



Sacramento Archeological Society, Inc. Newsletter

www.sacarcheology.org

July/August - 2016

UPCOMING EVENTS

September 27- October 8, 2016 – Utah Rock Art Tour

October 15, 2016 – “Paleo Indian Culture in California” by Greg White, Gerrit Fenenga and Rick Fitzgerald, at Maidu Museum and Historical Site

December 3, 2016 – Scholar Presentations at Annual Meeting at Carolyn and Gordon McGregor’s

SCHOLARSHIP AWARDS

2016 Scholars

Sacramento Archeological Society, Inc. is pleased to announce our 2016 scholarship recipients. The candidates were exceptional. Thanks to the SAS members who contributed funds we were able to financially support nine scholars. Presentations by the scholars will be scheduled at the December 3, 2016 Annual Meeting and in early 2017 at the Scholar Symposium. A brief synopsis of the recipient’s archaeological projects follows:

Roshanne Shirley Bakhtiary

Roshanne is currently a graduate student at the University of California, Davis. She is majoring in Evolutionary Anthropology. This summer she plans to direct a field school where they will be excavating an inland midden deposit in Santa Clara County (CA-SCL-330). She will be using this award to conduct stable oxygen isotopic analyses of ancient shellfish collected from the site. This method will be utilized to estimate the season of death and thus the season of harvest from this Bay Area resource. We look forward to her report at the 2017 Scholar Symposium.

Amanda Dobrov

Amanda is currently a junior at the University of California, Berkeley. She is majoring in Anthropology and Classical Civilizations. This summer she plans to be part of a team at the American Academy in Rome in connection with the Palatine East Pottery Project, (PEPP). She will be measuring, weighting, and counting the diagnostic sherds. By analyzing the collection of African Amphora she plans to begin her research project for her senior honors thesis. Ultimately, she is hoping this work will help her answer a research question about trade between Rome and its colonies in North Africa during the Late Roman Empire. We look forward to hearing about this research at the 2017 Scholar Symposium.

Samantha Dunham

Samantha is currently a senior at the University of California, Berkeley. She is majoring in Evolutionary Anthropology and English. This summer she was selected by her professor to participate in a program studying Neandertals in Belgium at the site of Trou Al'Wesse with Dr. Rebecca Miller. This project will investigate the climatic and environmental context and chronology of human occupation across the Middle to Upper Paleolithic transition. The goal of the project is to understand the factors that affected Neandertals extinction and the arrival of modern humans in northwest Europe. Trou Al'Wesse is a rare site with intact stratigraphy and has never been excavated before. They expect to uncover Mousterian layers and other evidence for Neandertal occupation. This should be a great experience for Samantha. We look forward to hearing about the Neandertal discoveries at our December 3, 2016 Annual Meeting.

Sarah A. Hall

Sarah is currently a graduate student at the California State University, Chico. She is majoring in Anthropology and holds a 4.0 GPA. This summer she plans to study adult skeletons from the SCCVMC collection, housed at California State University, Chico. The anatomical method and FORDIS regression formulae for stature estimation will be compared. The anatomical method is considered more accurate, but regression formulae are frequently employed because they are acceptably accurate, expedient and user-friendly. However, pathological remains may affect height in ways unaccounted for in regression formulae. We look forward to hearing the results of the analysis in a report at the 2017 Scholar Symposium.

Anna Khrustaleva

Anna is currently a senior at the University of California Santa Barbara. She is majoring in Anthropology. This summer she plans to be the only undergraduate to attend a six week excavation project under the direction of Dr. Grey Wilson, UCSB on Audrey-North Site, a lower Illinois Mississippian River Valley occupation site. This field school will help Anna direct her area of focus in graduate school as well as develop her archaeological skills. We look forward to a full report at our Scholar Symposium in 2017.

Susan E. Lagle

Susan is currently a graduate student at the University of California, Davis. She is majoring in Paleoanthropology. This summer she plans to continue her research of archaeological assemblages in France. The primary goal of her study is to test the hypothesis that the Quina Mousterian, a distinct variant of Middle Paleolithic stone artifact assemblages reflects Neandertal mobility within a greater cold-climate subsistence and settlement strategy. She will address this through a comparative zooarchaeological study of three Quina Mousterian faunal assemblages from southwest France, centering on mobility-related questions such as occupation length, task specialization, and seasonality. We look forward to a research report at our 2016 annual meeting.

Mallory Melton

Mallory is currently a graduate student at the University of California, Santa Barbara. She is majoring in Anthropology and holds a 4.0 GPA. This summer she plans to attend the Boston University's Wood Identification Workshop, where she will receive training in taxonomic identification of carbonized wood remains. Afterwards, she will analyze the La Blanca wood assemblage at UCSB. La Blanca, settlement on the Pacific coast of Guatemala emerged as a site of region-wide population aggregation

during the Middle Formative period (900-600 BCE.) She hopes to conduct the first analysis of Middle Formative period wood use in the Soconusco region. We look forward to a report at our 2016 annual meeting.

Jason Miszaniec

Jason is currently a graduate student at the University of California, Davis. He is majoring in Evolutionary Anthropology. This summer during a two week field season he plans to collect more organic samples for radiocarbon dating from the Difchahak (NOB-005) site at Shaktoolik, Norton Sound, Alaska. The funds that he received from Sacramento Archeological Society, Inc. will be applied to the cost of radiocarbon dating of samples. The radiocarbon samples will be crucial in the understanding of the site's occupational history and will aid Jason place the site in a wider cultural chronology of the region. We will be interested in his presentation at the Scholar Symposium in 2017.

Jewell Cora Soriano

Jewell is a senior at the University of California Berkeley double majoring in Anthropology and Rhetoric. This summer she plans to work on an archaeological project in Bolivia. The Taraco Archaeological Project has been excavating the area since 1992 and this summer the Taraco Peninsula will be the target of a mapping project. Since Jewell is very interested in mapping technology, she was asked to be one of two undergraduates participating in the project. She will be analyzing how spatial distribution and architecture of the Taraco Peninsula and Tiwanaku offers a way to investigate private and public worship's implications for rapid social change. We are very interested to hear the results of this project at our Scholar Symposium in 2017.

UPCOMING TOUR

Utah Rock Art Tour

The Sacramento Archeological Society, Inc. is sponsoring a fall 2016 trip to Utah to explore rock art and native American pueblo culture. We will visit several of the spectacular rock art sites in **eastern Utah** that illustrate Archaic (Barrier Canyon Style) chronologically followed by Anasazi, Fremont, Formative and Ute. Rock art will be the focus of the tour but we also plan to visit cultural and historic sites, museums, a dinosaur quarry, and enjoy the natural beauty of the area. In Colorado we will be introduced to pueblo culture.

The tour is scheduled during the two weeks in late September and early October (i.e. **Tuesday, September 27, 2016 through Saturday, October 8, 2016**). You will need to add your travel time to and from Utah. You might also consider visiting other sites in the areas that would not be part of the organized tour for which extra time would be needed. The Tour is organized into geographic "clusters" identified by a significant town in the area where we will find lodging. **If you have time constraints, you may pick only the clusters that fit your schedule.**

Tour Reservations: If you are interested in going on all or part of the tour, send **Roger and Lydia Peake** an email at rapeake@att.net that you are interested in the tour. The tour is fully booked at this time but you may be put on a waiting list.

The tour is for members in good standing with membership dues current for 2016 only.
Reservation fee is \$25/person.

SAS Utah Rock Art Tour Schedule 2016

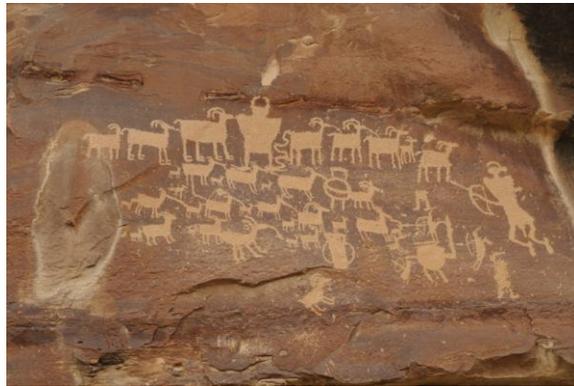
Day	Activity	Lodging
Cluster 1 – Vernal and Price, Utah		
Day 1 - 9/27/16, T	Meet in Vernal and check into lodging – 5:00-6:00 pm Preview Cluster 1	Days Inn, Vernal, UT 84078 (435) 789-0666 1092 West Highway 40
Day 2 - 9/28/16, W	- Utah Field Museum of Natural History 9:00 Guided Tour 498 E, Main, Vernal - McConkie Ranch Rock Art - McKee Rock Art option	Days Inn, Vernal, UT
Day 3 - 9/29/16, Th	- Dinosaur National Monument, Vernal 9:00 Guided Tour - Rock Art @ Dinosaur option - Drive to Price 113 mi. - Utah State University Eastern Prehistoric Museum 155 East Main Street, Price	Legacy Inn, Price, UT 84501 (435) 637-2424 145 N. Carbonville Rd
Day 4 - 9/30/16, F	Nine Mile Canyon Rock Art & Historical Preview Cluster 2	Legacy Inn, Price, UT
Cluster 2 – Green River		
Day 5 - 10/1/16, Sat	- Wedge overlook - Dinosaur foot print - Buckhorn Draw Rock Art - San Rafael River and geology view point beyond swinging bridge - Cleveland Dinosaur Quarry - Cedar Mountain Rock Art option	Legacy Inn, Price, UT
Day 6 - 10/2/16, Sun	- Rochester Rock Art - Moore Cutoff Road Rock Art - San Rafael Reef Viewpoint - Temple Mountain Rock Art & uranium history - Goblin Valley State Park option	Super 8, Green River, UT 84525 (435) 564-8888 1248 E Main St
Day 7 - 10/3/16, M	- Black Dragon Rock Art - Tusher Canyon Rock Art - Thompson Wash Rock Art - Sego Canyon option - John Wesely Powell Museum 1765 East Main St, Green River, UT Preview Cluster 3	Super 8, Green River, UT
Cluster 3 – Moab		
Day 8 - 10/4/16, T	- Drive to Moab 52 mi. - Dead Horse Point - 279/Potash Road Rock Art	Riverside Inn, Moab, UT 84532 435-259-8848 988 N. Main St.
Day 9 - 10/5/16, W	- Moab Golf Course Rock Art - Kane Creek Rock Art - Arches Rock Art	Riverside Inn, Moab, UT

	Free time PM - Courthouse Wash Rock Art option Preview Cluster 4	
Day 10 - 10/6/16, Th	- Newspaper Rock Art - Drive to Dolores, CO ~85 mi.	See Cluster 4
Cluster 4 - Cortez (Ancient Puebloan Culture)		
Day 10 – 10/6/16 Th Continued	- Anasazi Heritage Center and Escalante Pueblo, Dolores, CO 2:00 pm Guided Tour - Drive to Cortez, 11 mi. - Cortez Cultural Center option	Super 8, Cortez, CO 81321 (970) 565-8888 505 East Main St.
Day 11 - 10/7/16, F	- Mitchell Springs Pueblo Excavation Guided Tour by Dave Dove, Director - Crow Canyon Archaeological Center Guided Tour - Mesa Verde Visitor and Research Center option	Super 8, Cortez, CO
Day 12 - 10/8/16, Sat	- Mesa Verde option - Ute Mountain Tribal Park - rock art and pueblo option	Super 8, Cortez, CO
Day 13 –10/9/16, Sun	Depart to drive or fly home	

The following sample the sites to be visited.



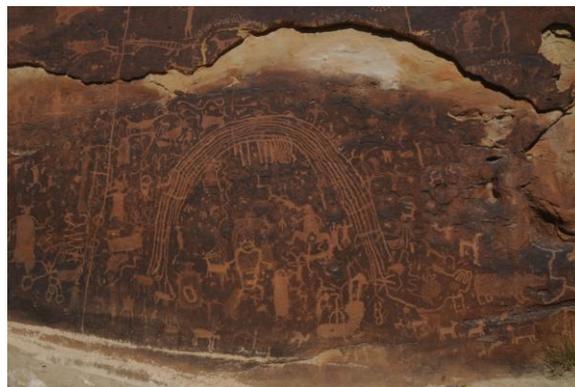
McConkie Ranch – Classic Vernal Style



9 mile Canyon – Fremont Style



Buckhorn Rock - Barrier Style



Rochester Rock Art Panel



Temple Mountain – Barrier Canyon Style



Thompson Wash – Barrier Canyon Style



Thompson Wash – Fremont Style



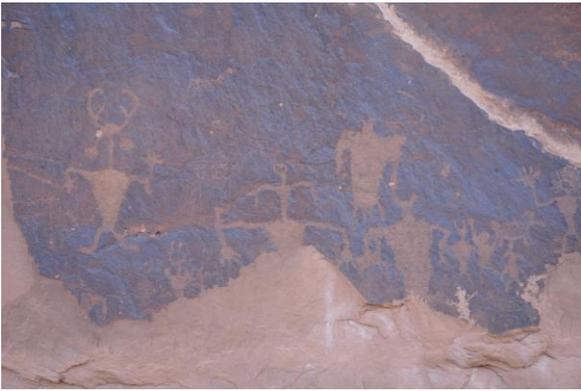
Thompson Wash – Ute Style



Black Dragon Canyon - Barrier Canyon Style



Moab – Potash Road - Fremont Style



Moab Golf Course – Fremont Style



Moab Kane Road – Fremont Style



Moab Court House – Barrier Canyon Style



Newspaper Rock



Mitchell Springs Excavation



Ute Pueblo

MEMBER'S CORNER

Membership

Please welcome Thomas Lutzenberger from Sacramento as a new student member. Also, please note the correction for Graham and Patricia Steele. They live in Otley, Yorkshire, England. This fall they will be joining the Utah Tour.

PAST ARCHEOLOGICAL ACTIVITIES

Clear Lake Tour

Sacramento Archeological Society was pleased to offer a “prehistory tour” of the Clear Lake area on May 4 through 6. Dan and John Foster organized the tour. We were honored to have Dino Beltran, Dr. John Parker, Deborah McLearn-Gary and Deanna Commons of the Archaeological Conservancy lead the tour. On the evening of day one presentations were given by the participants.

Welcome – Dan and John Foster

Overview of Lake County Archaeology – John Parker

Anderson Marsh – Dino Beltran

Borax Lake Site - Deanna Commons

On May 5th Deanna Commons led the group of over 30 to the Borax Lake Site. We walked through the old walnut orchard to the lake. Deanna showed the group the excavation site. Next John Parker showed the group two Borax lake Obsidian source sites. In the afternoon John Parker and Dino Beltran lead the group around Anderson Marsh State Park. We were shown the excavation site, rock art and occupation sites. That evening John Parker hosted the group at his beautiful home.

On Friday, May 6 our first stop was the Mount Konoki Obsidian site. Along the road we observed pieces of this obsidian. Dan Foster and Gerrit Fenenga presented the Fetzer Housepit Village Site to us. Finally as a highlight to the tour Dan took us to the Keystone Petroglyph Rock to observe its outstanding rock art. The tour was a fabulous glimpse into this area of ancient inhabitation. We thank the leaders and guides for such a fine tour.

Eclectic Archeological Exchange

On June 19 six SAS members who joined members of the Council for British Archaeology for an archaeological tour of the Scottish Orkney in August 2015 shared information on the archaeology of Orkney, Scotland and England. Jan Johansen presented the ancient history of Orkney (Mesolithic through Vikings) and talked about the sites visited including world famous Neolithic villages of Skara Brae and Ness of Brodgar, Maeshowe chambered tomb and amazing henge monuments of Brodgar and Stenness – all part of our World Heritage Site. After the Orkney tour the travelers continued to visit archeological sites in Scotland, England and Ireland. Through a lovely set of pictures Ruth McElhinney took us to Scottish sites. Paul K. Davis shared photos and commentary on sites visited in England.

We thank Carolyn McGregor for another delicious lunch and Carolyn and Gordon McGregor for hosting the event.

ARCHAEOLOGICAL REFERENCES

“Why male Neandertals have no male heirs”

“The DNA on the Y chromosome from a male who lived at El Sidrón, Spain, 49,000 years ago is unlike that of any Y in modern humans, despite interbreeding between Neandertal and modern humans in the past 1000,000 years as reported in *The American Journal of Human Genetics*.” The El Sidrón Neandertal had mutations in three immune genes, including one that produces antigens that can elicit

an immune response in pregnant women, causing them to reject and miscarry male fetuses.“ (*Science*, V. 352, 2016-4-15, p. 275)

“How Europe exported the Black Death”

DNA suggest that the Asia-born pathogen lingered in Europe, then spread eastward

“At the recent Society for American Archaeology meetings, researchers reported analyzing the remains of medieval victims in London; Barcelona, Spain; and Bolgar, a city along the Volga River in Russia. They determined that the victims all died of a highly similar strain of *Yersinia pestis*, the plague bacterium, which mutated in Europe and then traveled eastward in the decade following the Black Death. ... Johannes Krause at the Max Planck Institute for the Science of Human History in Jena, Germany... argues that a descendant of the 14th century plague bacterium was the source of most of the world’s major outbreaks, including those that raged across East Asia in the 19th and 20th centuries and one afflicting Madagascar today.” (*Science*, V. 352, 2016-4-29, pp. 501-502)

“Megaproject asks: What drove the Vikings”

Researchers suggest that the nature of pre-Viking society spurred a drive for slaves

“Armed with a \$6 million grant Neil Price of Sweden’s Uppsala University and his colleagues want to know the extent to which a need for captive labor and overseas wives helped drive Viking expansion, transforming the provincial Scandinavian sailors and fur traders of the earlier Vendel period from about 550 C.E. to 790 C.E. into international explorers and marauders. ... Price said the need for slaves may have begun when the fast-growing fleet of ships demanded an enormous number of massive woolen sails. This required transforming land into pasture for sheep, producing wool, and making sails—a labor-intensive craft. A single 90-square-meter sail might take a single person up to 5 years to produce. ... Each ship needed two sails, and there were hundreds of ships, raising the possibility that slave labor was needed to maintain the fleet. ... This is just the start of a decade of research.”
(Andrew Lawler, *Science*, V. 352, 2016-4-15, p. 280-1)

“‘Culinary frontier’ tracks Madagascar’s Asian settlers”

“The settlement of the Indian Ocean’s largest island is one of the great mysteries in humanity’s colonization of the globe. ... Now, new studies trace a wave of Austronesian colonization between 700C.E. and 1200 C.E. This telltale evidence is crops distinctive to Austronesia. ... The study by Boivin and her colleagues, published in *Proceedings of the National Academy of Sciences* found that these voyagers did not stop at Madagascar. Some also settled the Comoros Islands, scattered between Madagascar and the African coast. ... The Asian crops were common the Comoros and on Madagascar, but rare on the East African coast.” (Andrew Lawler, *Science*, V. 352, 2016-6-3, p. 1154-5)