



DECEMBER 2014

PCAS NEWSLETTER

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PACIFIC COAST ARCHAEOLOGICAL SOCIETY

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DECEMBER PCAS SPEAKER

Dr. Brian Fagan

*The Intimate Bond:
How Animals Changed History*

We've lived in close association with all kinds of animals since the Ice Age. But how have animals and our relationships with them changed history? Brian Fagan tells a little known story of respect and partnership, of love and cruelty, of ways in which the ever-changing relationship between animals and humans has defined and

(Continued on p. 3)



Dr. Brian Fagan.

PCAS MEETINGS CALENDAR

HOLIDAY GATHERING

December 11 - 6:30 pm

RSVP - see page 4

Lecture: 7:30 pm

(free and open to the public)

Speaker: Dr. Brian Fagan

Topic: *The Intimate Bond: How Animals Changed History*

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 Gathering replaces
Dinner with the Speaker this month.
See page 4 for information.**

**Renew your PCAS membership to
receive the *PCAS Quarterly* in early
January! See page 3.**

NOVEMBER SPEAKER NOTES

Peopling of the Americas: Current Perspectives

By Megan Galway

Dr. Moratto presented a historical overview of migration theories for the peopling of the Americas. He described the one theory that many of us accepted as fact not so long ago as the “Old Testament”: people crossed the Bering land bridge some 12,000 years ago, migrated through an ice-free corridor, and ultimately settled both North and South America. These people were credited with developing the fluted Clovis point. Clovis and Folsom points have been found in association with mammoth and bison kills. This was the view of the archaeological community in the 1960s and 1970s.

New research by Dr. Knut Fladmark suggested a period of marine migration. To those who say ocean travel was unlikely, Dr. Moratto points to the settlement of Australia more than 50,000 years ago by people who must have arrived by some kind of ocean-going craft. A number of sites in the Americas now indicate occupation much earlier than the Clovis period. Meadowcroft Rockshelter has been known as the oldest site in North America, and although there has been much debate, dating indicates it was occupied by at least 16,000 BP and possibly 10,000 years before that. Samples from deeper levels of Monte Verde I in Chile have returned possible dates of around 37,000 BP. Artifacts from Monte Verde II include mammoth bones and meat, mortars and pestles, and medicinal plants, indicating a multi-family habitation and negating the concept of small, transient, foraging groups. This level returned dates of 14,000 BP. The Manis Mastodon, excavated on the Olympia Peninsula in 1977, was found to have a bone projectile point embedded in a rib and dated to 13,800 BP. A number of other sites throughout North America have dated to periods from 26,000 to 14,000 BP during the last Glacial Maximum when there was no ice-free corridor. The much-debated Kennewick Man found in Kennewick, Washington, in 1996 has been dated to 9,000 years ago and seems to most closely resemble the Ainu—an ancestral Japanese maritime people.

Various sites now suggest that rather than the Americas being settled by an initial migration from the northwest through Alaska, people and technologies traveled from east to west and south to north. Western Stem points were found in older, deeper levels which had have been overlaid in the west by the



PCAS Program Co-Chair Brian Steffensen and November speaker, Dr. Michael Moratto.

Clovis cultural levels. This phenomenon is seen in sites at Mesa, Alaska, and Paisley Caves. The Radio Point site on Santa Rosa, one of the northern Channel Islands of California, has been dated to 12,200–11,200 BP and contained Great Basin style artifacts, again suggesting an east to west migration.

Recently we have been introduced to the Solutrean hypothesis. Dennis Stanford and Bruce Bradley have suggested that Clovis technology, which bears a strong resemblance to the Solutrean tool kit seen in Europe, was brought to eastern North America by a maritime migration. The oldest known use of the atlatl and dart was by the Solutrean culture around 17,500 BP. In 1970 the scallop boat *Cinbar* dredged up a bipoint and mastodon skull off the coast of Virginia from a depth of 75 m. The skull was dated to 23,000 BP. Early dates for mid-Atlantic sites with this technology range from 23,500 to 14,000 BP, and Clovis sites are more numerous in the eastern United States, supporting the idea of a westerly migration.

Various later migrations have been proposed, some with solid evidence. The Na-Dene people appear in the record at 8,000–7000 BP and have a strong DNA tie to the Siberian people of that time. Suggestions that Olmec statues in Mexico have an African influence are currently unsupported. Norse (Viking) villages have been found in northern Newfoundland, and the Norse explored throughout the Gulf of St. Lawrence and Maine. Sweet potatoes, which originated in South America, are found in Polynesia, indicating travel, if not migration, between these two points. The people of Easter Island obtained 8 percent of their DNA from Native Americans prior to European contact. All these facts point to a number of migrations by different people over a period of up to some 26,000 years.

December Speaker *(continued from p. 1)*

changed history. He starts in the world of humans as predators and explores the controversies over the domestication of dogs at least 15,000 years ago. We learn how a once cherished partnership became one of domination and exploitation with the coming of farming and animal husbandry some 10,000 years ago.

The later relationship between humans and animals is a complex historical tapestry. We explore the remarkable achievements of the donkey, the revolutionary impact of the horse, and discover how the saddle made the camel a useful beast of burden. We travel with Assyrian donkey caravans, accompany Mongol nomads, and go deep below ground in coal mines with Victorian pit ponies. The story ends with the story of our growing obsession with pets, which began with the Romans, flourished during King Charles II's time, and became a popular obsession in the nineteenth century. You'll never think of animals the same way again . . .

Dr. Brian Fagan was born in England and studied archaeology at Pembroke College, Cambridge. He was Keeper of Prehistory at the Livingstone Museum, Zambia, from 1959–1965. During six years in Zambia and one in East Africa, he was deeply involved in fieldwork on multidisciplinary African history and in monuments conservation. He came to the United States in 1966 and was Professor of Anthropology at the University of California, Santa Barbara, from 1967 to 2003, when he became Emeritus.

Since coming to Santa Barbara, Dr. Fagan has specialized in communicating archaeology and the past to general audiences through lecturing, writing, and other media. A former Guggenheim Fellow, he is regarded as one of the world's leading archaeological and historical writers and is a much-in-demand popular lecturer about the past all over the world. His many books include three volumes for the National Geographic Society, including the bestselling *Adventure of Archaeology*. Other works include *The Rape of the Nile*, a classic history of archaeologists and tourists along the Nile, and four books on ancient climate change and human societies, *Floods, Famines, and Emperors* (on El Niños), *The Little Ice Age*, and *The Long Summer*, an account of warming and humanity since the Great Ice Age. *The Great Warming: Climate Change and the Rise and Fall of Civilizations*, a New York Times bestseller, describes the Medieval Warm Period of 1,000 years ago. His *Before California* (AltaMira Press, 2004) is a widely read summary of what we

know about California before Europeans arrived. His other books include *Chaco Canyon: Archaeologists Explore the Lives of an Ancient Society*; *Fish on Friday: Feasting, Fasting, and the Discovery of the New World*; and *Cro-Magnon: How the Ice Age gave birth to the First Modern Humans*. *Elixir: A History of Water and Humankind* (2011) extends his climatic research to the most vital of all resources for humanity. *Beyond the Blue Horizon*, a book about ancient seafaring, was published in June 2012. *The Attacking Ocean: The Past, Present, and Future of Rising Sea Levels* appeared in June 2013. He is currently studying the human relationship with animals over the past 15,000 years.

Dr. Fagan has been sailing since he was eight years old and learned in the English Channel and North Sea. He has sailed thousands of miles in European waters, across the Atlantic, and in the Pacific. He is author of the *Cruising Guide to Central and Southern California*, which has been a widely used set of sailing directions since 1979. An ardent bicyclist, he lives in Santa Barbara with his wife, Lesley, and daughter, Ana.

2015 MEMBERSHIP AND SUBSCRIPTION RENEWALS

PCAS memberships and subscriptions expire at the end of the calendar year, and renewals for 2015 are due on January 1st.

Prompt renewal is particularly important this year. Due to outstanding efforts by our Publication Committee, the *PCAS Quarterly* will be current. In early January we expect to mail the final issues of Volume 50 (2014) and the first issue of Volume 51 (2015). To save on mailing costs, we plan to mail these together.

Only those members who have renewed for 2015 will be included in the first mailing. All others will receive their copies as they renew.

Because we now email the majority of newsletters, we are able to maintain our existing membership rates for 2015. Increases in postage and other costs have made it necessary to increase subscription-only rates. As recently noted in our newsletter, the *PCAS Quarterly* annual subscription is now \$40, and the newsletter is \$20. Renewal forms may be found in this newsletter or at www.pcas.org. We look forward to receiving your renewals for 2015.

CURATION WORKDAYS

January 10, 2015
No December workday



PCAS HOLIDAY GATHERING

Thursday, December 11, 2014

6:30 PM

IRWD Duck Club

5th Annual Potluck

Dr. Brian Fagan will speak on

The Intimate Bond: How Animals Changed History

Lecture at 7:30 pm – free and open to the public

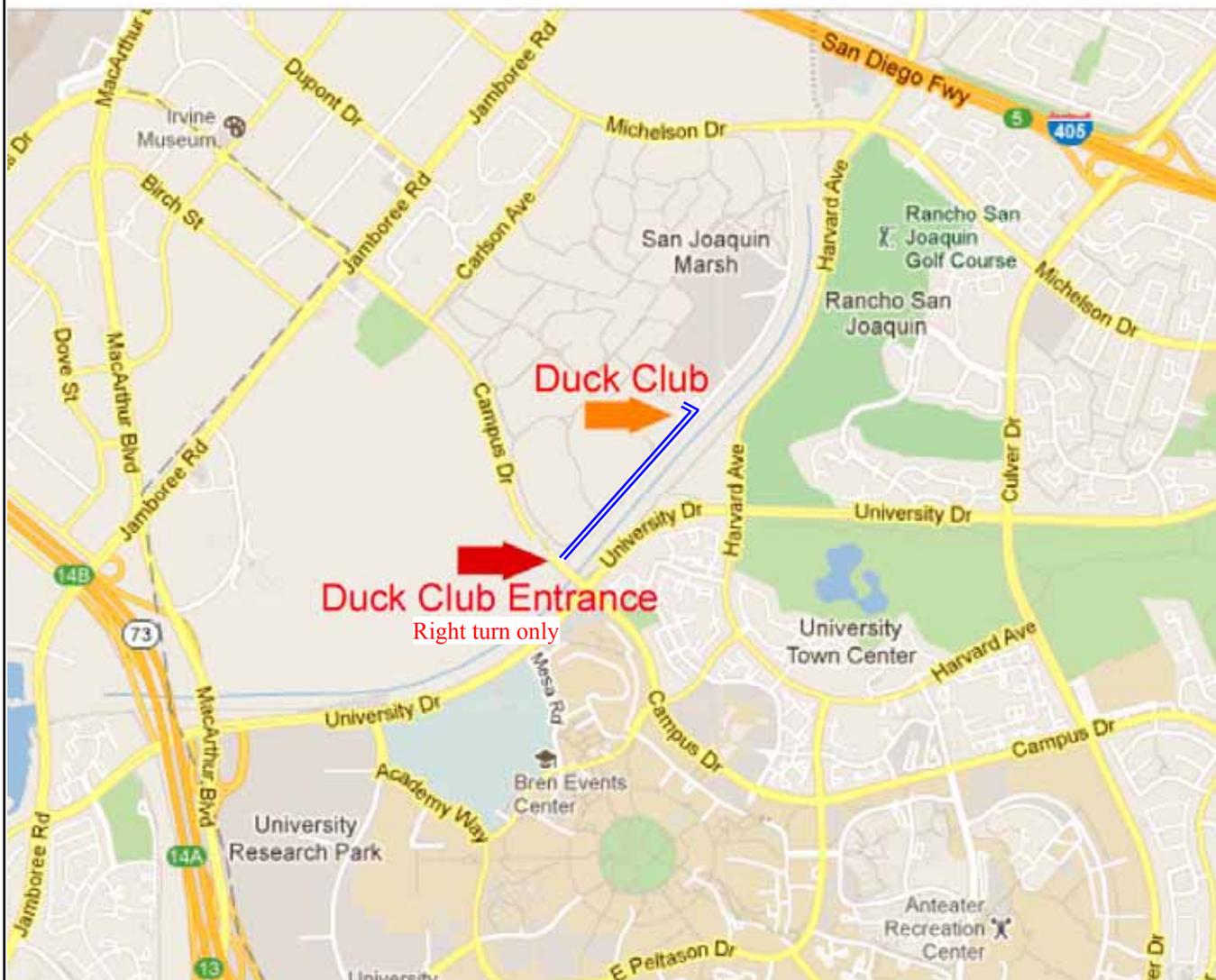
1. This year's celebration will be at the Duck Club in Irvine.
2. Bring finger food (appetizer or dessert) to serve 6 people.
3. Bring food that doesn't require heating.
4. No alcoholic beverages are allowed.



**Sign up by contacting Megan Galway,
President@PCAS.org or 714-539-6354, and let
us know what you are bringing.**

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.

DIRECTIONS TO THE DUCK CLUB



Note: The entrance from Campus Drive is right turn only.

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. Stay in the right lane and immediately turn right onto Riparian View which is marked by a dark green sign identifying it as the entrance to the San Joaquin Wildlife Sanctuary.
5. Proceed to Duck Club entrance on left. Signs will direct you.

If lost, call 714-290-1845.

DIG THIS...



Lectures

Gwions, Wanjinias, and Crocodiles, by Jeff LaFave. A San Diego Rock Art Association lecture. Kumeyaay-Ipai Interpretive Center, Poway, December 7. Potluck 4 pm; presentations 5 pm. Fee: Donation \$5; members free. Information: www.sandiegorockart.org.

The Registrars at the Egyptian Museum, Cairo: Past, Present, and Future, Dr. Janice Kamrin (Metropolitan Museum of Art), an ARCE lecture. Bowers Museum, December 13, 1:30 pm. Free. Information: www.bowers.org or 714-567-3677.

Archaeology, History, and the Lone Woman of San Nicolas Island, by Dr. René Vellanoweth (CSULA), presented by the Cooper Center. Fullerton Arboretum, 1900 Associated Road, Fullerton, December 10, 7 pm. Free. Information: www.jdcoopercenter.org/lecture.

The Stories of Willie Boy, by Ruth Nolan. A Coachella Valley Archaeological Society lecture, Portola Community Center, 45-480 Portola Ave., Palm Desert, December 18, 6:30 pm. Free. Information: www.cvarch.org

Classes, Meetings, and Events

The Art & Science of Flintknapping, by Jeanne Binning. Desert Studies Center, Zzyzx, February 20-22, 2015. Fee. Information: 951-827-4105 or nsm.fullerton.edu/dsc/desert-studies-center-additional-information.

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.

NOVEMBER BOARD MEETING SUMMARY

Submitted by Brian Steffensen

President **Megan Galway** called the meeting to order at 7 pm at the Old Courthouse in Santa Ana. PCAS Board Members present: **Rene Brace, Gail Cochlin, Scott Findlay, Sherri Gust, Steve O'Neil,** and **Brian Steffensen**. Members present: **Bob Brace** and **Hank Koerper**.

The September and October minutes were approved with corrections. The treasurer's report was approved with all expenditures.

Old Business

The Election Committee reported that **Stephen Dwyer, Hank Koerper,** and **Kathleen Shada** had been unanimously elected by voice vote at the November meeting. Outgoing Board members, **Linda Christison, Gail Cochlin,** and **Sherri Gust** were thanked for their service. The *PCAS Quarterly* sales and information table at the San Diego Rock Art Symposium received new memberships and sold *Quarterly* issues.

The Board discussed preparations for the December Holiday Dinner meeting at the Duck Club. There will be a small auction or donation-award activity to raise scholarship funds. Some of Dr. Fagan's signed books will be used for fundraising. **Joe Hodulik** and **Sherri Gust** will be donating platters of catered sandwiches.

New Business

Scott Findlay will purchase a new bookcase for the library. A new outside door to the PCAS library has been installed. The previous door had been damaged in an attempted break-in.

Joe Hodulik's Donation-Award table earned \$164 at the November meeting for the PCAS Scholarship fund! Brian Steffensen reported that speakers have been scheduled through September 2015. A new life membership has been received. **Scott Findlay** reported that there are no field trips planned over the holidays. There will be no curation workday in December. **Hank Koerper** reported that the Publications Committee is continuing work on issues in memory of Jay von Werlhof.

The meeting was adjourned at 8:00 pm.

PCAS CODE OF ETHICS

The Pacific Coast Archaeological Society (PCAS) is a nonprofit 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.

Rock Art 2014



The 39th Annual San Diego Rock Art Symposium was held at the Mingei International Museum, Balboa Park, November 1. PCAS thanks the San Diego Rock Art Association, the new symposium sponsor, for allowing us to have a *Quarterly* sales and information table. The symposium was a great success, and we look forward to Rock Art 2015.

PCAS SPEAKER CALENDAR

January 8, 2015

Dr. Nancy Anastasia Wiley, Destiny Colocho, and Andrew Garrison
Artifact Replication

February 12, 2015

Dr. James Kennett
Evidence for the Younger Dryas Boundary (YDB) Cosmic Impact 12,800 BP and Its Environmental, Biotic, and Human Consequences

March 12, 2015

Steve Freers

2014 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
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*Secretary	Brian Steffensen	secretary@pcas.org	714-348-9179
*Treasurer	Rene Brace	treasurer@pcas.org	714-544-6282
*Historian/Librarian/Archivist	Jane Gothold	librarian-archivist@pcas.org	562-947-6506
*Native American Liaison	Steve O'Neil	nativeamericanliaison@pcas.org	949-677-2391
*Newsletter Editor	Sherri Gust	newsletter@pcas.org	714-245-0264
*Refreshments	Gail Cochlin	refreshments@pcas.org	714-745-0815
*Voting member	Linda Christison	lindachristison@pcas.org	209-777-2613
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
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

*PCAS Board Member

PACIFIC COAST ARCHAEOLOGICAL SOCIETY

2015 Calendar Year Membership and Subscription Form

Name(s): _____

Address: _____

City: _____ State: _____ Zip Code _____

Phone: _____ Email: _____

Newsletters will be sent by email unless a mailed copy is requested.

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* - \$40
- Newsletter* - \$20
- 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