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PCAS NEWSLETTER

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JANUARY PCAS SPEAKER

Dr. Jerry D. Moore

The Origins of Settled Village Life in the Equatorial Andes—Recent Data, New Insights

The emergence of settled village life—frequently called "the Formative transition"—has been explored by archaeologists throughout the Americas. In South America, southwestern Ecuador has an extremely early archaeological record for the Formative transition, providing the principal framework for understanding the emergence of social complexity in the equatorial Andes. Recent excavations in the department of Tumbes, Perú, have documented markedly different Formative developments, coeval but distinct from those known in southwestern Ecuador, with significant variations in domestic architecture, public architecture, and settlement patterns. Recent data from Tumbes and adjacent regions of southern Ecuador are contributing to a major reassessment of the Formative transition in the equatorial Andes, a new perspective with implications for other regions in the Americas.

Jerry D. Moore is Professor of Anthropology at California State University Dominguez Hills. His research interests focus on cultural landscapes, the archaeology of architecture, and human adaptations on the north coast of Peru and northern Baja California. His fieldwork has been supported by the National Science Foundation, the National Geographic Society, the Wenner-Gren Foundation for Anthropological Research, the Getty Research Institute, and other agencies and foundations. *(continued on page 4)*

DINNER WITH THE SPEAKER

Please join this month's speaker, **Dr. Jerry Moore**, and PCAS members for dinner before the January 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

January 13 - 7:30 pm

Speaker: Dr. Jerry D. Moore

Topic: *The Origins of Settled Village Life in the Equatorial Andes—Recent Data, New Insights*

Location: Irvine Ranch Water District
15600 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

January 20 - 7:00 pm

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

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Please renew your PCAS membership for 2011. Use membership form on page 8.

DECEMBER SPEAKER NOTES

Clues to California Indian Prehistory as Revealed by DNA Analysis

Submitted by Megan Galway

Dr. John Johnson began his presentation by reminding us of his long association with PCAS, dating back to his membership in the PCAS Explorer Scout troop. Dr. Johnson, in association with molecular biologist Joseph Lorenz, has been studying the genetic heritage of Mexican/American and Chumash women in Southern California. The study utilizes mitochondrial DNA (mtDNA) that is transmitted only through the mother. Dr. Johnson has identified a number of Chumash women whose lineage is documented through mission records and extends back in an unbroken female line to pre-contact times. The mtDNA of these women has enabled the researchers to create "founding groups" of genetic markers for Chumash and other cultures.

California Native people have a high degree of language diversity, and this has long been used to identify migrations. Diversity within language groups has been used to attribute time depths to these migrations. Dr. Johnson described four possible alternate scenarios: original Paleo-Indian colonization with language changing through time, population replacement by a different language group, elite dominance by a different language group, and intermarriage between two different groups. The genetic model anticipates the following results relating to these four scenarios: group specific markers, differences in DNA, no genetic difference but language differences, and shared genes but different languages.

The Chumash language is considered an isolate with no similarity to other language groups, and so the Chumash were expected to be genetically distinct. Hokan and Penutian groups with a shared linguistic base should have genetic similarities. Yokut and Uto-Aztecan groups, known to have originated outside of California, share genetic markers with their regions of origin. DNA studies of burials from the Channel Islands have the same mtDNA markers found in modern Chumash women, verifying an unbroken female line from that time.

The oldest DNA in North America is from a site in southern Alaska and dates to about 10,300 BP. Markers from this DNA have been identified in modern Chumash and groups in northwest New Mexico, Ecuador, Peru, and Chile. Dr. Johnson believes this



Program Chair Joe Hodulik with December Holiday Dinner speaker Dr. John Johnson.

indicates an ancient coastal migration of this particular group. He also teased us with a new (as yet unpublished) Clovis period burial carrying the same markers.

In summary, the study supports a Yokut expansion from the Great Basin into California, the migration of Uto-Aztecan people from the American Southwest into California after 2,100 BP, and Chumash origins from a late Pleistocene coastal migration.

PCAS SPEAKER CALENDAR

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

May 12, 2011

Dr. Mark Sutton

The Takic Expansions and a New Interpretation of Southern California Prehistory

Update on Orange County's John D. Cooper Archaeological and Paleontological Center

Submitted by Elizabeth Sutton, Associate Curator of Archaeology, Cooper Center, CSU Fullerton

With the advent of a new year, Cal State Fullerton and Orange County are nearing completion of building renovations for the new John D. Cooper Center in Santa Ana. The Cooper Center is expected to be open by the middle of March and will curate and manage the archaeological and paleontological collections currently housed by the County. The newly renovated building will feature climate controlled curation space, laboratory and collections processing space, and staff offices. Archaeology staff includes a Curator of Archaeology, Dr. Edward J. Knell, Assistant Professor of Anthropology at Cal State Fullerton, and an Associate Curator of Archaeology, Elizabeth Sutton, M.A. A Technical Advisory Committee is also being formed that will include an archaeologist, a Native American representative, and one County appointee for archaeology.

Once open the Cooper Center staff, students, and volunteers will begin processing the 3000 boxes of archaeological material held by the County, which contains important collections from over 250 archaeological sites. The Cooper Center will begin the lengthy task of bringing the collections up to modern curation standards. To assist with this process, an internship program for undergraduate and graduate students has been established through Cal State Fullerton that provides hands-on experience in many aspects of archaeological collections management. During the assessment process, collections will be carefully documented to allow for easier research access and bulk material reduced to create storage space in anticipation of accepting new collections in the future. The Cooper Center will be working with the Orange County Board of Supervisors to establish a curation fee schedule and establish clear guidelines for accessioning and accepting existing and new collections as storage space becomes available. The existing storage area is very full at present.

The Cooper Center strongly desires to be an important educational and scientific resource for the residents of Orange County. As the Center continues to grow and expand it will offer educational and public programs, *(continued on page 7)*

JOE HODULIK HONORED AT HOLIDAY DINNER



At our holiday dinner, Scholarship Committee Chair Megan Galway presented an overview of PCAS awards for the past eight years. During this time PCAS has awarded one \$750 scholarship, eight at \$500, and four at \$250, along with 3 research grants totaling \$1,050 and four presentation grants totaling \$1,000. The total amount awarded during this period was \$7,800.

The primary source of funding for these scholarships is the donation/award table at our monthly meeting, managed by Joe Hodulik. Joe spends his own time and money at garage sales and the like, gathering items for this table. He transports many boxes of goodies, and sets up the table every month. Joe also currently acts as our program chair. The succession of interesting and entertaining lectures during recent years is thanks to his efforts. This is not always an easy job, trying to coordinate with people's busy schedules.

Is all this enough for one person to handle for our society? Apparently not. Joe also acts as our liaison with the Irvine Ranch Water District, reserving our room and the Duck Club up to a year in advance and making sure we have keys and key codes prior to every event.

We hope our members will acknowledge and appreciate volunteers such as Joe. Thank you, Joe, for all you do for PCAS!

If you have items to donate to the Donation-Award table, contact Joe or just hand-deliver to Joe at a meeting. If you have any suggestions for speakers, contact Joe at donation-awards@pcas.org.

CURATION WORKDAYS

January Workday

When: January 15, 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.

December Workday

Volunteers completed the inventory of several small site collections, and Kathleen Shada completed an inventory of the boxes in the facility. December volunteers: Bob and Rene Brace, Scott Findlay, Megan Galway, Dana Guzman, Beth Karner, Mark Roeder, Tony Sawyer and his son Michael, Kathleen Shada, and Susan Underbrink.



December 2010 curation workday.



Beads from the CA-ORA-107 (Bonita Sheep Corral) collection.

JANUARY FIELD TRIP

When: January 29-31, 2011

Where: Hayfield and Corn Springs Petroglyphs

This can be a 1 to 3 day trip. We plan to camp at a BLM campsite at Corn Springs.

Please sign up for this field trip by contacting Scott Findlay at 714-342-2534 or fieldtrips@pcas.org. If you are unable to attend a field trip for which you have signed up, contact Scott as soon as possible. For contact the day of the field trip, call cell phone 714-342-2534.



Possible depiction of paddle-wheeler at Corn Springs. Paddle-wheelers were first used on the Colorado River, 40 mi east of Corn Springs, in the 1850s.

November Speaker (continued from page 1)

He is the author of *Architecture and Power in the Prehispanic Andes: The Archaeology of Public Buildings* (1996 Cambridge University Press), *Cultural Landscapes in the Prehispanic Andes: Archaeologies of Place* (2005 University Press of Florida), twenty-one peer-reviewed articles and book chapters, and thirty professional papers on his work in the Andes. Moore also has conducted archaeological research in Baja California and is the co-editor with Donald Laylander of *The Prehistory of Baja California: Advances in the Archaeology of the Forgotten Peninsula* (2006 University Press of Florida) which was chosen as a 2007 Choice Distinguished Book. In addition, Moore has written one of the leading textbooks on anthropological theory, (2008) *Visions of Culture: An Introduction to Anthropological Theories and Theorists* which is in its 3rd Edition and he edited a companion collection of primary materials published in 2009, *Visions of Culture: An Annotated Reader*. He has recently completed the manuscript for a new book, *The Prehistory of Home*.

PCAS Holiday Dinner

PCAS members and guests enjoyed the Holiday Potluck Dinner on December 9th at the Duck Club. We had a variety of plentiful, delicious food and a great speaker. Thanks to everyone who brought a dish to share and especially to Sherri Gust for her donation of the spiral-cut ham.

This enjoyable evening would not have been possible without the efforts of many people. **Joe Hodulik** coordinated the reservations for the facility. **Bob and Rene Brace, Paul Chace, Dorothy DeGennaro, Scott Findlay, Megan Galway, Joe Hodulik, Hank and Karen Koerper, and Sandy Kennedy** set up and transformed the Duck Club with holiday decorations. Thanks to everyone who made clean up fast and efficient!



DIG THIS...



Lectures

Edward Sheriff Curtis - The Shadow Catcher, by Dr. William B. "Peter" Lee, will present an illustrated discussion on preserving culture through photography and ethnography. A lecture of the Coachella Valley Archaeological Society, Cathedral City Community Center, 37-171 West Buddy Rogers, January 4, 6:30 pm. Free. Information: www.cvarch.org.

Technology in Ancient Egypt: Short Papers Presented by Dr. Willeke Wendrich and UCLA Egyptology Students, by Dr. Otto Schaden, an ARCE lecture. Bowers Museum, January 11, 11 am. Free. Information: www.bowers.org or 714-567-3677.

The Mikes of Twenty-Nine Palms, by Dr. Cliff Trafzer (Professor of Indian Affairs, UCR). An Old School House Lecture, 6760 National Park Dr., Twentynine Palms, January 14, 7 pm. Fee: \$5. Information: desertinstitute.homestead.com

American Indian Technology, by Paul Apodaca, The Autry in Griffith Park, January 15, 1-2:30 pm. Free with museum admission. Information: 323-667-2000 or <http://theautry.org/>.

The Classic Maya Collapse: Drought, Kings, and Rituals, by Lisa J. Lucero (University of Illinois at Urbana-Champaign), a Cotsen Institute lecture, Lenart Auditorium, Fowler Building, UCLA, January 18, 7:30-9 pm. Free; parking \$10 (Lot 4). Information: www.ioa.ucla.edu or 310-206-8934.

The Powers of Rain and Maize: Agricultural Symbolism and Ritual in Mesoamerica and the American Southwest, by Karl Taube (UC Riverside), a lecture of the AIA, Orange County Society. DeNault Auditorium, Grimm Hall, Concordia University, Irvine. January 23, 2-4 pm. Fee: \$5; students and members free. Information: www.aia-oc.org.

Recent Field and Research Investigations along the Southern Overland Trail in Preparation for Designation as a CA State Parks Cultural Preserve, by Chris Wade (Historian) and Sue Wade (CA State Parks Archaeologist). A lecture of the San Diego County Archaeological Society, Los Peñasquitos Ranch Adobe, January 25, 7:30 pm. Free. Information: www.sandiegoarchaeologicalsociety.com.

Classes, Meetings, and Events

Fall and Winter Foods, Materials, and Native Medicines, San Diego Archaeological Center, January 8, 10 am-2 pm and **Spring and Summer foods, Materials, and Continued Discussion on Native Medicines**, Kumeyaay Ipai Interpretive Center, Poway, March 12 8:30 am -12:30 pm. Both classes by Kristie Orosco. Fee: both classes, \$75; one class, \$40 (members of SDAC or KIIC \$40 and \$25). Information: www.sandiegoarchaeology.org. Classes are limited; registration required. Contact: Annemarie Cox, 760-291-0370 or acox@sandiegoarchaeology.org.

Singing the Birds (Wikitmallem Tahmuwhae): Bird Song and Dance Festival, sponsored by the Agua Caliente Cultural Museum. Palm Springs High School Gymnasium, 2401 East Baristo Road, Palm Springs, January 22, 11 am-8 pm. Free. Information: <http://www.accmuseum.org/Calendar?id=142>.

Archaeological Surveying and Site Recording, by Wanda Raschkow, February 26-27, fee \$60 (members \$50) and **Rock Art of Southern California**, by Daniel McCarthy (Tribal Relations Program Manager, San Bernardino National Forest), February 27, 8 am-6 pm, fee \$60 (members \$50). Classes of the Desert Institute at Joshua Tree National Park. Information and registration: desertinstitute.homestead.com or 760-367-5535.

Introduction to Flintknapping and Stone Tools (ANT 495), by Daniel J. Reeves, a two-day introduction to flintknapping, incorporating background lectures with hands-on activities. The course assumes no previous knowledge of stone tools and is designed for the beginning archaeologies and for avocationalists. Offered through Extended and International Education, CSU Dominguez Hills, April 23-24, 8 am-5pm. Fee: \$218. To enroll, call 310-243-3741. Contact: Jerry Moore, jmoore@csudh.edu. Information: www.csudh.edu/ee/flintknapping.html.

Websites

Visit 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.

SIGN UP FOR RALPHS' COMMUNITY CONTRIBUTION

Please make PCAS your choice for Ralphs' Community Contribution. 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.

Log on or create your Ralphs account at www.ralphs.com, select Community Contribution from Services (top menu), click enroll at bottom of page. PCAS's Organization No. is 90417. Ralphs will donate a minimum of 1 percent of your Ralph's purchases to PCAS.

PCAS thanks all members and friends who participate in this program!

Cooper Center Update *(continued from page 3)*

additional internship programs, volunteer opportunities, exhibitions, research assistance, and expanded curation services. In the next few months the Cooper Center hopes to establish a volunteer base to assist with the stewardship of the Orange County collections. If you are interested in helping to preserve these significant collections in perpetuity, please join The Cooper Center's email list to receive updates on volunteer opportunities. To join, please contact the Associate Curator of Archaeology, Elizabeth Sutton, at esutton@fullerton.edu. For any questions regarding The Cooper Center or the County's archaeological collections, please contact Edward J. Knell by email (eknell@fullerton.edu) or phone (657-278-5076), or Elizabeth Sutton via email or phone (657-278-4465).

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
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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

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)

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