



# glyphs

The Monthly Newsletter of the  
Arizona Archaeological and Historical Society

Vol. 68, No. 12

June 2018



*Livestock possess the ability to transform a local ecology and have the disruptive potential to be agents of colonialism.*

**Next General Meeting:**  
**June 18, 2018; 7:30 p.m.**  
**Duval Auditorium**  
**Banner-University Medical Center**  
**1501 N. Campbell Ave.**  
**Tucson, Arizona**  
[www.az-arch-and-hist.org](http://www.az-arch-and-hist.org)

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## President's Message

by John G. Douglass

### THE STATE OF AAHS

As we end another fiscal year of the Arizona Archaeological and Historical Society (AAHS), I want to provide all members with a report on our Society's accomplishments. AAHS is a non-profit that's 102 years old now. We are run by an all-volunteer board and a number of standing and ad-hoc committees, with the help of all the generous volunteer members who make things happen behind, and in front, of the curtain.

I'd like to start off by offering a HUGE THANK YOU to four current board members who are rotating off the board or have recently stepped down. *Katherine Cerino* has been on the board for a very long time and has served in a number of roles, including Vice President for Activities for many years. Katherine has brought so much to AAHS over the years, and I want to say a special thank you to her for everything she's done. She will continue to be a part of AAHS, I hope, for many years to come.

In addition, *Joanne Canalli* has been our wonderfully organized and fiscal-minded Treasurer for two terms now and has brought her background as a business manager to bear on our budgets and dollars. *Susan Crawford* has been on the board for quite a while and has represented AAHS many years in a row at the Arch Expo, wherever it happened to be across the state. *Nicole Mathwich* has been our student representative on the board for the last two years and has done an incredible job offering her knowledge to the board and keeping us connected to students at the University of Arizona. Dr. Mathwich recently defended her doctoral dissertation and, I'm sure, will be fully employed very soon. On behalf of AAHS, **THANK YOU TO ALL OF YOU for your service!!!**

As a result of the recent elections, *Pamela Pelletier*, *Fran Maiuri*, *Rebecca Renteria*, *Adam Sezate*, and *Evan Giomi* will be joining the Board. In addition, with Joanne Canalli leaving the board, continuing board member *Karen Schollmeyer* has agreed to become

the Treasurer, and we are very thankful to her. These incoming board members will offer a wide range of talents and interests, and we appreciate their willingness to serve!

THANK YOU to our

former, new, and continuing board members who will help lead the Society in the coming year!



So, what have we accomplished this year as a Society? One of our top priorities is to support the Arizona State Museum (ASM). Through the *Library Committee*, we have continued our book sales (note that we are again looking for donations of books) in support of ASM and have raised more than \$3,000 through sales for the ASM library acquisition fund. These sales as subsequent donations to ASM are the library's only means of support, so every dollar helps! *Melanie Deer* has been chair of this committee for a number of years and has recently stepped down. We really want to thank Melanie for all the dedicated work she did on behalf of AAHS and, ultimately, ASM. *Katherine Cerino* has agreed to be the next chair of the Library Committee, and we super appreciate her continued service.

Our *Research Grant Committee*, chaired by *Mike Lindeman*, has been hard at work this year, evaluating two different rounds of grant competitions. The Carryl B. Martin Award had strong competition and awarded \$3,900 to Kathryn Baustian of Skidmore College for a bioarchaeological study of the Mimbres, and \$1,100 to Brandon McIntosh of Washington State University to help with his study of early turkey domestication in the American Southwest. In addition, \$8,500 was awarded this year in Research and Travel Grants to 15 deserving grantees from eight different institutions, all of whom were detailed in the May issue of *Glyphs*. We are looking forward to hearing more about the results of these grants in the future!

The *Field Trip Committee*, chaired by *Katherine Cerino*, has taken members on monthly field trips across Arizona and New Mexico

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this past year to see amazing archaeological and historical resources. Highlights included Perry Mesa, the Cerro Prieto Trincheras site, lower Gila River sites, the Amerind Foundation Museum, and a spectacular trip to Zuni Pueblo. The trips for this coming year look great, as well. Field trips are a big draw for membership and it takes hard work from a committed cast of volunteers to offer these each month! I know I speak for the Society when I say thank you to the hard working **Field Trip Committee**! Related to this, we continue each month to have terrific speakers—including avocationalists, students and professors, professional historians and archaeologists, and tribal members—on a wide variety of topics related to archaeology and history of the American Southwest, northwest Mexico, and beyond. Attendance continues to be great, with an average of approximately 80 people per lecture.

The **Publications Committee**, chaired by *Sarah Herr*, has continued to be busy with a huge number of tasks. It oversaw the judging of the Hayden Student Paper Prize, funded by AAHS and the Arizona Archaeological Council, and awarded it to Katelyn J. Bishop (University of California, Los Angeles) and Samantha G. Fladd (University of Arizona) for their paper “Ritual Fauna and Social Organization at Pueblo Bonito, Chaco Canyon.”

The peer-reviewed journal *Kiva*, under the editorship of Deb Martin, continues to be a success. I recently checked with JSTOR and our publisher, Francis and Taylor, and learned that, combined, during 2017, *Kiva* articles were accessed more than 31,000 times! While scholars in the U.S. continue to be the most interested in *Kiva*, scholars, students, and other interested people in 74 countries accessed articles in *Kiva* last year. This information is really incredible to me.

Members continue to look forward to our newsletter, *Glyphs*, delivered in digital and print formats, for timely information about the Society. *Emilee Mead*, our *Glyphs* editor, does an incredible job each month! The committee also judged the Subvention Award competition and the board voted to award the grant to help offset publication costs for three different volumes focused on the American Southwest!

The *Awards Committee*, chaired by **Ron Towner**, has continued to work hard during the year and awarded the Byron Cummings Award to Patricia Crown and Marc Simmons and the Victor R. Stoner Award to J. Homer Thiel and David Doyel. The board also gave Appreciation Awards to the hardworking volunteers on the Cocoraque Butte rock art project. Finally, the inaugural awards of the Alexander J. Lindsay, Jr. Unsung Heroes Award went to Barbara Breternitz and Cherie Freeman. We welcome your nominations for future awards.

Our *Finance Committee*, chaired by Jeff Clark, continues to keep on top of our endowment and investment funds. These funds have grown substantially during the time I've been on the board and recently reached the \$600,000 mark! Using up to 4 percent of the various funds each year and continuing to grow the principal allows us to continue to support AAHS programs.

As described earlier this year in *Glyphs*, the board voted to begin a new program to help encourage students of diverse, and possibly underrepresented, backgrounds learn more about the history and archaeology of Arizona and the rest of the American Southwest and northwest Mexico. This new grant program, called the F. Lewis Orrell Bequest Curriculum Development Award, is designed to offer up to \$5,000 a year for teachers to create new curriculum or skills for teaching about the topic described. Board member **Robin Rutherford** has worked hard to get this program off and running, and we thank her for those efforts!

AAHS also sponsors several research projects and have funded various aspects of them. The Cocoraque Butte Rock Art project is done documenting rock art and associated features northwest of Tucson and has recently presented a talk to the AAHS on their results. The Desperation Ranch project is in the process of analysis. The Fort Mason project is gearing up for analysis and report writing.

In sum, AAHS is in good shape and doing impressive things, in large part to the membership's generous donations of funds and labor. Thank you all so much for everything you do to make AAHS such a great organization of which to be a part!

*Follow AAHS on Facebook at [www.facebook.com/pages/Tucson-AZ/Arizona-Archaeological-and-Historical-Society](http://www.facebook.com/pages/Tucson-AZ/Arizona-Archaeological-and-Historical-Society)*

## June 18: Topic of the General Meeting

### *Landscapes of Resilience: O'odham Resource Use in the Colonial Pimería Alta*

Nicole M. Mathwich  
University of Arizona

The Columbian Exchange was the vast and pervasive transfer of animals, plants, diseases, and people between the Americas, Africa, and Eurasia. Archaeologists studying the Exchange have examined emergent identities, cultural persistence, and the long-term political ramifications of archaeological interpretations of cultural change for indigenous peoples of the Americas; however, less attention has been given to investigating the mechanisms of how native peoples negotiated the introduction of European livestock within their local environments. Livestock possess the ability to transform a local ecology and have the disruptive potential to be agents of colonialism. Without adequate analysis of indigenous peoples' experiences of this facet of colonialism, there is a risk of under-valuing local knowledge and ecological constraints.

My research integrates society, economy, and ecology to study shifts in indigenous landscape use following the introduction of livestock. I use multiple, independent lines of evidence to examine how local conditions influenced indigenous responses to colonial pressures at Spanish colonial mission and presidio sites between AD 1685 and AD 1850 in the Santa Cruz Valley (southern Arizona and northern Sonora). Using mission registers, agent-based modeling, zooarchaeological data, and stable isotope analysis, I investigated how O'odham resource use responded to colonial demands.

My findings identify multi-site patterns in resource use and reflect a mix of reorganization of resources in response to colonial pressures and the persistence of traditional landscape use. These results broaden understandings of the diverse responses of indigenous

communities to Spanish colonialism and emphasize the importance of local dynamics in shaping colonial interactions.

**Suggested Readings:**

Pavao-Zuckerman, Barnet

2011 Rendering Economies: Native American Labor and Secondary Animal Products in the Eighteenth-Century Pimeria Alta. *American Antiquity* 76:3–23.

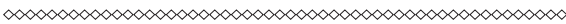
Sheridan, Thomas E.

2016 *Landscapes of Fraud: Mission Tumacácori, the Baca Float, and the Betrayal of the O’odham*. University of Arizona Press, Tucson.

Thiel, J. Homer, and Barnet Pavao-Zuckerman

2016 *Archaeology at the Mission of Sorrows: Archaeological Test Excavations at the Guevavi Mission Site, AZ EE:9:1 (ASM), Santa Cruz County, Arizona*. Technical Report No. 2015-12. Desert Archaeology, Inc., Tucson.

*Speaker Nicole Mathwich recently finished her Ph.D. at the University of Arizona and has worked on the archaeology of colonialism for the past nine years in Arizona, northern California, and Sonora, Mexico. Her research integrates ecology and economy through a multi-facted, critical approach to artifacts, historical documents, and computer modeling. Nicole has served for the past two years as the Student Representative to the AAHS Board.*



**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.

- June 18, 2018: Nicole M. Mathwich, *Landscapes of Resilience: O’odham Resource Use in the Colonial Pimería Alta*
- July 16, 2018: Karen Schollmeyer, *Perforated Plates, Fish Bones, and the Archaeology of the Upper Gila River in the Fourteenth Century*
- Aug. 2018: No Lecture: Pecos Conference, August 9–12, Flagstaff, Arizona



## 2018 PECOS CONFERENCE WEBSITE IS LIVE

The website for the 2018 Pecos Conference is now live at <http://www.pecosconference.org/>. It includes

information about the conference location, amenities, and the

presentation submission form. If you are not planning on camping

with us, please visit the Notes and Accommodations sections soon to plan your hotel stay. Early

Registration and Vendor Registration will open about May 1, so please make sure to periodically check the website for new

information. The conference will be held at the Flagstaff Hotshot Camp on the Coconino National Forest, August 9–12. Individuals

and organizations interested in assisting in the organization as partners, sponsors, or vendors may contact Kimberly Spurr at

[organizer@pecosconference.org](mailto:organizer@pecosconference.org).



## 20th Biennial Mogollon Archaeology Conference

**C**all for Papers! New Mexico State University will host the 20th Biennial Mogollon Archaeology Conference October 11–13, 2018, in Las Cruces. Visit the conference website at: [www.lonjulnet/mog2018/](http://www.lonjulnet/mog2018/). Papers, presentations, or special sessions that relate to the archaeology of the Mogollon region are welcome. Submit your abstract by August 1, 2018, to Dr. Lonnie C. Ludeman, [lludeman@zianet.com](mailto:lludeman@zianet.com). Notifications of acceptance will be sent by August 8, 2018.

*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.



## Cornerstone

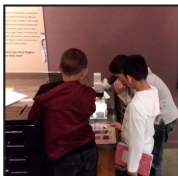
*Darlene Lizarraga, Director of Marketing  
Arizona State Museum*

# THANK YOU, AAHS

for your support of ASM's

## SCHOOL PROGRAMS

Your annual underwriting makes it possible for underfunded school groups to visit ASM. Since 2012, you have assisted more than 2,500 students, teachers, and chaperones who otherwise would not have been able to afford a field trip. Thank you!



THE UNIVERSITY OF ARIZONA

**ARIZONA  
STATE MUSEUM**

## MEMBERSHIP DUES TO INCREASE JUNE 30, 2018

After significant debate, the AAHS Board has decided to raise membership dues as of June 30, 2018, to keep a healthy operating balance. It has been quite a few years since the last increase, and publication and distribution costs for *Glyphs* and *Kiva* have increased significantly. The new rates will be:

*Glyphs* Membership: \$45.00

*Kiva* Membership: \$60.00

Contributing Membership: \$100

Supporting Membership: \$150

Lifetime Membership: \$1500

Student membership: \$35 (no change).

Please remember that AAHS memberships include all members of a single household.



## Old Pueblo Archaeology Educational Programs

Old Pueblo Archaeology Center offers speakers to give presentations on various topics for educators and other adults, as well as for children, upon demand.

Examples of topics include:

- ◆ Archaeological Excavations on the Eastern Tohono O'odham Reservation
- ◆ Archaeological Excavations in the Green Valley Area
- ◆ Teaching the Fundamentals of Archaeology
- ◆ The Study of Chipped Stone Tools
- ◆ The Study of Prehistoric Ceramics
- ◆ The Peoples of Ancient Arizona

To schedule a speaker on these or other Southwestern archaeology, history, and culture topics your organization might like to hear about, contact Old Pueblo Archaeology Center at 520.798-1201.

## 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. If you are joining as a household, please list all members of the household. Monthly meetings are free and open to the public. Society field trips require membership.

### Membership Categories

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

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

I wish to receive *Glyphs* by (circle your choice):      Email      Mail      Both

I am interested in volunteering in AAHS activities:      Yes      Not at this time

### Institutional Subscriptions

University libraries, public libraries, museums, and other institutions that wish to subscribe to *Kiva* must do so through the publisher, Taylor & Francis at tandfonline.com. 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:

Barbara Montgomery, 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: \_\_\_\_\_

#### Officers

President: John Douglass | [jdouglass@srcrm.com](mailto:jdouglass@srcrm.com) | 909.213.2775  
Vice President for Activities: Katherine Cerino | [kcerino@gmail.com](mailto:kcerino@gmail.com) | 520.907.0884  
Vice President for Membership: Barbara Montgomery | [bmontgomery@tierra-row.com](mailto:bmontgomery@tierra-row.com) | 520.861.1653  
Recording Secretary: Michael Diehl | [mdiehl@desert.com](mailto:mdiehl@desert.com)  
Communications Officer: John Hall | [john.hall@terracon.com](mailto:john.hall@terracon.com)  
Treasurer: Joanne Canalli | [jcanalli@email.arizona.edu](mailto:jcanalli@email.arizona.edu)

#### Directors

Kirk Astroth	Patricia Gilman	Robin Rutherford	James Watson
Suzanne Crawford	Sharlot Hart	Karen Schollmeyer	Nicole Mathwich, Student Representative

#### Editors of Society Publications

*Kiva*: Debra Martin, Acquisitions Editor | [debra.martin@unlv.edu](mailto:debra.martin@unlv.edu)  
*Glyphs*: Emilee Mead | [emilee@desert.com](mailto:emilee@desert.com) | 520.881.2244

### Board of Directors 2017-2018

A A H S



Est. 1916

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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