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PCAS Newsletter

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November PCAS Speaker

Brian Barbier

*The Experimental Archaeology of
Olivella Shell Bead Making*

**In-Person and Zoom Meeting
November 10, 7:30 pm. See p. 4.**

**Please note: Speaker will not be present at the
in-person meeting, but will appear via Zoom.**

Brian Barbier will share the results of his *Olivella* bead replication experiments and discuss some ways this research can be applied to the archaeological record. *Olivella* beads were used by California Indians as markers of identity, status, and wealth. Some individuals were buried with thousands of beads—others with few or none. As bead styles and production



methods changed over time, so did the labor required to make them. Through a series of replication experiments, Mr. Barbier answers an array of important questions, including how much labor is required to make each of type of *Olivella* bead and how changes in labor bear on our assessment of bead production and bead use through time.



Brian Barbier is a PhD candidate in the Department of Anthropology at UC Santa Barbara, the Associate Curator of Anthropology at the Santa Barbara Museum of Natural History (SBMNH), and Coordinator of the Central Coast Information Center, now also at SBMNH. He has spent decades learning and teaching traditional technologies and crafts such as flintknapping and basket weaving. He applies his practical knowledge of these skills to his archaeological studies by performing replicative experiments aimed at better understanding traditional technologies.

**For all the latest news,
visit www.pcas.org.**

October Speaker Notes

Investigating the Native Range of California's Endangered Anadromous Salmonids

By Megan Galway

Dr. Gabriel M. Sanchez is conducting a collaborative study with the Amah Mutsun Tribal Band, the Esselen Tribe of Monterey County, and California State Parks to identify the native ranges of California's native salmon species.

Much of the study is based on genetic analysis of early archaeological collections, attempting to determine the salmon population prior to European contact. Many varieties are known to have existed along the Pacific coast, but the study attempts to determine which were native to specific watersheds. Species such as chinook, coho, and steelhead are known to exist down the coast, and these are further divided into 32 subspecies. Attempts are being made to restore native streams to protect this biodiversity because studies indicate that half of these species may be extinct within 50 years.

The native range of the coho is debated. Beginning in 1906, hatcheries were built on some streams, and current populations are influenced by these introduced species. Modern fish remains are being compared with those from the archaeological records from Santa Cruz County and Elkhorn Slough in attempt to determine if they are genetically different over time. If the population can be proved to be original as opposed to hatchery-raised bloodlines, it stands a better chance of being protected.

Previous studies focused on vertebrae variations in different varieties, but modern molecular methods are considered more reliable. DNA comparisons from various regions were inconclusive, but studies by the University of Manchester and University of Oregon were more definitive. These were performed using MALDI-TOF mass spectrometry and identified coho and steelhead in the San Francisco Bay area and steelhead in Santa Cruz. Testing was also done using LC-MS/MS, but these results all came back as steelhead.

It is hoped the results of this study will support the tribes in maintaining the endangered status of these salmon species. The studies are continuing.



PCAS October speaker, Dr. Gabriel M. Sanchez.

PCAS Outreach

PCAS took part in two outreach events in October, California Archaeology Month. The PCAS tables had *Quarterly* issues and brochures, and volunteers explained PCAS's mission and activities.

Archaeopalooza was held at Copper Mountain College in Joshua Tree on October 1. See photo below.

Irene Foster and **Lauren Biltonen** represented PCAS with a table at the San Diego County Archaeological Society's Ark in the Park on October 15.



PCAS table at Archaeopalooza. From left, Jim and Ellen LaMotte, Stephen Dwyer, and Dorothy DeGennaro.



DIG THIS ...



Lectures

God is a Woman! Hemusets, Kas, and Fertility in Ancient Egypt, by Dr. Victoria Almansa Villatoro (Brown University). An ARCE/Bowers Museum on-site lecture, November 5, 1:30 pm. Fee: \$13, Bowers and ARCE members free. Recorded lecture available one week after onsite event. Fee: \$10, Bowers and ARCE members free. Ticket purchase and information: www.bowers.org.

Native Plants of San Diego County throughout Time, by Clark Austin. A lecture of the San Diego County Archaeological Society, Los Penasquitos Ranch House, 12122 Canyonside Park Dr, San Diego, November 15, 7:30 pm. Free. Information: sdcas.org.

The History of Cahuilla Tewanet, by Tracy Albrecht (Bureau of Land Management). A Coachella Valley Archaeological Society lecture, Portola Community Center, 45-480 Portola Ave. Palm Desert, November 18, 6:30 pm. Free. Information: www.cvarch.org.

Kumeyaay Ethnobotany: Shared Heritage of the Californias, by Michael Wilken-Robertson (anthropologist). Bowers Museum, recorded online screening, November 20, 12 am–11:59 pm. Fee: \$10, members \$5, Information and ticket purchase: www.bowers.org.

Classes, Meetings, and Events

The Forgotten Canopy: Ecology, Ephemeral Architecture, and Imperialism in the Caribbean, South American, and Transatlantic Worlds, Conferene 1: Ecology, UCLA William Andrews Clark Memorial Library, November 4, 10 am–4:30 pm and UCLA Mildred E. Mathias Botanical Garden, November 5, 10 am–12:45 pm. ***Conference 1 Workshop***, UCLA Botanical Garden, November 5, 1:45 pm, a Native American community-based workshop will present how Tongva used local plants to build homes and towns. Free. Mandatory in-person registration by **October 31** for all programs. Conference sections will be live streamed. Information: ioa.ucla.edu/events/upcoming.

Kewet: Native American Learning Day & Market, sponsored by the Agua Caliente Band of Cahuilla Indians, City of Palm Springs and Palm Springs Unified School District, will share Agua Caliente culture.

Classes, Meetings, and Events (continued)

Palm Springs High School, 2401 E. Baristo Rd., Palm Springs, November 5, 9 am–1 pm. Free. Information: <https://aguacaliente.org>.

Rock Art 2022 Virtual Symposium, an event of the San Diego Rock Art Association, will be November 5 with three sessions at 10 am, 1 pm, and 3 pm. Free. Registration is required. Information and registration: www.sandiegorockart.org.

Flint Knapping Class at Malki Museum, November 5, 11 am–2 pm. Fee: \$50; take-home kit \$20. Ages 12 and up. Information: <http://malkimuseum.org>. Tickets: www.eventbrite.com/e/flint-knapping-class-at-malki-museum-tickets-437704404657.

14th Annual Archaeology Discovery Weekend—The Pharaohs of Ancient Egypt: Glory, Grit, and Grandeur. Center for Near Eastern Archaeology, La Sierra University, November 12, 3–7:30 pm and November 13, 1–5:30 pm. In-person and online. Program available online. Free. Information and registration: <https://lasierra.edu/cnea/discovery-weekend>.

Visit www.pcas.org for all the latest news.

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

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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.

In-Person Meeting

Location: IRWD Community Room
15500 Sand Canyon Ave., Irvine

The Irvine Ranch Water District neither supports nor endorses the causes or activities of organizations that use the District's meeting rooms which are made available for public use.

Zoom Meeting

- Email a **new** Zoom registration request by **noon on Thursday, November 10**, to membership@pcas.org. You will receive an emailed link meeting.
- Guests (non-PCAS members) are welcome with registration.
- When the presentation starts, please **mute your microphone and turn off your webcam**.

PCAS host **Steve Dwyer** will open the Zoom meeting at 7 pm to allow time to resolve any technical problems prior to the beginning of the PCAS General Meeting and lecture at 7:30 pm.

PCAS Speaker Calendar

December 8, 2022

Dr. Timothy Rowe
The Hartley Site, New Mexico

January 12, 2023

Joyce Stanfield Perry

February 9, 2023

Dr. Vance T. Holliday

March 9, 2023

Dr. Edward J. Knell

April 13, 2023

Dr. James Snead
Relic Hunters: Archaeology and the Public in 19th Century America

2022 PCAS Board Members and Committee Contacts

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PACIFIC COAST ARCHAEOLOGICAL SOCIETY

2023 Calendar Year Membership and Subscription Form

Name(s): _____

Address: _____

City: _____ State: _____ Zip Code _____

Phone: _____ Email: _____

Newsletters will be sent by email unless a mailed copy is requested.

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

Signature

Membership (Includes Quarterly/Newsletter)

Subscription Only

Scholarship Fund

Active Member – \$45

Quarterly – \$40

Donation \$ _____

Family Membership – \$50

Newsletter – \$20

Supporting Member* – \$55

Donor Member* – \$75

Lifetime Member* – \$1000

* May be individual or family membership

www.pcas.org

Join online:

www.pcas.org/membrs.html

Or return with payment to:

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