



# glyphs

The Monthly Newsletter of the  
Arizona Archaeological and Historical Society

Vol. 65, No. 6

December 2014



*AAHS and Coronado Forest archaeologists  
excavating the bone bed at Desperation Ranch.*

**Holiday Party & Research Slam:**  
**December 15, 2014**  
**6:00 p.m., "Petroglyphs"; 228 S. Park Ave.**  
[www.az-arch-and-hist.org](http://www.az-arch-and-hist.org)

## **In This Issue**

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## President's Message

*by Jesse Ballenger*

In November, I wrote about the relationship between time and money as a prelude to this: *AAHS needs your support now to continue our Scholarship and Research Fund in 2015.*

Federal grants awarded to archaeological and historical research are an increasingly scarce resource, and awards made outside of the United States are jeopardized by the scrutiny of provincially minded lawmakers. AAHS is the only local non-profit organization that offers multiple, small awards to students, professionals, and avocationalists working in the U.S. Southwest and northern Mexico. Knowing this, I am optimistic that those of you who supported the Society in 2014 will continue to do so. If you have not donated to the fund in recent years, I hope you will now.

I thank everyone who attended the Society's open house at Desperation Ranch. A large number of people visited the site (many via bicycle) and witnessed Jonathan Mabry's description of the excavations, as well as Bill Gillespie's historical account of the property. Afterwards, Tony and Rene Donaldson, Jaye Smith, and Katherine Cerino hosted a lovely BBQ at the Portal Store. These events provide a wonderful opportunity for people to connect across communities and special interests, and for the Society to help communities invest in and explore their heritage.

AAHS volunteers uncovered an entirely unexpected and unprecedented archaeological situation in Portal, Arizona, one that promises to redefine fundamental concepts about the Middle Archaic period. Due to the complexity and density of bison bones at the site, continued



excavations are planned in December. By chance, the archaeological discoveries at Desperation Ranch compliment the career of the late Larry Agenbroad (see page 8), whose accomplishments and

contributions include a seminal debate regarding the distinction between single events and palimpsests in the archaeological record. His talks on the subject are some the most combative I ever witnessed at a professional conference, but he never backed down to his critics. Careful excavation, faunal analysis, and radiocarbon dating is needed to tease apart the number and age of bison kills at Desperation Ranch, among other questions.

Finally, I invite you to attend this month's Holiday Party and Research Slam (see pages 5–6). This year's festivities include a new venue and format designed to be an informative and fun way for the membership to mingle and conspire for the proliferation of regional archaeological and historical research. All proceeds will benefit the 2015 Scholarship and Research Fund.

## AAHS Lecture Series

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

- Dec. 15, 2014: Holiday Party and Research Slam  
6:00 p.m. at “Petroglyphs,” 228 S. Park Avenue
- Jan. 19, 2015: William K. Hartmann, *Searching for Golden Empires: Epic Cultural Collisions in 16th Century America*
- Feb. 16, 2015: Ashley Morton, *Women’s Health Demands Protective Cleanliness: Examining Health and Illness in Early Twentieth Century Tucson*
- Mar. 16, 2015: Todd W. Bostwick, *Archaeological Excavations at Ironwood Village: A Hohokam Ballcourt Site in Marana*

**Article Submissions for glyphs:** If you have research or a field project that would be interesting to *glyphs* readers, please consider contributing an article. Requirements are a maximum of 1,000 words, or 750 words and one illustration, or 500 words and two illustrations.

Please send electronic submissions to [jadams@desert.com](mailto:jadams@desert.com).

## AAHS Annual Holiday Party and Research Slam

December 15, 6:00 p.m. ♦ Petroglyphs, 228 S. Park Ave.

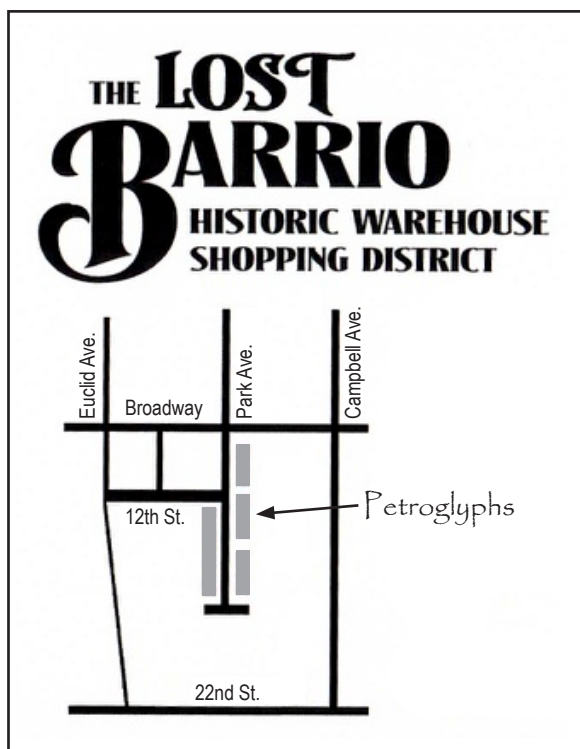
Our December meeting will be a celebration of the holidays and of research. We will provide the beer and wine. Please bring a dish to share! The highlight of the party will be our first Research Slam. Come support the AAHS Research and Scholarship fund by voting with your dollars for your favorite contestant.

If you have any questions about the potluck, please contact Donna Yoder at [donnayoder@cox.net](mailto:donnayoder@cox.net).

Many thanks to Jose Jimenez for offering use of his store for this event and to Sharon Urban for stirring up some Wetherill Stew.

**DIRECTIONS:** Petroglyphs is located in The Lost Barrio. If you are coming from the east on Broadway Blvd., turn south on Park Ave. There is

an overhead pedestrian crossing light at the intersection. If you get to Euclid Ave., you have gone too far. If you are coming from the west on Broadway Blvd., you can turn south at the light on Euclid Ave. and then go west on 12th Street.



## 1st Annual Research Slam

Sponsored by the Arizona Archaeological & Historical Society

The Research Slam's purpose is to celebrate research and **raise funds** for the AAHS Research and Scholarship program. In this fiery, high-speed competition researchers are invited to summarize their projects in an enthusiastic **Three Minute Presentation**. The Research Slam will take place at the annual **AAHS Holiday Party and Potluck**. Ten people will be chosen to present their research.



To apply send a project title to Katherine Cerino, Vice President of Activities at [kcerino@gmail.com](mailto:kcerino@gmail.com). Deadline is Dec 1st. Professionals, students and independent researchers are encouraged to participate. Final contestants will be chosen by the AAHS Board of Directors.

### Research Slam Rules

- Presentations are limited to 3 minutes.
- First prize will include a 10-year Kiva level AAHS membership. Winners of 1st, 2nd, and 3rd place will be offered a prize of their choice from such items as a personal tour of the ASM Pottery Vault with Mike Jacobs, a flint-knapping lesson with Allen Denoyer.
- Winners will be determined by popular vote (donations). Monies raised will go to the AAHS Research Fund.
- ▶ Presenters are encouraged to solicit funds from the audience through good humor, bribes, pleading, promise of special favors and other non-violent means.
- ▶ Props and costumes are encouraged.
- ▶ Research projects described should not be fictitious.
- ▶ Presenters may salt their own containers and may resort to collecting from colleagues and friends prior to the slam.

When: December 15, 2014

Where: Petroglyphs  
228 S. Park Ave  
Tucson, Arizona

Time: 6:00 pm

The Research Slam will be followed by a the Holiday Party potluck. Please bring a dish to share. Libations will be provided.

*glyphs*: Information and articles to be included in *glyphs* must be received by the first of each month for inclusion in the next month's issue. Contact me, Emilee Mead, at [emilee@desert.com](mailto:emilee@desert.com), or 520.881.2244.



## Upcoming AAHS Field Trips

*Participation in field trips is limited to members of AAHS.  
There is generally a 20-person limit on field trips, so sign up early.*

### Tumamoc Hill

**December 13, 2014**

#### TRIP FULL – WAITING LIST ONLY

Tumamoc Hill, just west of the Santa Cruz River in downtown Tucson, is a trincheras site with occupations going back to 500 B.C. There are also a large number of Hohokam petroglyphs. Our leaders will be Hohokam scholars Paul and Suzanne Fish and Peter Boyle and Gayle Hartmann, who led the AAHS rock art recording project on the hill. To register, email Katherine Cerino at [kcerino@gmail.com](mailto:kcerino@gmail.com).

### The Rehabilitation of the Historic Canoa Ranch

**January 9, 2015**

Join us for a walking tour of the historic headquarters at Canoa Ranch. Located in the upper Santa Cruz River Valley, Canoa Ranch is a listed Rural Historic Landscape in the National Register of Historic Places. The ranch is perhaps most notably associated with one of southern Arizona's pioneering families, the Mannings. Additionally, this portion of the Santa Cruz River Valley has a rich history of occupation beginning millennia ago, when residents engineered the river through extensive canal irrigation systems.

Simon Herbert, Program Coordinator with Pima County's Special Projects and Trades Division, and the park's preservation specialist, will give a brief presentation, followed by a tour of the ranch headquarters. Mr. Herbert will focus on some of the unique challenges associated with this type of rehabilitation work. The headquarters area includes a large number of adobe structures



**HOME ON THE RANGE:** Deezie Manning and Howell Manning Jr. at Canoa Ranch around 1949, in a photo taken for an American Airlines calendar (photo courtesy Deezie Manning-Catron)

undergoing active rehabilitation, including the Manning residences, ranch worker's homes, a grain room, blacksmith's shop, tack room, and the unique corral system. The Canoa project is a preeminent example of one of Pima County's voter-approved bond programs.

The park is on the east side of Interstate 19 about a mile north of the Canoa Ranch interchange. The tour will begin at 10:00 a.m. and end around noon. To register for the trip, please contact trip leader Cannon Daughtrey at [cannondaughtrey@email.arizona.edu](mailto:cannondaughtrey@email.arizona.edu). For more information on Canoa Ranch and Pima County Bond Programs please visit <http://www.friendsofcanoa.org/the-ranch>, <http://webcms.pima.gov/cms/One.aspx?pageId=1507>, and <http://webcms.pima.gov/government/bonds/>.

### Visit to Historic Ghost Town of Ruby

**February 28, 2015**

Join AAHS for a day trip to Ruby, Arizona, with guide Tallia Cahoon. Mrs. Cahoon's family lived in Ruby when she was born, and her family's house is still partially standing. Tallia also co-wrote a book about the town of Ruby, called *Ruby,*

*Arizona: Mining, Mayhem, and Murder*. In addition to her connections to Ruby, Tallia's family has long roots in southern Arizona, and she is very knowledgeable about the history of the area. Details of the trip are being developed. To register, contact Barry Price Steinbrecher at [bep2@email.arizona.edu](mailto:bep2@email.arizona.edu).



### Visit to the U of A Field School at Guevavi Mission

**March 21, 2015**

As a follow-up to the November AAHS lecture, Homer Thiel will lead a tour to the Guevavi Mission south of Tumacacori where University of Arizona field school excavations will be in progress. Details of the trip are being developed. To register for the trip, contact Leslie Aragon at [leslie@desert.com](mailto:leslie@desert.com).

**Dr. Larry Agenbroad**  
**April 3, 1933 – October 31, 2014**

The name “Larry Agenbroad” really is synonymous with “Ice Age Mammoths.” It is with great sadness that we report that Dr. Larry Agenbroad, prominent expert on mammoths, passed away on October 31, 2014, in Hot Springs, South Dakota. He was 81.

Larry Delmar Agenbroad was born on April 3, 1933, to Richard and Jenny Agenbroad on his family’s 160-acre farm south of Nampa, Idaho, about a mile from the Snake River. He graduated from Nampa Senior High School and attended Boise Junior College. Larry received his B.S. in geologic engineering from the University of Arizona in 1959, and in 1967, received his Ph.D. in geology, also from the University of Arizona.

Most of Larry’s academic career was spent at Chadron State College (Nebraska) and Northern Arizona University (Flagstaff).

Larry’s interest in mammoths began in the 1960s, when he was involved with excavations at the Murray Springs and Lehner Ranch Mammoth kill sites in southeastern Arizona. From there, his interest blossomed into a life-long commitment toward the study of mammoths the world over. He also conducted extensive research at



and on the Hudson-Meng Bison Kill site in Nebraska, Bechan Cave in southeastern Utah, Five Fingers Bison Kill site in Idaho, the pygmy mammoths of the Channel islands of California, and the frozen mammoths of the Siberian Steppe.

Larry is perhaps best known for his work at the Mammoth Site of Hot Springs in South Dakota, where 61 mammoths and other faunal remains have been recovered to date. He was the site director and principal investigator at the Mammoth Site for more than 40 years. The site has become not only a popular tourist stop, but is also an international research destination.

Larry is survived by his wife, Wanda, and sons, Brett and Finn and their families.

**Open Call for Contributions to a  
Special Issue of *Kiva***

You are invited to submit a contribution to a special issue of *Kiva* marking the 100th anniversary of the Arizona Archaeological and Historical Society. In addition to six seminal articles, a sample of up to 40 short mini-essays from all stakeholders in the archaeology of the U.S. Southwest and northwestern Mexico will be published. Stakeholders include professionals in all type of positions, avocationalists, members of descendent communities, and students.

Each mini-essay will address one issue or topic the author feels should be considered by southwestern archaeology in the future. The theme can be cultural historical, theoretical, methodological, ethical, social, or professional. Each contribution is limited to no more than 125 words and will not include citations or acknowledgments.

Please include your full name, affiliation (if any), address, e-mail address, and phone number.

Mini-essays submitted by February 15, 2015, will be given priority consideration. To submit a potential contribution or to ask a question, contact: Paul Minnis, 3332 N. Calle Largo, Tucson, AZ 85750 (or minnis@ou.edu; 405.323.1815).

*Kiva: The Journal of Southwestern Anthropology and History* is the premier English-language journal of the Southwest and North Mexico and has published peer-reviewed articles about archaeology, anthropology, history, and linguistics since 1935.

**Sample Mini-Essay (99 words)**

*Southwestern archaeology has become highly Balkanized. More often than not, archaeologists spend most of their careers focused on one region or time period. This has not always been the case. Kidder, Haurry, Sayles, and other early pioneers worked in multiple areas. The problem then is how to increase cross-regional communication. Otherwise, we minimize comparative developments and historical connections among regions. All stakeholding organizations and institutions should consciously encourage as wide a breadth as possible. This is especially critical for graduate programs that train future generations of archaeologists. Also, attendance and presentations at pan-regional meetings should be a priority.*

## Wonder What the Tucson Basin Was Like in the Sixteenth and Seventeenth Centuries?

This winter, AAHS will offer a four-part course entitled, *At the Point of Contact*. Lectures will be held at Catalina Methodist Church, 2700 E. Speedway Blvd. from 7:00 p.m. to 9:00 p.m. on four successive Thursdays, starting January 22, 2015. Enrollment is limited to 35 people. Classes will examine the people who were here from A.D. 1450 to the time of the Spanish arrival, their initial interaction with Europeans, and subsequent cultural transformation, as well as continuity. The final class will be from the Spanish perspective during the first days of exploration and colonization.

The series cost is \$30 for AAHS members and \$45 for non-members. (Non-members who join AAHS before the end of the course will receive a \$15 refund). Pre-registration is required. To ensure your place in the class payment must be received by January 1, 2015. To register, send an email to Lou Hillman at x37e@aim.com.

### January 22

*Overview of the Tucson Basin from A.D. 1450 to the Time of Spanish Contact*, Patrick Lyons, Director, Arizona State Museum  
*The Sobaipuris*, Dale Brenneman, Associate Curator of Documentary History, Arizona State Museum

### January 29

*The Tohono O'odham*, Dale Brenneman, Associate Curator of Documentary History, Arizona State Museum; Bernard Siquieros, Education Curator at the Tohono O'odham Cultural Center and Museum; Ronald Geronimo, Language & Culture Instructor, Tohono O'odham Community College

### February 5

*The Apache*, Nicholas Laluk, Coronado National Forest, White Mountain Apache Tribe; Sarah Herr, Desert Archaeology, Inc.

### February 12

*The Spanish Arrival*, Thomas Sheridan, The Southwest Center and School of Anthropology, University of Arizona; J. Homer Thiel, Desert Archaeology, Inc.

## Archaeology Café

Welcome to Archaeology Café, an informal forum where you can learn more about the Southwest's deep history and speak directly to experts. Archaeology Southwest's popular program is beginning its sixth season in Tucson (on the patio of Casa Vicente, 375 S. Stone Avenue) and its second season in Phoenix (in the Aztec Room at Macayo's Central, 4001 N. Central Avenue). Presentations begin after 6:00 p.m., although it is best to arrive by about 5:30 p.m. to get settled, as seating is open and unreserved, but limited.

The program is free, but participants are encouraged to order their own refreshments. Although kids may attend with adult supervision, Archaeology Cafés are best for adults and young adults.

### Tucson Schedule:

Dec. 2, 2014: *Mimbres, Mesoamerica, and Macaws*, Patricia A. Gilman  
Jan. 6, 2015: *When the New World Was Colonized*, Todd Surovell  
Feb. 3, 2015: *The Archaeology of Meat*, Karen Schollmeyer and Allen Denoyer  
Mar. 3, 2015: *When Is a Village?*, Lisa C. Young and Sarah Herr  
April 7, 2015: *Recent Work at Southern Arizona Guivavi Mission*, Barnet Pavao-Zuckerman and J. Homer Thiel  
May 5, 2015: *Agave Farmers*, Wendy Hodgson and Andrew Salywon

### Phoenix Schedule:

Dec. 16, 2014: *Opening a Window into the Past*, E. Charles Adams  
Jan. 20, 2015: *Luke A.F.B. 3300 B.C., a Tale of Men, Women, and Mesquite in the Ancient Phoenix Basin*, Jesse A. Ballenger  
Feb. 17, 2015: *Phoenix . . . A Direct Link to Our Past*, Jacob Butler and Ron Carlos  
Mar. 17, 2015: *Back and Forth*, Will Russell  
April 28, 2015: *The Hilltop Survey, West-central Arizona, 1988–Present*, David R. Wilcox

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## Cornerstone

Darlene Lizarraga, Director of Marketing  
Arizona State Museum

### Research Highlights Crop Domestication: The Root of All Evil?

It has been hypothesized that the proverbial “fall from grace” that resulted in Adam and Eve’s expulsion from the Garden of Eden actually refers to the advent of agriculture. The ability of humans to control their food sources, it turns out, is the root of all evil. Or, to be less dramatic, at least the source of a few unintended negative consequences.

Illustrating this point once again, Dr. James T. Watson, associate curator of bioarchaeology at the Arizona State Museum (ASM) and associate professor in the University of Arizona’s (UA) School of Anthropology, was up above 12,000 feet in elevation recently, on the shores of ancient Lake Titicaca in Peru, studying the skeletal remains of some of the area’s earliest residents, who lived before the domestication of plants and animals. Their remains indicate generally better health than would be expected in similar groups after domestication.

Watson was participating in archaeological investigations conducted by Dr. W. Randall Haas, a recent UA Ph.D., and now a postdoctoral scholar at the University of Maryland. Haas sought evidence of the origins of social complexity among hunter-gatherers on the Altiplano (high plain) of the Titicaca Basin. He excavated the site of Soro Mik’aya Patjxa in 2013, supported by a National Science Foundation Doctoral Dissertation Improvement Grant. He uncovered more than 80,000 artifacts from the site, including hundreds of

**Human health really starts to go downhill after we domesticate wild plants and animals...**

— Dr. James T. Watson

stone tools, such as dart points for spear throwers and grinding stones for processing local wild-plant foods, and 16 human burials. Haas’s discoveries indicate that mobile foraging groups who occupied the region kept returning to the same location...for more than 1,000 years. What’s more, radiocarbon dates from the site identify it as nearly 8,000 years old (circa 6000–4700 BCE), making Soro Mik’aya Patjxa the earliest securely dated open-air site in the Titicaca Basin and marking the burials as the oldest in the area.

This work is significant because the central Andean region is a likely center of domestication in South America for potatoes, quinoa, llama, and alpaca; the consistent investment in local resources by Late Archaic period foragers, as evidenced by Haas’s work, appears to have been a precursor to domestication.

Watson became involved because he is an expert in studying human remains to identify how the lifestyles and behaviors of ancient peoples affected their health and left traces on their skeletons. He has a long-term interest in understanding how the transition from foraging to agriculture impacted human health, and has conducted work on the subject in southern Arizona, northern Mexico, and northern Chile. Haas invited him to participate in the project to shed some light on the biology of these high plains foragers.

Watson explains, “Throughout our history, humans have worked hard to feed their families, a critical part of which was investing in reliable resources. This led to the domestication of numerous plant and animal species around the world, which means that we control their production. But it also had unintended consequences for our



Dr. Jim Watson in the field.

(continued on page 14)

health, including higher rates of infectious diseases and malnutrition as we settled in larger communities and began relying more heavily on a few domesticated crops.”

The burials from Soro Mik'aya Patjxa provide the chance for Watson to examine what maladies affected foragers prior to investments in agriculture and animal husbandry in one of the few original global centers of domestication. "Despite the seemingly harsh environment of the Altiplano, these Archaic foragers would have had considerable resources to exploit and were therefore likely very healthy." His preliminary results indicate this to be the case. "They would often wear their teeth down to the roots from a diet high in tough, fibrous plants and meat from vicuña, the wild camelid ancestor of the alpaca, and taruca, the Andean deer, but had few other health problems. Human health really starts to go downhill after we domesticate wild plants and animals, live in larger and more crowded communities, and experience a reduction in aerobic activity."

The results of this collaborative work will be submitted for publication to the journal *Latin American Antiquity*, and Haas has submitted the results from his work to several academic journals.

## Upcoming at ASM

## The Hopi Lifeways

December 13, 2014; 2:00–4:00 p.m. [Free]

Join us for a presentation by Alph H. Secakuku, a member of the Hopi Tribe. An artist, an author, a composer of Hopi traditional music, and a gallery owner, Mr. Secakuku will discuss the basics of the Hopi ceremonial calendar, Hopi values as he understands them, and the spiritual representations of Hopi katsina dolls. Mr. Secakuku owns and operates Hopi Fine Arts Gallery on Second Mesa and will bring katsina dolls and overlay jewelry to augment his presentation. In 1997, the Border Regional Library Association awarded the Southwest Book Award to Mr. Secakuku for literary excellence and enrichment of the cultural heritage of the Southwest.

## AAHS Membership Application

Membership is open to anyone interested in the prehistory and history of Arizona and the Southwest and who support the aims of the Society. Membership runs for a full year from the date of receipt, and covers all individuals living in the same household.

Monthly meetings are free and open to the public. Society field trips require membership. Members may purchase an annual JSTOR subscription to *Kiva* back issues for \$20 through the AAHS website.

## Membership Categories

- |           |   |
|-----------|---|
| ☐ \$50    | <b>Kiva members</b> receive four issues of the Society's quarterly journal <i>Kiva</i> and 12 issues of <i>Glyphs</i> |
| ☐ \$40    | <b>Glyphs members</b> receive <i>Glyphs</i>   |
| ☐ \$35    | <b>Student Kiva members</b> receive both <i>Kiva</i> and <i>Glyphs</i>  |
| ☐ \$75    | <b>Contributing members</b> receive <i>Kiva</i> , <i>Glyphs</i> , and all current benefits                            |
| ☐ \$120   | <b>Supporting members</b> receive <i>Kiva</i> , <i>Glyphs</i> , and all current benefits                              |
| ☐ \$300   | <b>Sponsoring members</b> receive <i>Kiva</i> , <i>Glyphs</i> , and all current benefits                              |
| ☐ \$1,000 | <b>Lifetime members</b> receive <i>Kiva</i> , <i>Glyphs</i> , and all current benefits                                |

*Note: For memberships outside the U.S., please add \$20. AAHS does not release membership information to other organizations.*

## Institutional Subscriptions

For institutional subscriptions to *Kiva*, contact Maney Publishing at subscriptions@maneypublishing.com or <http://maneypublishing.com/index.php/journals/kiv>. For institutional subscriptions to *Glyphs* (\$100), contact AAHS VP for Membership at the address below.

You can join online at [www.az-arch-and-hist.org](http://www.az-arch-and-hist.org), or by mailing the form below to:

Michael Diehl, VP Membership  
Arizona Archaeological and Historical Society  
Arizona State Museum, The University of Arizona  
Tucson, AZ 85721-0026

Name: \_\_\_\_\_ Phone : \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

E-mail:

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A A H S



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Arizona Archaeological and Historical Society  
Arizona State Museum  
University of Arizona  
Tucson, Arizona 85721-0026  
USA

## RETURN SERVICE REQUESTED

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.

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