



FEBRUARY 2009

PCAS NEWSLETTER

THE MONTHLY PUBLICATION OF THE
PACIFIC COAST ARCHAEOLOGICAL SOCIETY

www.pcas.org

Volume 48 Number 2

ISSN 0270-6776

FEBRUARY PCAS SPEAKER

Dr. James P. Kennett

Environmental and Biotic Consequences of Major Extraterrestrial Impact over North America 12,900 Years Ago

Researchers have discovered remarkable, widespread geological and archaeological evidence for a major extraterrestrial collision over North America 12,900 years ago. Massive energy release from this impact caused continental-wide wildfires and other severe environmental changes. The YDB ET (Younger Dryas boundary extraterrestrial event) impact hypothesis appears to be consistent in explaining at least three major events that have long puzzled the scientific community: 1) the massive, abrupt extinction over North America of many large mammal (e.g. mammoths, camels, sloths, saber tooth cats) and bird taxa; 2) the abrupt disappearance of the Clovis Culture, the first widely distributed peoples of North America; and 3) the triggering of abrupt cooling over broad areas of Earth and associated major change in ocean circulation.

James Kennett is Professor Emeritus in Earth Sciences at UCSB and Research Professor with the Marine Science Institute, of which he was Director from 1987 to 1997. A native of New Zealand, Kennett's work in marine geology and paleoceanography over the last 45 years has assisted with a more comprehensive understanding of major paleoenvironmental and biotic changes that shaped the Cenozoic Era and its stratigraphic record, and of processes involved in this development.

DINNER WITH THE SPEAKER

Please join this month's speaker, Dr. James Kennett, and PCAS members for dinner before the February 12th General Meeting. We will meet at 6 pm at Knowlwood Restaurant, 14952 Sand Canyon, Irvine.

PCAS MEETINGS CALENDAR

GENERAL MEETING

Free and Open to the Public

February 12th - 7:30 pm

Speaker: Dr. James P. Kennett

Topic: *Environmental and Biotic Consequences of Major Extraterrestrial Impact over North American 12,900 Years Ago*

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

February 19th - 7:00 pm

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

INSIDE THIS ISSUE

- 2 December Speaker Notes
- 2 Meeting Date Change
- 3 Incoming President's Message
- 3 2009 PCAS Scholarships and Grants
- 4 January Board Meeting Summary
- 4 February Curation Workday and Field Trip
- 5 Old Courthouse Museum Exhibit
- 6 Dig This - Exhibits, Lectures, and more

2009 MEMBERSHIP RENEWALS ARE DUE!

Check your membership year on the mailing label. Use the form in this Newsletter and mail with your check today!

JANUARY SPEAKER NOTES

Mineral Pigments of California Indians

Submitted by Sandy Kennedy

Paul Campbell brought us an interesting talk on pigments. He has a deep interest in understanding, preserving and practicing skills from California's indigenous past. Mr. Campbell draws on the best scholarship of others, extensive personal research, and interviews with elders who still remember the old ways. Some of his research took him to the Colorado River Delta where he was mentored by an elder from the Cocopah tribe. He was also able to obtain some very fine red ochre from the Walapai, who live in the Grand Canyon area.

Mr. Campbell shared with us the many uses and color ranges of the pigments he has studied by showing slides of pictographs and bringing in samples of painted arrows and painted war clubs. He also discussed the ancient know how and uses of ochre, other than to decorate or paint with, such as for treating body sores, healing sunburns, and protection for new born infants. We learned that yellow ochre, which is fairly common, can be turned red by placing it in fire and that charcoal was used to create blue ochre. He discussed that common binders used with pigments



Paul Campbell with replicated items showing use of pigments.



January speaker Paul Campbell with PCAS Program Chair Joe Hodulik.

were soot, spit, water, blood, fats, pine pitch, and some proteins. Most pigments were kept in buckskin bags (he brought samples for us to view), although pots and shells were good storage vessels as well. He noted that fingers were most commonly used to apply pigments, however sticks, rocks, small arrow weed twigs, feathers, plant cordage, and human hair were also used as paintbrushes. Along with his other items, his paintbrush samples displayed a level of detailed authenticity not easily found.

Additional information on Mr. Campbell's research may be found in his book *Earth Pigments and Paint of the California Indians*. Copies of the book were available at the meeting, with the proceeds generously donated to PCAS.

Our thanks go to Mr. Campbell for his donation and a most interesting lecture.

IMPORTANT DATE AND LOCATION CHANGES

The February 12th Dinner with the Speaker will be held at Knowlwood Restaurant, 14952 Sand Canyon Avenue, Irvine, at 6 pm.

The March General Meeting date has been changed to March 19th, and the Board Meeting has been changed to March 26th. These changes have been made because of a conflict with the Society for California Archaeology Annual Meeting.

INCOMING PRESIDENT'S MESSAGE

By Sherri Gust

Our new year is getting off to an interesting start with the loss of our long-time dinner spot. We will be trying new places each month this year until we find a keeper so make sure to check the newsletter regularly.

The Board's priority remains bringing publication of the Quarterly up-to-date. A prehistoric issue guest-edited by myself and Roger Mason will be headed for printing soon. Subsequently we expect an issue from Beth and Chris Padon, an issue from Jill Gardner on prehistoric artifacts and trade networks, an issue on Horatio Rust - an avocational archaeologist who built major collections now at Beloit, Harvard and other museums, a Mojave Desert issue from Mark Sutton, a Baja issue from Steve O'Neil and possibly a Catalina issue from Ivan Strudwick. Our thanks to all the professionals who responded to our call for guest editors and papers. Please keep them coming!

Our Christmas dinner last year was successful but required a lot of pressure to sell tickets. Special thanks to Debbie McLean of LSA and Gloria Bogdan for really coming through. This year we have decided to go informal and have a potluck. Starting in September, there will be a large poster at each monthly meeting with categories like appetizers, entrees, side dishes and desserts so you can write in what you want to bring. We are also hoping to get CRM companies to provide the main entrees like ham, turkey and roast beef. We look forward to tasting everyone's best dishes. We will also be asking everyone to bring things in disposable containers so left-overs can be taken home.

I want to personally thank last year's President, Scott Findlay. He kept the board meetings focused and short which allowed the board more time to be productive. I will do my best to follow his lead. See you at the meetings.

2009 PCAS SCHOLARSHIP AND GRANTS

With the beginning of the spring semester, scholarship and grant information packages are being sent to local colleges and universities, reminding them of the availability of PCAS scholarships and grants for the 2009/2010 academic year.

For juniors: The Myrtle Soderberg Memorial Scholarship is awarded annually to a student entering his/her junior year in the fall. Applicants must be California residents or attending a California university. The deadline for applications is April 30th.

For graduate and undergraduate students: PCAS Research and Presentation grants are awarded to assist with the cost of research supplies, testing expenses, or conference travel costs. Amounts granted will be at the discretion of the PCAS Board, and priority will be given to applicants willing to incorporate PCAS collections in their study. Grant applications are accepted throughout the year.

Our scholarship and grant program is funded by donations from our members, including funds raised by our monthly Donation-Award table run by Joe Hodulik. In 2008, due to the generosity of our members, we were able to award \$750 to the undergraduate scholarship winner.

Should you know any qualified students who have not heard of our program, please direct them to our website, www.pcas.org, for application guidelines and forms. Questions may be directed to scholarship@pcas.org or by telephone to 714-539-6354.

**\$500+ support available
to students – see above.**

JANUARY BOARD MEETING SUMMARY

President Scott Findlay called the meeting to order January 15, 2009, at 7:05 pm at the Old Courthouse, Santa Ana, California. Board members present: **Rene Brace, Gail Cochlin, Scott Findlay, Sherri Gust, Sandy Kennedy, Hank Koerper,** and **Mark Roeder**. New Board Members present: **Megan Galway,** and **Ivan Strudwick**. Member present: Bob Brace.

The November 2008 minutes were approved. The January treasurer's report was deferred in the absence of the treasurer.

Jane Gothold sent a report on China Ranch and the Shoshone Museum. **Scott Findlay** reported on the purchase of a mobile lectern for our speakers. The very successful Holiday Dinner was discussed, and the Board decided to have a pot-luck in 2009. **Sherri Gust** volunteered to coordinate the food.

President **Scott Findlay** welcomed new Board members **Megan Galway, Steve O'Neil, Ivan Strudwick**. Outgoing Board members **Scott Findlay, Jane Gothold,** and **Hank Koerper** were thanked for their service. The following Board officers were unanimously elected: President, **Sherri Gust**; Vice President, **Ivan Strudwick**; Secretary, **Rene Brace**; and Treasurer, **Tony Sawyer**. All Committee Chairs were reappointed.

The Board approved payment for a PCAS book and information table at the Society for California Archaeology (SCA) in March. It was also agreed to make a donation to the SCA Silent Auction of 2 copies of the Quarterly Index with a certificate attached to each for 4 issues of the PCAS Quarterly. The March General Meeting was changed to March 19 because of conflict with the SCA meeting. The Board Meeting will be March 26. The location of Dinner with Speaker has changed because the previous location was not available. Next month it will be at Knowlwood Restaurant on Sand Canyon, Irvine.

Scott Findlay reported he will schedule Cary Ranch field trips. **Mark Roeder** will coordinate a field trip to the Carrizo Plain. **Megan Galway** stated that renewal notices were mailed, and renewals are being received. **Megan Galway** and **Sandy Kennedy** will send out scholarship information to local colleges on February 1. **Joe Hodulik** has scheduled all spring speaker dates with Dr. Lynn Gamble speaking in May about the Chumash. The Donation-Award activity netted \$41 at the January meeting for the Scholarship Fund.

FEBRUARY CURATION WORKDAY February 14, 1 pm

We plan to continue inventorying, rebagging, and reboxing the PCAS ORA-236 (Coyote Cave) collection. Volunteers are always needed and welcome. Absolutely no experience is 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.



Artifacts from PCAS's ORA-236 collection.

FEBRUARY FIELD TRIP

Where: Anza-Borrego Desert State Park

When: February 21-22 (and possibly 23)

This field trip will coincide with the celebration of the Anza-Borrego Institute's Archaeology Weekend: Cultural Resources Preservation. Activities on February 21 will include lectures and discussions on cultural preservation strategies, pottery and basketry demonstrations, and tours of the archaeology and paleontology labs. This trip can be a day trip or you can dry camp with group leaders and visit sites of interest on Sunday.

Sign up for this field trip at the February General Meeting or by contacting **Scott Findlay** at 714-342-2534 or fieldtrips@pcas.org. 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 714-342-2534.

OLD COURTHOUSE MUSEUM EXHIBIT

Sing Me Your Story, Dance Me Home: Art and Poetry from Native California

The OC Parks Old Courthouse Museum will present “Sing Me Your Story, Dance Me Home: Art and Poetry from Native California,” an exhibition featuring poetry, painting, basketry, jewelry, printmaking, photography and sculpture inspired by California Native American stories, songs, and dance.

The exhibition runs at the Old Courthouse Museum, 211 W. Santa Ana Blvd. in downtown Santa Ana, from February 9 to March 27. The museum is open Monday through Friday from 9 a.m. to 5 p.m. Admission is free.

“Sing Me Your Story” features visual art by contemporary artists such as Rick Bartow, Harry Fonseca, Frank LaPena and Judith Lowry, and poetry by Janice Gould, Deborah Miranda and Stephen Meadows. The work of these artists and poets relate to the renewal and recovery of traditions, ceremony and cultural practices within the Native American community in California. For instance, Deborah McConnell’s basketry uses traditional materials and techniques. James Luna’s “Apparitions I,” a mixed-media photograph and light box, combines historical and contemporary images of Native Americans.

The selection of artwork and poetry in “Sing Me Your Story” reflects the diversity of the Native American community in California. More than 300 languages and distinct geographical centers shape communities, traditions, ideologies and ceremonies. California is home to more than 100 federally recognized tribes, 40 groups seeking federal recognition, and 95 reservations.

“‘Sing Me Your Story’ is a call to California Native artists and poets to share their cultural knowledge and life experience, leading all of us to understand how culture, history, ancestry and story have shaped each one of us – native and non-native,” exhibition curator Theresa Harlan says. “This exhibition carries the potential opportunity for museum audiences to gain an understanding of the complexities of a fuller and richer California.”

The museum can be contacted at 714-973-6605. The museum’s website is www.ocparks.com/oldcourthouse.

Please see the “Dig This” section on page 6 of this newsletter for exhibit special programs.



Deborah McConnell, “Tobacco Pouch,” 2005, hazel sticks, willow roots, beargrass, maidenhair fern dyed with alder bark, porcupine quills dyed with wolf moss and Oregon grape root, and leather ties, 13 inches diameter, 4 1/2 inches deep.



Lyn Risling, “Asiktavanthúkirar Tu’ ípak, Tattoo Woman Returns,” 2003, giclee print, 36 x 28 inches.



Gerald Clarke, “Cahuilla Sounds, Cahuilla Lives,” baseball bat and painted gourd with audio, 12 x 38 x 12 inches.

DIG THIS...



Exhibits

Sing Me Your Story, Dance Me Home: Art and Poetry from Native California, Old Courthouse Museum, Santa Ana, February 9 through March 27. Exhibition **opening reception and film screening** of "Borderlands" (showcases Gerald Clarke, a Desert Cahuilla) on February 13, 5:30-8:30 p.m. An **open house** on March 7, 10 am-4 pm, will feature tours of the exhibit and craft activities. Free. See page 5 of this newsletter for full details.

Lectures

Early Archaic Settlement and Subsistence in the San Jacinto Valley, by Melinda C. Horne (RPA), Coachella Valley Archaeological Society lecture meeting, Cathedral City Community Center, 37-171 West Buddy Rogers, February 3, 6:30 pm. Free. Information: www.cvarch.org.

Gathered to Their Forefathers: Death and Burial in Jerusalem in the Iron Age, by Professor Ronny Reich (Haifa University), February 12, 7 pm, Royce Hall 314; ***Searching for "Older Women": Women's Lives and Women's Work ca. 25,000 Years Ago***, by Olga Soffer (Professor Emerita, University of Illinois at Urbana-Champaign), February 24, 7:30-9:30 pm, Lenart Auditorium, Fowler Building. Both Public Lectures of the Cotsen Institute, UCLA. Fee: Free (parking \$8). Information: www.ioa.ucla.edu.

History of the Indian Canyons, a Spirit Keepers Lecture of the Agua Caliente Cultural Museum. Mizell Senior Center, 480 S. Sunrise Way (at Ramon Road), Palm Springs, February 18, 6:30-8:30 pm. Free. Information: www.accmuseum.org.

Life as Movement: Migration and the Mesa Verde Pueblo People, by Mark D. Varien (Crow Canyon Archaeological Center), a lecture of the AIA, Orange County Chapter. Beckman Center, Irvine, February 21, 2 pm. Fee: \$5; students and members free. Information: www.geocities.com/aiac.

Earliest Ancient Egypt, A Field Report from the Fayum, by Dr. Wileke Wendrich (UCLA), an ARCE lecture. Bowers Museum, February 28, 1:30 pm. Free. Information: www.bowers.org or 714-567-3600.

(lectures continued)

A View From the Braun Lecture Series Wikikmal: Cahuilla Bird Songs of Native Southern California, by Paul Apadaca. Southwest Museum (Mt. Washington), February 28, 1-2 pm. Free. Information: www.autrynationalcenter.org or 323-667-2000.

Classes, Meetings, and Events

The Art and Science of Flint Knapping, by Dr. Jeanne Day Binning and Charles W. Bouscaren. Desert Studies Center, February 20-22. Fee: \$295-\$325 - 2 unit credit. Information: 951-827-5801 or <http://biology.fullerton.edu/dsc/pdf/courses2009winter.pdf>.

Archaeology Weekend: Cultural Resources Preservation, by the Anza-Borrego Institute, February 21-22. February 21st activities will include lectures, craft activities, demonstrations, tours of the labs, and a free ice cream social. Field trips will be held on February 22nd. See PCAS Field Trip information on page 4 of this newsletter. Information: 760-767-4063 or www.theabf.org/specialweekends.htm.

Native American Toys and Games, Blossom Maciel (Cahuilla/Apache), a Living Traditions class about traditional Native American games and their important roles in the daily lives of southern California tribes. Agua Caliente Cultural Museum, February 21, 10:30 am-4:00 pm. Fee \$10. Information: 760-778-1079 or www.accmuseum.org.

Archaeological Surveying, by Wanda Raschko (BLM archaeologist); March 6, 7 pm-9 pm, and March 7, 9 am-5 pm; fee: \$75 (members \$65). ***Primitive Skills: The Universal Tool Kit***, by Paul Campbell (author of *Survival Skills of Native California*); March 8, 8:30 am-4pm; fee: \$70 (\$60 members), includes materials fee. ***Southern California Rock Art***, by Daniel McCarthy (Tribal Relations Program Manager, San Bernardino National Forest); March 15, 8 am-6 pm; fee: \$60 (members \$50). All are classes of the Desert Institute at Joshua Tree NP. Information and registration: www.joshuatree.org or 760-367-5535.

Editor's Note: Please check time and place of all listing prior to the event.

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 SPEAKER CALENDAR

March 19, 2009 (note date change)

Dr. James Snead

Topic to be announced

April 9, 2009

Keith Meldahl

*Hard Road West: History and Geology
along the Gold Rush Trail*

May 14, 2009

Dr. Lynn Gamble

*The Chumash World at European
Contact: Power, Trade, and Feasting
Among Complex Hunter-Gatherers*

RALPH'S COMMUNITY CONTRIBUTION

Register your Ralphs Rewards Card online at www.ralphs.com and choose PCAS as your designated non-profit. Every time you shop and swipe your card, PCAS will automatically earn a rebate. The donation amount will depend on the amount of your monthly shopping bill with rebates beginning at 1% of your purchase.

1. If you do not have a Ralphs Rewards Card, ask for one at any Ralphs store or apply online at www.ralphs.com.
2. Register online at www.ralphs.com. Then click on community contributions. Have your Ralphs Rewards Card(s) available. PCAS's NPO number is 90417.
3. Members must swipe their registered Ralphs Reward Card or use the phone number that is related to their registered card when shopping for each purchase to count.

2008 PCAS BOARD MEMBERS AND COMMITTEE CONTACTS

<u>Office</u>	<u>Name</u>	<u>Email</u>	<u>Phone</u>
*President	Sherri Gust	president@pcas.org	714-245-0264
*Vice-President	Ivan Strudwick	vicepresident@pcas.org	949-553-0666
*Secretary	Rene Brace	info@pcas.org	714-544-6282
*Treasurer	Tony Sawyer	treasurer@pcas.org	714-549-1715
*Curator	Mark Roeder	curator@pcas.org	714-241-8880
*Membership	Megan Galway	membership@pcas.org	714-539-6354
*Publicist	Sandy Kennedy	publicity@pcas.org	714-773-0604
*Refreshments	Gail Cochlin	refreshments@pcas.org	714-997-0852
*Voting member	Steve O'Neil	soneil@pcas.org	949-548-7934
Donation-Awards Coordinator	Joe Hodulik	donation-awards@pcas.org	949-300-1864
Field Trips	Scott Findlay	fieldtrips@pcas.org	714-342-2534
Historian/Librarian/Archivist	Jane Gothold	librarian-archivist@pcas.org	562-947-6506
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Website	Rene Brace	info@pcas.org	714-544-6282

*Denotes PCAS Board Member

PACIFIC COAST ARCHAEOLOGICAL SOCIETY

2009 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

Subscription Only

- Quarterly* - \$37
- Newsletter* - \$18
- Both Publications - \$55

Scholarship Fund

- Donation \$ _____

Return form with payment to:

**PCAS Membership
P.O. Box 10926
Costa Mesa, CA 92627-0926**

* May be individual or family membership

www.pcas.org