

THE PETROGLYPH

Newsletter of the Arizona Archaeological Society

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January 2021

...HOPING FOR A HAPPY & HEALTHY NEW YEAR...

Well, at least we can hope that better days lie ahead, now that three Covid-19 vaccines are available. We may even be able to have a State Meeting in late October depending on the progress of vaccinations, and possibly even a Pecos Conference in August. In the meantime, I looked at as many sites as I could to find hikes and tours to places of archaeological interest (see pages 7 & 8) as well as online presentations and classes that are available around the state (pages 8 & 9). If you know of others, let me know and I will feature them in the upcoming months.

The Society for Cultural Astronomy in the American Southwest (SCAAS) just announced a new YouTube channel (SCAAS.Connects2U) which will feature videos from the 2019 Traditional Knowledge Conference/ SCAAS Conference that was held in Flagstaff (page 9). The Society for American Archaeology's 86th Annual Meeting will be held online April 15-17, 2021. Advance registration is now open and closes on March 10. The advance registration rate for a Professional, Retired, Joint, or Avocational/Associate Member is \$100 until March 10. The **American Rock Art Research Association (ARARA)** announced that their 2021 conference will be live-streamed in June.

While trying to find out how to order the latest publication in the Archaeology of the Pueblo Grande Platform Mound series (Volume 5: Special Studies), I discovered that the Pueblo Grande Museum has several types of virtual programs available (page 10). Although they are oriented toward elementary school children, they may also be of interest to newcomers to the Valley of the Sun as well as parents and grandparents who are struggling to keep their young students interested in learning.

As several chapters have noted, with Zoom it is possible to have speakers from other states (or other countries) that we could not have afforded before. Although Zoom has opened up a new realm of possibilities, some of our members may have qualms about using Zoom and/or internet connection problems; we need to find out who needs help and then figure out how to help them if possible.

And, last but not least, **Renew your AAS Membership** as soon as possible!

--Ellie Large, Chair

IN THIS ISSUE...

- 2: Chapter News
- 7: Hikes and Tours
- 8: Online Presentations
- 9: Virtual Events
- 10: Pueblo Grande Virtual Tour
- 11: Archaeology Café Schedule
- 11: Chapter Meeting Schedule

**Next deadline is 5 pm,
Wednesday, Jan. 23**

Chapter Treasurers Reminder

Chapter Treasurers: Please create and submit your chapter's IRS Form 990 no later than Jan. 15, 2021. These should be sent to AAS Treasurer Sam Baar at his address on the back of the Petroglyph. Thank you for addressing this in a timely manner. Contact Sam for more info.

Annual Chapter Reports Reminder

Chapter Secretaries: Please send your 2020 Annual Chapter Report to Ellen Martin, 2nd Vice Chair, at her address on the back of the Petroglyph, as early as possible in the New Year. If you need help, please feel free to contact either Ellen Martin or Ellie Large.

CHAPTER NEWS



Desert Foothills Chapter

December Zoom Meeting: Our last Zoom Meeting featured Kyle Woodson presenting *Documenting Ancient Hohokam Irrigation Systems along the Middle Gila River and the Social Organization of Irrigation*. This was a great topic for the chapter because we were most familiar with Jerry Howard's work farther to the north on the Salt River. Kyle did a great job and was excellent with explanations. He was also enthusiastic providing answers during Q&A.

January Zoom Meeting: Our next Zoom Meeting is Jan 13th at 7 pm with Gregory McNamee, who will present *The Gila: River of History*. Six hundred miles long from its source in the mountains of southwestern New Mexico to its confluence with the Colorado River above Yuma, the Gila has been an important avenue for the movement of birds, animals, plants, and peoples across the desert for millennia. Many cultures have sprung up on its banks, and millions of people depend on the river today - whether they know it or not. Gregory McNamee, author of the prizewinning book *Gila: The Life and Death of an American River*, presents a biography of this vital resource, drawing on Native American stories, pioneer memoirs, the writings of modern naturalists such as Aldo Leopold and Edward Abbey, and many other sources. Think of it as 70 million years of history packed into an entertaining, informative hour. Gregory is a writer, editor, photographer, and publisher. He is the author of 40 books and more than 6,000 articles and other publications. He is a contributing editor to the Encyclopædia Britannica, a research fellow at the Southwest Center of the University of Arizona, and a lecturer in the Eller School of Management at the University of Arizona.

Using Zoom: Our initial commitment was to use Zoom through February but that will probably extend through May when we break for the summer heat. With the probable distribution of Covid-19 vaccine occurring this spring, we may have in-person activities returning by the fall.

The DFC Board remains intact and is elected through 2021 to add as much stability as possible to the chapter in these challenging times. The establishment of chapter Zoom Meetings was a big step to providing value to our chapter members and we look forward to other possibilities as the new year continues with the pandemic cloud of doubt hanging over all of us.

We are in the process of trying to schedule "bonus" Zoom meetings (in addition to our normal chapter meeting days) in some months to offset the loss of other activities, in addition to continued evaluation for other ways to use Zoom. How to Zoom: the Zoom software website has tutorials for every aspect of their product. Do not get too carried away at first. Just get the basic free software download and install it. Once you get the link from Mary Kearney in her e-Blast each month, click on it at the appropriate time. Confirm you want to join the Zoom. When the Zoom system asks you to test your audio, say "yes" and adjust your computer's volume during the test for a comfortable level. You do not have to do anything else except sit back and enjoy. As you grow more ambitious with experience, you can send a text to ask questions using the "chat" button. If you are in a Zoom Webinar, you would use the Q&A button. In either case, the buttons are at the lower center of the screen if you move your cursor down to the bottom of the screen. In most seminar situations (such as our DFC presentations), your audio and video buttons at the lower left of your screen should remain "off" with a line through them. These buttons do not affect your ability to see or hear a seminar. You can also drag the presenters' picture out of the way.

A word on our Zoom Meeting schedule: our scheduling is shorter than previously because the conditions that dictates the meetings are uncertain. Our in-person meetings were normally planned six months to a year in advance which is no longer feasible. We have a quick reference chart on our website with our Zoom Meeting schedule; it is located right below our former speaker schedule. The days and start times may vary but we will try to hold to the same schedule as our former meetings as much as possible. Also, we may have more than one in any given month. Lastly, our Chapter President sends e-blasts on each pending Zoom presentation with the information required to participate; be on the lookout for this notification. Our Zoom subscription level allows for a fewer participants than our total chapter membership, so please don't wait to the last minute to attend. Note: At times we may use another entity's Zoom capabilities for a variety of reasons. The basics are the same.

Chapter Web News: The web address for the chapter website is the best place for evolving DFC Chapter news and updates, www.azarchsoc.wildapricot.org/desertfoothills. If you are on vacation or unable to attend meetings, this is an excellent information source. The chapter website slide-show files are back up and running.

(Continued on page 3)

....More CHAPTER NEWS....

PLEASE NOTE the addition of a Quick Reference Chart for upcoming chapter Zoom meetings. There are currently “no” in-person activities due to Covid-19 concerns.

Board Announcement: Covid-19 is still a significant problem and all in-person normal chapter activities are suspended until safety concerns for our members are realized in a positive and not speculative manner. We are trying to leverage Zoom as much as possible to ensure a benefit to membership. We are also considering other ways to use Zoom to create enhancements to membership. We hope for your understand regarding this unfortunate set of circumstances. Fingers crossed that the entire event passes soon for everyone, regardless of location around the world.

Reminder: Chapter membership renewals are due for 2021. Every membership dollar really counts and there are no monetary funds flowing into the chapter currently with no in-person activities, trips, or workshops. Please consider renewing your membership for 2021 as soon as possible.

--Roger Kearney



PHOENIX CHAPTER NEWS

December Meeting: The speaker for our first Zoom meeting on Dec. 8th was Patrick Lyons, Ph.D., Director, Arizona State Museum, who gave us an excellent presentation on the archaeology behind the book “*The Davis Ranch Site: A Kayenta Immigrant Enclave in Southeastern Arizona*” recently published by the Amerind Foundation. The book reports the results of Rex Gerald’s 1957 excavations for the Amerind Foundation at the Davis Ranch Site in southeastern Arizona’s San Pedro River Valley. Lyons summarized Gerald’s findings and placed his work in the context of what is now known regarding the late thirteenth-century Kayenta diaspora and also the relationship between Kayenta immigrants and the Salado phenomenon. Gerald and others identified the site as having been inhabited by people from the Kayenta area of north-eastern Arizona and southeastern Utah. The results of Gerald’s excavations, coupled with information from Archaeology Southwest’s San Pedro Preservation Project (1990-2001), indicate that the people of the Davis Ranch Site were part of a network of dispersed immigrant enclaves responsible for the origin and the spread of Roosevelt Red Ware pottery, also known as Salado Red Ware and Salado Polychrome. Evidence from the Davis Ranch Site also lends support to Patricia Crown’s Roosevelt Red Ware stylistic seriation and more recently proposed changes to Roosevelt Red Ware typology and chronology.

January Meeting: Our next Zoom meeting, on Tuesday, Jan. 12, at 7:30 pm*, will feature Pat Gilman, Ph. D., who will present *Ancient Macaws in Mimbres, Chaco and the Hohokam*. Scarlet macaws were the most spectacular item in the ancient southwestern United States obtained from farther south in Mexico. They were present and contemporary at Mimbres Classic and Chacoan sites from about A.D. 1000 to 1130. They were present even earlier in the Hohokam region. Does the presence of macaws in these three regions indicate a similar use and meaning? Does it suggest social relationships between people in the various regions? Dr. Gilman argues that people used macaws and parrots differently in the three regions. For example, about 30 scarlet macaws were concentrated at Pueblo Bonito, although one or two were present in each of three other Chaco Canyon sites. In contrast, perhaps as many as 15 scarlet macaws were spread among at least 8 Mimbres Classic sites, some of them within the Mimbres Valley core and some not. Mimbres macaws were buried with a person or buried by themselves beneath a room floor, in Great Kiva fill, or in a midden, while most of the Chaco macaws were on floors or in room fill. These differences support the idea that there was little commonality between Mimbres and Chaco in terms of how scarlet macaws were used and probably therefore their role within the social and religious systems. However, the Mimbres and Chaco macaws all belong to the same rare genetic group, suggesting they had the same breeding source. These patterns show the complexity of studying exotic items within their varying social contexts.

Pat received her Ph. D.in Anthropology from the University of New Mexico in 1983 and is now Professor Emerita from the Department of Anthropology at the University of Oklahoma. She has done archaeological fieldwork and research in the Mimbres region of southwestern New Mexico and southeastern Arizona for more than 40 years. Her initial interests were architecture and the transition that ancient people made from living in pit-houses to inhabiting pueblos. Recently Dr. Gilman and her colleagues have been investigating

....More CHAPTER NEWS....

the presence of scarlet macaws in Mimbres sites, their dates and DNA, and how they might have been brought to the southwestern United States from the tropical forest of southern Mexico.

*I will send out the Zoom meeting invitation to our chapter members several days before the meeting. (If others want to be attend the talk, please email me at elarge@cox.com.) The waiting room for the Zoom meeting will open at 7 pm for those who want to enter early and say hi to friends before the meeting starts. There will be time for Q&A after the talk.

Upcoming Meetings:

Feb. 9: Ron Parker, *Ancient Agaves of Arizona*

Mar 9: Todd Bostwick, *Megalithic Tombs and Temples of Ireland*

Apr 13: Don Liponi, *La Rumorosa: Rock Art Along the Border, Volume 2*

Hikes and Field Trips: Our coordinators are working on finding hikes and field trips that can be attended safely given Covid-19 safety protocols. Details will be forthcoming. If you have any suggestions, please contact Phyllis at 76desert@gmail.com or Eric at feldbrain@hotmail.com.

--Ellie Large



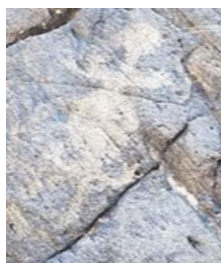
RIM COUNTRY CHAPTER & SAN TAN CHAPTERS

The Rim Country Chapter (RCC) and the San Tan Chapter (STC) have partnered to provide members with activities during this difficult time. The STC has specifically invited RCC Members to attend Zoom presentations with a variety of interesting and informative speakers. The RCC has been organizing day field trips specifically inviting the STC Members to participate. Due to conditions and host site requirements, the number of participants on field trips is limited and sometimes broken into two groups. Some field trips are being repeated due to interest. Announcements of field trip sign-ups and of Zoom meeting sign-ins are sent out by both chapter presidents to members.

Dec. 9th San Tan Chapter Zoom meeting: Dr. Barbara Stark, Professor Emerita ASU, presented *King Cotton: It's History in Ancient Mesoamerica*. Dr. Stark spoke about how the growth and processing of cotton interacted in the origins and development of complex societies in Mesoamerica. This included coastal adaptations, settlement patterns, tropical urbanism, ceramics, crafts and long-term economic and political change. She drew on the results of her field projects on the Pacific coastal plain of Guatemala and the Gulf lowlands of Mexico.

Dec. 14th Montezuma Castle National Monument Field Trip: This trip was cancelled by the National Parks Service due to the upsurge in Covid cases. It will be rescheduled. It was to be a reprise of the October Field Trip guided by NPS Archaeologist Matt Guebard to accommodate more participants. RCC and STC presidents will send out announcements when it is rescheduled, with previous sign-ups and wait-list having priority. Matt Guebard's presentation is based on a reevaluation of the Depression Era excavation records and includes a guided tour of the accessible parts of the Monument.

Dec. 19th Dixie Mine Hike: This 6-mile, 4-hour hike in the Maricopa County McDowell Mountain Regional Park near Fountain Hills was a loop that passed by both historic and prehistoric features. Hikers observed historic structures that were once part of local ranching and mining operations. Also, hikers got a close look at petroglyphs scattered individually, in small clusters, and on busy panels. A curious boulder has petroglyphs on one side and cupules on the other. The field trip was booked to its limit and the wait list justifies scheduling a reprise field trip, probably in January. RCC and STC presidents will send out announcements.



(Continued on page 5)

....More CHAPTER NEWS....



Upcoming January Events

Jan. 13: San Tan Chapter Zoom meeting: Dr. Annalisa Alvrus will present *Vampires, Witches, and Zombies, Oh My!* For generations untold, humans have utilized religion to help us fathom things that are beyond our immediate understanding, such as death and why we die. One of the goals of anthropology is to "make the strange familiar and the familiar strange" by exploring how people in other cultures (including other cultures across time) have understood and experienced similar human events. This talk will look at the human experience of death and the immediate period after death, to analyze how humans have used belief systems, including religion, to explain phenomena common to all of us.

Annalisa was born in Florida, another hot place. When she realized that she didn't know what she was most interested in studying she opted for Anthropology because of the breadth and depth of that field. She earned her bachelor's degree at the University of Tennessee, Knoxville, graduating summa cum laude. She moved to graduate study at Arizona State University, earning a Master's in Bioarchaeology, and in 2006, a Ph.D. in Physical Anthropology. She became full-time faculty in the Maricopa Community College District in 2005.

San Tan Chapter President Marie Britton will send out an email containing the link for the meeting and it will be forwarded to Rim Country Chapter Members.

Jan. 16th Hieroglyphic Canyon Hike: This hike is on a rocky trail, about 3 miles round trip, 650 feet elevation gain, to a petroglyph site near Apache Junction. Since this popular trail with hundreds of petroglyphs is heavily used, this will be an early morning sunrise event. RCC & STC presidents will send out announcements.

Jan. 23rd Tonto National Monument Field Trip: This field trip will include both Upper and Lower Ruins and will be divided into two groups based on group size limits and the difficulty of the trail to the Upper Cliff Dwelling. The Lower Cliff Dwelling is accessible on a paved trail about a mile round trip, with a 260-foot elevation gain (about 1.5 hours). The Upper Cliff Dwelling is accessible along a longer, somewhat rougher trail, with a 600-foot elevation gain (about 3-4 hours). An NPS representative will guide and describe the Upper Ruin hike for a limited size group. RCC and STC presidents will send out announcements for sign-ups.

TBD: Montezuma Castle National Monument: Yet to be rescheduled from Dec. 14th. RCC and STC presidents will send out announcements.

TBD: Dixie Mine: This 6-mile, 4-hour hike in the Maricopa County McDowell Mountain Regional Park near Fountain Hills will be a reprise of the Dec. 19th Field Trip to help meet overflow demand.

Membership Reminder: Please renew your membership for 2021. An active AAS membership is not required to attend meetings, but it is for all field trips. Chapter membership ensures that you will receive emails alerting you to meetings, field trips, and other events. Contact Rim Country Chapter (Payson) treasurer Dennis DuBose via email at dadubose@gmail.com, or San Tan Chapter (Queen Creek) treasurer Jim Britton, via email at jabritton@cox.net (or call 480-390-6038) for membership information.

--- Dennis DuBose

(Continued on page 6)



Verde Valley Chapter

The Sedona Public Library (SPL) holds their 'giving month' in December and this year they have an anonymous donor that would match any donation up to \$15,000. The board decided to make a donation of \$250 which was matched to equal \$500. The SPL has been extremely generous in their support of our Chapter. For many many years, we have held our Chapter meetings at no cost to us, and have continued to do so throughout this year. That also includes the weekly 'Advanced Prehistory Course-Hohokam' that will continue until Jan. 12th. It believe that starting in January our Chapter meetings will be charged the non-profit rate of \$50 each.

As many of you know, the Director of the Sedona Public Library, Virginia Volkman, will be retiring at the end of this year. She has been holding the Library together for quite a few years and has decided to move on to other interests in her life. As the Verde Valley Chapter has been holding their meeting at the SPL for many years, we (the board), felt it a thoughtful gesture to present her with a nice arrangement of flowers ahead of her departure. This was done on Tuesday, Dec.22nd. She was very surprised and quite pleased. We all wish her luck!

Next Chapter Meeting: If there are enough people interested, we will hold an in-person meeting on Thursday, Jan. 28th, at 3:30 pm, at the Sedona Public Library. We will have a very interesting video to share with you by Todd Bostwick on the *Cliff Dwellers of the Verde Valley*. There is a limit of 20 attendees. Please RSVP me if you would like to attend at aplaceinthesun@commspeed.net.

For the months of January and February, we will offer two Zoom presentations for our chapter members. To register for these Zoom presentations please contact Tom Cloonan at tcloonan@outlook.com, no later than 2 days prior to the date of each. After registering you will be given the link for viewing.

Jan. 18th 7-8:30 pm: We will join a Zoom meeting with the Arizona Archaeological & Historical Society presented by John D. Speth on *The Beginnings of Plains-Pueblo Interaction-The View from Southeastern New Mexico*. Dr. Speth is Professor Emeritus of Anthropology in the Dept. of Anthropology and Curator Emeritus of North American Archaeology in the Museum of Anthropological Archaeology. He completed his BA (1965) in Geology at the University of New Mexico, and his MA (1968) and Ph.D. (1971) in Anthropology at the University of Michigan. He studies hunter-gatherers, past and present, New World and Old World. He is interested in the evolution of foragers diet, subsistence strategies, and food processing technologies and specifically in the ways that hunter-gatherers (and small-scale farmers) cope with seasonal and inter-annual unpredictability in their resource base. "the people follow the cows, hunting them and tanning their skins to take to the settlements in the winter to sell, since they go there to pass the winter, each company going to those which are nearest, some to the settlements at Cicuye [Pecos], others toward Quivira, and others to the settlements which are situated in the direction of Florida. They travel like the Arabs, with their tents and troops of dogs loaded with poles and having Moorish pack-saddles with girths" (George Winship, *The Coronado Expedition, 1540-1542*, 1896, p. 527).

Plains-Pueblo interaction has fascinated anthropologists, archaeologists, and historians for well over a century. When did it start? Why did it occur? Who was involved? The conventional view is that close social and economic ties between sedentary Pueblo farmers and nomadic bison hunters first emerged during the Protohistoric period after about AD 1450, hand-in-hand with the expansion of Athabaskan-speaking peoples (ancestors of the Navajo and Apache) into the Southern Plains. Archaeological evidence from two 14th-century villages near Roswell in southeastern New Mexico offers rather different answers to some of these questions, and highlights the potential shortcomings of relying on the observations of early Spanish explorers to understand the roots of Plains-Pueblo interaction in the past.

Feb. 10th, 7 to 9 pm: Allen Dart from the Old Pueblo Archaeology Center will present *The Salado Phenomenon in the Southwest*. We will share this presentation with the Desert Foothills Chapter. In the early 20th century, archaeologists in the southwestern U.S. viewed a constellation of distinctive cultural traits - multicolored pottery, houses arranged in walled compounds, and monumental architecture - as evidence of a cultural group termed the "Salado." Subsequent discoveries make us question what these traits really represented. Allen will illustrate some of the Salado culture attributes, review theories about Salado origins, and discuss how Salado relates to the Ancestral Pueblo, Mogollon, Hohokam, and Casa Grandes cultures of the U.S. Southwest and Mexico's Northwest.

Archaeology Month: As most of you know, the month of March is Archaeology Month. On March 7th and 11th at 1 pm we will be hosting Larry Lindahl, photographer and author, at the Mary Fisher Theatre where he will be

(Continued from page 6)

....More CHAPTER NEWS....

presenting *Exploring the Ancient Southwest*. On March 21st and 25th at 1 pm we will host the documentary film *Blood Memory* at the Mary Fisher Theatre. Details for both will be in the February Chapter newsletter.

New Chapter Project: I am sure many of you are familiar and aware of the "Adopt-a-Highway" program that enlists individuals and businesses to commit to a particular one-mile segment of highway to do litter/trash clean up. We recently sent in an application to ADOT to do a segment of highway in Cottonwood and it has been accepted. All of the segments between Sedona & Cottonwood are taken, so the hunt was on for a different location. This opportunity would not only give our Chapter the visibility that we need, but also do a service for the community and the Verde Valley. The initial cleanup will have to be done in the next several weeks, but after that, just every 2-3 months. If anyone is interested in participating in this program, please contact me at aplaceinthesun@commspeed.net.

AAS Prehistory Course: A few people have shown an interest in taking the *Prehistory of the Southwest* course provided by the AAS Certification Dept. This course is a prerequisite for all other courses. If you are interested in taking this course, please contact me at aplaceinthesun@commspeed.net

Membership: The Chapter welcomes several new members for the year 2021: Dick Williams, Sandi Heysinger, Beverly Haas, Dennis Holt, Scott Newth, Mark Bales and Kerri Simonian. Thanks to all of you for joining the VVCAAS! I hope to see you all soon!

If you have not renewed your membership for 2021, please do so as soon as possible to avoid missing the Petroglyph newsletter as well as your Chapter Newsletter. Please send your check made out to VVCAAS to Linda Krumrie, P.O. Box 25, Sedona, AZ 86339. Please do not send your money via online banking services. For those who have renewed, thank you very much for your continuing support for your Chapter.

--Linda Krumrie

HIKES AND TOURS

Jan. 6, 10 am, Pinal County Historical Society (PCHS), Florence, Tour: *Historic Florence Walking Tour* with Chris Reid sponsored by the PCHS. Starts in front of the 1891 Pinal County Courthouse, 135 N. Pinal St., Florence. Take a walk back through time on this guided tour featuring some of the earliest still-preserved architecture in Arizona and stories about the people who lived and operated businesses in Florence. 10-person limit. \$20 (\$15 for PCHS members) payable in advance. Call 520-868-4382 for reservations. For more information visit www.pinalcountymuseum.org or email pchsmuseum@yahoo.com.

Jan. 9, 9-11 am, Spur Cross Ranch Conservation Area: *Rock Art of Spur Cross* (Pre-Registration Required). The petroglyphs found in Spur Cross were created hundreds of years ago by the Hohokam people. Come and walk in their footsteps as we visit a few sites in the conservation area during this two hour hike. Meet at the main trailhead area where restrooms and picnic tables are located. No dogs on this hike. ***Please call the Nature Center at 623-465-0434 to check on availability and register for this guided hike. Registration is required for this program. Attendance is limited to 10 people, no exceptions.*** Although this is an outdoor program, frequent stops may be made so the ranger can explain or highlight items along the trail. At these times when social distancing is not possible, masks that cover both the mouth and nose must be worn.

Jan. 16, 7:30 am-3 pm, Ironwood Forest National Monument (IFNM), Marana, Hike: *Silverbell Cemetery Hike* departs from Marana Regional Airport. Free. High-clearance vehicles recommended for driving on Silverbell Road within the Ironwood Forest National Monument. Join David Cleaver and members of the Silverbell Historical Society (SHS) as they relate the history of the mines and the towns that once thrived in this area of Arizona's Silver Bell Mountains. The towns are gone but David and the members of SHS actually lived in the town of Silverbell and can tell you what it was like to grow up there and live through those times. Up to a mile of walking. Wear sturdy shoes (hiking boots recommended); pack two quarts of water, snacks, lunch, sunscreen, hat, and your camera. No restrooms or other facilities available after leaving the Marana Airport. Spaces are limited. To register go to <https://ironwoodforest.org/coming-and-past-events>. For more information contact Jim Avramis at 520-314-1383 or jim@ironwoodforest.org.

...MORE HIKES AND TOURS....

Jan. 16, 8 am-1 pm, Spur Cross Ranch Conservation Area: **Elephant Mountain Fortress Hike** (Pre-Registration Required). A 7-mile, 5-hour roundtrip trek into the backcountry to one of the premier archaeological sites on the conservation area. Participants need to be in good condition and familiar with hiking on primitive trails for this distance entails. Bring at least 2 liters of water. It is recommended that you wear a hat and dress in layers. Meet at the main trailhead area where restrooms and picnic tables are located. No dogs on this hike. **Please call the Nature Center at 623-465-0434 to check on availability and register for this guided hike. Registration is required for this program. Attendance is limited to 10 people, no exceptions.** (Same restrictions as Jan. 9 above.)

Jan. 16, 9 am-1 pm, Tumacácori National Historical Park, Tumacácori, Tour: **Calabazas and Guevavi Missions Tour** starts at the park. \$15 per vehicle. Calabazas and Guevavi were some of the earliest Spanish colonial period missions established in southern Arizona. In this tour, visitors caravan in your own vehicle, beginning at the Park visitor center. Must have high clearance vehicles for rough, rocky terrain. Not wheelchair-accessible; small group size to allow for outdoor physical distancing. Reservations required. To register go to **www.recreation.gov**. For more information visit **nps.gov/tuma**, or call 520-377-5060.

Jan. 16, 10-11 am, Estrella Mountain Regional Park, Goodyear: **Gila Trailside Discovery Station: Ancient Cultures**. This program will give you an insight into the culture and diversity of the people who have called the Sonoran Desert home for thousands of years. A Park Ranger along the Gila trail will have information about the park and native artifacts. This is an open forum to ask about the ancient cultures that used to inhabit the area. 602-506-2930, ext. 6. (<https://www.maricopacountyparks.net/events/gila-trailside-discovery-station-ancient-cultures/1/16/21/>)

Jan. 16, IFNM, Marana, Hike: **Cocoraque Butte Archaeological District Hike** departs from Marana Regional Airport, Marana. 7:30-8 am sign-in; 8-8:30 am briefing; 8:30-9 am carpools form and depart; hikes should be completed no later than 2 pm for return to airport by 3 pm. Free. The Friends of Ironwood Forest (FIF), the Bureau of Land Management and Old Pueblo Archaeology Center invite you to come out and enjoy a hike with archaeologist Allen Dart to see some of the pre-Spanish petroglyphs within the Ironwood Forest National Monument's Cocoraque Butte Archaeological District. The Cocoraque Butte area offers abundant rock art and other archaeological features of scientific interest. Expect moderate rocky terrain and unusual petroglyphs on this hike; bring your camera and/or binoculars. Getting up to see the petroglyphs requires scrambling up and around boulders and bedrock on a 120-foot-high butte so you must be in good physical condition to participate. Wear sturdy shoes (hiking boots recommended) and pack 2 quarts of water, snacks, lunch, sunscreen, hat, and your camera. No restrooms or other facilities available after leaving the Marana Airport. Spaces are limited. To register or to join the FIF mailing list go to **www.ironwoodforest.org**.

ONLINE PRESENTATIONS

Jan.9, 11 am, Amerind Museum, Dragoon, Online. **The Navajo Nation and the COVID-19 Pandemic** with Jennifer Nez Denetdale, Ph.D. (Diné), Univ. of New Mexico Professor of American Studies, sponsored by the Amerind Museum, Dragoon. Free. To register visit **https://us02web.zoom.us/webinar/register/WN_lpY5FaD6T6aFZpni7mi7QQ**.

Jan. 11, 6:30 pm, AAHS, Tucson: **Virtual Research Slam and Winter Party**. This year's 6th Annual Research Slam and Winter Party. is shaping up to be a great event. To register follow this link bit.ly/ResSlam2020. Nine slammers from around the Southwest will be competing to raise money for the AAHS Research and Travel Grant program. Check out our silent auction at BiddingOwl.com/ArizonaArchaeological. Bidding is open now and in addition to items you can bid on expert led private tours to Tumamoc Hill and Cocoraque Butte. So grab a drink, sit back and join the fun. The formal part of the program will be followed by social "break out" rooms where you can meet colleagues and friends.

....MORE ONLINE PRESENTATIONS....

Jan. 18, 7-8:30 pm, AAHS, Zoom Presentation: The *Beginnings of Plains-Pueblo Interaction – The View from Southeastern New Mexico* by archaeologist John D. Speth. Free. Plains-Pueblo interaction has fascinated anthropologists, archaeologists, and historians for well over a century. When did it start? Why did it occur? Who was involved? Archaeological evidence from two 14th-century villages near Roswell in southeastern New Mexico offers rather different answers and highlights the potential shortcomings of relying on early Spanish explorers to understand the roots of Plains-Pueblo interaction in the past. No reservations needed. For details visit www.az-arch-and-hist.org or contact Erica LeClaire at eleclaire@email.arizona.edu.

Jan. 21, 7 - 8:30 pm, OPAC, Tucson, Zoom Presentation: *Droughts and Floods Structured Social Interaction in the Pre-Hispanic Southwest* by Dr. Nicolas E. Gauthier for OPAC's 3rd Thursday Food for Thought. Free. When droughts and floods struck ancient agricultural societies, complex networks of exchange and interaction channeled resources into affected settlements and migrants away from them. Did these networks evolve in part to connect populations living in differing climate regimes? Dr. Nicolas Gauthier examines this relationship with a long-term archaeological case study in the pre-Hispanic North American Southwest, analyzing 7.5 million artifacts from nearly 500 archaeological sites spanning 250 years. He uses these artifacts to estimate how the flow of social information changed over time and to measure how the intensity of social interaction among sites varied as a function of distance and several regional drought patterns. For more info contact Old Pueblo at info@oldpueblo.org or 520-798-1201. To register for the program go to https://zoom.us/webinar/register/WN__RbawYwLSWis2JSbF4IzAw

Jan. 25, 27, 29, Feb. 1, 3, 9:30-11 am. *Diseases in Human Evolution* taught by Dr. James T. Watson, sponsored by the Arizona State Museum, UA, Tucson. \$150 (\$100 for ASM members). This **Master Class** examines human biocultural adaptations to pathogens, including the origin, evolution, distribution, and diversity of diseases and the human groups they affect. Dr. James T. Watson, ASM's Associate Curator of Bioarchaeology and Associate Director, will examine a variety of topics including viral, bacterial, parasitic, and nutritional diseases, as well as maladaptive cultural practices. He will explore evidence for how diseases impacted human groups in the past and how they continue to evolve and impact humans today. For more information and to register go to <https://statemuseum.arizona.edu/events/program/asm-master-class-diseases>.

VIRTUAL EVENTS

The Society for Cultural Astronomy in the American Southwest (SCAAS)
Announces that the **SCAAS.Connects2U** YouTube Channel Is Live!

SCAAS.Connects2U is the Society's new YouTube Channel and will feature the videos from the 2019 Traditional Knowledge Conference and the 2019 SCAAS Conference as well as additional educational videos as they become available. Please use the links in this message to visit our YouTube Channel and Subscribe to receive immediate notification when new videos are posted. Tell all your friends and family so they too can subscribe to our new channel and learn more about the traditional knowledge of our Native American and Indigenous scholars as well as additional conference speakers.

ARARA 2021 CONFERENCE

The 2021 ARARA Conference will be June 12-13, 2021. It will be professionally live-streamed, but the program will look familiar to participants. The program will consist of 15-minute PowerPoint papers and 5-minute "virtual" field trips (using video format). Publication of papers will be done in the standard way, with a volume of American Indian Rock Art being distributed to members this spring and another planned for spring of 2021. We are fortunate to have found a qualified hosting company that has agreed to volunteer much of their time while still providing a fully professional production. Nominal fees for conference registration will offset these expenses, and ARARA 2021 will be less expensive to attend than a typical ARARA conference, since participants will not have travel, lodging, or meal costs.

PUEBLO GRANDE VIRTUAL MUSEUM TOUR

Pueblo Grande Museum has designed its virtual programs to meet the Arizona State Education standards for 2nd through 4th grade skill levels in Social Studies, Visual Arts, and Science. We encourage teachers to adapt the information provided to meet the unique needs of their students.

Types of Virtual Programs:

Overview (Free): A 10-minute overview of the ancestral Sonoran Desert people (Hohokam) and introduction to the site of Pueblo Grande. This recorded video showcases the masterful achievements of the ancestral Sonoran Desert people including the intricate irrigation system and impressive earthen architecture.

Museum Gallery Videos (Free): Each of these videos is presented in English and then Spanish.

Dig It! - This short 4-minute video discusses the science of archaeology. It also presents the concept of stratigraphy used by archaeologists to examine the order, position, and vertical relationship of the layers of soil, artifacts, and materials at a location.

Canals - This 5-minute video provides a general discussion of the ancestral Sonoran Desert people's irrigation system, how it was constructed, and how it worked.

Extended Virtual Programs (Cost: \$25/ program):

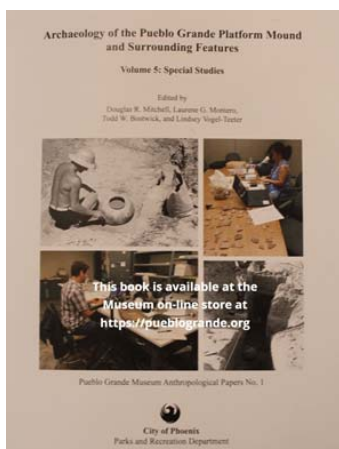
These 15-20 minute recorded programs highlight aspects of the site and the ingenuity of the ancestral Sonoran Desert people to adapt to their environment. Each extended virtual program is available for a fee of \$25 / theme; the program link remains active for 2 months from the date it is shared with the teacher. Sign up for an extended program online through ActiveNet or by calling 602-495-0901, Monday – Friday, 9 am to 4 pm.

A Place to Call Home: This program highlights the daily life of the ancestral Sonoran Desert people (the Hohokam). Learn what type of homes they lived in and how they were constructed. Discover how they made use of the courtyards and nearby ramadas for daily chores and skills, such as pottery construction.

Designs on Rocks: Learn how to tell the difference between a petroglyph and a pictograph. Find out how the images and symbols are made and learn how we can protect them for future generations. Discover how the design are connected to the ancestral Sonoran Desert people (the Hohokam).

Virtual Programming video worksheets available in Resources

Hands-on Craft Kits (Cost: \$2 per student /craft): Each craft kit includes the materials for the craft (based on the number of students provided at the time of the order) and a copy of an instructional PowerPoint. Each PowerPoint includes contextual content relating the craft to the ancestral Sonoran Desert people and step-by-step instructions for the craft. Order your craft kits online through **ActiveNet** or by calling 602-495-0901, Monday – Friday, 9 am to 4 pm.



Archaeology of the Pueblo Grande Platform Mound, Vol 5 - \$30

Platform Mound and Surrounding Features, Volume 5: Special Studies, edited by Douglas R Mitchell, Laurene G Montero, Todd W Bostwick, and Lindsey Vogel-Teeter is now available from the Pueblo Grande Museum Online Shop. Published by City of Phoenix, Parks and Recreation Dept., Pueblo Grande Museum 2020. Go to <https://pueblo-grande-museum-store.square.site/> to order a copy. Shipping is available.

Archaeology Southwest's Archaeology Cafes are Online

Preregistration is required before each event, but is free. The presentations begin at 6:00 pm MST via **Zoom Webinar**. (To learn how to install Zoom go to <https://support.zoom.us/hc/en-us/categories/200101697>.) Presenters will speak for 30 minutes, and then turn to questions for another 30 minutes. During the presentation, you can use the question-and-answer tool within Zoom Webinar to ask questions as they come to mind. They will be monitoring the question-and-answer feed during the program, and will tag questions for the presenter to address in the Q & A portion.

Upcoming Archaeology Cafés:

- Feb. 2, 2021: Preservation Archaeology's Role in Responding to Archaeological Resource Crimes with *Stacy Ryan and D.J. "Dusty" Whiting*
- Mar. 2, 2021: Should We Stay or Should We Go? Farming and Climate Change, 1000–1450 CE with *Karen Schollmeyer and Scott Ingram*
- Apr. 6, 2021: Just What is cyberSW? The Potential of Massive Databases for Future Preservation Archaeology Research with *Joshua Watts*
- May 4, 2021: Was Sells Red Pottery a Marker of Tohono O'odham Identity in Late Precontact Times? Archaeological and Ethnographic Perspectives with *Bill Doelle and Samuel Fayuant*

For more information go to <https://www.archaeologysouthwest.org/things-to-do/cafe/>

CHAPTER MEETING SCHEDULE

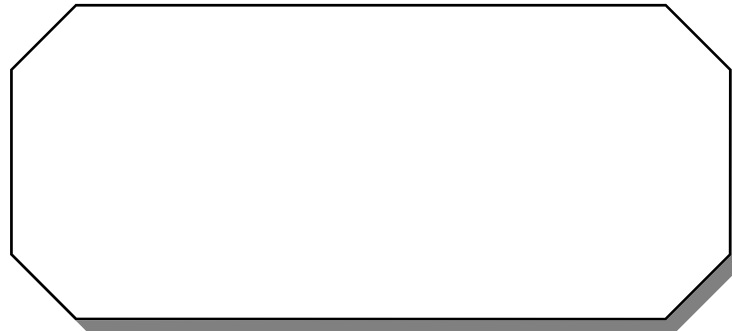
<u>Chapter</u>	<u>Location</u>	<u>Date & Time</u>	<u>Membership</u>
Agave House	Black Mesa Ranger Station Conf. Rm. 2748 Hwy. 260, Overgaard	4 th Wed., 6:30 pm	Era Harris 928-713-1282
Desert Foothills	The Good Shepherd of the Hills Community Building, 6502 E Cave Creek Rd., Cave Creek	2 nd Wed., 7 pm Sept. thru May	Glenda Simmons 928-684-3251
Homolovi	Winslow Chamber of Commerce 523 W. 2nd Street, Winslow	2 nd Wed., 7 pm Sept. thru Dec., March thru June	Karen Berggren 928-607-1836
Little Colorado River	Casa Museum, 418 East Main Springerville	3 rd Mon., 7 pm	Tony Contreras# 970-210-3238
Northern Arizona	The Peaks "Alpine Room" 3150 N. Winding Brook Road Flagstaff	3 rd Tues., 7 pm Sept. thru Nov., Jan. thru June	Bob Malone 202-882-6918
Phoenix	Pueblo Grande Museum 4619 E. Washington, Phoenix	2 nd Tues., 7 pm Sept. thru May	Vicki Caltabiano 480-730-3289
Rim Country	Payson Library 328 N Mc Lane Rd, Payson	3 rd Sat., 10 am	Dennis Dubose 541-921-7760
San Tan	San Tan Historical Society Museum 20425 S Old Ellsworth Rd. Queen Creek, Az 85142	2 nd Wed., 7 pm Sept. thru May	Marie Britton 480-390-3491
Verde Valley	Sedona Public Library 3250 White Bear Road Sedona	4 th Thurs., 7 pm, Sept. thru May 3 rd Thurs., 7 pm, Nov and Dec.	Tom Cloonan 206-849-8476
Yavapai	The Museum of Indigenous People 147 North Arizona St., Prescott	3 rd Wed., 6:30 pm Sept. thru Nov., Jan. thru June.	Scott Sutton 503-320-7396



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Dated material:
 Please deliver promptly.
 Thank you!



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OBJECTIVES of the AAS:

- To foster interest and research in the archaeology of Arizona
- To encourage better public understanding and concern for archaeological and cultural resources
- To protect antiquities by discouraging exploitation of archaeological resources
- To aid in the conservation and preservation of scientific and archaeological data and associated sites
- To serve as a bond between the professionals and the avocational non-professionals
- To increase the knowledge and improve the skill of members in the discipline of archaeology
- To participate in investigations in the field of archaeology and to put the information so obtained into published form
- To publish a journal and such monographs as the publications committee deems appropriate

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Nancy Unferth, Chapter News editor *Arizona Archaeologist Series Editor*
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