



GLYPHS

The Monthly Newsletter of the
Arizona Archaeological and Historical Society
An Affiliate of the Arizona State Museum, University of Arizona
Founded in 1916



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Aerial photograph of large anthropomorphic and zoomorphic geoglyphs north of Blythe, California. Note the damage by off-road vehicles.

Next General Meeting: March 17, 2008

<<http://www.statemuseum.arizona.edu/aahs/aahs.shtml>>

PRESIDENT'S MESSAGE

Supporting the ASM Library

Everybody enjoys a bargain, and there are always many to be had at the AAHS Used Book Sale. This year's sale, held on March 1 and 2, continues that tradition with a large selection of books, journals, and other published material contributed by many AAHS supporters.

The purpose of the book sale is to generate funds to support the Arizona State Museum Library. Since the first sale in 1992, the AAHS Book Sale has generated nearly \$30,000, most of which has been used to acquire new materials for the ASM Library. I know from Mary Graham, Head Librarian, and others at the museum, that these funds have made a significant contribution to the library's ability to acquire new publications.

This year, the book sale is part of the Arizona Archaeology and Heritage Expo being hosted by ASM on March 1 and 2, in celebration of Archaeology and Heritage Awareness Month in Arizona. This event features many exhibits, tours, and activities, and is a great kickoff for the month-long, statewide celebration of Arizona's rich cultural heritage.

The book sale is an annual event, but it is a year-long effort on the part

of many AAHS volunteers. Donations come in throughout the year, and must be acknowledged, processed, stored, and made ready for sale. Library staff review all donated materials and select some of them to add to the library's collection. The rest are sold at our annual sale at very competitive prices.

Todd Pitezal has done a terrific job as chairman of the AAHS Library Committee, and he has worked long and hard throughout the year preparing for this event. Many other people have worked hard as well, including Debbie Carroll, Madelyn Cook, Mary Graham, Sarah Herr, Kylie Miller, Barbara Murphy, and Sharon Urban. Quite a few others, both from AAHS and from the library staff, lend a hand throughout the year, especially at sale time. I would like to thank every one of these people for their help in supporting the ASM Library.

Assisting ASM has been one of the major goals of AAHS since its founding in 1916. That tradition is alive and well today, and the Annual Book Sale is one of the best manifestations of that spirit.

— Peter Boyle, President

If you would like to be added to the AAHS e-mail distribution list to receive reminders of lectures, last-minute field trip opportunity announcements, and notices about volunteer opportunities, please send your e-mail address to <kcerino@gmail.com>.

AAHS LECTURE SERIES

All meetings are held at the University Medical Center, Duval Auditorium
Third Monday of the month, 7:30–9:00 p.m.

- Mar. 17, 2008: John Fountain, *Geoglyphs: The Orphans of Rock Art*
 April 21, 2008: Ruth Van Dyke, *At the Still Point of the Turning World: Chaco and Its Outliers*
 May 19, 2008: Deborah Huntley, *A Gaze at Glaze: What Glaze-decorated Pottery Reveals about Pueblo IV Social Dynamics*
 June 16, 2008: Thomas Sheridan, *Landscapes of Fraud: Mission Tumacacori, the Baca Float, and the Betrayal of the O'odham*

DECEMBER 2007 RAFFLE PRIZE WINNERS

AAHS held its annual raffle at the December 2007 meeting. A special thanks goes to Mel Copeland who coordinated the raffle! Winners are listed here.

Prize	Winner
Arizona Theatre Company, 2 tickets	Pauline C. Hohmann
Basket	Peter Pilles
Basket	Laurel Cooper
Basket	Ackert
Book: <i>Hohokam Pottery</i>	Foster
Book: <i>Islanders and Mainlanders</i>	G. Meier
Book: <i>Life in the Past Lane</i>	Gayle Hartmann
Book: <i>Little River</i>	Gail Virtes
Book: <i>Navajo Weaving in the Late 20th Century</i>	Bridwell Williams
Book: <i>Prehistoric Pueblo World</i>	E. Lowell
Book: <i>Rivers of Rock</i>	Rob Rock
Book: <i>San Xavier to San Agustin</i>	Katherine Cerino
Bowl	E. Lowell
California petroglyph plaque	Bryon P. Johnson
Center for Desert Archaeology, membership	Jo Anne Jenkins
Crow Canyon day program, for 2	Knutson
Desert Museum, 4 admissions	Karen Harry
Earrings	Jim Britton
Earrings	Jane Delaney
Framed photo of Three Corn Ruin	Jenny Adams
Hand-carved petroglyph	Jo Anne Jenkins

(continued on page 10)

AAHS HAPPENINGS

TOPIC OF THE MARCH 17 GENERAL MEETING

Geoglyphs: Orphans of Rock Art

by John Fountain

Physically, geoglyphs are the grandest form of rock art, yet they are probably the least studied. Along the lower Gila and Colorado rivers, there are hundreds of such earth figures, varying in size between 1-50 meters. While most of the figures are geometric or abstract, there is a significant number of anthropomorphic and zoomorphic images. Some figures are made of arranged stones, while others are formed by clearing aside gravels of desert pavement or by tapping the gravels into the ground. Because of their large size and shallow profile, geoglyphs are often difficult to see well from the ground. Indeed, the first was discovered from the air. In the same region, we find possibly related constructs called summit paths.

Near the coast of northern Chile and on the plains of Nazca, Peru, similar geoglyphs can be found, although on a much larger scale. We have no evidence, however, that they are related to those of the southwestern United States.

Speaker John Fountain began his study of the moon and planets while an undergraduate at the University of Arizona, helping to analyze the first spacecraft pictures of the moon returned by the Ranger Project. He went on to support many NASA missions with earth-based imaging of planets. He is the co-discoverer of two satellites of Saturn. Some 15 years ago, Mr. Fountain began a serious investigation of astronomical references in the rock art of

While the meaning and purpose of most geoglyphs is not currently understood, through the work of Johnson and von Werlhof, we understand that geoglyphs played an important role in pilgrimages along the Colorado River. They also served as teaching and ceremonial venues.

Geoglyphs are the most fragile kind of rock art. There is an urgent need for better documentation and protection from rapidly growing public use of nearby lands.

Ezzo, Joseph A., and Jeffrey H. Altschul
1993 *Glyphs and Quarries of the Lower Colorado River Valley*. Technical Series No. 44. Statistical Research, Inc., Tucson.

Johnson, Boma
1985 *Earth Figures of the Lower Colorado and Gila River Deserts: A Functional Analysis*. The Arizona Archaeologist No. 20. Arizona Archaeological Society, Phoenix.

von Werlhof, Jay
2004 *That They May Know and Remember. Spirits of the Earth Vol. 2*. Desert Museum Society, Imperial Valley College, California.

North America Indians. His work shows that pre-Columbian Native Americans placed rock art in such a way that beams of sunlight interact with the rock images on important seasonal days such as equinoxes and solstices. Such markers often have remarkably high precision. In addition to his own studies of numerous rock art sites, Mr. Fountain has established a database of rock art solar markers, which demonstrates they were surprisingly common and widespread. He has also conducted research on geoglyphs and Oriental archaeoastronomy. He has led archaeoastronomy tours for Crow Canyon Archaeological Center and was featured in the KUAT-TV production of The Desert Speaks – Shadows of the Ancients. He has taught classes in archaeoastronomy for the Arizona Archaeological and Historical Society and The Learning Curve of Tucson. Mr. Fountain is co-editor of the book Current Studies in Archaeoastronomy: Conversations Across Time and Space, and has published 35 scientific papers.

UPCOMING AAHS FIELD TRIPS

AAHS membership is required to participate in field trips. Prospective members may attend one AAHS field trip prior to joining. Field trips are generally limited to 20 people.

March 22–23, 2008

“Geoglyphs and Petroglyphs in the Painted Rocks Area” will be lead by archaeoastronomer, John Fountain. The trip will start from Painted Rocks State Park (exit 102, Interstate 8) Saturday morning. We will visit several rock art and geoglyph sites in the area. Access involves roughly 2 miles of hiking and several steep but not difficult ascents. For those who want to stay over, we will visit additional rock art sites, as well as the Oatman Massacre site, on Sunday. There is a primitive campground available at Painted Rocks, and some of us plan to camp there Friday night as well. There are also motels in Gila Bend. To sign up, contact David McLean at <mcleand43@gmail.com>; indicate your interest in a 1- or a 2-day trip.

April 5–6, 2008

Rich and Chris Lange will lead a special overnight light hiking adventure into the Sierra Ancha Mountains of central Arizona. The trip will start in Globe with a tour of Besh-ba-gowah. Camping is primitive, but the campground has outhouses. You can drive directly to the campsite; high-clearance vehicles are recommended, but 4WD is not necessary. The hike to the cliff dwelling starts from the campground (round trip of about a mile). The last part is a bit of a scramble on an informal trail. Camp and the cliff dwelling are at an elevation of approximately 6,000 feet. The cliff dwelling was probably built in the late A.D. 1200s, and is the only cliff dwelling in the interior of the mountain range. You can read all about the cliff dwellings in Rich’s recent publication, *Echoes in the Canyons* (ASM Archaeological Series No. 198). To sign up, contact Chris Lange at <clange3@msn.com>.

EMORY SEKAQUAPTEWA – HOPI'S "NOAH WEBSTER" DIES

Emory Sekaquaptewa, a Hopi educator, judge, artist, and cultural treasure, as well as a noted research anthropologist at the University of Arizona's (UA) Bureau of Applied Research in Anthropology (BARA), died on December 14, 2007. Although his birth was never recorded, he is believed to have been born in 1928, and he celebrated his birthday on December 28.

Sekaquaptewa was perhaps the most recognizable face of the Hopi Nation. He spent nearly four decades at the UA, where he taught courses such as "Hopi Language and Culture." His most notable academic achievement, though, was compiling and publishing the definitive dictionary of the Hopi language.

Gordon Krutz, a former UA faculty member and longtime friend, called Sekaquaptewa the "Noah Webster of the Hopi Nation."

Born in Hotevilla on the Hopi Third Mesa in northern Arizona, Sekaquaptewa was the first American Indian to attend West Point, and later graduated from Brigham Young University in 1953. He spent two years as an Air Force officer before returning to Arizona to teach high school. He and his brother Wayne also started a silversmith shop, Hopi-crafts, in 1961, where they developed innovative methods for producing silver overlay jewelry, the signature technique used by many Hopi artists.

Sekaquaptewa went on to serve as governor of the Hopi village of

Kyakotsmovi and with the Hopi Land Negotiating Committee in the 1690s, during the tumultuous disputes over tribal land between the Hopi and Navajo nations. He was executive director of the Hopi Tribal Council and an associate judge on the Hopi Tribal Court. Sekaquaptewa founded and was chief judge of the Hopi Appellate Court and was instrumental in meshing traditional Hopi rules with federal and state laws in adjudicating tribal disputes.

Sekaquaptewa recently assisted the Hopi over the contested use of reclaimed water at the Snowbowl ski area on the San Francisco Peaks. He also was working on the Hopi Murals Project, funded by the Getty Grant Program, at the Museum of Northern Arizona in Flagstaff.

In 1970, he became the first member of the Hopi tribe to earn a law degree from the UA, beginning his long association with the university. There are no records to indicate it, but his family said he was the first American Indian to graduate from the UA with a juris doctorate.

From 1970 to 1990, he and Gordon Krutz were the UA's primary liaisons to American Indian students and their families. "Emory was an anchor for Hopi students who came here," Krutz said. "He was a symbol. He made himself available."

"He was an esteemed elder, teacher, and mentor, was a (Hopi) Priesthood Society Member and remained active in all traditional Hopi

matters throughout his entire life," said Mary Sekaquaptewa, his wife, in a written statement. "It is certain that Emory will be sorely missed by his adoring family and a multitude of dear and genuine friends, colleagues, and students."

Sekaquaptewa spent his academic career preserving his native language and culture. He watched succeeding generations of Hopi lose touch with their language, in part, he believed, due to the introduction of television and radio and other modern influences in Hopi homes.

For decades at BARA, he catalogued Hopi words on index cards, assisted by Mark Black, Ken Hill, and Sheilah Nicholas. A 10-year grant from the National Endowment for the Humanities helped him finish and publish the *Hopi Dictionary/Hopiikwa Lavàytutwoeni: A Hopi-English Dictionary of the Third Mesa Dialect* in 1998, through the UA Press. The dictionary contains about 30,000 entries, along with pronunciation guides.

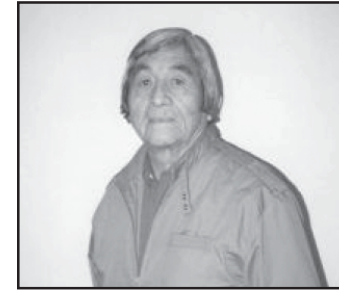
The Society for the Study of Indigenous Languages of the Americas gave its first Ken Hale Award to Sekaquaptewa in 2003, for his research. BARA Director Tim Finan called the dictionary an incredible achievement, and one that, "will certainly mark Emory's legacy."

Over the years, Sekaquaptewa served on the boards of the Hopi Education Endowment Fund Executive Committee and the Old Pueblo

Archaeology Center, was a consultant to the Institute for the Preservation of the Original Languages of the Americas to help produce children's bilingual story-books, hosted a segment for KUAT's "Our Journeys: American Indian Epics," and was a member of the Arizona State Historical Sites Review Committee.

His other awards include the 1989 Arizona Indian Living Treasure Award, the BARA Lifetime Achievement Award in 2004, and, most recently, the Byron S. Cummings Award in August 2007, and the Heard Museum's Spirit of the Heard Award in October 2007. Ironically, Sekaquaptewa sought none of these and other honors. His friends and colleagues remember him uniformly as self-effacing and dedicated to his family, colleagues, and students.

Sekaquaptewa taught his Hopi language course every spring in the UA Department of Anthropology. Ken Hill and Mary Black said, in a written statement, that "the course attracted mainly Anglo students but over the years an increasing number of Hopi students would take the course and for them, Emory provided special training in Hopi literacy. He held workshops at Hopi for teachers and through this, as well as other initiatives, Emory managed to get the



THE CORNERSTONE

Trade In, Trade Up, Trade Out *Southwest Indian Jewelry "Swap" to Benefit ASM*

Tired of your current array of Southwest Indian jewelry? Some pieces not quite "you?" If it's *authentic* Southwest Indian jewelry, Arizona State Museum's "Jewelry Trading Days" gives you the opportunity to clean out your collection, bring pieces in for trade, and acquire some new treasures.

"Whether a serious collector or a beneficiary from a generous relative, practically everyone in this part of the country has a collection of authentic Southwest Indian jewelry," says event chairwoman and museum supporter Paddy Schwartz. She describes the affair as an opportunity for jewelry lovers to mutually benefit through reasonably priced exchanges. "This event will give folks an opportunity to sell pieces they may no longer want and acquire new, high quality pieces at really great prices."

Bargain hunters will be able to purchase from what is expected to be a wide selection of likely Navajo, Hopi, Apache, Zuni, and Tohono O'odham pieces—necklaces, bolas, belt buckles, earrings, rings, belts, and watch bands, to name a few.

"Everyone—buyers and sellers—will enjoy the camaraderie of being with others who share in the appreciation of fine Southwest Indian jewelry," says AMS curator Diane Dittmore. "For museum staff, it's also

fun to make new friends, meet collectors, and to hear stories about their collections." And of course, the museum will benefit from a portion of the sales transactions (30 percent to be exact).

Schwartz has had much success with this concept back in her home town of Chicago. She is a longtime supporter of the Mitchell Museum of the American Indian in Evanston and has organized a similar event there for the past five years. "We're so lucky to have great seasonal friends and supporters like Paddy," says Dittmore. "Our winter volunteers bring many fresh ideas and lots of energy for new and exciting public programs. We're only too happy to learn and benefit from their endless expertise."

If you have pieces you wish to have included in the sale, the museum will be taking consignments on February 29 and March 1, 3, and 4, between 11:00 a.m. and 4:00 p.m. Before bringing them in, decide on a reasonable selling price (keeping in mind that 30 percent will be your gift to the museum) and then either contact Paddy Schwartz at 520.615.2245 or <paddyschwartz@aol.com>, or see the consignment instructions at <<http://www.statemuseum.arizona.edu/events/jewelrytrading/>>.

Then, come to acquire new treasures and make new friends at Jew-

elry Trading Days! **March 14, 5:30–10:00 p.m.:** Exclusive preview reception just for Friends of the ASM Collections. Don't miss out, join the Friends and join the fun! For membership information, visit <<http://www.statemuseum.arizona.edu/support/membership>>, or call 520.626.8381. **March 15, 10:00 a.m.–4:00 p.m.:** Show and sale; browse and buy from

a unique selection of specially priced, previously owned Southwest Indian jewelry. Free and open to the public.

The Cornerstone is presented by:
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UPCOMING ARIZONA STATE MUSEUM EVENTS

Arizona Archaeology and Heritage Expo March 1–2, 2008; 9:00 a.m.–4:00 p.m.

ASM is again the proud host of this annual statewide celebration. Enjoy two full days of educational and interactive displays and activities. AAHS' used book sale, book signings, lectures, tours, food, and much more.

(continued from page 7)

Hopi language introduced into the Hopi schools. At the time of his death, Emory was working on a Hopi children's word book, which couples colorful culturally relevant drawings and Hopi words, both as labels for the drawings and as used in simple sentences." The work on the word book is sufficiently advanced that his colleagues at BARA expect to carry the project forward.

"I can't tell you how much Emory will be missed," said Ginny Healy, development director for the UA College of Social and Behavioral Sciences. "When I first started working with him, he asked if he could take me and my family to Hopi," said

Healy. "It remains one of the most memorable experiences of my life. He was so passionate about his desire to preserve the Hopi language and culture that you couldn't help wanting to be a part of it."

Donations can be made in his memory to the Hopi Children's Word Book Project, SBS Development Office, University of Arizona, P.O. Box 210028, Tucson, AZ 85721. For questions, please contact Maria Rodriguez at 520.621.6285, or <mariarod@email.arizona.edu>.

—Lori Harwood, Associate Director of
External Relations
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(continued from page 3)

DECEMBER 2007 RAFFLE PRIZE WINNERS

Jewelry: Kokopelli	Jenny Adams
Jewelry: Lizard	Jane Delaney
Maswick Lodge, Grand Canyon, 3 days, 2 nights for 2	Kylie Miller
Mata Ortiz fish-shaped effigy pot	Jesse
Mata Ortiz pot	James Heidke
Native Seed Search membership	Rob Rock
Old Pueblo Archaeology membership	David E. Doyel
Santa Fe pocket knife	S. Roseman
Southwest Mission tour for 2	Katherine Cerino
Southwest sandstone plaque	Pauline C. Hohmann
Southwestern National Parks, assorted basket	James Justice
Verde Valley steam train, round trip for 2	Dorothy Walters
Zuni ceramic bear fetish	Holly A. Bode
Zuni ammonite bear fetish	James M. Copus
3 ASM ceramic mugs	Holly A. Bode
3-volume Salmon Ruins report	G. Meier

OLD PUEBLO ARCHAEOLOGY

5100 W. Ina Rd., Tucson, AZ 85743
520.798.1201, <info@oldpueblo.org>

"Third Thursdays" Lecture Program, 7:30 p.m., Old Pueblo Auditorium

March 20: Dr. Douglas B. Craig, *Excavations at a Prehistoric Gateway Community in the Upper San Pedro Valley*

Picture Rocks Petroglyphs Site: Quadrupeds, People, and Other Symbols in Stone

March 15, 2008: 8:00-10:00 a.m.

Archaeologist Allen Dart leads this tour to view rock art depictions of dancing human-like figures, whimsical animals, and ritually important rock art petroglyphs made by the Hohokam Indians between A.D. 650 and 1450. [Limited to 32 people; advance reservations required]

Candidates for AAHS Officers and Board Members Sought

The annual elections for AAHS Officers and Board Members are coming up. If you are interested in running for office or for a Board membership position, please send an e-mail to Sarah Herr at <sherr@desert.com> by March 10, 2008. Board positions are open to all members of the society.

AAHS MEMBERSHIP/SUBSCRIPTION APPLICATION

(A membership subscription makes a great gift for your loved ones!)

All members receive discounts on Society field trips and classes.
Monthly meetings are free and open to the public.

Categories of Membership

- \$45 **Kiva** members receive 4 issues of *Kiva*, 12 issues of *Glyphs*, and all current benefits
- \$35 **Glyphs** members receive *Glyphs*
- \$30 **Student Kiva** members receive both *Glyphs* and *Kiva*
- \$15 **Student Glyphs** members receive *Glyphs*
- \$75 **Contributors** receive *Glyphs*, *Kiva*, and all current benefits
- \$100 **Supporters** receive *Glyphs*, *Kiva*, and all current benefits
- \$250 **Sponsors** receive *Glyphs*, *Kiva*, and all current benefits
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- Please do NOT release my name on requests for the AAHS mailing list.

MEMBERSHIP/SUBSCRIPTION INFORMATION

Visitors are welcome at all of the Society's regular monthly meetings but are encouraged to become members to receive the Society's publications and to participate in its activities at discount rates.

Memberships and subscriptions run for one year beginning on July 1 and ending June 30. Membership provides one volume (four issues) of *Kiva*, the Journal of Southwestern Anthropology and History, and 12 issues of the monthly newsletter *Glyphs*.

For a brochure, information, or membership/subscription application forms, contact:

Doug Gann, VP Membership
Arizona Archaeological and Historical Society
Arizona State Museum, University of Arizona
Tucson, AZ 85721-0026 USA
<dgann@cdarc.org>

Libraries and other institutions interested in institutional subscriptions to *Kiva* should contact the publisher, AltaMira Press, at <www.altamirapress.com> or 800.273.2223.

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The objectives of the Arizona Archaeological and Historical Society are to encourage scholarly pursuits in areas of history and anthropology of the southwestern United States and northern Mexico; to encourage the preservation of archaeological and historical sites; to encourage the scientific and legal gathering of cultural information and materials; to publish the results of archaeological, historical, and ethnographic investigations; to aid in the functions and programs of the Arizona State Museum, University of Arizona; and to provide educational opportunities through lectures, field trips, and other activities. See inside back cover for information about the Society's programs and membership and subscription requirements.