



JUNE/JULY 2010

PCAS NEWSLETTER

THE MONTHLY PUBLICATION OF THE
PACIFIC COAST ARCHAEOLOGICAL SOCIETY

www.pcas.org

Volume 49 Number 6 & 7

ISSN 0270-6776

JUNE PCAS SPEAKERS

Roderic McLean
Paul E. Langenwalter II
Joyce Stanfield Perry

Buried Sites Archaeology: Life by the Lakes in Laguna Canyon during the Intermediate and Late Prehistoric Period

Roderic McLean directed archaeological investigations in Laguna Canyon and will present the results. People have been living by the lakes in Laguna Canyon, California for thousands of years, given the reliable availability of fresh water resources. The canyon is the only good travel route through the San Joaquin Hills, linking inland resource areas with the ocean. Recent construction exposed hearth features, artifact caches, and a dog burial. This lecture will present in landscape context the results of excavations and scientific analyses of the data, including macro-botanical studies. Issues of nomadism versus sedentism will be addressed. Additionally, the limitations of hand excavations in identifying deeply buried, low density, feature based sites will be discussed.

Paul Langenwalter II will address the recovery of a dog burial at CA-ORA-1055. This dog burial is one of a small number of animal burials from the Orange County region and the only one presently known from the Intermediate Horizon. The skeleton is that of a Techichi or Small Indian Dog. It was buried in a "folded" position with the (continued on page 3)

DINNER WITH THE SPEAKER

Please join this month's speakers, Roderic McLean, Paul E. Langenwalter II, and Joyce Stanfield Perry, and PCAS members for dinner before the June 10th General Meeting. **We will meet at 6 pm at Mimi's Café, 4030 Barranca Parkway, Irvine.**

PCAS MEETINGS CALENDAR

GENERAL MEETING

Free and Open to the Public

June 10 - 7:30 pm

Speakers: Roderic McLean
Paul E. Langenwalter II
Joyce Stanfield Perry

Topic: *Buried Sites Archaeology: Life by the
Lakes in Laguna Canyon during the
Intermediate and Late Prehistoric
Period*

Location: Irvine Ranch Water District
15600 Sand Canyon Ave., Irvine
(between the I-5 and I-405 freeway)

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.

BOARD MEETING

All Members Welcome

June 17 - 7:00 pm

Location: Old Orange County Courthouse
PCAS Library, Ground Floor
211 W. Santa Ana Blvd, Santa Ana

This is the combined June/July Newsletter. The August/September Newsletter will announce the September speaker. There are no General Meetings in July and August.

MAY SPEAKER NOTES

Bolsa Chica Archaeology: A Tribute to Hal Eberhart - Part Two: The Cogged Stones

Submitted by Megan Galway

Dr. Nancy Anastasia Wiley continued her presentation on the Bolsa Chica Mesa sites with a detailed report on the enigmatic cogged stones. Prior to the regular meeting, Dr. Wiley's associate, SRS Photo Director Rezenet Moges, gave a demonstration of current technology being used to document and replicate artifacts – 3-D Photosimile photography and 3-D NextEngine replication scanning. These methods have been used to document and replicate the cogged stones for future study prior to their reburial.

Dr. Eberhart published a study of cogged stones in 1961, and in 1964 he began excavations on the mesa with CSULA students and PCAS volunteers. He was the first to publish a definition of the cogged stone category and an initial typology, noting a wide range of sizes and grooves.

The more common stones start out with a disc shape. Cogged stones may be from 1 ¾ to 6 inches in diameter, 1 to 1 ½ inches thick, and have from 3 to 22 grooves. In the absence of an obvious utilitarian function, and considering many of the stones have been discovered in caches, they are believed to have had ritual significance. Dr. Eberhart defined various types, including the “fish vertebra” which has deep pits around the perimeter of the disc that do not extend to the upper and lower surfaces. The “land and groove” type is the most common type of cogged stone. It has grooves extending to both upper and lower surfaces. The “intermediate” type is similar to the fish vertebra type, but the deep pitted grooves extend to the surfaces. Within each of these categories, cogged stones may have a central pit or rarely be completely perforated.

Cogged stones have been found in a limited area, from Ventura County to San Diego County and east to Cajon Pass. They are concentrated in the Santa Ana River valley and its coastal drainage area. Dr Wiley noted that SRS excavated 145 cogged stones at ORA-83 (the Cogged Stone site).



Rezenet Moges demonstrating technology for documenting and replicating artifacts.



Program Chair Joe Hodulik with May speaker Dr. Nancy Anastasia Wiley.

Both Dr. Eberhart and Dr. Wiley searched existing literature for comparative artifacts, and the only area they identified was coastal Chile where similar stones were referred to as “geometric lithics.” A report published in 1961 on Chilean geometric artifacts described six sites with many straight-sided stones with from three to 24 grooves. This area differed from Bolsa Chica in that it was a desert environment. Further north in Chile, similar stones were found in 1979 in association with a shell midden that was dated to 10,400 BP.

Scientific Resource Surveys, Inc., under the direction of Dr. Wiley, has been working on the Bolsa Chica Mesa for 30 years, and the great variety of cogged stones has allowed Dr. Wiley to expand on Dr. Eberhart's original typology. The trapezoid form (commonly called a jelly mold) is a beveled and furrowed bowl shape, sometimes with the larger surface ground out to form an actual bowl. There is a flared spool form with a full lateral groove. While variations of the familiar cogged shapes are the most common, there are oddities known as sea stars, clover leaves, and cleats, which are considered to fit in the cogged stone category.

As Dr. Wiley had noted last month, some of the most exciting discoveries were made under the old roadbed, which was already in place prior to the first excavations and had never been studied. SRS excavated seven caches, each with a number of stones. The stones generally had between 8 and 17 grooves, and although 16 had no cogs, they were included in the category as they were found in the caches. Broken stones were also found, and a Chilean researcher has suggested they were, perhaps, ritually killed. One stone had been repaired with asphaltum, and a number showed evidence of black and white pigment and red ochre. Exposed strata at the mesa edge included a layer of white pigment 1 to 2 feet below the soil surface. None of the stones showed any evidence of use wear. At ORA-83 dates associated with cogged stones range from 7400 to 7000 BP. An earlier date of 9070 BP has been attributed to bivalve beads from the site, but no cogged stones were associated. Dates for the Chilean sites with geometric lithics generally range from 9500 to 9000 BP, at least 2,000 years older than the cogged stone dates from Bolsa Chica.

MAY BOARD MEETING SUMMARY

President **Scott Findlay** called the meeting to order at 7:01 pm at the Old County Courthouse, Santa Ana, California. Board members present: **Scott Findlay, Steve O'Neil, Megan Galway, Rene Brace, Gail Cochlin, Sherri Gust, Jane Gothold, Ivan Strudwick, and Kathleen Shada.** Members present: **Bob Brace, Hank Koerper, Joe Hodulik, and Mark Roeder.**

The April 2010 minutes were approved. The treasurer's report and expenditures were approved.

We approved the home page of our new website, and **Rene Brace** will be given access to a live copy the last week of May. If everything works as promised, we should have the new format running by the June meeting. We've not yet found a way to handle credit cards or PayPal without adding features to the website; so this project has been deferred until September. Board members with knowledge of historic bottles will be reviewing a donated collection that we're holding and advise on disposition. To the best of our knowledge, this collection has no archaeological provenience.

An offer from JSTOR to place the PCAS Quarterly online will be declined as long as we still have a large inventory of back issues on hand. The Orange County AIA chapter has invited us to participate in an archaeology outreach day on October 3rd. They had originally suggested September 26th, which would have conflicted with our Smithsonian Day event at the Old County Courthouse. We appreciate their consideration and will be looking for volunteers for both events. The PCAS summer picnic will be held on July 8th at Irvine Regional Park. A flyer will be sent to local members closer to the date.

Our updated inventory for CA-ORA-236 is almost complete. **Joe Hodulik's** donation/award table generated \$97 for the scholarship fund in May! Steve O'Neal will be leading a solstice viewing trip to the Owens Valley the weekend of June 19-21. The 2010 Myrtle Soderberg Memorial Scholarship was awarded to Jamie Gray and an additional \$250 award was made to Stephanie Ballejo. Grants of \$250 were made to Clare Bedford and Susan Kuzminsky. **Hank Koerper** reported that PCAS Quarterly, Volume 43, Number 3, will be published in mid-June with at least 3 more issues in process.

The meeting was adjourned at 8:35 pm.

June Speakers (continued from page 1)

forequarters above the hindquarters, then covered by an inverted metate. The position of this burial differs from the previously described flexed and extended dog burials known from the region. The function of this burial is uncertain. It may represent the burial of a pet or part of the destruction of personal property associated with the mourning of its owner.

Joyce Perry will speak to Native American values and will provide commentary on the Laguna Canyon project.

About the Speakers

Roderic McLean is an archaeologist with LSA Associates, Inc. with almost 30 years of experience. He received his BA in anthropology from UCLA and his MA from CSU Fullerton.

Paul E. Langenwalter II received his BA in anthropology from CSU, Long Beach, and his MA in anthropology from UC, Riverside. He is currently an Assistant Professor of Anthropology and Archaeology at Biola University and acting Chairman of the Department of Anthropology. Mr. Langenwalter has an interest and expertise in prehistoric animal ceremonialism. He has published many articles including papers in the PCAS Quarterly.

Joyce Stanfield Perry is an Acjachemen tribal scholar and manager for the Juaneno Band of Mission Indians. She also serves as president of Payomkawichum Kaamalam, an American Indian non-profit organization. She is an Acjachemen/Juaneno descendent with 17 years of experience as a cultural advocate for the Acjachemen people. Her management practices prioritize preservation and open space in order to best protect ancestral sites. As an American Indian consultant for archaeological projects, she has negotiated with landowners for repatriation and reburial of her ancestors and their belongings. She has been instrumental in developing and educating Native and non-Native personnel in forming policies for cultural and historical preservation. Joyce was a member of the Laguna Canyon Foundation Interpretive Exhibit Design Team for the James and Rosemary Nix Nature Center and is very active in the Acjachemen Language Revitalization Project.

PCAS ANNUAL PICNIC

Save the Date

The Annual Picnic will be July 8, 6 pm, at Irvine Regional Park. Hamburgers will be provided, and everyone is asked to bring a side dish. A flyer will be sent out in late June with directions and additional information.

ARCHAEOLOGY DAY 2010 AT GARFIELD ACADEMY

The May 26th PCAS outreach to Garfield Elementary Academy was an enjoyable success! The PCAS Curation Facility, the Red Car Building, is on the grounds of Garfield Academy in Santa Ana. PCAS volunteers presented six activities to fifth grade students. Groups of students rotated through the stations at 15 minute intervals. **Tom Bogdan** and **Ardith Haworth** supervised pottery making. **Megan Galway** discussed rock art symbols and provided stamps for the students to make bookmarks. **Hank Koerper** engaged students with a display of artifacts and supervised the traditional ring-and-pin game. **Mark Roeder** certainly had the attention of the students as he showed fossils and casts from his collection. **Dana Guzman** and **Bob Brace** displayed native foods, and students used manos and metates to grind seed. **Scott Findlay** and **Kathleen Shada** explained the importance of shell to Native people and assisted the students in drilling a shell for a necklace.

We thank Garfield Principal **Linda DeLeon** for welcoming us and David Lofink for helping coordinate the event. The students were interested, very polite, and engaged in the activities. We also thank their teachers, **Ms. Whiteside**, **Ms. Padilla**, **Mr. Marx**, and **Miss Rhone**.



Archaeology Day volunteers.

PCAS undertakes outreach events to promote the understanding of our cultural heritage. Only through understanding, can we protect and preserve our historic and prehistoric sites. This event would not have been possible without our volunteers: **Tom Bogdan**, **Bob and Rene Brace**, **Scott Findlay**, **Megan Galway**, **Dana Guzman**, **Ardith Haworth**, **Hank Koerper**, **Mark Roeder**, and **Kathleen Shada**.



Shells and jewelry making with Scott Findlay and Kathleen Shada.



Pottery making with Tom Bogdan and Ardith Haworth.



Bookmark with rock art symbols.



Mark Roeder with fossils and casts.

2010 Scholarship Report

The PCAS Scholarship Committee is pleased to announce the following scholarship awards for 2010:

Jamie Gray will be entering her Junior year at CSUF this fall. She has been working closely with Dr. Brenda Bowser on the CSUF Archaeology Day outreach program at the Arboretum and has worked as a student laboratory technician on the CA-ORA-64 project. Last September she was one of the student volunteers assisting PCAS at the Smithsonian Day outreach event at the Old County Courthouse. Jamie's focus is on outreach to children, and in 2011 she plans to spend some time at Crow Canyon Archaeological Center in Colorado to learn more about teaching children about archaeology. Jamie will receive the \$500 Myrtle Soderberg Memorial Scholarship.

Stephanie Ballejo will be transferring in the fall from West Valley College in Saratoga, California, to UC, Santa Cruz. Her early interest in cultural anthropology with an emphasis on applied anthropology expanded into archaeology during a 2009 field school in Belize, where she learned both excavation and lab procedures. Stephanie has also volunteered on an archaeological project at Wilder Ranch State Park in Santa Cruz. She hopes to eventually teach at the college level. Stephanie will receive a \$250 scholarship award.

The PCAS Board also awarded the following grants:

Clare Bedford is a master's candidate at the University of Central Lancaster in the UK. She plans to travel to California to study Chumash rock art in association with a UCLA field school. Her project will focus on the use of portable, hand-held X-ray fluorescence technology to analyze pigment, and she hopes to use the results to date the pictographs. Clare will receive a research grant of \$250 towards her field expenses.

Susan Kuzminsky is a Ph.D. candidate at UC, Santa Barbara, and presented a poster at the April SAA conference. The poster highlighted the results of an osteological and chemical analysis of a 9,500-year-old skeleton from San Miguel Island. Susan worked with researchers from UCSB, McMaster University, and the University of Stockholm with cooperation from the National Park Service and Native American groups. Susan will receive a presentation grant of \$250 toward her travel expenses.

The PCAS Scholarship and Grant program is primarily supported by Joe Hodulik's donation/award table at our monthly meeting, along with additional donations from our members. Application forms and guidelines are available on our website www.pcas.org.

JUNE FIELD TRIP

When: June 19-21

Where: Swansea Petroglyph site, Lone Pine area

Steve O'Neil will join us for this field trip to the Swansea petroglyph site where we will watch the sun's rays interact with petroglyph elements during summer solstice sunrise and sunset. Steve's articles on the Swansea site appeared in the October 2009 and March 2010 PCAS Newsletter. PCAS members plan to camp on Saturday and Sunday nights, but members may choose to stay in nearby motels. Camping participants need to be self-reliant with camping gear.

Please sign up for this field trip at the June General Meeting or by contacting Scott Findlay at fieldtrips@pcas.org or 714-342-2534.

Please be aware that you will be required to sign a code of ethics and waiver of liability, which acknowledges that some areas we plan to visit have inherent natural dangers. If you are unable to attend a field trip for which you have signed up, please contact Scott as soon as possible. For contact the day of the field trip, call cell phone 714-342-2534.

SUMMER CURATION WORKDAYS

When: June 12

July 10

August 14

(Call or email to confirm dates)

Time: 1 pm

Where: Red Car Building

We will continue to inventory the PCAS CA-ORA-236 (Coyote Canyon Cave) collection. We plan to inventory the donated collections from other investigations at the site. After work on this collection is completed, we will choose another collection to re-bag, rebox, and inventory. Everyone is welcome. No experience necessary! Please contact Mark Roeder (714-241-8880, curator@pcas.org) or Rene Brace (714-544-6282, info@pcas.org) for directions and to let us know you will be coming.

PCAS Quarterly News

The PCAS Publications Committee expects to publish Volume 43, Number 3 in June. The next issue will also be printed this summer.

DIG THIS...



Lectures

The Holocene Highway: Prehistoric Archaeology of the California Desert Interstate 10 Corridor, by George E. Kline, a lecture of the Coachella Valley Archaeological Society. Cathedral City Community Center, 37-171 West Buddy Rogers, Cathedral City, June 1, 6:30 pm. Free. Information: www.cvarch.org.

Native American Uses of Local Plants, by Stephen O'Neil. A part of the Orange County Natural History Lecture Series. Back Bay Science Center, 600 Shellmaker Rd., Newport Beach, June 2, 7-9 pm. Front gate open 6:30-7:15. Reservations recommended: 949-644-3038 or tidepools@newportbeachca.gov. Information: www.backbaysciencecenter.org.

Tehachapi Museum's 2010 Lecture Series: Watery Places, Rock Art and Community in Native South-Central California: New Archaeological and Environmental Evidence, by David Robinson and Fraser Sturt, and ***The Rock Art of Tehachapi and the Surrounding Areas***, by Jack Sprague, June 26, 6 pm; ***Mojave Desert Petroglyph Dating and the Peopling of the Americas***, by David Whitley, July 17, 6:30 pm; ***Basin Religion and Animal Ceremonialism: Reflections on Mountain Sheep Metaphors and a Possible Bighorn Sheep Shrine from Rose Spring (CA-INY-372, Owens Valley, CA)***, by Alan Garfinkel, and ***Egyptian Mummification After the Pharaohs: A Byzantine Example from Tell El-Hibeh, Egypt***, by Robert Yohe, August 28, 6 pm. Tehachapi Train Depot (corner Green St. and Tehachapi Blvd.). Fee: \$15 per lecture or \$40 for series. To purchase tickets and RSVP, contact the museum at 661-822-8152. Information: www.tehachapimuseum.org.

Explaining Socioeconomic Stability in Prehistoric San Diego County, by Micah Hale, a lecture of the San Diego County Archaeological Society. Los Peñasquitos Ranch Adobe, June 26, 7:30 pm. Free. Additional summer lecture dates will be July 25 and August 28. Information: www.sandiegoarchaeologicalsociety.com.

A Newly Discovered Pyramid - The Byu Expedition to Seila, by Dr. Kerry Muhlestein (Brigham Young University), an ARCE lecture. Bowers Museum, July 24, 1:30 pm. Free. Information: www.bowers.org or 714-567-3600.

(Lectures continued)

The City of Laguna Hills is presenting "Our Cultural History" Speaker's Series: ***The Geologic History and Early Settlement of Southern Orange County*** (July 10, 9 am-noon, S. O'Neil and C. Stadum); ***Our First Inhabitants - Traditional Life of the Acjachemen Tribe*** (July 24, 9 am-noon, D. Belardes); ***Journey to the Traditional Past - Native American Storytelling and Crafts*** (August 8, 9 am-noon, D. Belardes and J. Perry); ***Native Americans and the Missions*** (August 21, 9 am-noon, D. Belardes); ***Ranchos and the "Cow Counties"*** (August 28, 9-11 am, S. O'Neil); and ***Ranches to Farms to Cities, the Transition to Orange County*** (September 11, 9-11 am, S. O'Neil, T.J. Dixon, and J. Nelson). Laguna Hills Council Chamber. Fee: \$15 for each; Laguna Hills residents \$10. Information: 949-707-2680 Online registration: www.ci.laguna-hills.ca.us/depts/commsvcs/classes.asp.

Classes, Meetings, and Events

The Native American Arts Festival of the Idyllwild Summer Program will be held July 11-July 17, 2009. Additional workshops available July 5-July 11; some events open to the public. Fee. Information: 951-659-2171. Online catalog and registration: www.idyllwildarts.org.

The 2010 Pecos Conference will be held August 12-15, Silverton, Colorado. Information and registration: www.swanet.org/2010_pecos_conference.

The 32nd Great Basin Anthropological Conference will be held at the Davis Conference Center, Layton, Utah, October 20-23. Information: Lori Hunsaker at lhunsaker@utah.gov or www.gbac.whsites.net/meeting.

Websites

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.

PCAS CODE OF ETHICS

The Pacific Coast Archaeological Society (PCAS) is a non-profit 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.

Volunteers Needed!

PCAS is in need of volunteers for outreach events. We will be participating in two events this fall. On Saturday, September 25, at the Old Courthouse, we will set up our hands-on and demonstration tables on the lawn and open the PCAS Library as a part of Smithsonian Museum Day. On Sunday, October 3, we will participate in Archaeology Faire at Heritage Hill Historic Park. Please save the dates, and we'll have additional information in the September Newsletter.

Volunteers are always needed at Curation workdays - check the schedule in this Newsletter, wear your grubby clothes, and join us in helping to preserve the collections and make them available for study.

PCAS SPEAKER CALENDAR

September 9, 2010

Dr. John Collins

An Introduction to Southwest Indian Baskets

October 14, 2010

Dr. Steven R. James

November 11, 2010

Dr. Edward Knell

December 9, 2010 (Holiday Potluck Dinner)

Dr. John Johnson

Clues to California Indian Prehistory as Revealed by DNA Analysis

January 13, 2010

Dr. Jerry D. Moore

2010 PCAS BOARD MEMBERS AND COMMITTEE CONTACTS

<u>Office</u>	<u>Name</u>	<u>Email</u>	<u>Phone</u>
*President	Scott Findlay	president@pcas.org	714-342-2534
*Vice-President	Steve O'Neil	vicepresident@pcas.org	949-548-7934
*Secretary	Megan Galway	secretary@pcas.org	714-539-6354
*Treasurer	Rene Brace	treasurer@pcas.org	714-544-6282
*Historian/Librarian/Archivist	Jane Gothold	librarian-archivist@pcas.org	562-947-6506
*Newsletter Editor	Sherri Gust	newsletter@pcas.org	714-245-0264
*Refreshments	Gail Cochlin	refreshments@pcas.org	714-997-0852
*Voting member	Kathleen Shada	kshada@pcas.org	714-381-8182
*Voting member	Ivan Strudwick	istrudwick@pcas.org	949-553-0666
Curator	Mark Roeder	curator@pcas.org	714-299-4150
Donation-Awards Coordinator	Joe Hodulik	donation-awards@pcas.org	949-300-1864
Field Trips	Scott Findlay	fieldtrips@pcas.org	714-342-2534
Membership	Megan Galway	membership@pcas.org	714-539-6354
Programs	Joe Hodulik	programs@pcas.org	949-300-1864
Publicist	Sandy Kennedy	publicity@pcas.org	714-915-7726
Quarterly Editor	Henry Koerper	publications@pcas.org	714-633-9287
Scholarship	Megan Galway	scholarship@pcas.org	714-539-6354
Website	Rene Brace	info@pcas.org	714-544-6282

*Denotes PCAS Board Member

PACIFIC COAST ARCHAEOLOGICAL SOCIETY

2010 Calendar Year Membership and Subscription Form

Name(s): _____

Address: _____

City: _____ State: _____ Zip Code _____

Phone: _____ Email: _____

Yes, I would like to receive my Newsletter by email. Please be sure email above is legible.

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

Signature

Membership (Includes Quarterly/Newsletter)

- Active Member - \$45
- Family Membership - \$50
- Supporting Member* - \$55
- Donor Member* - \$75
- Lifetime Member* - \$1000

* May be individual or family membership

Subscription Only

- Quarterly* - \$37
- Newsletter* - \$18
- Student Associate - \$10 (email Newsletter only)

Scholarship Fund

- Donation \$ _____

Return form with payment to:

**PCAS Membership
PO Box 10926
Costa Mesa, CA 92627-0926**

www.pcas.org