MAY PCAS SPEAKER

Dr. Edward Knell

The John D. Cooper Center for Archaeology and Paleontology: The History of Life in Southern California

This presentation about the John D. Cooper Center for Archaeology and Paleontology (“Cooper Center”) provides an insider’s view of the recent, ongoing, and future activities. The mission of the Cooper Center is multifaceted, with a mandate to preserve, curate, manage, and promote use of the archaeological and paleontological specimens collected within Orange County for research, education, outreach, and exhibits. The Cooper Center team, since being fully staffed and opening in July 2011, has made great strides in preserving and researching the collections. (Continued on p. 3)

DINNER WITH THE SPEAKER

Please join this month’s speaker, Dr. Edward Knell, and PCAS members for dinner before the May 9th 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 9 - 7:30 pm

Speaker: Dr. Edward Knell
Topic: The John D. Cooper Center for Archaeology and Paleontology: The History of Life in Southern California
Location: IRWD Community Room
15500 Sand Canyon Ave, Irvine

Board Meeting

All Members Welcome
May 16 - 7:00 pm

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

INSIDE THIS ISSUE

2 April Speaker Notes
3 April Board Meeting Summary
4 Curation Workdays
5 Call for Volunteers
6 Dig This—Exhibits, Lectures, and more
7 PCAS Quarterly Update
7 Speaker Schedule

CALL FOR VOLUNTEERS

Garfield Archaeology Day, June 6
See Page 5 in this Newsletter
Extensively looted by local miners, but some of the looted material was later returned. Few features were evident. One feature, which originally puzzled the researchers, was later determined to be a well of a type widely used by dry climate cultures. The well was dug in this case 10–30 meters away from the lake and so avoided contamination by animals. It was backfilled after seasonal use and marked for future reference with upturned turtle shells. Such features are hard to date, but it is thought that this Blackwater well dates from a climatic dry period at around 8,500 BP.

Lithic artifacts include those of flint, jasper, chert, and quartzite. Mr. Crawford noted that the closest source of usable lithic material is over 200 miles from the site. Different lithics are sourced from a number of areas around the mesa, indicating an extremely wide range of seasonal travel or trade. Some lithic artifacts were found in springs and were possibly offerings. Tools aside from Clovis points included gravers of a type possibly used for tattooing, end scrapers, and a type of blade only found at the Clovis site but resembling a type coincidentally found in Europe. Many artifacts were discovered cached at mammoth kill sites. Very little groundstone was recovered from the Clovis site.

Current studies at the site began in 2009 and include work on a bison kill feature extending 800 meters. Core samples are being sent for analysis to gain a better understanding of the climate, plants, and animals and how these changed over time. Mr. Crawford described the site as a classroom with all the work being done by students. Blackwater Draw has a tremendous long-term research potential.
**APRIL BOARD MEETING SUMMARY**

President Megan Galway called the meeting to order at 7:00 pm at the Old Orange County Courthouse in Santa Ana, California. Board members present: Bob Brace, Gail Cochlin, Sherri Gust, Joe Hodulik, Hank Koerper, Steve O’Neil, and Brian Steffensen. Members present: Scott Findlay and Renee Brace.

The Board approved the minutes of the March 2013 meeting with an addition. The Treasurer’s report was approved.

**Old Business:**

Bob Brace will make an appointment for April 24 to change of signatories on our bank accounts. Several Board members must be present at the banks. There will be a request for volunteers for Archaeology Day in the next newsletter. Archaeology Day at Garfield Elementary will be June 6, and it will be necessary to move tables and activity supplies to the school property because of the massive school/community center construction around the Red Car Building.

**Committee Reports:**

The next curation workday will be May 11. There were 14 volunteers at the April 13 curation workday, including students from El Camino College in Torrance. Volunteers have nearly finished the inventory and reboxing of a number of small site collections. After this is completed, work will begin on a larger collection which has boxes from a PCAS excavation and material accepted from a CRM firm.

Joe Hodulik’s Award-Donation table raised $168 at the April meeting for the scholarship fund! Field Trip Chair Findlay reported that the Motte Rimrock Preserve field trip will be April 27. The site steward and possibly several local rock art researchers will attend. Hodulik stated that the speaker scheduled for November had to cancel because she will be on the East Coast. Librarian Jane Gothold and our volunteer librarians will resume work on the Lavinia Knight collection next month.

PCAS Quarterly Editor Hank Koerper reported that the three double issues on California ceramics should be at the printer this month. Additionally, the Quarterly Committee is working on a double issue with Don Laylander as guest editor.

The meeting was adjourned at 7:32 pm.

**May Speaker (continued from p. 1)**

and educating the Orange County public about the history of life in southern California. During this talk, Dr. Knell will share some of the center’s successes and describe future goals in this ongoing partnership between Orange County Parks and California State University Fullerton (CSUF).

The Cooper Center staff includes Director, Jere H. Lipps, Ph.D., a renowned scientist with a passion for the history of life. The faculty curator for archaeology is Edward Knell (Ph.D., RPA) and his counterpart for paleontology is Jim Parham (Ph.D.), both of whom are Assistant Professors at CSUF. Jeannine Pedersen (MA) is the Associate Curator for Archaeology, and Meredith Rivin (MS) is the Associate Curator for Paleontology. Together, it is their responsibility to steward Orange County’s archaeological and paleontological collections.

To date about 13,000 out of an estimated 1,000,000+ artifacts have been inventoried. The Archaeology Laboratory has finished curating 12 collections with eight more in varying stages of completion. Because of our partnership with CSUF, we have actively engaged undergraduate and graduate students from CSUF and other regional universities in laboratory work and research. A priority is to provide students (college and high school) and community volunteers with opportunities to gain hands-on experience that will teach them about the history of life in Orange County and help jumpstart potential careers in curation and anthropology. The Cooper Center staff has also actively presented results of research at many venues.

During this talk Dr. Knell will highlight the center’s many achievements in researching and educating students and the public about the history of life in Orange County. Moreover, the PCAS is one of the center’s key constituents with its many professional and avocational archaeologists and paleontologists, and part of the goal in this presentation is to solidify connections between these institutions. To help facilitate this goal, several of the key staff and volunteers will be on hand to answer questions and meet members of the PCAS.

**May Field Trip**

**When:** May 18-19

**Where:** Mojave National Preserve

We plan to visit several rock art sites within the preserve. Please be aware you will be required to sign a code of ethics and waiver of liability. You must sign up for this field trip by contacting Scott Findlay: field-trips@pcas.org or 714-342-2534.
CURATION WORKDAYS

The PCAS April 13 curation workday was extremely productive with 14 volunteers attending, including two students from El Camino College in Torrance. At this workday we nearly completed our inventory and reboxing of some relatively small San Diego County and Orange County site collections. These smaller collections have been tackled to free up shelf space for our next endeavor which will be a very large Orange County site collection.

Volunteers assign new inventory numbers to all collection materials. Several years ago Dr. Jill Minar from Fresno City College created our “cheat sheets,” which assist us as we record objects by provenience, material type and description, object name, and any old bag or label notes. Objects are placed in proper curation bags with site name, inventory number, and provenience recorded on the individual bags and on a label placed within the bag. The bags are then placed in standard size boxes and shelved.

Many PCAS members play important roles in our curation process. Scott Findlay pulls collection boxes and organizes the sealing and shelving of inventoried collections while trying to keep our facility clean and neat. Megan Galway has assumed the daunting tasks of entering our data from the lab sheets to an Excel spreadsheet for each site. New volunteers are always paired with veterans, but Megan still must remind us to write legibly and to put our names and dates on each sheet. Hank Koerper has been invaluable for his assistance in artifact identification, and Mark Roeder’s knowledge of faunal materials is indispensable.

Volunteers are always amazed at the variety of artifacts (some directly out of field bags) in our collections. See photos of a discoidal (broadly dating from 8500 to 3500 BP) and historic artifacts, all inventoried on the same curation workday.

MAY CURATION WORKDAY

When: May 11, 2013, 1 pm
Where: Red Car Building

Everyone is welcome. Please contact Mark Roeder (714-299-4150, curator@pcas.org) or Scott Findlay (714-342-2534, fieldtrips@pcas.org) for directions and to let us know you will be coming.
CALL FOR VOLUNTEERS!

PCAS will present Archaeology Day 2013 to student at Garfield Elementary School on June 6. Groups of students will circulate through several stations featuring rock art, artifact identification, paleontology, food processing, shell use, and pottery making.

No experience needed! New volunteers will be paired with members experienced with outreach activities. Please contact Scott Findlay for more information and to volunteer: fieldrips@pcas.org or 714-342-2534. Photos below are from previous Archaeology Days.

Historic artifacts pictured above are from CA-ORA-276. Top: a ceramic rooster with metal loop. Below: ceramic fragments that may be pieces from a child's cup (a tea set?).
**Exhibits**

*Keepers of Orange County’s Past—Preserving Our Heritage*, presented by the John D. Cooper Archaeological and Paleontological Center, a partnership of the County of Orange and CSUF. The exhibit will present artifacts and fossils from 180 million years of prehistory. Third floor exhibit gallery, Old Orange County Courthouse. Free. Courthouse information: [http://ocparks.com/historic/oldcourt](http://ocparks.com/historic/oldcourt) or 714-973-6605.


**Lectures**

*Balls, Bats and Chants: Indigenous Responses to Colonialism*, by Erik Ozolins (Mt. San Jacinto College). Western Science Center, Hemet, May 2, 7 pm. Fee: $8, students $5, members free. Information: [www.westernsciencecenter.org](http://www.westernsciencecenter.org) or 951-791-0033.


**Lectures (continued)**


**Classes, Meetings, and Events**

*Ranches to Farms to Cities, the Transition to Orange County*, by Stephen O’Neil, a class of the Laguna Hills Recreation Department. Laguna Hills City Council Chambers, May 18, 9–11 am followed by an optional field tour. Fee: $12, residents $10. Registration (please register early): 949-707-2680.

**Websites**

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

PCAS QUARTERLY UPDATE

Soon to be finalized are three double-issues, all focused on ceramic artifacts. Vol. 47, Nos. 1&2; Vol. 47, Nos. 3&4; and Vol. 48, Nos. 1&2 are guest edited by Matthew Boxt and Brian Dillon. Students of ceramic effigies will surely enjoy articles by Greg White and by Nancy Desautels-Wiley. All will be at the printers by early May.

Another double-issue (Vol. 48, Nos. 3&4), this one guest edited by Don Laylander, is well along, all 12 of the articles are already reviewed and have undergone two rounds of editing, with one last round of editing remaining. All the submission focus on the contributions of Malcolm Rogers who passed away in 1960.

PCAS SPEAKER CALENDAR

June 13, 2013
Celso D. Jaquez
The Murals of San Bartolo: Olmec Presence in the Preclassic Maya World

September 12, 2013
Dr. Steven J. Waller
Rock Art Acoustics

October 10, 2013
Dr. Jill Gardner

November 14, 2013
To Be Announced

December 12, 2013
Don Christensen
2013 PCAS BOARD MEMBERS AND COMMITTEE CONTACTS

<table>
<thead>
<tr>
<th>Office</th>
<th>Name</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>*President</td>
<td>Megan Galway</td>
<td><a href="mailto:president@pcas.org">president@pcas.org</a></td>
<td>714-539-6354</td>
</tr>
<tr>
<td>*Vice-President</td>
<td>Joe Hodulik</td>
<td><a href="mailto:vicepresident@pcas.org">vicepresident@pcas.org</a></td>
<td>949-300-1864</td>
</tr>
<tr>
<td>*Secretary</td>
<td>Brian Steffensen</td>
<td><a href="mailto:secretary@pcas.org">secretary@pcas.org</a></td>
<td>714-348-9179</td>
</tr>
<tr>
<td>*Treasurer</td>
<td>Bob Brace</td>
<td><a href="mailto:treasurer@pcas.org">treasurer@pcas.org</a></td>
<td>714-544-6282</td>
</tr>
<tr>
<td>*Native American Liaison</td>
<td>Steve O’Neil</td>
<td><a href="mailto:nativeamericanliaison@pcas.org">nativeamericanliaison@pcas.org</a></td>
<td>949-677-2391</td>
</tr>
<tr>
<td>*Newsletter Editor</td>
<td>Sherri Gust</td>
<td><a href="mailto:newsletter@pcas.org">newsletter@pcas.org</a></td>
<td>714-245-0264</td>
</tr>
<tr>
<td>*Quarterly Editor</td>
<td>Hank Koerper</td>
<td><a href="mailto:publications@pcas.org">publications@pcas.org</a></td>
<td>714-633-9287</td>
</tr>
<tr>
<td>*Refreshments</td>
<td>Gail Cochlin</td>
<td><a href="mailto:refreshments@pcas.org">refreshments@pcas.org</a></td>
<td>714-745-0815</td>
</tr>
<tr>
<td>*Voting member</td>
<td>Linda Christison</td>
<td><a href="mailto:lindachristison@pcas.org">lindachristison@pcas.org</a></td>
<td>209-777-2613</td>
</tr>
<tr>
<td>Curator</td>
<td>Mark Roeder</td>
<td><a href="mailto:curator@pcas.org">curator@pcas.org</a></td>
<td>714-299-4150</td>
</tr>
<tr>
<td>Donation-Awards Coordinator</td>
<td>Joe Hodulik</td>
<td><a href="mailto:donation-awards@pcas.org">donation-awards@pcas.org</a></td>
<td>949-300-1864</td>
</tr>
<tr>
<td>Field Trips</td>
<td>Scott Findlay</td>
<td><a href="mailto:fieldtrips@pcas.org">fieldtrips@pcas.org</a></td>
<td>714-342-2534</td>
</tr>
<tr>
<td>Historian/Librarian/Archivist</td>
<td>Jane Gothold</td>
<td><a href="mailto:librarian-archivist@pcas.org">librarian-archivist@pcas.org</a></td>
<td>562-947-6506</td>
</tr>
<tr>
<td>Membership</td>
<td>Megan Galway</td>
<td><a href="mailto:membership@pcas.org">membership@pcas.org</a></td>
<td>714-539-6354</td>
</tr>
<tr>
<td>Publicist</td>
<td>Joe Hodulik</td>
<td><a href="mailto:publicity@pcas.org">publicity@pcas.org</a></td>
<td>949-300-1864</td>
</tr>
<tr>
<td>Scholarship</td>
<td>Megan Galway</td>
<td><a href="mailto:scholarship@pcas.org">scholarship@pcas.org</a></td>
<td>714-539-6354</td>
</tr>
<tr>
<td>Website</td>
<td>Rene Brace</td>
<td><a href="mailto:info@pcas.org">info@pcas.org</a></td>
<td>714-544-6282</td>
</tr>
</tbody>
</table>

*Denotes PCAS Board Member

PACIFIC COAST ARCHAEOLOGICAL SOCIETY
2013 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)          Subscription Only          Scholarship Fund
☐ Active Member - $45                                ☐ Quarterly - $37                ☐ Donation $________
☐ Family Membership - $50                            ☐ Newsletter - $18
☐ Supporting Member* - $55                            ☐ Student Associate - $10 (email Newsletter only)
☐ Donor Member* - $75
☐ Lifetime Member* - $1000

* May be individual or family membership

www.pcas.org

Return form with payment to:
PCAS Membership
PO Box 10926
Costa Mesa, CA 92627-0926