



DECEMBER 2010

PCAS NEWSLETTER

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DECEMBER PCAS SPEAKER

Dr. John R. Johnson

Clues to California Indian Prehistory as Revealed by DNA Analysis

Anthropologists have long been intrigued by the patchwork of native languages that existed in Native California. Various scenarios of linguistic prehistory have been proposed to explain the migrations that must have given rise to the diversity and distributions languages and language families. For example, archaeologists, linguists, and physical anthropologists have all contributed data to define the migration that produced the "Takic Expansion" (or "Shoshonean Wedge") between peoples speaking Chumashan and Yuman languages. The advent of DNA analysis is making possible a great leap forward in the study of past migrations throughout the world and is being productively applied to California. Dr. Johnson's lecture will summarize what has been learned recently about California prehistoric population movements as revealed by the distribution of mitochondrial DNA lineages.

John Johnson has served as Curator of Anthropology at the Santa Barbara Museum of Natural History since 1986 and holds an appointment as an Adjunct Professor in Anthropology at the University of California, Santa Barbara, where he has taught an annual course on California Indians since 2004. Johnson's career has been devoted to understanding the culture and history of the Chumash Indians and their neighbors in south central California through the study of archaeology, archival records, and interviews with contemporary Native Americans. He has
(continued on page 3)

PCAS MEETINGS CALENDAR

HOLIDAY POTLUCK DINNER

December 9 - 6 pm

RSVP - see page 4

Lecture: 7:30 pm (free and open to the public)

Speaker: Dr. John R. Johnson

Topic: *Clues to California Indian Prehistory as Revealed by DNA Analysis*

Location: The Duck Club, Irvine
See map and directions on page 5

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.

NO BOARD MEETING THIS MONTH!

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The Holiday Potluck Dinner replaces Dinner with the Speaker. See pages 4 and 5 for information and directions.

Please renew your PCAS membership. Save PCAS postage by renewing before notices are sent out. Use the form in this Newsletter and mail today!

NOVEMBER SPEAKER NOTES

Quarry-Centered Lithic Technological Organization around Ancient Lake Mojave, Eastern Mojave Desert, California

Submitted by Megan Galway

Dr. Edward J. Knell presented some results of his ongoing research in the Soda Lake and Lake Mojave areas of the eastern Mojave Desert. He gave a brief overview of a previous project at Hell Gap, Wyoming - a Paleoindian site. His primary interest is in the study of land use and mobility along with lithic analysis and technology organization. From his earlier projects he has developed a research model that he has now applied to the work in the Mojave Desert.

Dr. Knell identified his research goals as the identification of land use through resource structure, technical organization, and the location of quarries. He also noted the project area, centered on ancient Lake Mojave, would have been very different during the early Holocene, with abundant water and vegetation. He suggests that people were 'tethered' to quarry areas when local resources were abundant, but they ranged further afield if resources were scarce.

The site at Soda Lake, off Highway 15, covers an area from the ridgeline down slope to the lakeshore, centered on the quarry area. The predominant rock being quarried was meta-volcanic. Dr. Knell noted that, based on earlier surveys of the area, he was not prepared for the number of artifacts recorded by his team. It was also found that the artifacts along the shoreline are distinctly different from those on the higher ground. The shoreline artifacts are possibly Paleoindian.

Fourteen sites were identified in the study area with multiple loci per site. The site has not yet been dated, and Dr. Knell hopes that a future geological study will provide dates. Artifacts were not collected, but analyzed in the field based on a number of criteria, such as type, whether cortex was present or absent, and weight. A total of 2,213 flakes were recorded, and of these 29 were identified as bifaces, 9 flake tools, 173 cores, and the remaining 2,002 were debitage. Very few finished tools were seen, and Dr. Knell concludes from the artifact analysis that the local material underwent primarily early-stage manufacture with the resulting bi-face blanks being traded to other areas. More study is needed to identify the larger trade area, although some material has been identified on eastern Soda Lake, at Baker Quarry, and east into the Mojave Preserve.

Dr. Knell plans further study to identify the paleoindian site on the shoreline, determine the climate and resource structure of the site, and how the lithic procurement and manufacture would have been organized.



Program Chair Joe Hodulik with November speaker Dr. Edward Knell.

ROCK ART 2010

PCAS members attended the annual Museum of Man Rock Art Symposium on November 6 in San Diego. The spectacular pictograph from Rancho Bernardo on the right served as the symposium's logo for t-shirts and coffee mugs and is also the logo for the new San Diego Rock Art Association.



Presentations included reports on specific sites, analysis of rock art styles, and new methods such as the creation of megapixel photos which allows recording and study of a large panel while maintaining details of its individual elements.

The PCAS information and Quarterly sales table sold rock art issues and gave out membership information. We thank Ken Hedges for making a table available, and we look forward to the Rock Art 2011.



Megan Galway and Scott Findlay, PCAS Quarterly table.

NOVEMBER BOARD MEETING SUMMARY

President **Scott Findlay** called the meeting to order at 7:11 pm at the Old Orange County Courthouse, Santa Ana, California. Board members present: **Scott Findlay, Megan Galway, Rene Brace, Gail Cochlin, Sherri Gust, Kathleen Shada, Jane Gothold, and Ivan Strudwick**. Members present: **Bob Brace and Hank Koerper**.

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

Sherri Gust has obtained a donated computer server for the digital storage of our important documents, and the board approved the expenditure of software and setup costs. Prior to the meeting, board members began the thinning of the library holdings. Only those works pertaining to the general Pacific Coast study area – along with current procedural works – will be retained. Books of general archaeological interest, in good condition, will be assigned to the donation/award table, site reports and technical books will offered to local colleges and universities, and other volumes will be donated to other non-profits.

The election committee reported that **Bob Brace, Linda Christison, and Hank Koerper** were unanimously elected to 3-year board terms at the November meeting, replacing retiring members **Irene Brace, Gail Cochlin, and Sherri Gust**. We are anticipating an additional donation to our scholarship fund, which will allow us to offer additional awards in the future. Details will be included in our annual scholarship announcement in February. Volunteers will meet at the Irvine Duck Club at 4:00 pm on December 9th to set up the room for our holiday dinner. Additional volunteers are welcome.

Joe Hodulik's donation/award table generated \$85 in October! We are anticipating receipt of Quarterly Volume 44, Nos. 3&4, in January. This is being prepared by a guest editor. **Gail Cochlin** circulated sign up list to bring cookies to our meetings. Months are still available for next year. Cochlin also noted she may be unable to continue as hospitality chair—we would welcome volunteers for this position. Dr. Knell from CSUF has offered to submit periodic reports for the newsletter on the status of the Orange County Curation facility. **Megan Galway** is encouraging members to renew early for the 2011 calendar year to save on the cost of mailing renewal notices. Updated scholarship information will be sent to local colleges and universities in early February. The meeting was adjourned at 8:15 pm.

2010 MEMBERSHIP AND SUBSCRIPTION RENEWALS

PCAS memberships and subscriptions expire at the end of the calendar year, and renewals for 2011 are due on January 1st.

We again encourage members to renew by the end of December to help us save on the cost of printing and mailing renewal notices. Use the membership form in this newsletter, or print one from our website www.pcas.org, and mail with your check before the holiday rush begins. Remember that membership dues paid before December 31st may be deductible for the 2010 tax year.

Postage costs are still increasing, and we encourage members to receive their newsletters by email. We email in printable PDF format, as opposed to the non-printable version posted to the website. If you've not yet accepted this option, please give it some consideration. Check the box on your renewal form, or send an email to newsletter@pcas.org.

We have had an active 2010, with four outreach events, two conferences where we had vendor tables selling the PCAS Quarterly, and a number of field trips and curation work days. Our expedited publication schedule has resulted in 5 single issues and 1 double issue of the Quarterly. We expect 2011 to be just as exciting and productive.

December speaker *(continued from page 1)*

published more than 80 studies regarding this work and frequently works collaboratively with California Indians to recover and preserve information about their past.

In 2009 Johnson served as executive producer and co-writer for the hour-long documentary film *6 Generations*, which premiered on KCET-TV during Native American Month. It tells the story of six generations of women in a Barbareño Chumash. Johnson's most recent publication regarding DNA research was conducted in collaboration with molecular anthropologist Joseph Lorenz. Their chapter on the genetic ancestry of Spanish-Mexican women in colonial California has just been published by the Huntington Library and the University of California Press in Alta California: Peoples in Motion, Identities in Formation, 1769-1850, edited by Steven Hackel (Huntington-USC Institute on California and the West, 2010).

PCAS HOLIDAY DINNER



Join us!

THE DUCK CLUB*, IRVINE
THURSDAY, DECEMBER 9TH, 6PM

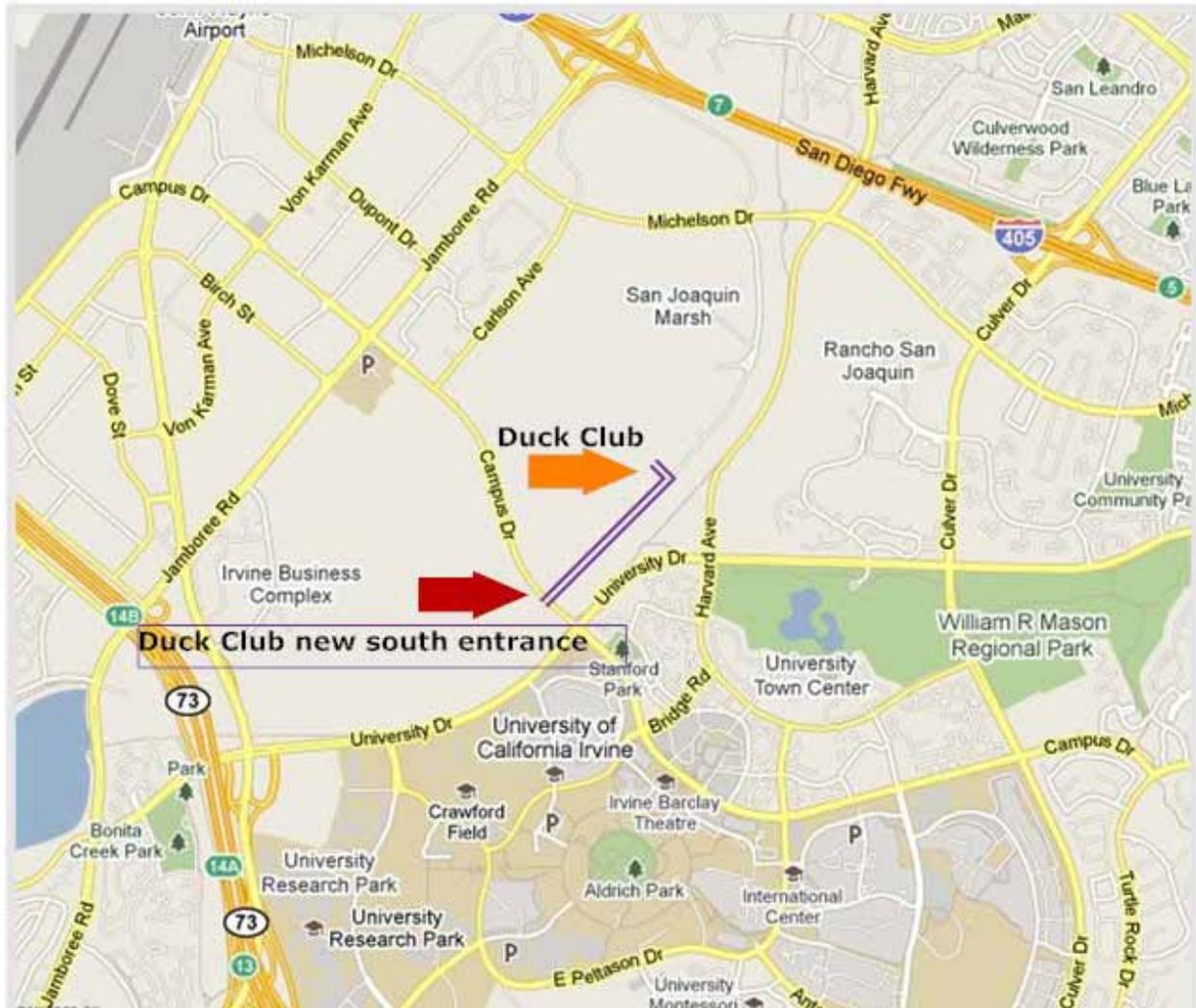
Dr. John Johnson will be speaking on
Clues to California Indian Prehistory as Revealed by DNA Analysis
Lecture at 7:30 pm - free and open to the public
(you may attend only the lecture)

1. Bring a dish to share - appetizers, entrées, side dishes, desserts.
2. Your contribution should serve six people.
3. Your contribution can be volunteering to setup and cleanup.
4. The Duck Club does not allow alcoholic beverages.
5. Bring your food in a disposable container to donate leftovers.
6. CRM Firms - Help out by sponsoring a spiral cut ham, turkey, or roast beef.

Sign up by December 5th.
Email Sherri Gust, Newsletter@pcas.org,
and let us know what you are bringing.

*** Access to the Duck Club involves a detour because of IRWD construction. See map and directions on page 5.**

DUCK CLUB DETOUR DIRECTIONS



The Michelson Drive entry via Riparian View to the Duck Club is closed. A new Campus Drive entrance has been paved. **Please note that the Campus Drive entry is right-turn only.**

Detour Directions from I-405

1. Exit the 405 Freeway on Culver Avenue and go south.
2. Turn right on University Drive.
3. Turn right on Campus Drive.
4. Make an immediate right at the marked entrance to IRWD San Joaquin Marsh.
5. Proceed to Duck Club entrance (on left). Signs will direct you.

If lost, call 714-290-1845.

DIG THIS...



Lectures

Go to War, Destroy the Past, by Pam Ford (Mt. San Jacinto College), will discuss what happens to the archaeological record within the landscape of war. Western Science Center (Hemet), December 2, 7 pm. Fee: \$8; \$5 students; members free. Information: 951-791-0033 or www.westerncentermuseum.org

A Tale of Two Sites: Old Kingdom Subsistence Economy and Infrastructure of Pyramid Construction, by Richard W. Redding (University of Michigan Museum of Anthropology), a Cotsen Institute Friday Seminar. A 222 Fowler, UCLA, December 3, 4-6 pm. Free (parking fee). Information: www.ioa.ucla.edu.

Ancient Andean Societies, by Christopher Purcell, a lecture of the Coachella Valley Archaeological Society. Cathedral City Community Center, 37-171 West Buddy Rogers, December 7, 6:30 pm. Free. Information: www.cvarch.org.

Making for Mut a Porch of Drunkenness: A Field Report on a Decade of Excavation at the Mut Temple, by Dr. Betsy Bryan (Johns Hopkins University), an ARCE lecture. Bowers Museum, December 11, 1:30 pm. Free. Information: www.bowers.org or 714-567-3677.

Classes, Meetings, and Events

Clark Lake Petroglyphs, with Chuck and Mary Bennett, will be a 2.5-3 mile hike. The Anza-Borrego Foundation, December 5, 8:30 am-1 pm. Fee: \$35 (members \$25). Information and registration: www.theabf.org or 760-767-0446.

The Art and Science of Flintknapping, by Jeanne Binning and Charles Bouscaren. Desert Studies Center, February 18-20. Fee: \$325. Information and registration: <http://biology.fullerton.edu/dsc> or 951-827-4105.

The 45th Society for California Archaeology Annual Meeting will be held in Rohnert Park, March 10-13. Information: www.scahome.org.

Websites

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

CURATION WORKDAYS

When: December 11, 1 pm

Where: Red Car Building

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.

The **November workday** was very successful—thanks to all the members who attended. CA-ORA-234, the Spring Site, was inventoried and rebagged. Scott Findlay and Kathleen Shada began a complete inventory and mapping of collections in our facility. Members volunteering: **Candice Brennan, Scott Findlay, Megan Galway, Sherri Gust, Ardy Haworth, Pam and Gary King, Tony Sawyer and his son Michael, Kathleen Shada, and Susan Underbrink.**



Sherri Gust, Tony Sawyer, and Sandy Kennedy working on PCAS's CA-ORA-234 collection, November 2010.



Point and point fragment from CA-ORA-234, the Spring site.

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

January 13, 2011

Dr. Jerry D. Moore

From Campsite to Village to Town: The Origins of Settled Village Life in the Equatorial Andes—Recent Data, New Insights

February 10, 2011

Dr. David S. Whitley

Mojave Desert Petroglyph Dating and the Peopling of the Americas

March 10, 2011

Dr. Nancy Anastasia Wiley

Industries and Tool Kits at Bolsa Chica

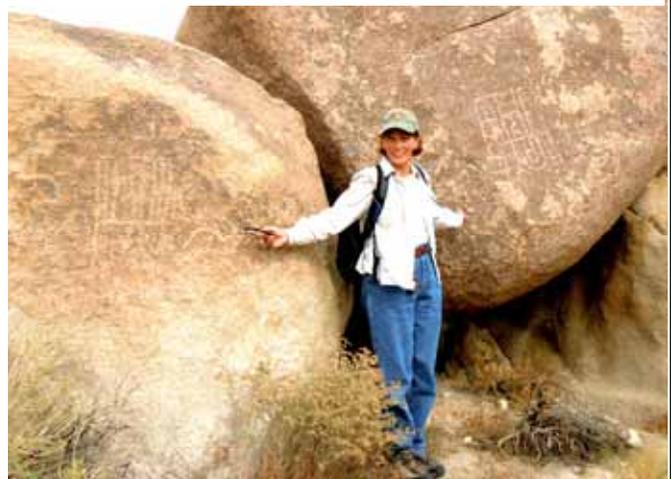
April 14, 2011

Dr. Nancy Anastasia Wiley

Bolsa Chica Bead Chronology

FIELD TRIPS

PCAS members enjoyed beautiful weather over the October 23-24 weekend. Both days were spent hiking in an area north of Yucca Valley and finding numerous petroglyph and pictograph panels. Field trips for 2011 will be announced in future Newsletters.



Dorothy DeGennaro between petroglyph panels, October 2010.

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
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*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
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Website	Rene Brace	info@pcas.org	714-544-6282

*Denotes PCAS Board Member

PACIFIC COAST ARCHAEOLOGICAL SOCIETY

2011 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