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PCAS NEWSLETTER

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MAY PCAS SPEAKER

DR. NANCY ANASTASIA WILEY

Bolsa Chica Archaeology:

A Tribute to Hal Eberhart

Part Two: The Cogged Stones

Ever the friend of the avocationalist, Dr. Hal Eberhart (CSULA) befriended and worked with Alika Herring to map the boundaries of the Cogged Stone site (CA-ORA-83), and he encouraged Herring to prepare a manuscript documenting his extensive collection of cogged stones from Bolsa Chica Mesa. Eberhart then went on to document the larger distribution of this artifact type, to study the shape variations in order to form types of this enigmatic artifact, to attempt to source their materials, and to consider the possibility of connections with similar looking objects documented from Chile. In 1968 Dr. Hal Eberhart published a classic work on the cogged stone artifact, "The Cogged Stones of Southern California," in *American Antiquity*.

Over the last 30 years, Scientific Resource Surveys, Inc. (SRS) has also been following the lead of Riverside mayor S.J. Evans, who sought all information on cogged stones. Like Evans, SRS contacted the major universities and museums in the US in order to locate a parallel industry in another culture area, if such exists, and has attempted to document all available cogged stones in southern California repositories. SRS has recovered nearly 200 additional specimens from surface collections and excavations on the Cogged Stone site. Dr. Wiley will present this background information and (Continued on Page 3)

DINNER WITH THE SPEAKER

Please join this month's speaker, Dr. Nancy Wiley, and PCAS members for dinner before the May 13th 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

May 13 - 7:30 pm

Speaker: Dr. Nancy Anastasia Wiley

Topic: *Bolsa Chica Archaeology:
A Tribute to Hal Eberhart.
Part Two: The Cogged Stones*

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

May 20 - 7:00 pm

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

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APRIL SPEAKER NOTES

Bolsa Chica Archaeology: A Tribute to Hal Eberhart - Part One: The Sites

Submitted by Megan Galway

Dr. Nancy Anastasia Wiley presented a detailed overview of the history of projects at Upper Bolsa Chica sites. The primary sites were identified as CA-ORA-83, CA-ORA-85, and CA-ORA-86. The first recorded survey of the sites was carried out by Herman Strandt in 1921. Scientific Resource Surveys, Inc., (SRS) led by Dr. Wiley, began work on the Bolsa Chica Mesa in 1980, and the most recent project began in 1990 and was just completed. Dr. Wiley expects the final report to be completed in about two years.

Dr. Eberhart, a professor of archeology at California State University, Los Angeles, began work on the mesa in 1964, with the assistance of PCAS volunteers. Eberhart, Keith Dixon, and Alika Herring prepared the original site report at that time. Early excavations from that time included a great deal of historical debris but also time sensitive projectile points dating in a range of 5,000 to 1,500 BP.

Work on ORA-85 had included a number of research firsts. Obsidian hydration dating performed at UCLA was the first for Orange County artifacts, and methodology for identifying Pismo clam seasonal harvesting was developed. The first evidence of small animals being processed on groundstone was identified.

A major excavation in 1988 found that features/artifacts in the core area of the site had been scattered by agricultural plowing activities. In 1990 SRS began excavations next to the Eberhart units and identified evidence of diverse resources. Artifacts included four quartz crystals, but they found no human remains or cremations. In 2006, in advance of planned development of the site, SRS conducted "purposeful grading" where a 3 to 5 cm layer was graded from the whole mesa top. Human remains were discovered under the historic roadbed, an area that had not been previously excavated. These included bone concentrations and partial skeletons. Dr. Wiley noted that she considered three or more pieces of bone together in one location to be a burial. She also said that as work progressed and new finds were made the research design was constantly rewritten.

ORA-85 and ORA-83 are on opposite sides of the mesa but appear to overlap timewise. Over 30,000 artifacts were recorded from the recent ORA-85 excavations including 12 *Olivella* grooved rectangular (OGR) beads, which were traded from coastal southern California and the Channel Islands to the Great Basin and are a type dating to about 4,900 BP. Three cogged stones were recovered along with what Dr. Wiley called some "ugly" projectile points.



April speaker Dr. Nancy Anastasia Wiley holding a cogged stone.

ORA-86 is identified as the area between Bolsa Chica Road and the mesa edge and measures about 200 ft from east to west and 1,000 ft north to south. Eberhart excavated the lower end of the site and recorded 242 artifacts, including points, groundstone, and bowls. The majority of the artifacts were from the surface, and only five were found in his 10 units. During the recent SRS study, backhoe trenches revealed a pit structure (dating to 2,100-2,240 BP), and, again on the last day of backhoe work, four bone fragments were found under the road. Dr. Wiley suggests this may be indicative of a tree or scaffold burial, with later reburial of the bones.

At ORA-83 little archaeological evidence was found by earlier projects. A section of the site included a grove of eucalyptus trees, and the ground under the trees had been considered too disturbed, and a hardpan layer was considered to be the beginning of sterile soil. SRS has shown that both these assumptions were wrong. The ground under the trees produced better deposits than the ploughed fields, and burials were actually found under the hard pan. The 1990 project produced 25 fire pits and a third of a dolphin skeleton. Between 1990 and 1994 backhoe trenches were cut across the site, and 25 pit structures were identified, each with an approximate 4 m diameter and 2 m depth; additionally, 5,700 beads and 129 cogged stones were found, along with a type of charmstone that has been dated to 5,000 BP in the Central Valley.

Dr. Wiley compared the Bolsa Chica sites to CA-ORA-64 (the Newport site) noting that ORA-85 has *Olivella* beads and ORA-64, *Tivela* beads. Both bead sequences date to the same time period, raising the question of why two sites reasonably close in distance would develop different bead types. Radiocarbon testing on 291 samples from the site has returned dates up to 9,000 BP for the beads and 7,000 BP for bone.

Many PCAS members have worked on these sites over many years, and we look forward to Dr. Wiley's May 13th PCAS lecture on cogged stones.

APRIL BOARD MEETING SUMMARY

President Scott Findlay called the meeting to order on April 15, 7:11 pm, at the Old Orange County Courthouse, Santa Ana, California. Board members present: **Scott Findlay, Megan Galway, Rene Brace, Gail Cochlin, Ivan Strudwick, Sherri Gust, Steve O'Neil, and Kathleen Shada.** Members present: **Bob Brace, Hank Koerper, and Mark Roeder.**

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

Rene Brace advised that the PCAS website will not be updated for the next 30 days, at which time it will be migrated to the new format. **Scott Findlay** and **Megan Galway** have each received copies of Dreamweaver software so that they'll be able to help with updating the website. The board is still investigating the possibility of accepting credit cards and/or PayPal. Responsibilities have been assigned for the Garfield Outreach day on Wednesday, May 26th; additional volunteers are needed.

We have received a grant application from a student in England who plans to come to California this summer to study Chumash rock art. She will be using X-ray fluorescence technology to analyze rock art pigment. The board believes this is a worthwhile study and will vote on the award in May. Our inventory of the Ora-236 collection is almost complete, and nearly 3,000 items will have been entered into an Excel spreadsheet.

Joe Hodulik's donation/award table generated \$81.00 at the April meeting! Joe has also agreed to assist with PCAS publicity and will have the additional title of Chair of Public Relations. PCAS monthly meetings are now listed in the OC Register's "Things to do" section with a link to our website and will be updated monthly. We will also try to interest the Register's new Science Editor in our activities. Our May field trip is tentatively scheduled for the weekend of May 22-23 to Opal Mountain. Reminder emails were sent to members who had not renewed, and four have since renewed.

Quarterly Editor **Hank Koerper** reported that a double issue will be printed within a couple months. He is working on papers that will complete several additional issues.

The meeting was adjourned at 8:35 pm.

Bolsa Chica Archaeology *(Continued from Page 1)*

provide interesting details on the SRS collection, highlighting unique shapes and rare materials. She will also present 3-D documentation, which SRS has pioneered as a technique for total data recordation prior to collection repatriation.

Dr. Wiley began her career studying classical languages. She subsequently broadened her scholarly pursuits to include research focused on both prehistoric and historic archaeology; she was certified in both sub-disciplines by the Society of Professional Archaeologists. Experience in New York State prehistory and a strong classical background in history and architecture have served her well as research director and principal investigator for the oldest cultural resource management firm, Scientific Resource Surveys, Inc. (SRS) (est. 1973). Dr. Wiley has managed the longest privately funded cultural resource investigations in southern California (29 years). These investigations comprise a multi-site and multi-disciplinary project that integrates archaeological, historic, ethnographic and paleontological studies. Within the last three years, she has expanded her expertise in Native American cultural studies and has recently accepted a position as tribal archaeologist for the Chilkat Tlingit Tribal group in Haines, Alaska. She is married to a Tlingit/Southern Tutchone Native, Ted Wiley, and they have opened a branch office of SRS in Haines in order to train Native American monitors. The company is researching the Tlingit language using the Alaskan field notes of J. P. Harrington; the goal is to generate a comparative Tlingit dictionary.

COME EARLY TO THE MAY MEETING!

SRS, Inc. will have an interactive display on cogged stone documentation in the meeting room from 6:30-7:30 pm, prior to the May meeting. SRS Photo Director, Rezenet Moges, who is Deaf, an enthusiastic anthropologist and illustrator, will have two computer slide shows running presenting 3-D Photosimile photography and 3-D NextEngine replication scanning; processes used on all of the cogged stones collected by SRS.

THANK YOU, JOE HODULIK!

Joe Hodulik's Donation-Award Program is the principal funding source for PCAS scholarships and grants. Yes, Joe really does get most of the items for the Awards table from local estate/garage sales. While PCAS members have also been generous with donations of items, Joe supplies most the awards that appear on the tables at each meeting. At 6 am every Saturday morning he is out searching the Mission Viejo and Lake Forest areas for collectables and other treasures. Once in a while, he finds something for himself, but mostly he looks for items that he can add to the eclectic spread of interesting things that are given away (for a ticket) at the end of the meeting.

Running the ticket sales to raise money for the PCAS scholarships and grants is a labor of love for Joe. There are often 50 or more things to choose from each month. He enjoys seeing the excitement of the winners when their numbers are drawn. The odds of receiving an award are incredibly high.

Joe has never submitted a request for reimbursement of his expenses related to this program. His Donation-Award Program raised \$776 in 2008 and \$744 in 2009.

Thank you, Joe, for your all your hard work! A n d thank you to PCAS members and guests who purchase tickets at our meetings and donate items for the awards table.

If you have any items to donate, please contact Joe at donation-awards@pcas.org or 949-300-1864. You can also just bring your donations to a General Meeting and give them to Joe.



Joe Hodulik receiving recognition for his fundraising efforts from Megan Galway in 2009.



Steve O'Neil, Bob Brace, and Megan Galway at the PCAS Quarterly table, 2010 SCA Meeting, Riverside.

SCA ANNUAL MEETING

The Society for California Archaeology Annual Meeting was held in Riverside, March 17-20. As is usual for SCA Meetings, there was a wealth of presentations in various sessions that ran simultaneously. Many PCAS members were among the presenters. The general theme of the conference was curation, and the Plenary Session was "Forging New Frontiers: The Curation Crisis, Stewardship, and Cultural Heritage Management in California Archaeology." The Keynote Speaker at the Awards Banquet was Dr. Sven Haakan-son, Executive Director of the Alutiiq Museum in Kodiak, Alaska. The Reception and Silent Auction was held at the Mission Inn in the Franciscan Chapel Atrio and adjacent Galeria.

PCAS members **Bob and Rene Brace, Megan Galway, and Hank Koerper** manned the PCAS Quarterly sales and information table in the spacious and conveniently located book room. We sold \$800 of Quarterly publications and received 11 new or renewed memberships and subscriptions! We also were able to share information with other avocational society members who had tables or stopped by.

We look forward to the 2011 SCA Meeting which will be held at the Doubletree Hotel Sonoma Wine Country, Rohnert Park, March 10-13, 2011.

VOLUNTEERS NEEDED

Volunteers are needed to help with Archaeology Day at Garfield Elementary Academy, Wednesday, May 26, 8:30 am-1 pm. No experience necessary! Please contact Scott Findlay at president@pcas.org or 714-342-2534.

April Field Trip

PCAS members enjoyed beautiful weather and an incredible display of desert wildflowers on the April 20-23 field trip. The focus of the field trip was Black Canyon and Inscription Canyon rock art, but we truly enjoyed the desert in bloom - particularly the abundance and variety of flowers, some of which we had not seen before.

While hiking in a nearby area, we found what appeared to be a chalcedony quarry with numerous flakes and cores. We also encountered wildlife on this trip - a desert tortoise, a camp-friendly yellow-headed blackbird, a variety of lizards, a gopher snake, and two rattlesnakes. The normally solitary rattlesnakes were intertwined and appeared to be mating. They did not appreciate our intrusion, and we retreated without any close-up photos.



Inscription Canyon rock art panel with superimposition. Note the large big horn with head and horns to the right.



Inscription Canyon rock art panel with a patterned body anthropomorph reminiscent of Coso area rock art.

MAY FIELD TRIP

When: April 22-24

Where: Opal Mountain rock art and nearby sites

We will visit Opal Mountain and other nearby rock art sites. This may be a one to three-day field trip. PCAS members plan to camp on Saturday and Sunday nights. We expect to hike over rough terrain - good hiking shoes, sun screen, hat, etc. are a must. Camping participants need to be self-reliant with camping gear.

Please sign up for this field trip at the April 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.

MAY CURATION WORKDAY

When: May 15, 1 pm

Where: Red Car Building

We will continue to inventory and rebag the PCAS CA-ORA-236 (Coyote Canyon Cave) collection excavated by PCAS in the 1970s. We have nearly completed the inventory of the PCAS excavation, and we will now begin work on the donated collections from other investigations at the site. Megan Galway has entered nearly 3,000 items into an Excel Spreadsheet! Our work will not only better preserve the collection, but will allow additional study.

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.

CURATION WORKDAY SCHEDULE

A set monthly curation workday schedule has been adopted. We plan to meet the Saturday following the PCAS General Meeting each month. In the months with no General Meeting (July and August), we will meet on the second Saturday of the month.

DIG THIS...



Lectures

Pottery Making, by Tony Soares, will demonstrate creating ollas and pottery. A lecture of the Coachella Valley Archaeological Society, Cathedral City Community Center, 37-171 W Buddy Rogers, Cathedral City, May 4, 6:30 pm. Free. Information: www.cvarch.org.

Lucy's Legacy: The Quest for Human Origins, by Donald Johanson, a lecture of the AIA, Orange County Chapter. Beckman Center, Irvine, May 5, 7-9 pm. Arrive early - expect overflow attendance and limited seating. Information: <http://aia-oc.org>.

Feeding the Pyramid Workers, by Dr. Wilma Wettersen, an ARCE lecture. Bowers Museum, May 8, 1:30 pm. Free. Information: www.bowers.org or 714-567-3600.

Abraham Lincoln and the Native Americans, by Dr. Jeff Smith, a lecture of the Native American Institute. Orange Education Center, 1465 N. Batavia St., Orange, May 21, 6:30 pm. Free. For information: www.ocnai.org or 714-879-1337 (Dr. John Collins).

The Crescent Conundrum: Understanding the role of Eccentric Crescents in Prehistoric Southern California, by Tracy Stropes, a lecture of the San Diego County Archaeological Society. Los Peñasquitos Ranch Adobe, May 25, 7:30 pm. Free. Information: www.sandiegoarchaeologicalsociety.com.

Classes, Meetings, and Events

Flint Knapping with Dr. Tim Gross, Part 1, Introduction to Flint Knapping. A cooperative program with the Kumeyaay-Ipai Interpretive Center. The San Diego Archaeological Center, May 8, 10 am-2 pm. (Part 2 will be held on September 18). Fee: \$75 for both classes or \$40 for one class; members, \$40 and \$25. Information: www.sandiegoarchaeology.org. Registration mandatory: Contact Annemarie Cox at acox@sandiegoarchaeology.org or 760-291-0370.

Cotsen Institute Annual Open House will have laboratories, archives, and other "behind the scenes" areas open to the public. Fowler Building, UCLA, May 8, 1-4 pm. Free; parking \$8. Information: 310-206-8934 or www.ioa.ucla.edu.

(Classes, Meetings, and Events continued)

Southern California Indian Storytelling Festival, presented by California Indian Storytelling Association and the Agua Caliente Cultural Museum. Mizell Senior Center, 480 S. Sunrise Way (at Ramon Road), Palm Springs, May 15, 10 am-5 pm and 7-9 pm. Free. Information: 760-778-1079 or www.accmuseum.org.

27th Annual American Indian Art Market and 1st Annual American Indian Film Festival will be held at the Museum of Man, May 15-16. Fee: Admission to art market is free; film festival is free with museum admission. Information: www.museumofman.org or 619-239-2001.

Malki Fiesta, a day long celebration of food, entertainment (Cahuilla Bird Singers), and demonstrations will be held at the Malki Museum, May 30, beginning at 10 am. Free. Information: 951-849-7289 or www.malkimuseum.org.

The California Indian Conference Call for Papers, deadline June 30; poster presentation application deadline August 31. The conference will be held at UCI, October 14-16. Information: <https://eee.uci.edu/clients/tcthorne/welcome.html>.

Websites

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

The Archaeology Channel has videos posted at www.archaeologychannel.org.

Southwestern Archaeology Today, published by the Center for Desert Archaeology, Tucson, focuses on the Southwest, but also reports on wider-ranging archaeology: <http://southwesternarchaeology.blogspot.com>. Sign up for the email newsletter: www.cdarc.org/what-we-do/information-resources/southwest-archeology-today/.

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.

THANK YOU, SHERRI GUST!

Sherri Gust, 2009 PCAS President, was honored at the April General Meeting. She continues to serve as a Board member and Newsletter Editor.



2009 PCAS President Sherri Gust with Joe Hodulik at the April General Meeting.

PCAS SPEAKER CALENDAR

June 10, 2010

Roderic McLean

**Paul E. Langenwalter II and Kevin Buffington
Joyce Stanfield Perry**

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

Roderic McLean directed archaeological investigations in Laguna Canyon and will present the results. Paul Langenwalter II will address the recovery of a dog burial at CA-ORA-1055. Joyce Perry will speak to Native American values and will provide commentary on the Laguna Canyon project.

September 9, 2010

Dr. John Collins

An Introduction to Southwest Indian Baskets

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