mortars. At winter solstice the standing rock casts a shadow directly on the mortars. A pictograph panel on the overhang behind this area includes a disk with forked rays. The area has signs of long-term habitation including a five-foot deep midden. The area was checked for potential damage after the 1994 Northridge earthquake, but none was found. Mountains in the area rose by 6 inches but the alignments at Burro Flats did not change.

Winter solstice was noted to be an important event in the Chumash calendar, and identified solar interactions in the Burro Flats area have been predominately associated with that event. Dr. Krupp notes, however, that many of these interactions tend to occur over extended periods (around 18 days) and so cannot be strictly defined as solstice events.

An important observation made by Dr. Krupp was the association of a site where prehistoric people studied the heavens with a facility where modern man designed technology to reach out into those heavens. The Santa Susana Field Laboratory is the only place on earth where this occurs, and he feels very strongly that it should be preserved as a National Historic Site and possibly a World Heritage Site.

CURATION WORKDAY

When: September 15, 2018, 1 pm
Where: PCAS Curation Facility
Red Car Building

Everyone is welcome. No experience necessary!
Please contact Scott Findlay (714–342–2534, president@pcas.org) for directions.
September Speaker  (continued from p. 1)

Adobe in Santa Barbara. Other significant developments in telling the story of the Lone Woman include a Channel Islands National Park website dedicated to the Lone Woman story, a new edition of Island of the Blue Dolphins, and a bold new portrait based on historical descriptions.

Important new insights include the fact that there were Native speakers who were able to communicate directly with the Lone Woman, and a substantially different story has emerged from what she told them. The story from the Lone Woman’s perspective is quite different from what we have always been told.

Now retired, Steve was the US Navy’s senior archaeologist on San Nicolas Island for 25 years. Due to this unique position, he has become one of the leading experts on the Lone Woman story, the true story behind Island of the Blue Dolphins.

Steve began his federal career in 1980 with the Corps of Engineers in Los Angeles. There he worked a variety of assignments throughout southern California. He specialized more in historical archaeology than prehistoric archaeology, though his assignments ran the full spectrum of cultural resources: archaeology, historic sites, historic buildings, bridges, dams, and shipwrecks.

During his time with the Navy, Steve oversaw the excavation of dozens of archaeological sites spanning several thousand years of island occupation. He developed the Navy’s archaeology program for the island which made extensive use of local universities, most notably California State University, Los Angeles, resulting in over 35 theses and dissertations. Steve facilitated the successful archaeological field school program which brought some 500 archaeology students to the island over the years. He has been the recipient of two Governor’s Awards for Historic Preservation. Most notably, Steve led the team that discovered the cave where the Lone Woman had lived, the location of which had been lost over the years.

PCAS BOARD NOMINATIONS

The PCAS Nominations Committee—composed of Rene Brace, Steve O’Neil, and Brian Steffensen—requests that members interested in serving on the PCAS Board of Directors contact a committee member. The committee is seeking candidates willing to take an active role as a member of a working Board of Directors and who will attend Board Meetings and General Meetings. A biography, not to exceed 125 words, must be submitted to one of the committee members no later than the September General Meeting, September 13, 2018. The submitted biographies will be printed in the October PCAS Newsletter.

At the November General Meeting, PCAS members will elect three Board Members who will serve three-year terms. At this election meeting, nominations may be made from the floor by any member with the prior consent of the nominee.

Please contact: Rene Brace (info@pcas.org), Steve O’Neil (vicepresident@pcas.org), or Brian Steffensen (programs@pcas.org).

Shop at AmazonSmile and Amazon will make a donation to:
Pacific Coast Archaeological Society

Or go to: smile.amazon.com/ch/95-2685178

Get started
JEOPARDY, ANYONE?

Henry C. Koerper

What are these two artifacts? Here is a clue: they both served the same function. Be the first to answer correctly and you will receive a copy of *Trade Routes and Economic Exchange Among the Indians of California* by James T. Davis. This is a Ballena Press, 1974, classic. Email your answer to hkoerper@aol.com.

The winner will be announced in the next Newsletter along with a list of guesses as to what were the uses of these ancient Roman iron artifacts.
PCAS FIELD TRIPS

When: September 29, 2018
Where: Vandenberg Air Force Base, Swordfish Cave

PCAS plans to visit Swordfish Cave on Vandenberg AFB on Saturday, September 29. Last year’s visit to Vandenberg was cut short before we could visit Swordfish Cave because of a wildfire. Details are still to be arranged, but please contact PCAS Field Trips Co-Chair Steve Dwyer to reserve your space and for more information: fieldtrips@pcas.org or 714-969-1911.

JUNE BOARD MEETING SUMMARY

By Megan Galway

President Scott Findlay called the meeting to order on June 23, 12:12 pm, at the Red Car Building, Lacey St., Santa Ana. PCAS Board Members present: Bob Brace, Gail Cochlin, Megan Galway, Jane Gothold (by speaker phone), Ardith Haworth (by speaker phone), Steve O’Neil, and Brian Steffensen. PCAS members present: Rene Brace, Steve Dwyer, and Hank Koerper.

The May 2018 minutes were approved. The June Treasurer’s report and expenditures were reviewed and approved.

Robert Yohe of CSU Bakersfield asked if he may borrow the Tadlock Rose Springs artifacts because the Rose Springs collection is already held at CSU Bakersfield and is being studied there. After discussion, the Board felt that rather than loan the items to Yohe, the collection should be transferred directly to the CSU Bakersfield (in his care as department head). Steve O’Neil has offered to deliver them.

Members visited the Blas Aguilar Adobe Museum on June 16 and were taken on a walking tour of San Juan Capistrano and the Los Rios Historic District by Domingo Belardes. He discussed the preservation and restoration status of numerous sites.

The Board accepted Pat Martz’s invitation to participate in the California Cultural Resources Preservation Alliance 20th Year Anniversary Celebration on September 23 at the Back Bay Interpretive Center.

The Board appointed Rene Brace, Steve O’Neil, and Brian Steffensen to the 2018 Nominating Committee. Potential candidates were discussed.

The Board approved a re-order of PCAS business cards. Fall field trips have not been scheduled, but Steve Dwyer is hoping to schedule a visit to Vandenberg AFB to see Swordfish Cave which was missed on last fall’s trip because of a wildfire.

Joe Hodulik raised $240 for the scholarship fund in June! Speakers have been scheduled for the remainder of 2018.

The meeting was adjourned at 1:20 pm.

JUNE FIELD TRIP TO THE BLAS AGUILAR ADOBE

On June 16 Domingo Belardes led PCAS members on a walking tour of historical sites in San Juan Capistrano and discussed their preservation and restoration.
Lectures

Mural Painting in Pre-Columbian Mexico, by Dr. Teresa Uriarte, will discuss murals from the rock art of Baja California to those created by the Maya and Aztec. LACMA, September 7, 2 pm. Free. Information: www.lacma.org.

Digging Ancient Egyptian Jewelry Mines, by Dr. Kate Liszka (University of Pennsylvania), an ARCE lecture. Bowers Museum, September 8, 1:30–3:30 pm. Fee: $12; Bowers and ARCE members free. Ticket online or onsite. Information: www.bowers.org or 714–567–3677.

“Larramendy” Mammoth Skull and its Implications for Coastal California Archaeology and Anthropology, by Don Morris, National Park Service (ret.), will discuss the up-to-date research on Channel Island mammoths and discovery of the "Larramendy" mammoth skull with associated dating of 13,000 BP, which is coeval with the famous Arlington Man, the oldest human remains found in North America. Chumash Indian Museum, 3290 Lang Ranch Pkwy, Thousand Oaks, September 11, 7 pm. Information: www.venturaarchaeology.org.

Studying Greek Temple: The Hephaisteion in Athens, by Dr. Margaret M. Miles (UC Irvine), a lecture of the AIA, Orange County Chapter. DeNault Auditorium in Grimm Hall, Concordia University, September 23, 2–4 pm. Fee: $5; students and members free. Information: www.aia-oc.org.

Classes, Meetings, and Events (continued)

20th Anniversary Celebration of the California Cultural Resource Preservation Alliance (CCRPA) will have food, singers, storytellers, speakers, basketry demonstrations, artisans, plant demonstrations, and archaeology demonstrations and exhibits. Muth Interpretive Center & Upper Newport Bay Preserve, 2301 University Drive, Newport Beach, September 23, 10 am–3 pm. Free. Information: www.ccrpa.com.

Society for California Archaeology Data Sharing Meetings. Southern Meeting: California State University, Channel Islands, October 6. Northern Meeting: CSU, Chico, October 20. Additional information for both meetings will be available soon: www.scahome.org.

Malki Fall Gathering will be held October 6 and feature Native arts, crafts, food, and games along with demonstrations. Information: http://malkimuseum.org or 951-849-7289.

Archaeology in Joshua Tree National Park Fall 2018, by Daniel McCarthy. A two-day class of the Joshua Tree National Park Desert Institute, October 27, 9:00 am–October 28, 2:00 pm. Fee: $120; members $110. Information and online registration: www.joshuatree.org/desert-institute.html.

Maturango Museum Petroglyph Tours to lower Renegade Canyon (Little Petroglyph Canyon) can now be reserved for fall. Fee: $60; members $55. Information and application forms: www.maturango.org.

Moompetan: Native American Festival, a celebration of local Native American culture with traditional crafts, storytelling, educational programs, live demonstrations, etc. Aquarium of the Pacific, Long Beach, September 22–23, 9 am–5 pm. Fee: included with aquarium admission. Information: www.aquariumofpacific.org.

Editor’s Note: Please confirm time and place of listing prior to the event. Submit items for Dig This to newsletter@pcas.org.

Visit www.pcas.org for all the latest news.
PCAS CODE OF ETHICS

The Pacific Coast Archaeological Society (PCAS) is a nonprofit group of professional and avocational people dedicated to proper management of our cultural resources, public education, and the protection and preservation of archaeological materials and collections.

The following principles have been adopted by the PCAS:

1. Professional methods and forms will be used on all archaeological field surveys, excavations, and laboratory sessions.
2. A complete record of field and laboratory work will be filed with the PCAS Curator and stored at a facility approved by the Society’s Board of Directors.
3. No archaeological materials will be removed without proper permits, landowner permission, and a field research design.
4. Unless otherwise legally stipulated before activity commences, all materials collected will be deposited for further research with the Curator at a facility approved by the Society's Board of Directors.
5. All generated reports will be the property of the Society and distributed as deemed appropriate.
6. All Society field activities will be performed only under the direction of a qualified field archaeologist (Principal Investigator) and the supervision of field or site directors.
7. The above principles will be observed on both Society approved projects and projects performed under the direction of an authorized institution or organization.
8. The Society and its members will strive to educate the public of the importance and proper management of our non-renewable cultural resources and to discourage the collection and commercial exploitation of archaeological materials.
9. PCAS members shall not benefit from the acquisition, purchase, sale, or trade of archaeological artifacts, materials, or specimens.
10. All members shall adhere to City, County, State, and Federal antiquities laws.

PCAS ANNUAL PICNIC

PCAS Speaker Calendar

October 18, 2018 (Third Thursday of October)
Dr. Joan Schneider
Purple Hummingbird: A Biography of Elizabeth Campbell

November 8, 2018
Dr. René L. Vellanoweth
Ancient Droughts, Fires, and Floods: Living with the Elements in the Santa Monica Mountains

December 13, 2018
Steve Freers

PCAS Annual Picnic at Irvine Regional Park, June 14.
### 2018 PCAS Board Members and Committee Contacts

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*PCAS Board Member

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I have read and agree to abide by the PCAS Code of Ethics ____________________________

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