
THE PETROGLYPH

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FROM THE CHAIR

The Executive Board and Planning Committee of the AAS sincerely thanks the Verde Valley Chapter for hosting and arranging the 2019 AAS Annual Meeting. They had big shoes to fill after the 2018 state meeting in Payson which was a great success and attracted just over 100 people! The 2019 meeting also had just over 100 people registered for the meeting!

A big **Thank You** to the members of the Verde Valley Chapter of the AAS, and especially to their President, Linda Krumrie, who worked tirelessly to organize the meeting, which was also a great success. We hope to have many more state meetings like these in the future!

We owe a big **Thank You** to Dr. David Wilcox for organizing the Panel Discussion on Verde Valley Archaeology and the Poster Session; to Peter Pilles for securing and introducing the keynote speaker, Dr. Carla Van West; and to Dr. Sandra Lynch for moderating the Panel Presentation. Dr. Wilcox also recruited the leaders for the Sunday field trips, and both he and Peter Pilles presented posters as well as led field trips on Sunday.

We also thank the speakers who presented their research in the Panel Discussion: Peter Pilles, Dr. Todd Bostwick, Jerome Ehrhardt, and Matt Guebard; and those who presented posters all day long, many of whom also led field trips on Sunday: Jerome Ehrhardt; Linda and Ted Neff, Peter J. Pilles, Jr., and Ron S. Krug; Todd Bostwick; Matt Guebard and Lucas Hoedl; Donald Keller; James Graceffa, Keith Greiner and Todd Bostwick; Spence Gustav; David R. Wilcox; David R. Wilcox, Donald Keller, and Jerome Ehrhardt; Keith and Jeannie Greiner, Jerome Ehrhardt, and David R. Wilcox; and Walter Gosart. Last but not least, we thank the keynote speaker, Dr. Carla Van West, a distinguished archaeologist from the Statistical Research Foundation, who highlighted recent contributions to our understanding of the archaeology of the Middle Verde River Valley and its surrounding terrain with a variety of graphs, maps and photographs.

We also thank the members who traveled to Sedona and participated in the 2019 Annual Meeting and the Field Trips on Sunday. Here's to 2020!

Ellie Large, Chair

IN THIS ISSUE...

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**Next deadline is 5 pm,
Saturday, Nov. 23**

REMEMBERING TWO FORMER AAS MEMBERS

Alan Ferg, who was an advisor to the AAS from 1994 to 2017 and editor of *The Arizona Archaeologist* from January 1995 to May 2014, submitted the tribute on page 3 to two long-time avocational archaeologists and AAS members, Richard Whiting Lord and his wife, Florence Brundige Lord. Alan was also co-author of AAs #22 and #26 and author of AA #35. He knew the Lords well and I think his tribute serves as a reminder to all of us of what dedicated avocationalists can contribute to archaeology. Although opportunities to do so now are harder to come by, there are still opportunities to survey, record and excavate as shown by the work being done in the Verde Valley and Payson.

Arizona Archaeological Council Fall Conference

Pueblo Grande Museum

November 8, 2019

9 am to 4 pm

The Arizona Archaeological Council (AAC) is sponsoring the 2019 Fall Conference at Pueblo Grande Museum in Phoenix. This year's theme is **Current Research in Arizona Archaeology**. We have a range of papers addressing recent excavations along SCIP Canal 9 on the Gila River Indian Community, Hohokam brewing, Hohokam food processing pits at Escalante Ruin, an update on tDAR's Digital Archive of Huhugam Archaeology, the Snake/Bird motif, ceramic exchange, and a discussion of platform mounds.

Following the papers, we will provide an opportunity for updates on current field projects. After the conference, we are hosting a happy hour at Boulders-on-Broadway in Tempe. The conference is FREE to attend, but we welcome donations to the AAC to support these activities. The AAC produces the Journal of Arizona Archaeology, current issues of which are available only to our members. If you are not currently a member, you may join at the conference or via our website at <http://arizonaarchaeologicalcouncil.org/page-1068936>.

Renew Now – 2018 AAS Memberships Expire December 31!

There are three ways you can renew your AAS membership:

- Attend your next chapter meeting, fill out the membership form and pay the chapter treasurer;
- Download the membership form from the AAS website and mail with your check to the address shown on the membership form; or
- Use AffiniPay or a debit or credit card on the AAS website.

Contact Gerry Haase, State Membership Chair, for more info.

Chapter Treasurers Reminder

Please create and submit your chapter's IRS Form 990 no later than Jan. 15, 2020. 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 2019 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 or Ellie Large, who was 2nd Vice Chair for several years.

2020 Southwest Symposium Biennial Archaeological Conference

Thursday, January 30th, 5 pm - Saturday, February 1st, 5 pm

The 17th biennial conference will be held in Tempe, AZ on Jan. 30 - Feb. 1, 2020 on the ASU Main Campus in the Ventana Ballroom within the Memorial Union. The theme for the 2020 Conference is **Thinking Big: New Approaches to Synthesis and Partnership in the Southwest/Northwest**. They are also releasing an open call for individual posters or poster sessions that fit within this theme or focus on other aspects of archaeology and history in the U.S. Southwest and Northern Mexico. For further information or details, email Matthew Peeples at Matthew.Peeples@asu.edu or go to: <https://www.southwestsymposium.org>.

IN MEMORIAM: A TRIBUTE TO TWO FORMER YAVAPAI CHAPTER MEMBERS

Richard Whiting Lord passed on September 6, 2019 at the age of 93. Florence Brundige Lord, his wife and partner in archaeological adventures, predeceased him on July 31, 2015.

When Dick retired from his job as an engineer, he and Flo decided they had had enough of Eastern winters and snow, and moved to Arizona in September of 1985, to start a different life. With a home base in Prescott Valley, they traveled in a motorhome, with Marty the Tuxedo Cat, seeing the sights - and also apparently the sites. In the spring of 1987, at an open house event at the Arizona State Museum in Tucson during Arizona Archaeology Week, they met Rich Lange, who had materials on display from ASM's archaeological projects at Homol'ovi State Park in Winslow. They asked if there were volunteer opportunities for interested folks with no experience. Rich introduced them to Lisa Young, who was getting ready to go into the field that summer to excavate a pithouse village at Homol'ovi. By the end of that summer, they were hooked. And left with "homework" to do before the next summer: how to take good photographs of large excavated pithouses had been a topic of discussion during the summer. "Bipods" were already in use at some Old World archaeological digs, but had various limitations. Over the winter, Dick put his engineering skills and photographic experience to use, and the following summer arrived back at Young's project with a bipod that he had designed and built himself, composed of two long aluminum poles joined at the top, forming a triangle with the ground as the bottom side. This lightweight rig was pulled into an upright position over the excavation with ropes, secured with those ropes, and a 35-mm camera was pulled up to a cradle at the apex. With one of the world's longer shutter-release cables, Dick would wait for sundown, or passing clouds, and snap nice pictures, without shadows, looking straight down on the feature(s), while Flo recorded camera settings and feature numbers. Worked like a charm. With a north arrow, a scale, and registration marks on the ground all recorded in the photograph, later in the darkroom at his home Dick could create collages of large contiguous areas that had minimal distortions. To correct for any divergence from vertical that he could not overcome in the field, he built a tilting bed for copying photographs. You could draft scale maps by making tracings of his photographs. He had built the better mousetrap, and soon archaeologists were beating a path to his door.

By the time I heard about the Lords, they were members of the Yavapai Chapter of AAS, and doing volunteer photography for various AAS projects, both field photography and taking studio pictures of artifacts for reports, such as the Bonnie Site, Coyote Ruin, JBJ, Neural, Quass Pueblo, and Sundown. For Prescott National Forest, they photographed at Attic House, Janet Site, Powerline, Salida Gulch, and Yolo. In September 1991, they (and Marty) came to Winslow to help dig and photograph excavations that I had organized at the historic Mormon fort of Brigham City. We did that for several Septembers, and worked at Obed as well. Pretty soon, their summers were spent volunteering for NPS archaeologists from the Western Archeological and Conservation Center (WACC) recording rock art at Petrified Forest National Monument, and historic features at the World War II Manzanar relocation center (internment camp) (now Historic Site) in California. Word of mouth sent them to Luna, New Mexico, to photograph an unusually deep pithouse excavated by the Museum of New Mexico. Dick and Flo took 1204 artifact photos at the Smoki Museum as part of an inventory project. Winters often included a trip to Tucson to photograph processed artifacts in the Homol'ovi lab, either as documentation or for publication in reports, theses, dissertations, and use in public presentations. And they did the occasional odd job for Coconino, Coronado, and Kaibab National Forests, and photographing geoglyphs for the BLM in Yuma. I once said that if you wanted to introduce someone to an archaeologist and have that person come away with a good impression, the Lords would be one of the best choices possible. The only way you could tell that they had not turned pro was because they wouldn't take money for what they did. They showed up ready to work, self-contained and self-sufficient; all film and developing and prints were free to you. In 1995 their efforts were recognized with the Arizona State Parks Archaeology Advisory Commission's Volunteers in Archaeology Award. However, they were actually just hitting their stride.

As work in the Winslow area (Homol'ovi sites, Mormon fort sites) waned, Dick and Flo did more and more volunteering with archaeologists Jeff Burton and Ron Beckwith, first while both worked at WACC in Tucson, and then with Burton at Manzanar National Historic Site, and with Beckwith at Saguaro National Park. Burton and Beckwith summarized that, starting in 1989, Dick and Flo (and Dick alone after Flo's death) had donated thousands of hours and driven thousands of miles doing volunteer photography projects for over a dozen national parks and historic sites. Death Valley, Fort Bowie, Joshua Tree, Manzanar, Minidoka, Mojave, Montezuma Castle, Organ Pipe, Petrified Forest, Saguaro, Tule Lake, Tumacacori, Yosemite, and Yuma parks, sites, monuments and heritage areas all benefited from Dick and Flo's willing help. As part of the work related to Manzanar and Minidoka, they travelled to all ten of the former World War II War Relocation Authority concentration camps, from California to Arkansas, re-shooting historic photographs to show current conditions. In 2017, Dick's 27 years of contributions to National Park Service endeavors were recognized by his being named the Intermountain Regional Enduring Service Winner, and recipient of the George and Helen Hartzog Award for Outstanding Volunteer Service.

Dick and Flo were extraordinary avocational archaeologists, although at the same time, they were also just typical representatives of the breed – enthusiastic, helpful, self-effacing, and friendly. Ron Beckwith said that the first thing that comes to

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Agave House Chapter

Aug. 17th Field Trip: Eight members traveled to the Kinishba Ruins, a 600-room Mogollon great house site on the White Mountain Apache Reservation. The site is easily accessible and the walk from the parking area to the pueblo is an easy stroll. Afterwards the group lunched at Charlie Clark's in Show Low. It was a great day and loads of fun!

Aug. 28th Meeting: Allen Dart, RPA, has worked in Arizona and New Mexico since 1975 and has been an Arizona Humanities speaker since 1997. In his presentation, *Set in Stone but Not in Meaning: Southwestern Indian Rock Art*, he illustrated southwestern petroglyphs and pictographs and explained how even the same rock art symbol may be interpreted differently from popular, scientific, and modern Native American perspectives. It was very interesting.

September Forest Service Volunteer Opportunity: Heather Maurer, Archaeologist for Black Mesa Ranger District, asked for volunteers for a Passport in Time project, Sept. 16-20, to record sites that don't have much information.

Sept. 25th Meeting: We had a crowd of 70 people to hear Travis Walton give his talk: *The Travis Walton Story: A Story of a UFO Abduction*. On Nov. 4, 1975, Travis Walton was hit by an energy beam from a UFO in front of 6 witnesses who fled the scene thinking Travis had been killed. After five days of an extensive search with no leads, Travis reappeared and told of an experience on board the UFO with extraterrestrial beings. Travis and all 6 witnesses have passed multiple polygraph tests about the encounter. His encounter is one of the most credible alien abductions known to this day, and is the subject matter of the feature film, *Fire in The Sky*. We all enjoyed hearing Travis talk about his experience, especially as it happened in our own back yard!

Reminder: October is the last meeting for the year 2019. No meetings in November and December. January 22, 2020 (the 4th Wednesday as there are 5 Wednesdays in January), will be the first meeting of the New Year.

--Era Harris



Desert Foothills Chapter

Oct. 9th Meeting: Ken Zoll presented *Prehistoric Southwest Infrastructure and Movement*. The movement of goods from one part of the country to another is an intriguing subject. Economics, religions and esthetics furnished the driving force, with transportation a romantic intermediary. As trade plays such a lively part of our own lives, we may wonder about trade in the pre-Columbian past. Peoples of the Southwest and Mexico used various corridors for trade and as a communication network for hundreds of years before the arrival of European settlers. Ken discussed ancient trade routes that supplied Southwest Native American tribes with goods from Mesoamerica. Marine shells, parrots, macaws, chocolate and copper objects came from the south. In return, Southwestern peoples sent locally produced items south such as turquoise, peridot, serpentine, garnet and other semiprecious stones as well as pottery, salt, and earthen pigments. Many of these ancient trails are today's modern highways. This presentation was received quite well by those in attendance. It looked at trade routes in an interesting way and provided insight to exports as well as imports. One example is southwest turquoise in Mesoamerican death masks of elites. Also, Chaco-like outlier roads are found in the Midwest. Sources for information ranged from today's high technology to old-time photographs, very intelligent resourcing.

Oct. 14th Extended Field Trip: Field trip with Dr. David Wilcox to Bears Ears, Natural Bridges, a Great House, Edge of Cedars Museum and other activities the week of October 14th.

Oct. 22nd Knot-less Netting Class: Albert Abril taught a class on knot-less netting, one of the oldest ways of making textiles. The class was based on an Anasazi medicine bag found in northeast Arizona location called Gourd Cave. However, knot-less netting is a technique applicable to nets, textiles, and weaved vessels. These basic techniques can be found as far away as Scandinavia, as an example.

Note: Please renew your DFC Membership for 2020 early. People are always busy and distracted at the end of the year with holidays and travel. Avoid not being eligible for activities as the new year begins.

Nov. 5th Trip: Join the chapter on a trip to the Boyce Thompson Arboretum, which brings together plants from around the world's varied dry land desert environments displayed alongside unspoiled Sonoran Desert vegetation. This location rates 5-Stars on Google. The docent trip begins at 10 am so please allow adequate driving time. The event ends about 1 pm, depending on group participation and questions. Contact Mary Kearney for signup at Maryk92@aol.com.

Nov. 13th Meeting: Mark Hackbarth, M.A., RPA, presents *Recent Archaeological Investigations in the Foothills*. Three recent excavation projects near Cave Creek have identified small Classic, Sedentary, and earlier sites spanning the time

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from AD 1 to 1250. All three project areas were used to process plant resources but only one location included temporary shelters. The different artifact and feature assemblages provide information about prehistoric adaptations to seemingly barren landscapes.

Nov. 20th Bashes' Art Collection: Join the Desert Foothills Chapter from 10 am to about 1 pm at the prestigious Bashes' Art Collection, Bashes' Chandler Headquarters, in the Zelma Basha Salmeri Gallery. The contemporary Western American and Native American collection is rated 5 stars on Google and features free admission with over 3,000 pieces. It is a rare gem that is often overlooked in the overall Phoenix Valley. Please allow adequate driving time and wear comfortable footwear. More details to follow with the formal announcement for signup. Contact Mary Kearney for signup and further questions after formal class announcement at Maryk92@aol.com.

Dec. 11th Holiday Party: Please watch for flyers on the back table at the November meeting because they are the primary source of information about the party. The flyers will provide party details and a registration form. The registration form and notification were also sent out in an e-blast on Oct. 14th. The cutoff date for payment to and party registration receipt from Kathy Queen is Dec. 2nd. The cutoff is necessary for food preparation and planning (as well as for your selections). Also, we need raffle items for the party. Donations are appreciated, and donation contacts are Liz Wescott (480-200-7967 or elizabethjulia00@gmail.com) or Tammy Teegardin (602-999-9153, teegardins@msn.com). Walk-ins cannot be accommodated at the event, so please get your reservation taken care of early.

--Roger Kearney



Homolovi Chapter

Our next meeting is Nov. 13th, and features Richard Jenkinson with *Rock Art of the Dinétah: Stories of Heroes and Healing*. The Navajo rock art of the Largo Canyon area was made recently enough that ethnography can aid in identification of much of the artwork. This talk will consider this Navajo rock art in relation to Navajo mythology and ceremonies. Even today, Navajos would immediately associate many of these rock art images with particular characters and stories in their mythology. Richard will delineate these connections and tell a few stories along the way.

Richard is a retired high school English teacher who taught for fourteen years in Kayenta, Arizona. Navajo mythology was a part of his English curriculum during those years. He and his wife Lynn have been residents of Kanab, Utah for the last three years and he is a past president of the Utah Rock Art Research Association.

Regular HAS meetings are the second Wednesday of the month at 7 pm at the Winslow Chamber of Commerce Visitor Center (Historic Lorenzo Hubbell Trading Post), 523 W. Second St in Winslow. You can also join us and the speaker(s) for dinner at 5 pm at the Historic La Posada Turquoise Room (on your own tab).

--Sky Roshay



Little Colorado River Chapter

Oct. 21st Meeting: We welcomed AZ Humanities scholar Dr. Deni Seymour, who gave a very informative talk on *The Apaches and Their Horses*. Dr. Seymour has been studying the Apaches and other Southwest groups for over 30 years and her depth of knowledge and grasp of the intricacies of identifying group dynamics was evident. After explaining that the Apaches were raiders long before they acquired horses, she went on to explain the ways in which having horses changed life for the Apaches, particularly for the Chiricahua and Mescaleros. Having horses gave them increased mobility, ease of transportation, aided in warfare and raiding and changed their habitation sites. They also provided food on the hoof as horses seen were not only as wealth but as expendable. A very interesting discussion followed about the intermingling of communities and how that changed groups of people, from today's Snowbird communities to early Apache and other southwest groups. Thanks to AZ Humanities for providing such interesting speakers.

Nov. Field Trip: We plan to enjoy a field trip in November but details are yet to be worked out. Contact Carol (see below) if any AAS members are interested in joining us.

The October Fall Festival sponsored by the Town of Springerville was a great success. We had a booth to promote membership and sell raffle tickets on a quilt donated by Sue Zeigler and other merchandise. Thanks to all who helped. The winning quilt ticket was drawn at the Monday night meeting and the winner is local resident, Laura Holliday. The funds raised by the quilt raffle will help provide speakers for the coming year.

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The Casa Malpais Museum is open year round, Monday through Saturday, but tours of the site will end at the end of Nov. and resume again in March. For more information on meetings, field trips or Casa tours, contact Carol Farnsworth, 928-333-3219.

--Carol Farnsworth



Northern Arizona Chapter

Nov. 19th Meeting: Dr. Francis Smiley, NAU, will present ***13,000 BP: Clovis Peoples in the Northern Southwest***. This presentation summarizes Clovis evidence across North America and presents new evidence for Clovis in the northern Southwest developed by Dr. Francis Smiley and his graduate students over the past eight years. Clovis culture took North America by storm about 13,000 years ago. It was first discovered and identified as an ancient phenomenon as a result of archaeological work in the Southwest at Blackwater Draw, eastern New Mexico and the Lehner and Murray Springs mammoth kill sites in southern Arizona. Clovis stone tool technology incorporates the full range of flintknapping techniques found across the world and provides a fascinating platform for understanding virtually the entire human stone tool technology spectrum. Dr. Smiley will bring a range of Clovis points, bifaces, and tools for hands-on examination by the audience after the presentation. The materials come from his vast cast collection in the NAU Lithic Casting, Research, and Teaching Laboratory in the NAU Department of Anthropology.

--Antoinette Beiser



Phoenix Chapter

Nov. 12th Meeting: John Langan, Archaeological Project Director for Aztec Eng., Phoenix, will explain what was learned from ***Recent Excavations in the Eastern Papaguería***. Excavation of 25 sites in advance of highway widening along State Route 86 since 2010 has yielded some of the only data pertaining to small sites in the area between the Tucson Basin and the western Papaguería. (SR86 stretches from Why, Az., to Interstate 19 just south of Tucson). Prior archaeological interpretations were based on work at only four sites in the eastern Papaguería (Ventana Cave, Jackrabbit Ruin, Valshni Village, and Gu Achi) which were thought to be rare sedentary or semi-sedentary outposts in a sparsely populated region. Other than Ventana Cave, which was almost continuously occupied from the Archaic through the historic periods, no evidence for occupation between ca. AD 150 and 750 had been found. The SR86 projects provide evidence for more settled populations continuously occupying the Baboquivari Valley and the foothills of the Quinlan Mountains from the Late Archaic-Early Agricultural period through at least the protohistoric period. Formalized pithouses, maize agriculture, and a complex and distinctive mortuary pattern indicate a greater degree of permanence than previously recognized. These populations may have practiced a somewhat mobile subsistence strategy, similar to the “two-village” approach common to historic Tohono O’odham groups. Nearly all sites from which reliable dates were obtained included more than one temporal component, suggesting repeated occupations.



John has a B.A. in Anthropology from the University of Arizona and has worked in Cultural Resources Management since 2001, when he began working for the National Park Service. He joined AZTEC’s cultural resources program in 2007 and has since participated in hundreds of archaeological and environmental projects in support of transportation and infrastructure development. He has become particularly interested in the archaeology of the Papaguería from working on the SR 86 projects. He is keenly interested in mobilizing the information gathered by CRM projects to further public and academic understanding of prehistory and history

Oct. 8th Meeting: The speakers for our October meeting were Drs. Suzanne and Paul Fish, ASM, Tucson, who talked about ***Two Early Villages on Tumamoc Hill***. Before excavations began on Tumamoc Hill in 1985, this trincheras site located just west of downtown Tucson was thought to be a late Classic Period Hohokam site that contained only sleeping circles. Excavations revealed that it had been occupied much earlier and contained the remains of two sequential villages. The preceramic Cienega phase village dates between 500 and 200 BC, toward the end of the Early Agricultural period, and the residents had constructed some, if not all, of the 1.9 km of massive summit walls and terraces on the hill. A central community room was reused in the later Tortolita phase village which had plain and red-slipped ceramics dating to about AD 500. Well-preserved foundations of just over 150 Tortolita phase houses revealed occupational groupings that foreshadow later Hohokam courtyards.

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Upcoming Meetings:

Dec. 10: Todd Bostwick, VVAC, *Angkor and the Khmer Empire of Cambodia*

Jan. 14: Janine Hernbrode, ASW, *Patterns in Petroglyphs: Hints of the Hohokam Cosmology on the Landscape*

Upcoming Field Trips:

Cancelled: Phyllis tried to arrange a field trip to a site on the Barry M. Goldwater Range East. Due to a change in policy by the Barry M Goldwater Range, we will not be able to tour any sites on the range, and she apologizes for getting your hopes up.

Jan 18 Cocoraque Butte Petroglyph Site tour with Janine Hernbrode. \$25 fee. More information later. (See https://en.wikipedia.org/wiki/Cocoraque_Butte_Archaeological_District for more info on the site.)

The Phoenix Chapter meets at 7 pm on the 2nd Tuesday of each month in the Community Room at the Pueblo Grande Museum, 4619 E. Washington St., Phoenix. We take the speaker to dinner at 5:30 pm at the Ruby Tuesday Restaurant on 44th Street and Washington just northwest of the museum. If you are interested in having dinner with the speaker, please call or email Marie (480-390-3491 or mbrit@cox.net) so that she can reserve a large enough table.

--Ellie Large



Rim Country Chapter

Nov. 2nd Meeting: Colonel (Ret) Felicia French, a third generation Arizonian who lives in Pine, will be sharing some of her experiences relating to the *800+ Miles of the Arizona Trail*, which she recently completed. Her power-point presentation which was also given to The Sierra Club, will emphasize environmental issues along the Trail.

Felicia (Cia) has a remarkable resume with a B.S. in Nursing, an M.S. in Management, and an M.S. in Sustainable Solutions. She is a combat veteran in Afghanistan, a MediEvac helicopter pilot, registered nurse, an educator, and one who has gone on numerous humanitarian missions in Honduras and the Dominican Republic and most recently in the rescue efforts after Hurricane Dorian. Cia is currently a hospice nurse in rural Arizona.

We will not be able to secure Cia to lead some of us on a hike following our meeting as she is off campaigning for Arizona State Senate.

Our chapter meeting this month is held at 10 am in the Community Room of the Payson Public Library, 328 N McLane, Payson. Meetings are free and the public is encouraged to come.

December's meeting date will be on the **Second Saturday** of the Month, **Dec. 14th**. And will be at the Payson Senior Center, 514 W Main Street, Payson, 474-4876. Todd Bostwick will be our speaker and will highlight his trip to Cambodia, *Angkor Wat and the Khmer Empire of Cambodia*.

--Evelyn Christian



San Tan Chapter

Nov. 13th Meeting: Our November meeting will be held at the **Queen Creek Library**, 21802 S. Ellsworth Rd, Queen Creek. **Start Time has changed to 6:30 pm**. We must be out of the Library by 9 pm and unfortunately, we will have no refreshments - not even Popcorn!

We have signed up for the PBS series of 8 shows called *Native America*. For our November meeting we will view *Episode 1: From Caves to Cosmos* which focuses on the deep roots of Native America. Who is America's First Peoples and how did they create their unique world? Answers emerge from Hopi Elders on pilgrimage at sacred Chaco Canyon in the New Mexico desert, scientists examining ancient cave painting in the Amazon jungle, Chumash boat builders exploring their tribe's ancient migration legacy off California's coast, and an archaeologist digging deep below a towering pyramid near Mexico City."

Dec. 11th Meeting: Our December meeting is our annual Holiday Potluck and due to continuing floor renovations at the San Tan Historical Society Museum it will be in the **Founders Room at Queen Creek Town Hall**, 22358 S Ellsworth Road, just south of Ocotillo. Time will be 6:30 to 9 pm. Bring your favorite dish to share with the group. It should be a fun evening with friends.

Chris Loendorf, Project Director, Gila River Indian Community (GRIC), will talk about *Rock Art Conservation Efforts in the Gila River Indian Community*. The GRIC Cultural Research Management Program (GRIC-CRMP) is actively

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involved in the protection and management of the many rock art sites within the community. These locations play a role in ongoing traditions and remain culturally significant to members of the modern community. Because of the sacred and sensitive nature of the extensive prehistoric and historic rock images in the community, they have focused on the documentation of areas that are undergoing active vandalism and efforts to stop this destruction, including recent and extensive cleaning efforts at several large petroglyph sites. As part of this work, they have conducted Energy Dispersive X-Ray Fluorescence Spectroscopy (EDXRF) analyses of rock art both within the community and in other locations. This research includes both documentation of vandalism for conservation efforts as well as analyses of prehistoric and historic pigments employed to produce pictographs. For example, one study of livestock brand petroglyphs and pictographs documented evidence for previously unrecognized animal husbandry practices, as well as long-term continuity in cultural traditions from the prehistoric to the historic periods. Another example is provided by an EDXRF study of pictographs from Picture Cave in Fort Bliss, Texas. This analysis documented variation in pigments that may be associated with different episodes of painting at the site.

--Marie Britton



Verde Valley Chapter

Nov. 21st Meeting: We will meet at 7 pm in the public meeting room of the Sedona Public Library, 3250 White Bear Road in West Sedona for an archaeoastronomy presentation by Bryan Bates. While living on the Navajo Reservation, Bryan began watching the skies and sharing his experience with Navajo kids, who then shared their sky stories with him. This sparked his interest in the astronomy of native societies. When working at a therapeutic high school in Idaho, he and his students reconstructed a full-scale model of Stonehenge. At Wupatki National Monument, he recovered the significance of an ancestral Puebloan calendar wall which he will share with us.

Winner of the 2013 VIOLA Outstanding Science Educator Award, Bryan is best known for his research in the astronomy of the ancestral Puebloans and their development of science through observation of natural cycles. He continued with research on Fajada Butte at Chaco Canyon National Historical Park, confirming the lunar standstill shadows on the “Sun Dagger” site. Chair of the 7th Oxford International Conference on Archaeoastronomy in 2004, Bryan was also the co-editor of the conference proceedings *Viewing the Sky through Past & Present Culture* and later co-editor of the 2010 edition of the Journal of Astronomy in Culture covering both technical research aspects and research results on archaeoastronomy in the Southwest. He is currently President of the Society for Cultural Astronomy in the American Southwest.

Bryan has explored and led wilderness trips in the mountains and canyons of the West for 40 years. Following a B.A. in Native American Studies and an M.S. in Environmental Science, he and a friend backpacked 21 days through the Grand Canyon. He has led canyoneering backpacks, been a river guide, and conducted archaeological & archaeoastronomical research across the Colorado Plateau, including the Grand Canyon. Bryan taught biology, environmental science and natural history at Coconino Community College until retiring as Professor Emeritus, Science, at CCC. In addition to his research and teaching, Bryan works as an interpretive naturalist with a number of different organizations including the American Association for Advancement of Science, the National Parks Conservation Association and numerous natural history museums, and now the Museum of Northern Arizona.

Bryan lives with his wife and daughter in a two-story solar-powered and resource-recycling hogan that Bryan designed and built and for which he was awarded the 2004 Sustainable Housing Award.

Dec. 19th Meeting: Although our regular chapter meetings begin at 7 pm in the public meeting room at the Sedona Public Library, 3250 White Bear Rd. in West Sedona, our December meeting will begin at 6 pm and will feature a movie and holiday festivity.

--Tom Cloonan



Yavapai Chapter



September Field Trips: In late September we visited Salida Gulch in the National Forest near Prescott. It contains several petroglyph panels, see example to the left.

We combined this with a visit to the charcoal kiln near the village of Walker, see the photos on the next page. The kiln was built about 1880 by Jake and Joe Carmichael to produce charcoal from local oak in order to support the silver ore smelters in the Walker district. It is remarkably well preserved and the only surviving example in the area.

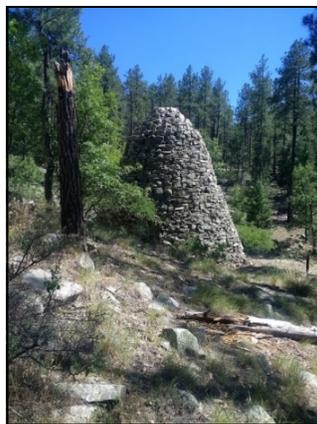
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Charcoal kiln from inside



Charcoal kiln from the side



Front view of charcoal kiln

On Oct. 19th we will have a trip to the Honanki Heritage Site near Sedona where we will have an expert guided tour. Honanki and its sister site, Palatki, were the largest cliff dwellings in the Red Rock area around Sedona when they were in their prime around 1150-1350 A.D.

November Field Trip: A visit to the Badger Springs in the Agua Fria Monument is planned, details later.

General Meetings: Note that our meetings have changed to Wednesdays but the time and place have not. Meetings will begin at 6:30 pm at the Smoki Pueblo, 147 N. Arizona Avenue, Prescott. Pre-meeting dinners remain the same, gathering at 4:30 pm at Augie's, 1721 AZ-69, between McDonald's and Einstein Bros., in front of the Frontier Village Center in Prescott.

Oct. 16th Meeting: Dr. Sandra Lynch, Adjunct Curator for the Sharlot Hall Museum, talked about baskets made by the Yavapai peoples who inhabited our region in ancient times. Baskets are particularly significant finds because they represent a large portion of the items produced by prehistoric peoples yet are very perishable and rarely found in most environments. We hope to have some examples on display from the Smoki Museum collection.

At the meeting we will put out a call for a new chapter VP to serve in 2020. A primary duty is to arrange for guest speakers for our general meetings. If you are interested, please contact us at ycaasec@gmail.com.

Nov. 20th Meeting: Justin Parks will be talking about the *Experimental Archaeology of Bows & Arrows*. We are hoping to include a demonstration.

Book Sale: Note also that we will continue our book sales at the general meetings. You can buy books or reports that might interest you or you can bring books from your collection to offer to other members. All proceeds will go to the chapter.

Willow Lake Pit Houses: The chapter is always in need of members to serve as docents at the pit houses that we look after at Prescott's Willow Lake Park. We are there on the first Saturday of each month between 10 a.m. and noon. If you are interested, YCAAS Education Chair Warner Wise will bring you up to speed. Email him at warnerwise@cableone.net with the subject line 'WLPH Docents'.

Smoki Museum: Info is always available on the museum's webpage: <https://www.smokimuseum.org/events>.

--Ian Critchley

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IN MEMORIAM

his mind is that it was always a pleasure to work with Dick and Flo. They were good advocates for the archaeology and preservation communities in general, and the Arizona Archaeological Society in particular. Creating documentation about the sites they worked at, that will be curated in perpetuity. That's a good legacy for something that they did for fun, as a "second career."

Alan Ferg

UPCOMING EVENTS

AAHS	Az Arch. & Hist. Society, UA Duval Auditorium, 1500 N Campbell Blvd, Tucson; az-arch-and-hist.org.
AIA	Archaeological Institute of America, UA-Tucson and ASU-Tempe; www.archaeological.org.
ASM	Arizona State Museum, 1013 E University Blvd., Tucson; 520-621-6302; statemuseum.arizona.edu
ASW	Archaeology Southwest, 300 N. Ash Alley, Tucson; 520-882-6946; archaeologysouthwest.org
HSP	Homolovi State Park, Winslow; west of Hwy 87 ne of Winslow; 928-289-4106; azstateparks.com/homolovi
OPAC	Old Pueblo Archaeology Center, 2201 W. 44th Street, Tucson, 520-798-1201; oldpueblo.org
OSP	Oracle State Park, 3820 Wildlife Dr., Oracle, 520-896-2425; azstateparks.com/oracle
PGM	Pueblo Grande Museum, 4619 E. Washington St., Phoenix, 602-495-0901; pueblogrande.com
PGMA	Pueblo Grande Museum Auxiliary, 602-534-2430 ; www.pueblogrande.org
RRSP	Red Rock State Park, 4050 Red Rock Loop Rd, Sedona, 928-282-6907; azstateparks.com/red-rock
SCRCA	Spur Cross Ranch Conservation Area, 44000 N. Spur Cross Rd, Cave Creek; maricopacountyparks.net
STMRP	San Tan Mtn Reg. Park, 6533 W. Phillips Road, Queen Creek, 480-655-5554; maricopacountyparks.net
VVAC	Verde Valley Archaeology Center, 385 S. Main St., Camp Verde, 928-567-0066; verdevalleyarchaeology.org
WTMRP	White Tank Mountain Reg. Park, 20304 W. White Tank Mtn Rd, Waddell; maricopacountyparks.net

Nov. 2, 10 am-1 pm, HSP, Winslow, Tour: **Homolovi IV Pueblo Guided Tour**. Tour the oldest Homolovi Pueblo by driving your own vehicle in a caravan 12 miles to Homolovi IV (last .25 miles is dirt road). Walking distance about .3 miles on uneven ground (easy trail). Tour limited to 15; reservations required; call 928-289-4106.

Nov. 3, 9-11 am, SCRCA, Cave Creek, Ranger-led Hike: **Rock Art of Spur Cross**. The petroglyphs found in Spur Cross were created hundreds of years ago by the Hohokam people. Moderate difficulty. No dogs; no reservations. Meet at main trailhead where restrooms and picnic tables are located.

Nov. 6, 6:30-8 pm, PGM, Phoenix, PGMA Talk: **Old Time Religion? The Salado Phenomenon in the Greater Southwest** by Allen Dart, OPAC.

Nov. 7, 5 pm, AIA, Tucson, Lecture: **Classical Architectural Modeling and the Origin of the Parthenon Frieze** by John Senseney. In Harvill 204, UA Campus.

Nov. 12, 6:30-8 pm, VVAC, Camp Verde, Lecture: **Ashiwi (Zuni) People** by Kenny Bowekaty, a Zuni and an archaeologist. At the Camp Verde Community Library.

Nov. 13, 2:30-4 pm, Pima County Library, Tucson, Talk: **The Antiquity of Irrigation in the Southwest** by archaeologist Allen Dart. At the Dusenberry-River Library, 5605 E. River Rd., #105, Tucson.

Nov. 13, 5-6 pm, Coolidge Public Library, Talk: **Is it Global Warming or Climate Change? The Philosophy of Communicating Climate Science** by Matthew Goodwin, Ph.D., NAU. At 160 W. Central Avenue, Coolidge.

Nov. 13, 5:30 pm, Flagstaff, Talk: **The Anthropology of Paleontology: A Quick Look at Native American Depictions of the Fossil Record in the Grand Staircase-Escalante Region and Beyond** by R. E. Burrillo. He is the guest editor of the latest edition of the Archaeology Southwest Magazine on greater Grand Staircase-Escalante, which will be sold by the bookstore. At Bright Side Bookshop, 18 N. San Francisco St., Flagstaff.

Nov. 14, 9 am-Noon, WTMRP, Waddell: **Waterfall Trail Archaeology Walk**. Join park volunteer Chris Reed on this easy 2-mile walk to go back in time. Please leave your dog at home. Meet at the Waterfall trailhead.

Nov. 16, 8-11 am, PGM, Phoenix: **Mudslinging** on the platform mound. Call 602-495-0901 to volunteer.

Nov. 16, 10 am-2 pm, PGM, Phoenix: **SALT Saturday**. SALT member Charlie Tadano will demonstrate the use of an Atlatl; it is a drop in program, where visitors can informally ask questions and observe live demonstrations.

Nov. 16, 2 pm, ASM, Tucson, Lecture: **Looting and the Law: Preventing, Detecting, and Investigating Archaeological Resource Crime** by John Fryar and Garry Cantley. In CESL 103, just east of ASM.

Nov. 17, 9 am-Noon, SCRCA, Cave Creek, **Hike: Hohokam Houses-the Ruins of Spur Cross**. A 2.5-mile hike introduces you to the rich archaeological history of the area. Bring plenty of water. No dogs. No reservations required; meet at the main trailhead area where restrooms and picnic tables are located; moderate.

Nov. 17, 1 pm, OSP, Oracle, Talk: **13,000 Years of History: The Archaeology of Oracle and the San Pedro Valley** by archaeologist Linda Gregonis. In the living room of the historic Kannally Ranch House. Please call 520-896-2425 for a reservation; free with park admission.

Nov. 17, 1 pm, RRSP, Sedona: **Archaeology Hike at Red Rock State Park**. The hike will identify the various archaeological features visible from park trails and interpret them in the wider context of important regional Sinagua sites.

Nov. 18, 7:30 pm, AAHS, Tucson, Lecture: **Seasons in the Sun: Experimental Time-lapse Photographic Documentation of Archaeo-astronomic Sites** by David Purcell, MNA.

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Nov. 19, 6 pm, ASW, Tucson, Book Release, **Rock Art: A Vision of a Vanishing Cultural Landscape**, and discussion of Utah's Molen Reef by author and photographer Jonathan Bailey. At the Loft Cinema, 3233 E. Speedway Blvd.

Nov. 21, 6-8:30 pm, OPAC, Tucson, Dinner and Talk: **The Archaeological Significance of Creekside Village: What the Past Five Years of Investigations Have Revealed** by archaeologist David Greenwald at U-Like Oriental Buffet Asian Cuisine, 5101 N. Oracle Rd. Free. Go to info@oldpueblo.org or call 520-798-1201 for reservations.

Nov. 21, 6:30-8:45 am, WTMRP, Waddell: **Sunrise Hike: Blackrock Long Loop (1½ miles)**. Watch the sunrise from a viewpoint, experience the Sonoran Desert as it awakens, and see ancient petroglyphs along the trail. Please leave your dog at home; meet at Area 4. Bring your camera! And don't be late – the sun won't wait!

Nov. 21, 10-10:45 am, PGM, Phoenix: **Behind the Scenes Tour with Curator**. Join collections staff for a "behind the scenes" tour of the museums' collection. Take an intimate tour of the lab, storage, and archival areas not open to the public. Space is limited, register at front desk on day of tour. \$5 fee. Discounts for Museum Members.

Nov. 23, 8 am-1 pm, SCRCA, Cave Creek, Hike: **Elephant Mountain Fortress Hike**. A 7-mile, 5-hour roundtrip trek into the backcountry. Bring at least 2 liters of water. Wear a hat and dress in layers. No dogs.

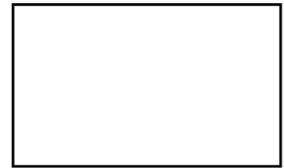
Nov. 29, 10-11 am, PGM, Phoenix, Tour: **Guided Tour of the Park of the Four Waters** takes you through the remnants of two prehistoric canals. \$5 in addition to museum admission; museum members free. First-come, first-served; space is limited. Sign up on day of tour.

CHAPTER MEETING SCHEDULE

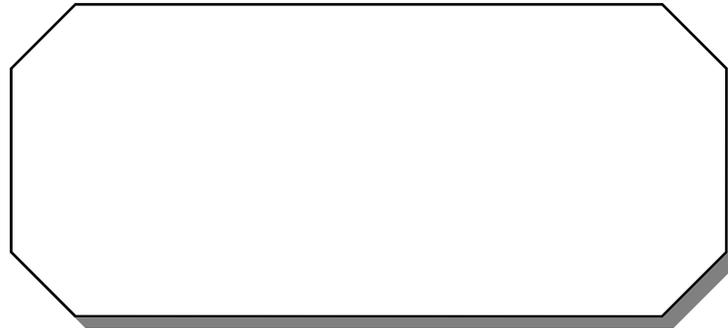
<u>Chapter</u>	<u>Location</u>	<u>Date & Time</u>	<u>Membership</u>
Agave House	Black Mesa Ranger Station Conf. Rm. 2748 Hwy. 260, Overgaard	4 th Wed., 6:30 pm	Era Harris 928-713-1282
Desert Foothills	The Good Shepherd of the Hills Community Building, 6502 E Cave Creek Rd., Cave Creek	2 nd Wed., 7 pm Sept. thru May	Glenda Simmons 928-684-3251
Homolovi	Winslow Chamber of Commerce 523 W. 2nd Street, Winslow	2 nd Wed., 7 pm	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	Nancy Unferth 602-371-1165
Rim Country	Payson Library 328 N Mc Lane Rd, Payson	1 st Sat., 10 am	Dennis Dubose 541-921-7760
San Tan	San Tan Historical Society Museum Ellsworth & Queen Creek Roads Queen Creek	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.	Jerry Ehrhardt 928-282-1557
Yavapai	Pueblo of the Smoki Museum 147 North Arizona St., Prescott	3 rd Wed., 6:30 pm Sept. thru Nov., Jan. thru June.	Kent Hart yaskvh4488@ gmail.com



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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

PUBLICATIONS

<i>Ellie Large, Petroglyph Editor</i> Nancy Unferth, <i>Chapter News editor</i> thepetroglyph2@cox.net	<i>Bill Burkett, Arizona Archaeologist Series Editor</i> azarched@azarchsoc.org
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