

# THE PETROGLYPH

## Newsletter of the Arizona Archaeological Society

Volume 48, Number 1

[www.AzArchSoc.org](http://www.AzArchSoc.org)

Sept 2011

### Register NOW to attend the 2011 ANNUAL STATE MEETING October 14-16, Benson, Arizona

The cut-off date for registration is Oct. 6. See the schedule, lodging, and field trip information on pages 3 and 4 of the May Petroglyph. The dinner menu and registration form is on page 3 of the June Petroglyph, or you can print it from the AAS web site at <http://www.azarchsoc.org/annualmeeting>.

Remember to bring your items for the Silent Auction - southwest theme art and craft items, native-made jewelry, and books, particularly those about archaeology and southwest history. Please download the Silent Auction Form from the Annual Meeting page and bring it with the item to Saturday's registration. Be sure to include the minimum bid.

Hope to see you all there.

Ron Robinson, Chair

### Nominees for 2012 AAS State Officers

The nominees for the 2012 State Officers are:

President: Paddi Mozilo

2nd VP: Fred Kraps

1st VP: Mary Kearney

Treasurer: Judy Rounds

Secretary: Phyllis Smith

Glenda Simmons, Chair, Nominating Committee

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Next deadline is noon on  
**Saturday, Sept. 18th**

### Video on Hohokam Archaeology on Youtube.

Earlier in the year, the AAS collaborated with the Museum of Northern Arizona to obtain a grant from the Arizona Humanities Council for the publication of a video taken during a seminar on Hohokam Archaeology. Presentations by Dr. David Wilcox and others were videotaped and are now available on Youtube. You can view them at [www.youtube.com/hohokamarchaeology](http://www.youtube.com/hohokamarchaeology).

Ron Robinson, Chair

UPCOMING EVENTS

GUIDE TO LOCATIONS

AAHS	Arizona Archaeological and Historical Society. Meets in Duval Auditorium, Univ. Medical Center, 1501 N. Campbell Avenue, north of Speedway ( <a href="http://www.statemuseum.arizona.edu/aahs/lectures.shtml">www.statemuseum.arizona.edu/aahs/lectures.shtml</a> ).
ASU	ASU Main Campus, Tempe, Anthropology Building, Room 340
DVRAC	Deer Valley Rock Art Center, 3711 W. Deer Valley Rd, Phoenix 623-582-8007, <a href="http://dvrac.asu.edu">dvrac.asu.edu</a> .
IHO	Institute for Human Origins, ASU, Tempe, 727-6580, <a href="http://iho.asu.edu">iho.asu.edu</a> .
OPAC	Old Pueblo Archaeology Center, 2201 W. 44th Street, Tucson, 520-798-1201, <a href="http://www.oldpueblo.org">www.oldpueblo.org</a> .
MNA	3101 N. Ft. Valley Rd., Flagstaff, 928-774-5213, <a href="http://www.musnaz.org/">www.musnaz.org/</a> ,
PGM	Pueblo Grande Museum, 4619 E. Washington St., Phoenix 602-495-090, <a href="http://www.pueblogrande.com">www.pueblogrande.com</a> .
PGMA	Pueblo Grande Museum Auxiliary, <a href="http://www.pueblogrande.org">www.pueblogrande.org</a> .

Sept. 7, 3–3:45 pm, ASM, Tucson: *Coffee with the Curators*. Enjoy a cup of coffee and informal conversation with Mike Jacobs, ASM archaeological collections curator, who will talk about research conducted on the museum’s various archaeological collections, highlighting several noteworthy projects over the years Free, ASM lobby.

Sept. 7, 7:30 pm, PGM, Phoenix, PGMA Lecture: **TBA**

Sept. 8, 7pm, ASU SHESC, Tempe, Museum Exhibit Opening: *Becoming Human: 30 Years of Research and Discovery*. Celebrate the 30th anniversary of the ASU Institute of Human Origins. Light refreshments will be available. The exhibit will run through Dec. 16.

Sept. 15, OPAC, Tucson: OPAC’s 3rd Thursday Food for Thought: *The Ballcourt Society and the Ritual Creation of Hohokam Culture* with archaeologist Henry D. Wallace.

Sept. 17, 9-11 am, DVRAC, Phoenix, Orientation: *New Volunteer Orientation*. The Deer Valley Rock Art Center, an archaeology museum located in northwest Phoenix, invites you to learn about Phoenix’s most spectacular rock art site and explore many opportunities to meet new people, share your talents and engage your community in the preservation of the past.



Volunteering at Deer Valley Rock Art Center

Sept. 17, OPAC, Tucson, Class: *Cultural Resources Survey Techniques and Practice*, a 60-hr class at OPAC, Tucson, and at field-work areas within 70 miles of Tucson. Also on Oct. 22, Nov. 19, Dec. 17, 2011 plus 5 Saturdays between Jan. 7 and May 19, 2012.

Sept. 19, 7:30 pm, AAHS, Tucson, Lecture: *Homol’ovi and Beyond*, by E. Charles Adams, ASM, Director of the Homol’ovi Research Program.



Excavations at Homol’ovi

Sept. 23, OPAC guided tour, Tucson: *Guided tour to Los Morteros and Picture Rocks Petroglyphs Fall Equinox Archaeological Sites* with archaeologist Allen Dart; northwest Tucson metro area.

Sept. 23-26, Price, Utah, Conference: *31<sup>st</sup> URARA Symposium*. For details and registration, visit their website: <http://www.utahrockart.org/symposium/index.shtml>

Sept. 24, All Day, ASM, Tucson: *Smithsonian Magazine’s 7th Annual Museum Day*. Free admission for everyone! Museum Day is an annual event, hosted by Smithsonian Media, in which participating museums across the country open their doors for free. Get your free ticket and more information on this program at the <http://microsite.smithsonianmag.com/museumday/>.

Sept. 24–Oct. 1, Travel Tour, ASM, Tucson: *Four Corners Learning Expedition*. Travel with museum archaeologists and explore the culture and beauty of the incomparable Four Corners region for 7-1/2 days. Highlights include the Hopi Mesas, Canyon de Chelly, Chaco Canyon and Mesa Verde, culminating in a trip down the San Juan River, past spectacular rock art and cliff dwellings. See their Travel Tours page at <http://www.statemuseum.arizona.edu/public/tours.shtml> for more information

Oct. 1, OPAC, Tucson, Workshop: *Arrowhead-making and Flintknapping Workshop*, with flintknapper Allen Denoyer.

Oct. 4-Dec. 6, 6:30-8:30 pm, Tuesdays, Tucson, Class: *Prehistory of the Southwest: The Hohokam Culture of Southern Arizona*, with archaeologist Allen Dart, at Old Pueblo Archaeology Center.

## **Perry Mesa Symposium:**

### **Studies of the prehistoric culture of the Perry Mesa area**

**Presented by the Friends of the Agua Fria National Monument**

Saturday, September 10, 2011

Embassy Suites Hotel, I-17 / Greenway Pkwy, Phoenix, AZ

**Program information is available at [PerryMesaSymposium.info](http://PerryMesaSymposium.info)**

This symposium is designed for professional archaeologists, avocational archaeologists, student archaeologists and members of the public who want to learn more about the prehistoric cultures of Perry Mesa and surrounding areas. It will be a day-long opportunity to share and learn from current studies of prehistoric cultures around Perry Mesa, including the Agua Fria National Monument and parts of the Tonto and Prescott National Forests.

The Agua Fria River runs past what we know today as Perry Mesa, a rugged and beautiful landscape tucked between the Sonoran Desert and the Mogollon Rim. For centuries, this has been a place visited, traveled through and lived in by diverse peoples, ranging from Archaic hunter-gatherers to historic tribes. It remains the ancestral home to several Southwestern groups.

Following a great series of presentations, there will be an Expert Panel Discussion comprised of archaeologists experienced in the area including:

- David Wilcox from the Museum of Northern Arizona,
- Scott Wood from Tonto National Forest
- Connie Stone from the Bureau of Land Management
- Peter J. Pillis, Jr., Coconino National Forest

## **Arizona Archaeological Council 2011 Fall Conference, Oct. 28, 2011, Tucson & 69th Annual Plains Anthropological Conference Oct. 26-29, 2011, Tucson**

The 2011 AAC Fall Conference, *From Without and Within: Long-Distance Interactions, Culture Change, and Culture Contact in Arizona*, will take place on Friday, Oct. 28, 2011, at the Arizona Historical Society Museum, Tucson, Arizona. It is being held in conjunction with the 69th Annual Plains Anthropological Conference, which will be held across the street at the Marriott University Park Hotel in Tucson, Oct. 26-29. This is the first time the Plains Conference has been held outside of the Plains. All AAC members who attend the 2011 AAC Fall Conference will also receive free registration to the Plains Conference. For more information about the Plains Conference, please visit <http://www.pac69.com/>.

## CHAPTER NEWS

### Agua Fria Chapter



Greetings and welcome back from a long hot summer! Although the Agua Fria Chapter doesn't meet during the summer months, that doesn't mean our members estivate and ignore the opportunities abounding for our interests. Members were in Idaho attending the annual ARARA Conference and on the North Rim of the Grand Canyon attending the Pecos Conference. We also had a team on the Hualapai Reservation recording the rock art in a canyon in the "land of the tall pines". Members were also busy in labs working with the materials from the Calderwood excavation and busy writing for the Pierpoint Project. At the time of this writing we also have a member volunteering at El Morro National Monument and one volunteering in Yellowstone National Park. The Chapter also did a presentation at the Paradise Valley REI store informing the public on the importance of preserving and protecting our cultural resources, particularly how to ethically visit sites they may come across on their outings.

Several members are busy planning and organizing the upcoming Perry Mesa Symposium sponsored by the Friends of the Agua Fria National Monument to be held on Sept. 10. We hope that many AAS members will attend this very important "meeting of the minds".

The upcoming season promises to be exciting and educational for our members as well as the general public. Remember all AAS members are invited and welcome to all monthly meetings. Please visit our page on the web site as our new Speaker Chair, Vince Waldron, has the entire season booked with a wide range of presentations covering the gamut of historic and prehistoric work and places of interest in our area and beyond. We are looking for opportunities to schedule field trips afar and to places at the far reaches of our state and our neighboring states.

Chapter meetings are still held at the Glendale Public Library at Brown and 59<sup>th</sup> Ave. in Glendale starting at 6 pm. The pre-meeting dinner is held at Applebee's at Peoria and 59<sup>th</sup> Ave. at 4 pm. We fully realize that the early times may present a problem for folks but we are still at the mercy of budget restraints with the city of Glendale closing public buildings early. We appreciate your patience until the economy improves and things get back to "normal". Welcome to the new

AAS 2011-2012 season, and we promise not to "disappear" in December 2012!

--Sandy Haddock



### Desert Foothills Chapter

Welcome back! Summer is finally winding down but our chapter is gearing up for another season of hikes, lectures and workshops. Due to vacation schedules and illnesses, the board did not meet this summer but individual members have come through with many plans for this fall. President Paddi Mozilo's husband Ralph had emergency coronary bypass surgery this summer and, thankfully, he is recuperating nicely at home. More recently, Paddi's horse was bitten on the leg by a rattlesnake. The horse is going to pull through but Paddi says the leg is "not pretty". Vice President Glenda Simmons' husband Ed was also hospitalized this summer. We wish them all a speedy recovery.

This month's speaker will be Zuni historian, Tom R. Kennedy. Tom, who is currently the Director of Tourism for the Zuni Tribe, will be talking about the pueblo of Hawikku, a place he claims is the Plymouth Rock of the West. New World written history began here with the first contact of the Spanish with Native Americans in 1540. Located 15 miles southwest of Zuni, New Mexico, this pueblo of 750 to 1000 inhabitants flourished from 1300 to the 1670's. The title of his talk is, *Hawikku: How the World Turns* and is "a look at the historical, cultural and continuing impacts of the outside on the world of the Zuni people as seen through the ancestral village of Hawikku." If you are ever in the Zuni area, Tom and his wife, Sheri, operate the Cimarron Rose Bed and Breakfast in the Zuni Mountains. Tom's training in anthropology, folklore and museology promise to make his lecture interesting and informative.

Also at this month's meeting, local author and board member of the Agua Fria Chapter, Lori Hines, will be on hand to sign her new book, *The Ancient Ones*. This book is a paranormal mystery featuring petroglyphs, stone monuments and archaeological ruins and has gotten great reviews on Amazon. The price of the book is \$17 which includes tax. She will only be available from 7 to 7:30 pm, so come early, have a snack and meet the author.

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### Classes and Workshops

Both of Doss Powell's classes, *Prehistory of the Southwest* and *Advanced Prehistory*, had to be rescheduled due to conflicts with his schedule at the community college. The *Prehistory of the Southwest* class is now scheduled on Thursday nights, beginning on Jan. 26, 2012. Each course will consist of four 3-hour classes on consecutive Thursday evenings. The advanced prehistory class will immediately follow. Field sessions for each class are yet to be determined. These classes may be taken for AAS certification and cost \$75 each. For more information or to sign up, please contact Mary Kearney at [maryk92@aol.com](mailto:maryk92@aol.com). We apologize for any inconvenience.

*Etched Shells: A Technique Perfected by the Hohokam:* This fun workshop will be taught by Grace Schoonover and is scheduled for Thursday, Oct. 6, with the exact time and place to be determined. You will learn the ancient technique of acid etching a design on a shell, and also learn something about the kinds of shells found in Hohokam archaeology. This 3-4 hour class is only for AAS members and will cost \$15. Detailed information will be in the October Petroglyph and in our email updates.

*Geologic Field Training for Archaeologists:* Learn some of the different rock types encountered on archaeological surveys, hikes and field studies. Geologist Wayne Ranney, M.A., will give a 90 minute presentation on major rock types found in the north Phoenix Basin. This lecture will be held on Friday, Nov. 11, from 7 to 8:30 pm at The Good Shepherd of the Hills Episcopal Church, 6502 E. Cave Creek Road in Cave Creek. Wayne's talk, which is sponsored by a grant from the Arizona Humanities Council, is free and open to the public. Contact Mary Kearney at [maryk92@aol.com](mailto:maryk92@aol.com) for more information.

*Introduction to Geology Workshop:* Geologist Wayne Ranney, M.A., will teach this all day workshop on Saturday, Nov. 12, from 9 am to 3 pm at Spur Cross Ranch in Cave Creek. This class is only open to AAS members and the fee is \$25. Due to space constraints, the workshop can only take 25 adults. To reserve your place in this class, please contact Mary Kearney at [maryk92@aol.com](mailto:maryk92@aol.com).

*Forest Safety/Survival:* Taught by popular sandal-weaver Al Cornel, this class is a four-hour academic and hands-on training for those who venture into the wild. Al's information is based on his 15+ years of rescuing wilderness visitors, noting how they got into trouble to begin with and what options could have made their misadventure much easier. This class will be held in the first week of December and will probably be at Spur Cross. Exact time, dates and fees will be noted in the next Petroglyph.

*Hikes:* Because of the warm weather and the fact that so many of our members are still out of town, there are no planned hikes for September. But Larry Morehouse has promised to plan some local and easier to get to hikes for our members in late October/November. We will keep you posted.

*Out and About:* Joan Young has planned many activities for the cooler weather. The first outing will be in October. See next month's Petroglyph for details.

Looking ahead to our Oct. 12<sup>th</sup> meeting, we will be treated to two guest speakers. Evelyn Johnson, Exec.-Director of the Cave Creek Museum, will be joined by Holly Young, curator at Pueblo Grande Museum. Evelyn will be giving her rendition of *A Night at the Museum*. She and Holly will discuss in detail our chapter project of curating all the artifacts taken from the Blue Wash site during our chapter's two field schools in the 1980's as well as artifacts that have been dug over the past 28 years by the landowner, Frank Casanova. Although these artifacts are currently housed at Pueblo Grande, the Cave Creek Museum will feature a display of some of these artifacts when it reopens on Oct. 1<sup>st</sup>. Holly will also explain the process of curation and why it is so expensive. We hope that our chapter will be involved in this process at a hands-on level.

Remember the State AAS meeting on Oct. 14-16 in Benson, AZ. The DFC board would love to see more of our members at these state meetings, which are generally fun-filled weekends of great food, hikes, lectures, fellowship and archaeology in another part of the state.

--Holly Bode

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**Homolovi Chapter**

Kenn Evans, Chairman of the Winslow Historic Preservation Commission, spoke at our August meeting about the work of the Commission including the documentation of the Winslow Indian Sanatorium Cemetery and the Santa Fe SR 87 underpass.

At our Sept. 15<sup>th</sup> meeting, Mike Lawson, the archaeologist at Northland Pioneer College, will speak on *Hubbell, Keam, Graham - Trade Relations of the Southwest*. We will meet at 7 pm in the Winslow Chamber of Commerce Visitor Center in the Hubbell Trading Post, 523 W 2nd St, Winslow.

We are planning some field trips this fall to be led by chapter president Darlene Brinkerhoff.

Homolovi Ruins State Park has invited the chapter to participate in Suvoyuki Day on Aug. 27<sup>th</sup>. We will be assisting the park with the traditional Hopi corn roast and will have a booth for selling books and Native American art. Although the park museum shop is now being operated by the state, the chapter continues to assist them in obtaining art work for sale since traditional artists rarely are willing to comply with the state purchasing procedures.

- Karen Berggren



**Little Colorado River Chapter**

The Wallow Fire disrupted the lives of our members and caused the postponement of Dennis & Sky Roshay's *Tone Poem Petroglyphs* when the June meeting was cancelled. We look forward to rescheduling their presentation. Our annual "large" trip was also delayed, and we anticipate going to the 9 Mile Canyon area of Utah next year. Unfortunately, the fire has also adversely affected tourists coming to Casa Malpais. Escape the heat and come up to visit!

July 10 was an enjoyable trek investigating the Golf Course petroglyphs. The intermittent sprinkles enabled us to see glyphs normally not seen; and, as luck would have it, there was not one camera in the bunch! There was also active debate regarding the function of the caves and lighting discovered. Lightning prohibited

further exploration of the "urban lake" under development but points of interest were pointed out to us in our vehicles.

Aug. 15<sup>th</sup> gave us the wonderful opportunity to hear from local USFS Archaeologist Peter Taylor on the effects of the Wallow Fire on local sites. There are 336 identified sites in the burn area. Peter explained how archaeologists normally work with the fire crews versus how it had to be done during the Wallow Fire. He also explained what work has been done since the fire was contained, what work is currently under way, and what work is anticipated in the future. Archaeological sites fared much better than historic sites; as yet there has not been time to explore for new, previously unidentified sites given the current workload. It was expressed to Peter that he has an eager set of volunteers when they are able to go investigate!

Joe Nickolas returns as our Sept. 19<sup>th</sup> presenter on the *Cibeqe Outbreak of 1877*. A local petroglyph tour with Roxanne Knight in the Wenima area will be on September 25. Members will meet at the museum for carpooling at 9 am.

October will be an as-yet-undecided topic by Mike Lawson of Winslow, depending on the amount of research he was able to complete on a topic he presented to us previously. Regardless of the topic, we are sure to enjoy his presentation. Efforts are still being made regarding a tour of Canyon de Chelly.

Other events planned include:

Nov. 5 – Apache Creek, NM,

Dec. 11 – Annual Christmas party at Anderson's.

Our regular meeting is the 3<sup>rd</sup> Monday each month, but contact Carol Farnsworth for more information at 928-333-3219 or [farnsc570@gmail.com](mailto:farnsc570@gmail.com).

--Suzanne Trezise



**Phoenix Chapter**

**MEETING NIGHT MOVED:**

**Sept. 15<sup>th</sup> meeting:** Geoffrey Clark, Ph.D., a Regents Prof. of Anthropology at ASU, will provide a follow-up lecture to his May 12<sup>th</sup> talk on Sept. 15<sup>th</sup> to start off our fall season. Note that the date is 1 week later than our

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usual meeting, to allow members to attend the 30<sup>th</sup> Anniversary Celebration of ASU's Institute of Human Origins on Sept. 8<sup>th</sup>.

### Upcoming Speakers:

Thursday, Oct. 13<sup>th</sup>: Allen Dart, Old Pueblo Archaeology Center, Tucson, will speak on Southwestern Rock Calendars and Ancient Time Pieces.

Wednesday, Nov. 2, Joint meeting with the PGM Auxiliary: Todd Bostwick will talk on Ancient Egypt: 3,000 Years of Pyramids, Temples and Tombs at our joint meeting with the Pueblo Grande Museum Auxiliary.

Thursday, Dec. 15: Deni Seymour will talk on "Where the Earth and Sky are Sewn Together: Sobaipuri O'odham Contexts of Contact and Colonialism (her new book).

### Classes:

The Archaeological Recording class at Q Ranch was cancelled because only 5 people had registered.

The Ceramic Reconstruction and Repair Workshop was held June 20-24. 7 people attended workshop. Most were from out of town; 3 of them joined the Phoenix Chapter. One came from the "Little Colorado River" chapter, and one was an existing at-large member. It was an enjoyable week for attendees.

**Hikes:** A hike with ethnobotanist Dave Morris is planned for September or October at the Desert Botanical Garden in Phoenix.

### State Meeting

Oct. 14-16. The annual AAS State Meeting will be held in Benson, Arizona. The schedule, lodging, and field trip information are on pages 3 and 4 of the May Petroglyph, and the Dinner Menu and Registration Form is on page 3 of the June Petroglyph. Information is also available on the AAS web site at <http://www.azarchsoc.org/annualmeeting>.

The Phoenix Chapter meets on the second Thursday of each month in the Community Room at the Pueblo Grande Museum, 4619 E. Washington St. in Phoenix, starting at 7:30 pm. We usually take the evening's speaker to dinner at 5:30 pm at the new Ruby Tuesday Restaurant on 44<sup>th</sup> 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](mailto:mbrit@cox.net)) so that she can reserve a large enough table.

--Ellie Large



### Rim Country Chapter

Summer is almost over and the Rim Country Chapter is looking forward to fall, to the resumption of our monthly schedule and a compelling slate of activities. Before moving forward, I'm pleased to report that five of our members attended the Pecos Conference near Jacob Lake in early August. The conference was amazing with great weather, a spectacular setting and a schedule of presentations that were thought provoking and inspiring. This was my first Pecos Conference; I was especially impressed by the talent and passion of the student presenters. Their academic experience and their professionalism was exemplary. Two days of papers focused on current field research has convinced me that the future of archaeological research in the Southwest looks very promising.

The Rim Country Chapter will not be holding regular meetings in Payson during September and October. Instead, we are planning trips to Tonto National Monument and Benson. On Sept. 17<sup>th</sup>, we will be treated to an archaeologist-led tour by Eddie Colyott, park ranger at TNM. This tour includes visits to Cline Terrace and Schoolhouse sites. Please contact Ed Spicer at [Flybynight67@msn.com](mailto:Flybynight67@msn.com) if you are interested in joining us for this informative outing.

October, of course, is the state-wide annual meeting, this year held in Benson, Arizona. As this event is scheduled during our regular meeting weekend, we are encouraging our membership to attend and participate in the amazing schedule of activities and excursions associated with this meeting. This is a singular opportunity to learn about a unique part of Arizona archaeology while supporting our parent organization.

For information about all the activities associated with the Rim Country Chapter, please email or call Evelyn Christian, President, at [elkwoman3@msn.com](mailto:elkwoman3@msn.com) 928-476-3092)

-Ric Alling, Publicity Chair

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**Verde Valley Chapter News**



Our meetings/activities for the new season will begin at the Sedona Public Library, White Bear Road, Sedona, at 7 pm on Sept. 22<sup>nd</sup>. Our speaker for the evening will be Jerry Snow of the Museum of Northern Arizona, whose topic will be Carl Gorman, Philip Johnston, and the Navajo Code Talkers.

Since Jerry Snow moved to Flagstaff with his wife, Juana, he has taught for years in the areas of Biology, Ecology, and Environment Health. He has worked for the US Forest Service, at the Rocky Mountain Research Station, in the area of Entomology. His hobbies of Southwest History and Archaeoastronomy have resulted in presentations at five conferences in the Southwest from 2004 to 2009, including the Pecos Conference in 2008. He has curated and assisted with several exhibits at the Museum, including "Dwellers of the Four Worlds," "Tolchado," and "Stories on Stone." In addition to being a tour guide at various reservations, conferences, and Public Lands and Parks throughout the Southwest, Jerry lectures on the Navajo Code Talkers of World War II.

There are many opportunities for volunteers in this Chapter. The Museum has many different projects in many different and fascinating fields. Dr. Dave Wilcox always has projects that need finishing. Jerry Ehrhardt and his Site Survey Team have surveyed and mapped sites throughout the Verde Valley, and will be looking for more active and fit people to help out. Spence Gustav and his team have completed the copying of the Coconino print and slide collection to digital format, and Jerry Walters will need help on the Photolog Database. These are just a few of the opportunities available!

The Third Annual Festival of Native American Culture will take place from Sept. 30 through Oct. 4, under the sponsorship of the Verde Valley Archaeology Center ([center@verdevalleyarchaeology.org](mailto:center@verdevalleyarchaeology.org)). Most events will take place at the Tlaquepaque Arts & Crafts Village in Sedona. The Festival will feature an Invitational Native American Art Show. There will be two stages of Native American entertainment, and the Yavapai-Apache Nation will be showing videos from their storytelling project. The main benefit event will

be the showing of the movie "Cave of Forgotten Dreams" about the 35,000 year old rock art in the caves of Southern France. Dr. Kelly Hays-Gilpin, NAU, will introduce the film and be available for a Q&A afterwards. French pastries and beverages will be served. This event will start at 6:00 p.m. at the Sedona Creative Life Center. Tickets will go on sale Sept. 1 on the Center's website under "Events." Volunteers will be needed for a variety of events.

For more information, please contact Linda Krumrie at (928)451-4790, or [aplaceinthesun@commspeed.net](mailto:aplaceinthesun@commspeed.net).

--Louise Fitzgerald



**Yavapai Chapter**

Hope everyone had a pleasant and interesting summer. Many thanks to members Leonard and Sandra Hennigan for hosting a summer potluck for our group. It was a great chance to catch up on news.

Our first meeting after the summer hiatus starts at 7 pm at the Smoki Museum on Sept. 15<sup>th</sup> with speakers Roger and Gerry Haase, two long-term members of AAS and ARARA. They developed The Digital Rock Art Recording program, which seeks to provide a standardized method of recording via digital photography using the power of the computer to accomplish data storage and retrieval. It provides extensive methods for searching and sorting as an aide to researchers. Come see how it works.

Please join us for dinner with the Haases before the meeting, upstairs at the Prescott Brewing Company at 5 pm.

Our field trips resume also, as Franke Watson leads a group on Saturday, Sept. 24<sup>th</sup> to Cliff House Gail.

Sixteen people have signed up for a four-day visit to Southeastern Utah, to see Hovenweep National Monument, and several sites on Cedar Mesa including Moonhouse Ruin, a Pueblo III-period cliff dwelling in McLoyd Canyon, Mule Canyon Ruin, and other Ancestral Puebloan sites in the area. Dates are Sept. 12 -15. Contact Flo Reynolds [gfreynolds@cableone.net](mailto:gfreynolds@cableone.net) or 928-776-1037 for details.

--Susan Jones



**Book review: *Beyond Stonehenge***  
by Gerald S. Hawkins, Hubert Allen, 1973

This book follows up the author's *Stonehenge Decoded*, in which the astronomer tells most of what is known about the ancient site in England, already crumbling away when pyramids rose in Egypt. In *Beyond Stonehenge*, Hawkins looks at other ancient sites with his mathematical, scientific eye. After updating his Stonehenge book, he takes his compass to those pyramids, then to the lines in the Peruvian desert, to the Cro-Magnon caves of Spain and France, Mayan ruins, and alignments in Scotland. The book originally came out in 1973 and was reissued in 2001.

Just as everything to a hammer is a nail, everything to an astronomer is an angle, up, down, or sideways. Hawkins admits this stricture. He does not claim to be an archaeologist, just to attempt to explain mysteries others have not seen at ancient sites. Mostly, Hawkins checks alignments of stone, sightlines the ancient peoples would have seen. His general conclusion: Much cave art and all of the stone markers are calendrical devices, used by their preliterate makers and those who followed as counters. The age of modern computers arrived in the 1970s to check and to prove his suppositions. For example, he measures the base of giant pyramid at Giza and finds it runs exactly east and west. These mostly stone-age people, though they had no written language nor a tool called the wheel, probably were attracted by numbers and were able to measure without benefit of our modern instruments.

That is the conclusion Hawkins trumpets near the end of his book: that these "cave men" could make their rock alignments and buildings with extreme accuracy. *Beyond Stonehenge* ends with these thoughts:

"Western civilization is a giant leap away from the slow homogenesis of the caves. There is no turning back. It is a new, dynamic, ongoing system, self-controlling in its destiny, all-powerful, indestructible. The cultural lens is thick, growing fast, and secure.

"Or is it?"

Here is the last paragraph of Hawkins's obituary. (He died in 2003.) It was published by NASA: Gerald S. Hawkins was a colorful, articulate, and pioneering investigator who modeled a research profile in archaeoastronomy through innovative fieldwork. He induced many others to study ancient and prehistoric astronomy and is acknowledged for his essential and foundational role. His initiative propelled archaeoastronomical research into maturity. The Sherlock Holmes deerstalker cap he wore in the field when investigating standing stones and stone circles in Scotland advertised his attraction to scientific mysteries and his commitment to their solution. He persuaded many that part of the neolithic and bronze age intellectual heritage could be extracted from the unwritten record.

-- Jack Grenard

**San Tan Chapter**

The San Tan Chapter will resume meetings after our summer hiatus on Wed Sept 14. Our Chapter President, Peg Lynch, resigned this summer. We will select a new Chapter President during this meeting.

We have completed the first phase of the exploratory excavation of a site in the Coolidge/Casa Grande area. Sufficient surface and sub surface artifacts were discovered to warrant further attention. We will reopen the site when funds are available for further excavation

(Continued on page 10)

## *Engineering Chaco: Anasazi Design Rules on the Chaco Meridian,*

*by Charlie Gullett*

As a retired engineer, time had finally presented me with the opportunity to pursue an interest in archaeology that began with a 1950's childhood visit - a trip to Mesa Verde, an important part of what was then known by its Navajo Dine' name as the Anasazi southwest. Years later, standing as an adult atop the wind-swept mesa overlooking Chaco Canyon, I was able once again to tap into that childhood awe of viewing one of the most ancient of cultures in the American southwest. In 2010 I recovered what I believe is the lost evidence of advanced algebra and geometry in the pre-historic Puebloan record of New Mexico (Figure 1); a geometry that repeated itself in both architecture and landscape all along the now famous Chaco Meridian.

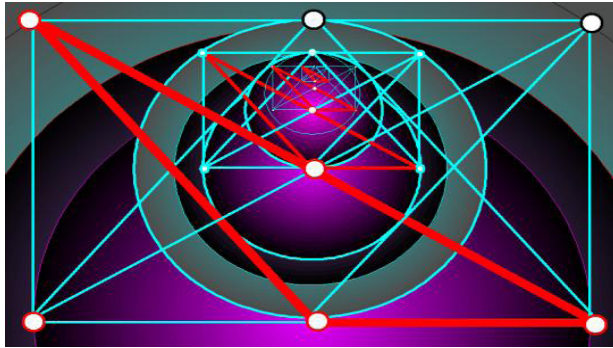


Figure 1: Chaco's Algebraic Pattern

I have found that algebraic, geometric and celestial alignments in the Chaco pattern extend from the pueblos at Peñasco Blanco to Tsin Kletzin and to the understudied ruin at Kin Nahasbas, from Aztec Ruin in northern New Mexico to Paquimé, faithfully following the Chaco Meridian into old Mexico. Once recognized, the pattern exhibits itself in kiva locations, their inter-relationship with other pueblo elements, plaza dimensions and building alignments at Wijiji, Kin Sabe, Kin Kletso, Pueblo Del Arroyo and New Alto pueblos; in fact it is represented in all the Great House designs in Chaco.

Although we have not yet found a pristine example of a Chacoan survey instrument, the important question is not have we found the instrument; rather, are we able to raise the visual and intellectual awareness of the professional community to the point where they are aware of the need to look for it. Finding it is vitally important. I believe the Anasazi were not just building Great Houses to demonstrate their ability to creatively pile rocks in alignment with celestial objects and events; they were building enormous monuments to document and honor, in a textbook of enduring stonework, the greatest combination of engineering and algebraic achievement in pre-historic American science. Recognition of their accomplishment is long overdue.

About the author:

Charlie Gullett is a retired engineer and member of the Yavapai Chapter of the Arizona Archaeological Society. *Engineering Chaco: Anasazi Design Rules on the Chaco Meridian* is available retail on Amazon.com; discounts and signed copies are available directly from sales@warfieldpress.com. Both the author and copies of the book will be available at the annual AAS meeting in Benson, Oct. 14-16, 2011.

*(Continued from page 9)*

Our Archaeological Site Survey of San Tan Mountain Regional Park has received the required permits. The Chapter will schedule the survey as soon as the detailed survey plan and final approval from the Maricopa Park Department is received.

The San Tan Chapter, due to the present economy, does not collect chapter dues. Our Chapter is funded by voluntary donations from members and guests. The San Tan Chapter meets at 7:00 PM, the second Wednesday of each month, at the Queen Creek Museum located on the southeast corner of the intersection of Ellsworth and Queen Creek Roads.

--Mel Marshall



### Fielder Fund: Your Chance to Endow 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. Contributions to the fund are welcome from chapters and individuals. The name honors the Society's first publications team, Marje and Herb Fielder.

Thank you to William Henry!

Balance \$38,829.03

For more information, or to contribute, contact our AAS treasurer, Judy Rounds, P.O. Box 1401, Carefree 85377. Please include your chapter affiliation.

### CHAPTER MEETINGS

<u>Chapter</u>	<u>Location</u>	<u>Date &amp; Time</u>	<u>Membership</u>
Agave House	Black Mesa Ranger Station Conf. Rm. 2748 Hwy. 260, Overgaard	4 <sup>th</sup> Wed., 6:30 pm	Gloria Kurzhals 928-536-3056
Agua Fria	Glendale Public Library Auditorium 59th Avenue & Brown, Glendale	2 <sup>nd</sup> Tues., 6-7:45 pm Sept. thru May	Chris Reed 623-561-9161
Desert Foothills	The Good Shepherd of the Hills Community Building, 6502 E Cave Creek Rd., Cave Creek	2 <sup>nd</sup> Wed., 7 pm Sept. thru May	Glenda Simmons 928-684-3251
Homolovi	Winslow Chamber of Commerce 523 W. 2nd Street, Winslow	3 <sup>rd</sup> Thurs., 7 pm	Karen Berggren 928-607-1836
Little Colorado River	Casa Museum, 418 East Main Springerville	3 <sup>rd</sup> Mon., 7 pm	Sheri Anderson 928-536-2375
Northern Arizona	The Peaks "Alpine Room" 3150 N. Winding Brook Road Flagstaff	3 <sup>rd</sup> Tues., 7 pm Sept. thru Nov., Jan. thru June	Peggy Taylor 928-526-8963
Phoenix	Pueblo Grande Museum 4619 E. Washington, Phoenix	2 <sup>nd</sup> Thurs., 7:30 pm Sept. thru May	Bob Unferth 602-371-1165
Rim Country	Church of the Holy Nativity, The Cottage 1414 North Easy Street, Payson	3 <sup>rd</sup> Sat., 10 am	Carolyn Walter 928-474-4419
San Tan	San Tan Historical Society Museum Ellsworth & Queen Creek Roads Queen Creek	2 <sup>nd</sup> Wed., 7 pm Sept. thru May	Norm Jones 480-963-3110
Santa Cruz Valley	The North County Facility 50 Bridge Road, Tubac	2 <sup>nd</sup> Thurs., 7 pm	Sharon Sevara 520-390-8998
Verde Valley	Sedona Public Library 3250 White Bear Road Sedona	4 <sup>th</sup> Thurs., 7 pm, Sept. thru May 3 <sup>rd</sup> Thurs., 7 pm, Nov and Dec.	Ron Krug 928-284-9357 928-477-3020
Yavapai	Pueblo of the Smoki Museum 147 North Arizona St., Prescott	3 <sup>rd</sup> Thurs., 7 pm	Tom Garrison 928-445-7652



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**OBJECTIVES OF 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 knowledge and improve the skill of members in the disciplines 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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Grace Schoonover	Gary Stumpf
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