



MAY 2013

# PCAS NEWSLETTER

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PACIFIC COAST ARCHAEOLOGICAL SOCIETY

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## 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 re-searching the collections (Continued on p. 3)



Dr. Edward Knell demonstrating a mano and metate to students at the Cooper Center.

## 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

*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 16 - 7:00 pm**

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

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## CALL FOR VOLUNTEERS

**Garfield Archaeology Day, June 6**

**See Page 5 in this Newsletter**

## APRIL SPEAKER NOTES

### Eighty Years of Paleoindian Research on the Southern Plains—A View from the Clovis Site.

*Submitted by Megan Galway*

Blackwater Draw, location of the Clovis type site, is familiar to many of us, but George Crawford very ably presented information that improved our understanding of the site. Mr. Crawford is the Director of the Blackwater Draw National Historic Landmark, which is owned and managed by Eastern New Mexico University.

Dating from 13,500 BP, the Clovis site's lowest component is a manifestation of the oldest well-defined culture in North America. Later occupation of the site extended into Coronado's expedition of 1640.

Faunal remains associated with Clovis lithic material include mammoth and bison. The association between man and megafauna was first noted in 1936 with the discovery of spear points imbedded in mammoth bones. Also, found on the site were the one ton carnivorous short-faced bear, the 800 pound lion, and the dire wolf, all ferocious predators.

The study area is located on the Llano Estacado, a 130,000 square kilometer plateau spanning the New Mexico-Texas border. The Clovis site is on the New Mexico side, about seven miles northeast of Portales. The plateau is very flat, except where cut in places with arroyos or "draws," such as Blackwater. An ancient pond at the Blackwater complex was spring-fed and marshy. The lack of regular erosion allowed for excellent preservation of older strata, and the site is known for its well-defined stratigraphy. The environment is very harsh today, but early accounts from Spanish expeditions indicate there was a surprisingly large population in the area.

Early work on the site began in the 1930s when dust bowl conditions followed by heavy rains in the Southwest caused the eroding out of tusks, leading to the identification of 28 sets of mammoth bones, most of them in an ancient lakeshore environment. The local soils support a stable pH which assists bone preservation, but the bones quickly disintegrate on exposure to air and have to be quickly treated for preservation. In some cases the bones represented nearly complete skeletons, and the largest set of remains had tusks 16 feet long. The original study site, located in a gravel quarry, was



**PCAS Program Chair Joe Hodulik with April speaker, George Crawford.**

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 graters 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 ground-stone 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 Rene 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**: [fieldtrips@pcas.org](mailto:fieldtrips@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](mailto:curator@pcas.org)) or **Scott Findlay** (714-342-2534, [fieldtrips@pcas.org](mailto:fieldtrips@pcas.org)) for directions and to let us know you will be coming.



April 13 Curation Workday with 14 volunteers. Brian Steffensen (left foreground) consults a *PCAS Quarterly* about one of the small site collections.



Discoidal from the Fremont Canyon survey collection.

## 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](mailto: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?).



## DIG THIS...



### 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> or 714-973-6605.

***Sicily: Art and Invention between Greece and Rome***. The Getty Villa, through August 19. Free admission; parking \$15 and requires timed ticket. Tickets and information: [www.getty.edu](http://www.getty.edu).

### 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.

***Origins of Agriculture in the Near East***, by Ofer Bar-Yosef (Harvard University), May 3, 6–8 pm; ***Before Religion: Excavating the Oldest Maritime Sanctuary in the World***, by Colin Renfrew, May 4, 2:30–4 pm. Cotsen Institute lectures. Lenart Auditorium, Fowler Building, UCLA. Free; parking fee. Information: [www.ioa.ucla.edu](http://www.ioa.ucla.edu).

***Native American Religious Sites Attacked***, by Sam Hunter. An Old School House Lecture of the Desert Institute, 6760 National Park Dr., Twentynine Palms, May 10, 7 pm. Fee: \$5. Information: [www.joshuatree.org](http://www.joshuatree.org).

***The Path of Harwa: An Update on the Reconstruction and Analysis of the 25th Dynasty Tomb of Harwa, the Great Steward, Dr. Francesco Tiradritti***. An ARCE lecture, Bowers Museum, May 11, 1:30 pm. Free. Information: 714-567-3677 or [www.bowers.org](http://www.bowers.org).

### Lectures (continued)

***Cary Ranch Archaeology***, by Bill Eckhardt. San Diego Archaeological Center, May 11, 11 am–1 pm. Information: [www.sandiegoarchaeology.org](http://www.sandiegoarchaeology.org) or 760-291-0370.

***Wisdom in the Waste: Obsidian Studies and Late Prehistoric Social Systems***, by Nikki Falvey. San Diego Archaeological Center, May 17, noon–1 pm. Free with museum admission. Information: [www.sandiegoarchaeology.org](http://www.sandiegoarchaeology.org).

***Rock Art of the Cosos***, by Paul Goldsmith, San Bernardino County Museum, May 23, 7:30 pm. Free. Information: <http://www.co.san-bernardino.ca.us/museum/>.

***Maya Vases Speak: The Story of a Peten Prince's Sacrifice Told in Glyphs and Iconography***, by Judith S. Green Wells. San Diego County Archaeological Society, Los Peñasquitos Ranch House, May 28, 7:30 pm. Free. Information: [www.sandiegoarchaeologicalsociety.com](http://www.sandiegoarchaeologicalsociety.com).

### 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](mailto: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

<u>Office</u>	<u>Name</u>	<u>Email</u>	<u>Phone</u>
*President	Megan Galway	president@pcas.org	714-539-6354
*Vice-President	Joe Hodulik	vicepresident@pcas.org	949-300-1864
*Secretary	Brian Steffensen	secretary@pcas.org	714-348-9179
*Treasurer	Bob Brace	treasurer@pcas.org	714-544-6282
*Native American Liaison	Steve O'Neil	nativeamericanliaison@pcas.org	949-677-2391
*Newsletter Editor	Sherri Gust	newsletter@pcas.org	714-245-0264
*Quarterly Editor	Hank Koerper	publications@pcas.org	714-633-9287
*Refreshments	Gail Cochlin	refreshments@pcas.org	714-745-0815
*Voting member	Linda Christison	lindachristison@pcas.org	209-777-2613
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\*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)

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