

THE PETROGLYPH

Newsletter of the Arizona Archaeological Society

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October 2017

**2017 ANNUAL MEETING OF THE
ARIZONA ARCHAEOLOGICAL SOCIETY
Pueblo Grande Museum, Phoenix, AZ
October 28, 2017
*Tentative Agenda***

10:00 - 10:30 am: Doors open, set up etc.

10:30 - 10:35 am: Welcome – AAS State Chair, Glenda Simmons

10:35 - 12:00 pm: AAS Business Meeting

- 2017 Financials– Bob Unferth
- 2017 Certification Committee Reports and recommendations - Chuck Jenkins
- 2017 Membership Report – Gerry Haase (or representative)
- 2017 Arizona Archeologist Publications – Bill Burkett
- Presentation of 2017 AAS Professional Archaeologist Award to Alan Ferg - Glenda Simmons
- Presentation of 2017 AAS Avocational Award to Betty Higgins - Glenda Simmons
- Election of 2018 State Officers – Nominator to be announced
- Appeal for 2018 Annual Meeting hosts – Glenda Simmons and/or ??
- Revised Chapter Manual distribution to Chapter Presidents - Sandy Gauthier

12:00 - 1:00 pm: Lunch setup; State Book Sale (Alan Troxel); Phoenix Chapter Silent Auction

1:00 - 2:00 pm: Catered Mexican Buffet Luncheon

2:00 - 3:00 pm: Speaker: Matthew Behrend, AZ State Lands Land Manager (with Q&A session)

3:00 - 3:30 pm: Finalize book and auction sales

3:30 - 3:45 pm: Conclusion and thanks

3:45 - 4:00 pm: Room clearing and building exit

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**Next deadline is 5 pm,
Wednesday, Oct. 25**

Arizona Archaeology and Heritage Awareness Month March 2018 Listing of Events Brochure

The State Historic Preservation Office is now accepting listings for events during the March 2018 Arizona Archaeology and Heritage Awareness Month. This year they will not print the event brochure, but will focus on the electronic version. Listings need to be submitted on a new form, the Electronic Listing of Events Activity Schedule Form, which must be submitted to the SHPO no later than Nov. 1, 2017. If you did not receive one, contact Kris Powell at kpowell@azstateparks.gov or call her at 602-542-7141.

ON EXHIBIT NOW: MUSEUM EXHIBITS TO KNOW ABOUT

SMOKI MUSEUM, 147 N Arizona Ave, Prescott; 10 - 4 pm Mon-Sat, 1 - 4 pm Sun; www.smokimuseum.org or 928-445-1230.

July 15 - Dec 31: 1 - 4 pm, **Contemporary Indian Cultures of Prescott**. Exhibit explores who the Native People of Prescott are today, and how they celebrate and participate in their individual cultural activities.

Oct. 23 - Nov. 3: **Day of the Dead Altars**. Join us for the Celebration on Oct. 29, featuring mariachis, traditional Mexican dancers and authentic foods, like green corn tamales and pan de muerto - bread of the dead! Welcome back our dearly departed!

PUEBLO GRANDE MUSEUM, Phoenix; 10 am - 4:45 pm, Mon-Sat; 1 - 4:45 pm Sun; www.phoenix.gov/parks/arts-culture-history/pueblo-grande or 602-495-0901.

Oct. 26 - Aug. 2018. New Exhibit: **Fragments: Broken Bowls Tell More Tales**. Hear the untold stories of pottery sherds and follow their clues to discover what these pieces of the past can reveal. Find out how archaeologists rediscover history from pieces of pottery.



WESTERN SPIRIT: SCOTTSDALE'S MUSEUM OF THE WEST, 3830 N. Marshall Way, Scottsdale, 480-686-9539

Sept. 16 onward. New Exhibit: **Canvas of Clay: Hopi Pottery Masterworks from The Allan and Judith Cooke Collection** features more than 65 of the finest examples of Hopi pottery, on exhibit for the first time. Spanning six centuries, the exhibition explores the history and stylistic traditions of the Hopi, who have excelled in the creation of ceramics for generations. Among the historic and contemporary masterworks are 18 ceramics by Nampeyo of Hano, the most famous of the Hopi potters. Twenty-two other master potters are also represented in the exhibition, including Nampeyo's daughters and other descendants.



Birds of Summer Jar, by Karen Abeita (Hopi/Isleta Pueblo, b. 1960)

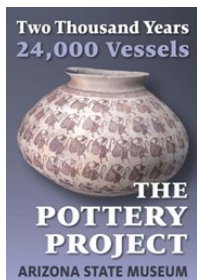
ARIZONA STATE MUSEUM, 1013 East University Boulevard, Tucson, Az., 10 am - 5 pm, Mon-Sat. www.statemuseum.arizona.edu or 520-621-6302.

Now - Aug. 4, 2022. New Exhibit: **Woven Through Time: American Treasures of Native Basketry and Fiber Art**. This exhibit celebrates the region's ancient and abiding fiber-weaving traditions by featuring millennia-old objects to modern-day masterpieces. Contemporary Native voices enrich discussions of materials and technologies and bring to life the many functions basketry has served and continues to serve. With more than 35,000 specimens, the ASM collection includes not only baskets, but sandals, mats, cradleboards, cordage, and other technologically similar items representative of every indigenous basket-making culture in North America, dating from 8,000 years ago to the present. It is the largest and most comprehensive collection of its kind in the world.

Now - Jan. 31, 2018, **Picture This: Basketry in Native American Life**. Eleven paintings highlight the role of basketry in Native American daily and ceremonial life. Works on display are from ASM's Avery Collection of American Indian Paintings, and from recent acquisitions. This exhibit is a complement to **Woven Through Time: American Treasures of Native Basketry and Fiber Art**.



The Friendship Dance, by Michael Chiago Sr., Acrylic on paper, 2006, Gift of Stacey Booth, 2015 (ASM #2015-509-1)



Now - March 4, 2020, **Two Thousand Years, 24,000 Vessels: The Pottery Project**. Explore the art of the Native potter and the science of the archaeologist as Arizona State Museum celebrates 2,000 years of pottery-making traditions in the Southwest. This exhibit includes video interviews with archaeologists, native potters, and hands-on experiences. At 24,000+ whole vessels, ASM's collection of Southwest Indian pottery is the world's largest and most comprehensive.

CHAPTER NEWS



Desert Foothills Chapter

October Meeting: Aaron Wright, PhD, from Archaeology Southwest, will present *The Western Range of the Red-on-Buff Culture, Redux*. Prehistoric Southwestern Arizona is the interface between Patayan and Hohokam material culture and settlement patterns representing, presumably, the ways-of-life tied to each of those traditions. Still, the western frontier of the Hohokam World remains little studied and therefore poorly defined. This presentation reviews the history of research on this topic, revisiting the development and eventual demise of primary Hohokam villages along the lower Gila River. In contemporary perspective, this historical trajectory raises important questions about ethnic diversity, co-residence, and conflict.

September Meeting: May and September are historically our lowest months for attendance at Desert Foothills as people are either leaving early for vacation or getting back late from vacation. This month Todd Bostwick, PhD, RPA presented *Interpreting the Nazca Lines: Enigmatic Images of the Peruvian Desert*. The mysterious lines and figures sketched on the desert floor of southern Peru, one of the most arid regions of the world, have long intrigued archaeologists and explorers. Various theories have been proposed concerning the origins and purposes of these geoglyphs, from wild speculation that they served as runways for alien spaceships to more believable but nonetheless controversial ideas that they are related to ancient astronomy. This talk provided a detailed examination of the culture which created the geoglyphs, showed aerial photographs of the more famous geoglyphs, and discussed the various researchers who worked in Nazca and the results of their studies. Studies demonstrated that the Nazca people developed an ingenious underground water system that allowed them to survive in the harsh desert environment, and excavations revealed a ceramic tradition that incorporated colorful and bizarre scenes painted on their vessels. Todd took time to share many cultural and artifact items to enhance this presentation. The talk was one of our biggest hits in one of our more challenging months, with a crowd in the neighborhood of 100. The talk was engaging and time flew by with no one getting restless. They had many questions for Todd at the end of the presentation.

Chapter Web News: The AAS website (www.azarchsoc.wildapricot.org) features a “Members-Only” page with features only available to members. (Instructions for access to this section are on the AAS Home Page and DFC Chapter Page.) Please check www.azarchsoc.wildapircot.org/desertfoothills for evolving Chapter news and updates. If you are gone for the summer, taking a vacation, or unable to attend meetings, this is an excellent information source. Also drop by and look at the new slide show added just below “Upcoming Events” featuring photos from the prior year’s activities.

Classes, Workshops, and Expanded Field Trips: Mary Kearney (maryk92@aol.com) is the primary contact for classes and workshops and the only place to sign up or get more information. Classes and workshops are open to AAS members only and DFC members have priority. There is “no” registration on the day of the activity and “no” preregistration for any activity prior to its formal announcement.

Oct. 14th Workshop: Saturday - join experimental archaeologist Zack Curcija as he transforms a Yucca leaf into cordage. In this workshop, you will learn how to process a whole Yucca leaf to extract the fibers and spin 2-ply cordage using hand-thigh-spinning techniques. DFC members have priority. The cost is \$35 per member with a limit of 12 members. Current Status is waitlist only.

Oct. 19-20 Extended Field Trip: Thursday and Friday, Oct. 19th and 20th, we are planning a two-day trip to tour the Petrified Forest with Dr. Arron Wright. For most participants, this means an overnight stay in the general area on Wednesday, Oct. 18th. There are many trails/sites and petroglyphs to see within the park. This trip is a hiking/walking tour outdoors; please be in good hiking condition and be prepared for the outdoor conditions (could be hot/cold/rain/??). Pack a lunch, snacks, water, etc. for both days. DFC members have priority. The cost is \$60 per member with a limit of 10 members. Current Status is waitlist only.

Oct. 25th Workshop: Wednesday evening join Albert Abril for a “beginning” basket-making class. Albert is using a twining method with rattan reed. Baskets, though often used for decoration today, have for thousands

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of years served as useful containers, custom-made for the task at hand. DFC members have priority. The cost is \$40 per member with a limit of 12 members.

Nov. 17th Workshop: Archaeologist David Bustoz presents *The Wallace Ceramic Method* pioneered by Henry Wallace to temporally characterize Rincon Red-on-Brown, a Sacaton Phase Tucson brownware. Since then, the method has been revamped to apply to Middle Gila Buffware. The method is a systematic way of assigning temporal affiliation to Middle Gila Red-on-buff ceramics by using presence/absence of particular time sensitive motifs. This method is a living system with refinements having been made to the system by various researchers, including Wallace himself, as well as Dr. Dave Abbott, and Dr. Andrew Lack. In some instances, when applied correctly to potsherds with multiple motifs, the temporal range for the vessel can be narrowed down to a 50-year time period! DFC members have priority. This is a “no cost” event for members only with a limit of 15 members on the evening of Nov. 17th. Current status is waitlist only.

Nov. 25th Workshop: Join instructor Zack Curcija for a one day class on making shell pendants. In this workshop, the participants will shape and perforate pendants made from *Laevicardium* shell to make Hohokam-inspired pendants using the same tools and manufacturing processes available to Hohokam artists. This is a hands-on participation class. DFC members have priority. The cost is \$40 per member with a limit of 12 members. Current status is waitlist only.

Dec. 13th Holiday Party: The DFC annual Holiday Party will be on Dec. 13th this year. Our wonderful Joan Young and team are putting together another great party. More details later...

--Roger Kearney



Little Colorado River Chapter

October Meeting: Doug Wolfe, Paleontologist, will be the speaker for our Oct. 23rd meeting, presenting *Legend of the Zuni Plateau*. This will be a PowerPoint presentation discussing the discovery of dinosaurs, the myths and legends from Native American prehistoric times to the Korean War hero's lost and found cowboy's ring. Wolfe's training in micropaleontology and biostratigraphy led him to the Zuni Basin along the Arizona/New Mexico border. He has recovered a few hundred bones over several years from the Zuni Basin, mostly from *Zuniceratops*, the oldest 'horned' dinosaur in North America.

Doug Wolfe is an expert in the Geologic History and Natural Resources of the southwestern US, with over 25 years presenting leading-edge topics to educators, professionals and the public. He earned his Bachelors and Master's degrees in Geology from the University of Colorado, and was an instructor at the University of Nebraska while pursuing his doctorate research. He has either produced or presented in dozens of interactive educational television shows, Discovery Channel features, and other documentary formats and made keynote presentations to educational and scientific professionals. His research into the geologic history of the southern Colorado Plateau has been the subject of international media interest due to the discovery of several new species of dinosaurs unique to the rocks of the greater White Mountain vicinity.

At present he is teaching an Undergraduate Paleontology course at Northland Pioneer College. He and his wife Hazel work very closely with the Round Valley Boys and Girls Club, operate the White Mountain Dinosaur Exploration Center in Springerville, and routinely partner with university field teams recovering fossils in the region. He has also worked as an environmental consultant. He is planning to explore major dinosaur fossil sites in China, Mongolia, and Russia during the summer of 2018, with his findings to be published in a future textbook by Indiana University Press.

Update on Casa Malpais Ruins: Over the summer months several volunteers under the guidance of Doug Gann completed re-stabilization of some of the ruin's walls. Additional work will continue over the next couple of months and possibly into next year. More volunteers are needed; if interested please contact our Chapter.

Future Events: In November we plan to have a field trip and our annual Christmas party will be held on Dec. 10th at the home of Beverly Dishong-Smith and Carl Smith in Eagar.

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This month's event is scheduled on the 4th Monday instead of the 3rd Monday of the month to accommodate the speaker. Our events are held at the Udall-Johnson room of the Springerville Heritage Center in Springerville. If you have any questions regarding this month's event please contact: Beverly Dishong-Smith, LCRC Secretary at 520-730-1871, bev.redsun@gmail.com. Meet the speaker at Safire's at 5 pm, dinner on your own; 6:30 pm General Membership Meeting; Presentation starts at 7 pm.

--Bev Dishong-Smith



Northern Arizona Chapter

At the latest meeting of the Native Plant Society the speaker, Dr. Paul Minnis, Professor of Anthropology Emeritus at The University of Oklahoma, talked about bio-diversity and human relationships with plants. The NAAS was invited to attend since the topic was of interest to all. Much of the talk revolved around the archeological record and what it could tell us about prehistoric environments, cultivation, domestication, and the interaction necessary between humans and the plants they depended on for survival.

Zea mays was developed from the ancestral Teosinte and has dozens, if not hundreds, of distinct varieties, each adapted to a certain eco-system or microclimate. It was emphasized that if that happened once, it could happen again, especially if Monsanto #1 and #2 prove to be dead ends and we run out of taco chips. Seed banks exist for that very reason.

Many of the major food crops that 8 billion people depend on were derived from the grass family (corn, rice, wheat, oats, barley, etc.). These were all wild grasses that were selected for some particular trait present in the wild genome. A bigger seed was obviously better; a naked seed was easier to process. Drought tolerance, insect resistance, shorter, taller, these characteristics were all present in the ancestral genome, and someone, somewhere was observant enough to note that. They were also aware that you didn't eat the best but saved the seed for next season. Who could resist the fattest, sweetest, and juiciest tomato on the vine? That one would be better saved for next season unless it's been hybridized to virtual extinction. Try saving the seed from Monsanto #1 for planting next season. The result will be instructive.

In the southwest the story of agave is being written. From the ancestral Agave to the Yavapai and Hohokam cultivars, the story is one of extreme patience with each generation taking twenty or more years. Grass is so much easier when generations take only a year.

In the archeological record float and pollen samples chronicle this human endeavor, this striving for a better future. And all without knowing what a genome was! Examples were presented that spanned the globe. So common were they through time and culture that one gets the impression that the American Dream of a better future is really universal.

--Walter George



Phoenix Chapter

October Meeting: The speaker for our Oct. 10th meeting will be Aaron Wright, Ph.D., Preservation Archaeologist for Archaeology Southwest (ASW), Tucson, who will be talking about his research on *The Bouse Walk-In Well*. In 1929, a young Frank Midvale, working for the Gila Pueblo Foundation, recorded a "hollow mound" near the village of Bouse as the westernmost Hohokam village. Visited shortly thereafter by Malcolm Rogers and partially excavated in 1952 by Michael Harner, this hollow mound was discovered to be a massive, prehispanic walk-in well dug entirely into bedrock. Rather than being a Hohokam site, the well and surrounding habitation area can be attributed to the Patayan tradition, and dates to the AD 700 to 1250 period. Aaron will review the history of the Bouse Site and outline his ongoing research, including a paleohydrological investigation of the well's operation and a refinement of the Patayan ceramic chronology based on the well's stratified deposits.

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Dr. Wright's research is currently focused on the Hohokam and Patayan traditions across southwestern Arizona. He is specifically interested in the cultural landscape of the lower Gila River, which is renowned for a unique mixture of Patayan and Hohokam settlements, dense galleries of world-class rock art, and numerous enigmatic geoglyphs. He is the lead researcher on ASW's long-term goal of establishing permanent protection for the Great Bend of the Gila. In that effort, he has collaborated on a cultural resource study of the area's significance, as well as a cultural affiliation study outlining the ethnohistory and contemporary tribal connections to this remarkable landscape. He is also author of the award-winning *Religion on the Rocks: Hohokam Rock Art, Ritual Practice, and Social Transformation* (University of Utah Press, 2014). Aaron earned his B.A. from The Ohio State University (1999) and M.A. (2006) and his Ph.D. (2011) from Washington State University.

September Meeting: The speakers for our Sept. 12th meeting were Steve Swanson, Cultural Resources Director, and Andrew Vorsanger, Archaeologist, from the Environmental Planning Group (EPG); their topic was *Footprints of the Ancestors: A 1,000-Year-Old Hohokam Trackway in the La Plaza Site, Tempe, Arizona*. In 2016, while archaeologists from EPG were conducting excavations at a portion of the La Plaza site east of the ASU campus in Tempe, they uncovered a series of footprints along the edge of a large canal in association with Hohokam sherds dating to approximately AD 1000. The footprints appeared to be a short segment (about 4 feet long) of a prehistoric trackway segment associated with the canal. Preservation of the trackway was a lucky combination of natural processes which buried the trackway and subsequent urban development which sealed the trackway until excavation in 2016. The O'odham felt that it provided a visual and tactile link to their ancestors. After determining that the proposed construction at the site would obliterate the footprints, and in consultation with O'odham representatives, they decided to attempt to remove the segment in toto. They described the methods used to preserve and successfully extract the trackway intact for subsequent display, the prehistoric context of the features surrounding the trackway and its placement in the immense La Plaza site. They brought the prehistoric trackway with them and set it up in the back of the room along with a photograph of the same size on which the various features in the trackway were identified.

Upcoming Events:

Oct. 5: SWAT meeting, Arizona Museum of Natural History theater, Mesa.

Oct. 6: AAC Conference at Moose Lodge in Star Valley.

Oct. 28: AAS State Board of Directors Meeting at PGM with catered lunch, silent auction and book sale.

Nov. 7: Archaeology Cafe, Changing Hands, Phoenix), Todd Bostwick, *Archaeology Under the Freeways*.

Upcoming State Meeting at PGM:

We will be having a Silent Auction at the upcoming State Meeting on Oct. 28th at PGM. Please bring any items you wish to donate to our October meeting.

Fall Meeting Schedule:

Nov. 14 Steve Hoza, SRPMIC, Arizona's Greatest Battle. The Battle of Maricopa Wells between the O'odham and their Piipaash allies against the Mohaves is believed to have been the largest battle ever fought in Arizona. Replicas of the weapons used by both groups will be available for viewing and handling.

Dec. 12 Matt Guebard, NPS, Tuzigoot and Montezuma Castle

Jan. 9 Chris Garraty, ASU, Relocating the Platform Mound at La Plaza: Recent Archaeological Investigations on ASU's Tempe Campus

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 will 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 (480-827-8070 or mbrit@cox.net) so that she can reserve a large enough table.

--Ellie Large

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Rim Country Chapter

September Meeting: We welcomed Fall with guest speaker Jerry Ehrhardt from the Verde Valley Chapter, who spoke about not only the General Crook Trail but how early rough transport routes were established. Thank you Jerry!!

Following our Saturday meeting we met at Speaker Coordinator Evelyn Christian's Home for a potluck dinner with 31 people attending. Albert Hunt, local Strawberry resident, prepared delicious pulled pork as our entrée and many wonderful potluck items made the meal complete. Ed Spicer, Field Trip Coordinator, brought his atlatls to add interest in early hunting weaponry use.

October Meeting: Scott Wood, our Rim Country Professional Archaeologist who worked for Tonto National Forest for 40 years, will be the featured speaker at our Oct. 21st meeting. He will be speaking about ***Goat Camp Ruin: The First Decade*** in association with the Town of Payson where he leads a team of volunteers from our Chapter and other Chapters in excavation and lab work. Gene Sampson, one of our members, will also present a short slide show on progress at Goat Camp.

Scott is constantly involved in the preservation and interpretation of cultural resources in Arizona. He helped found the Arizona Site Steward Program and promotes the importance of incorporating citizen scientists in archaeological research.

We meet at 10 am on the third Saturday of the month at the Church of the Holy Nativity Fellowship Hall, 1414 N. Easy St., Payson. Please come and bring your friends!!

--Evelyn Christian



San Tan Chapter

October Meeting: Our Oct. 11th meeting will feature Hugh Grinnell, an Arizona Humanities speaker, who will present ***The Explorations and Discoveries of George Bird Grinnell, The Father of Glacier National Park***. (Partial funding for the speaker was provided by the Arizona Humanities and a legislative grant from the National Endowment for the Humanities.) The great West that George Bird Grinnell first encountered in 1870 as a 21-year-old man disappeared before his eyes in a very short amount of time. Nobody was quicker to sense the desecration or more eloquent in crusading against the poachers, hide hunters, and a disengaged U.S. Congress than George Bird Grinnell, the ***Father of American Conservation***.

Mr. Hugh Grinnell, a distant cousin of George Bird Grinnell, will impersonate his cousin in period costume using his cousin's own words as taken from correspondence, field journals from his expeditions, memoirs, and articles published as the Editor of the Forest and Stream sportsmen's journal. The program is augmented with dozens of photographs from the 19th and early 20th Centuries, and contains voices from a dozen famous historical figures.

Hugh lives in Tucson, and received his bachelors and masters degrees from the University of Arizona. Since his retirement in 2004, he has studied the history of The Great American West. After discovering an old Great Northern Railway passenger car named the ***Grinnell Glacier***, he researched the name to discover that the glacier was named to honor the efforts of George Bird Grinnell to preserve the area. Purchasing two books about his cousin on eBay, Hugh began many years of research to learn about the legacy of ***The Man Called Bird***. As a member of the Great Northern Railway Historical Society, Hugh was invited to present this story to the attendees at their 2010 Annual Convention in Glacier National Park on the 100th Anniversary of the creation of the Park. The Great Northern Railway Historical Society has published several historical articles written by Hugh about the railroad.

September Meeting: Everyone was spellbound as Charles Adams, Ph.D., talked about early man in the landscape near Rock Art Ranch, located just south and east of Winslow. The owner of the ranch allowed Dr. Adams and his field school students to work for over six years in this area. Dr. Adams walked us through the habitation periods

at the various excavation sites at Rock Art Ranch and Chevelon Canyon. He focused on the extensive petroglyphs and how the canyon was able to sustain life and crops. He also showed projectile points dating back to the Clovis period and explained how the points changed depending on material, technology and use. A very interesting presentation and a fun evening.

The San Tan Chapter meetings are held at the San Tan Historical Society Museum at 20425 S Old Ellsworth Rd in Queen Creek (on the corners of Queen Creek Rd and Ellsworth Loop Rd.) Parking is behind the museum. Go east on Queen Creek road and another sharp right into the rear parking lot. Presentations start at 7 pm and are free and open to the public. Dinner with the speaker is at 5:30 pm prior to the meeting. For more information, contact Marie Britton at 480-390-3491 mbrit@cox.net or Earla Cochran at 489-655-6733

For more information, please call Marie Britton at mbrit@cox.net or phone 480-390-3491

--Marie Britton



Verde Valley Chapter

October Meeting: Our next monthly meeting will be held at 7 pm on Thursday, Oct. 26th in the Community Room at the Sedona public Library, 3250 White Bear Road, Sedona. We are extremely fortunate to have Dr. Nadine G. Barlow, Professor in the Department of Physics and Astronomy at Northern Arizona University, as our speaker. She will present *The Search for Water on Mars*.

Liquid water cannot currently exist on the Martian surface because of the low atmospheric pressure and low temperatures. However, geologic, atmospheric, and mineralogical information suggests that water has flowed across the planet's surface in the past. Understanding when this water was present, how extensive it was, and what has happened to it is the focus of NASA's Mars Exploration Program. Identifying the current distribution of water reservoirs is of importance to understanding whether Martian life could ever have arisen and whether Martian life forms exist at the present time. These reservoirs also will serve as necessary resources to future human exploration of the planet. This presentation will discuss our current understanding of the distribution of water on Mars, both in time and location, as revealed by recent spacecraft and rover investigations.

Nadine Barlow became interested in astronomy during a 5th grade field trip to a local planetarium. She began her career in astronomy at Palomar Community College in San Marcos, CA, and received both her Bachelor of Science degree (Astronomy with a joint minor in Geology and Chemistry) and her PhD (Planetary Sciences with a minor in Geophysics) from the University of Arizona. She was a post-doctoral fellow at the Lunar and Planetary Institute in Houston, TX, a National Research Council Fellow at NASA Johnson Space Center in Houston, and an assistant professor of astronomy at the University of Central Florida in Orlando, where she also served as the first Director of the UCF Robinson Observatory. She joined the Department of Physics and Astronomy at Northern Arizona University (NAU) in August, 2002, and is now a Professor in the department. She is Director of the NAU/NASA Space Grant Program and an Associate Director of the Arizona Space Grant Consortium. She also serves as Associate Chair for the NAU Department of Physics and Astronomy.

Dr. Barlow's contributions have been recognized in Who's Who in Science and Engineering, Who's Who of American Women, and Who's Who in the World. She was named the American Association of University Women Texas Woman of the Year in 1992, received the University Excellence in Undergraduate Teaching Award from the University of Central Florida in 2002, was named Palomar College Alumna of the Year in 2003, and received the NAU Research and Creative Activity Award for Most Effective Research Mentor in 2011. Asteroid 15466 Barlow is named in honor of her contributions to the field of planetary science.

Please join us this month for this fascinating program. Admission is free. For additional information or questions, contact: Nancy Bihler 928-203-5822.

Nancy Bihler



Yavapai Chapter

September Meeting: The speaker for our Sept. 21st meeting was Dennis Gilpin; his topic was *The Cavates of Cosmos Mindeleff: Smithsonian Architects Victor and Cosmos Mindeleff and the Study of Pueblo Architecture, 1881-1900*. It was an extremely interesting account of what led up to the publication in 1891 of Victor Mindeleff's famous book, *A Study of Pueblo Architecture in Tusayan and Cibola* (that is, Hopi and Zuni).

Fall Field Trip: Our fall multi-day trip will be underway about the time this copy of the Petroglyph meets your screen. There will be a complete report in the next issue.

Education: Warner Wise is working with a third grade teacher in Chino Valley to schedule a visit to the Willow Lake Pit House project in late October. The State of Arizona standards for third grade include three pertinent objectives: 1). Describe science-related career opportunities. 2). Recognize how archaeological research adds to our understanding of the past. 3). Describe ways humans use earth materials (e.g.: fuel, building materials, growing food.).

Photo Gallery and Website: The current exhibit in the Photo Gallery on the Yavapai Chapter web page includes photos by Eileen Chalfoun of Magna Graecia sites including Paestum, Reggio de Calabria, Agrigento, Ortygia, and Segesta. These sites are in southern Italy and on the island of Sicily. This exhibit will run through Oct. 12th to be followed by Debra Comeau's photos which will introduce us to Sege Canyon, Barrier Canyon, and the Fremont Culture. Our web page is: azarchsoc.org/Yavapai

Upcoming Events:

- Next Board Meeting is Oct. 9th at 12:30 pm in the Pueblo.
 - The next general meeting of the membership is Oct. 19th at 6:30 pm in the Pueblo.
 - Our guest speaker at the Oct. 19th meeting will be Scott Kwiatkowski who will speak on *The Prescott Culture Phase Sequence*.
- Charles Stroh

DATES TO SAVE IN 2018

Jan. 5-7, 2018: *16th Biennial Southwest Symposium* hosted by the Denver Museum of Nature and Science.

March 10, 2018, 9 am – 3 pm: *Ancient Technology Day* at Pueblo Grande Museum. Access to event included with regular museum admission. Children under 17 free. (www.pueblogrande.org/events/ancient-technology-day/)

March 10, 2018, 10 am - 4 pm: *Arizona Archaeology Expo* hosted by the Arizona Museum of Natural History in Mesa. Free.

April 11-15, 2018: *Society for American Archaeology 83rd Annual Meeting* will be held at Washington Marriott Wardman Park, 2660 Woodley Road NW, Washington, DC 20008. (saa.org)

June 1-4, 2018, *45th Annual ARARA Conference*, Double Tree Hotel, Grand Junction, Colorado. (www.arara.org/conference.html)

June 6-8, 2018: *2018 AZ Historic Preservation Conference*, Hotel Valley Ho - Scottsdale, Arizona. Registration will begin in January 2018 with early registration discounts. (www.azpreservation.com)

UPCOMING EVENTS

GUIDE TO ABBREVIATIONS

AAC	Arizona Archaeological Council, www.arizonaarchaeologicalcouncil.org
AAHS	Az Arch & Hist Soc., Tucson; UA's Duval Auditorium, 1500 N Campbell Blvd, Tucson; www.az-arch-and-hist.org .
AIA	Archaeological Institute of America, UA,, aiatucson.arizona.edu/
AIACAS	Archaeological Institute of America, Central Az Chapter; aiacentralarizonasociety.wordpress.com/
ASW	Archaeology Southwest, 300 N. Ash Alley, Tucson; 520-882-6946; www.archaeologysouthwest.org
HSP	Homolovi State Park, AZ-87, Winslow; www.azstateparks.com/homolovi ; 928-289-4106
PGM	Pueblo Grande Museum, 4619 E. Washington St., Phoenix; www.pueblogrande.com ; 602-495-0901
VVAC	Verde Valley Arch'l Center, 385 S. Main Street, Camp Verde; www.verdevalleyarchaeology.org ; 928-567-0066

Oct. 1, 2 pm, Red Rock State Park, Sedona, Talk: ***From Sun Rise to Meteor Falls: Cultural Astronomy of the Prehistoric Southwest*** with Ken Zoll. Cost included with regular park entrance fees; seating is limited so call ahead to reserve your seats in the theater. 928-282-6907.

Oct. 3, 6 pm, ASW Archaeology Cafe, Tucson, Talk: ***4,000 Years Ago: Early Agriculture in the Tucson Basin*** by James Vint. At The Loft Cinema, 3233 E. Speedway Blvd. The Archaeology Café is free. Guests are encouraged to purchase their own refreshments from The Loft's impressive concession bar. Programs begin at 6 pm in Theatre 3. Seating is open and unreserved, with plenty of space for 98 guests. The Loft has plenty of free parking!

Oct. 4, 6:30 pm, PGMA, Phoenix, Talk: ***A Boot in the Door: Pioneer Women Archaeologists of Arizona*** by Dr. Nancy Parezo, Professor of American Indian Studies and Anthropology at the University of Arizona.

Oct. 6, 8 am - 5 pm, AAC, Star Valley, **AAC Fall Conference: *Occupation of the Hinterlands***. On Saturday, Oct. 7, 9 - 10 am, Scott Wood will give a tour of ongoing investigations at Goat Camp Ruin, a 25+ room pueblo in Payson.

Oct. 7, 10 - 11:30 am, HSP, Winslow, Talk and Demonstration: ***Discussion and demonstration of traditional Hopi pottery*** by Park Ranger and Hopi Potter Gwen Setalla. She will explain how traditional pottery is made and talk about how to recognize authentic made pottery. At the park's visitor center. Day use fee of \$7 required.

Oct. 8, 14, 22, 28, HSP, Winslow, Tours: ***Ranger Guided Tour of Homolovi IV***. 10 am to 1 pm; tours begin at the Visitor Center and are limited to 15. Call the park at 928-289-4106 to reserve your spot. \$7 day use fee per car (up to 4 adults).

Oct. 10, 6:30 pm, VVAC, Camp Verde, Talk: ***The Legend of Everett Ruess*** by Robert Louis DeMayo. At the Lodge at Cliff Castle, 333 Middle Verde Road, Camp Verde.

Oct. 12, 6 pm, AIACAS, Tempe, Lecture: The ***Pericles Cup: New Archaeological Evidence for Athens' Most Famous General?*** by Matt Simonton, Assistant Professor at the New College of Interdisciplinary Arts and Sciences at ASU. He holds a doctorate in Classics and has published on politics, memory, and material culture in ancient Greece. In Discovery Hall Room 150.

Oct. 13, Noon - 1 pm, PGM, Lunchtime Lecture: ***Water Works: Settling the Salt River Valley*** by Dr. Todd Bostwick, Director of Archaeology, Verde Valley Archaeological Center. Free.

Oct. 14, 9-10 am, PGM, Phoenix, Hike: ***Petroglyph Discovery Hike # 20277***. Bring the whole family for a quick 1-mile, 1-hour guided Hohokam petroglyph discovery hike at South Mountain Park. Perfect for all ages and busy schedules. Space is limited. Registration required by Oct. 12. Cost is \$5; Discounts for PGMA Members.

Oct. 16, 7:30 pm, AAHS, Tucson, Talk: ***The Myth of Tucson*** by Robert Vint. Essay on Tucson, a place with deep roots in pre-contact Native American culture, followed by Spanish colonization and Anglo-American consumer-capitalism.

Oct. 17, 5:30 pm, AIA, Tucson, Lecture: ***Elite settlement in Gaelic Ireland, 1169-1350 AD***, by Kieran O'Connor, Senior Lecturer, National University of Ireland. In Saguaro Hall 202, UA Campus.

Oct. 19, 10-10:45 am, PGM, Phoenix, Tour: with collections staff. \$5 tour fee in addition to Museum admission; discounts for PGMA members. Sign up at the front desk.

Oct. 20, Noon - 1 pm, PGM, Lunchtime Lecture: ***Water Works: Settling the Salt River Valley***. Lecture on historic irrigation in Phoenix by Salt River Project historian Leah Harrison. Free.

Oct. 27, 10-11 am, PGM, Phoenix, Tour: ***Guided Tour of the Park of the Four Waters*** takes you through undeveloped, natural desert to the ruins of some of the ancient Hohokam canal headworks along the Salt River. \$5 in addition to general admission; discounts for PGMA members.

Oct. 29, 9 am - Noon, HSP, Winslow, Petroglyph Tour: ***Park Ranger guided tour of Homolovi's petroglyph sites***. Must have your own vehicle. Be prepared for weather; bring plenty of water. Approx. 1.5 miles of walking on uneven terrain. Make reservations in advance at 928-289-4106 or contact Kenn Evans by email at kke2@azstateparks.gov. \$7 day use-fee.



Fielder Fund: Your Chance to Support AAS Publications

The Fielder Fund was created by the Society in 1996 to inform the public about American Southwest history, archaeology, and anthropology through the support of publications and other media. The goal is to build a fund large enough that its annual interest can pay for publication of *The Arizona Archaeologist* and other publications. The name honors the Society's first publications team, Marje and Herb Fielder.

The usual **Thank You** to William Henry for his \$50 monthly donation.

Balance: \$50,526.00

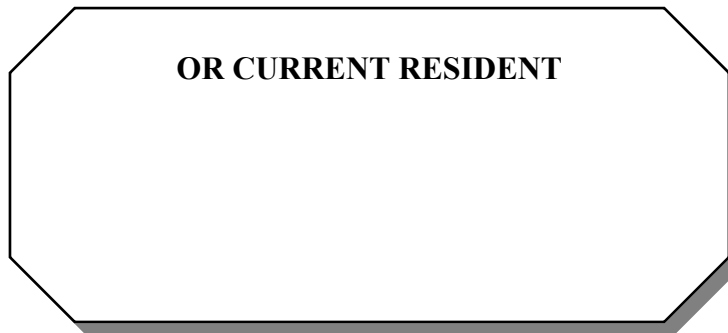
To contribute or for more information, contact our AAS treasurer: Bob Unferth, 2007 E. Northview Avenue, Phoenix, AZ 85020-5660 or email bobunf@cox.net. Please include your chapter affiliation.

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	Sheri Anderson 928-536-2375
Northern Arizona	The Peaks "Alpine Room" 3150 N. Winding Brook Road Flagstaff	3 rd Tues., 7 pm Sept. thru Nov., Jan. thru June	Evelyn Billo 928-526-3625
Phoenix	Pueblo Grande Museum 4619 E. Washington, Phoenix	2 nd Tues., 7 pm Sept. thru May	Nancy Unferth 602-371-1165
Rim Country	Church of the Holy Nativity, The Cottage 1414 North Easy Street, Payson	3 rd Sat., 10 am	Carolyn Walter 928-474-4419
San Tan	San Tan Historical Society Museum Ellsworth & Queen Creek Roads Queen Creek	2 nd Wed., 7 pm Sept. thru May	Marie Britton 480-827-8070
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.	Terrilyn Green 928-567-7116
Yavapai	Pueblo of the Smoki Museum 147 North Arizona St., Prescott	3 rd Thurs., 6:30 pm Sept. thru Nov. Jan. thru June.	Debra Comeau 928-237-5120



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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

PUBLICATIONS

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