



# glyphs

The Monthly Newsletter of the  
Arizona Archaeological and Historical Society

Vol. 73, No. 9

March 2023



**Next General Meeting:**  
**March 20, 2023**  
**7:00 pm (MST)**  
**AAHS@Home (Zoom webinar)**  
[www.az-arch-and-hist.org](http://www.az-arch-and-hist.org)

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## President's Message

by Rebecca Renteria

*There will not be a President's Message this month, but it will return for the April 2023 issue. Thank you for your patience.*



### AAHS Lecture Series

- Mar. 20, 2023: Julio Amador Bech, *Rain and Fertility Symbolism in the Rock Art and Cultural Landscape of the Trincheras Sites of Northwestern Sonora*
- Apr. 17, 2023: Patricia Crown, *Drinking Rituals and Politics in Chaco Canyon*
- May 15, 2023: TBA
- June 19, 2023: Thatcher Rogers, *TBA*



### AAHS USED BOOK SALE MARCH 4-5

We will be set up in front of the Arizona State Museum during the Tucson Festival of Books, March 4-5. Lots of new titles, especially history and biography. As always, the sale supports the Arizona State Museum library. Please stop by, browse, and buy.

*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).

## CALL FOR NOMINATIONS

*The Arizona Archaeological and Historical Society welcomes nominations for three annual awards. Nomination letters and curriculum vitae (if appropriate) should be emailed to Kerry F. Thompson (Kerry.Thompson@nau.edu) no later than May 1, 2023. Awardees will be selected by the Awards Committee and approved by the AAHS Board of Directors. Awards will be presented at the Pecos Conference in August.*

### **Byron Cummings Award**

*The Byron Cummings Award is given in honor of Byron Cummings, the principal professional founder of the Society, the first head of the University of Arizona's Department of Archaeology (later Anthropology), and the first Director of the Arizona State Museum. The Byron Cummings Award is given annually for outstanding research and contributions to knowledge in anthropology, history, or a related field of study or research pertaining to the southwestern United States or northwest Mexico.*

### **Victor R. Stoner Award**

*The Victor R. Stoner Award is given in honor of Reverend Stoner, a strong avocational historian, supporter of the Society, and one of the founders of *Kiva*. The Victor R. Stoner Award is given annually for outstanding contributions in leadership or participation in the Society; fostering historic preservation; or bringing anthropology, history, or a related discipline to the public.*

### **Alexander J. Lindsay, Jr. Unsung Heroes Award**

*The Alexander J. Lindsay, Jr. Award is given in honor of Dr. Lindsay, a long-time southwestern archaeologist, AAHS member, and Officer. This award is given annually as a lifetime service award to those individuals whose tireless work behind-the-scenes has often gone unrecognized, but that is often critical to the success of others' research, projects, and publications. These may be field personnel, laboratory managers, archivists, cooks, analysts, and others.*

## March 20: Topic of the General Meeting

### *Rain and Fertility Symbolism in the Rock Art and Cultural Landscape of the Trincheras Sites of Northwestern Sonora*

*Julio Amador Bech*

Trincheras archaeological sites of northwestern Sonora (AD 200–1450) are located in the lower Sonoran Desert, along the Magdalena, Altar, and Asunción/Concepción River drainages and adjacent volcanic hills. The Trincheras tradition is characterized by terraced hillsides with stairs, ramps, and pathways connecting the terraces (trincheras). On the summits are stone alignments serving as observatories with views to the heavens and the surrounding landscape. In the foothills are bedrock mortars and metates. On the adjacent plains are plazas, rock alignments, shallow pithouses, roasting pits for cooking agave, and domestic debris, such as shell artifacts, lithic debitage, and potsherds representative of the Trincheras complex.

The terraced hills and adjacent plains contain thousands of petroglyphs. These rock engravings are concentrated in areas with heavily patinated rocks and in areas where creeks form during the rainy season. Examined collectively and in conjunction with ethnohistoric, ethnographic, and astronomical data, we suggest Trincheras archaeology reveals a complex cultural system that provided the community with collective goals transcending the immediate needs of food, shelter, and defense. The archaeological remains within their landscape settings are microcosmic expressions of a larger cosmological scheme involving increased rituals related to rain production and fertility. They demonstrate the cultural

*This lecture is free and open to the public, but you must pre-register at:  
<https://bit.ly/2023MarAmadorREG>*

uniqueness that human action on the landscape adopted in these sites and reflect the complex cultural relations this tradition had with its neighbors from northwestern and western Mexico, as well as with the American Southwest, such as the Hohokam and Pueblo. Further, Trincheras archaeology manifests important cultural traits associated traditionally with the complex cosmologies and mythologies of Mesoamerica, but that are earlier expressed in Archaic period rock art that can be found to the north in the American Southwest.

**Speaker Julio Amador Bech** is a Professor in the Political and Social Sciences Faculty at the National Autonomous University of Mexico [Universidad Nacional Autónoma de México] (UNAM). He specializes in cultural anthropology, archaeology, communication, hermeneutics, and the anthropology of art. He has been a Level II National Researcher in the National System of Researchers (SNI) since 1980, dedicated to research in the above areas. From 2016 until the present, Julio developed and is conducting a research project on rock art in Chalcatzino Morelos, Mexico and is developing research on the rock art of the Sonoran Desert in Mexico. Julio has published eight books about anthropology, archaeology, and hermeneutics with UNAM, many chapters in collective books, and 37 articles in specialized scientific journals.



### **Suggested Reading:**

Amador Bech, Julio

- 2008 *El Significado de la Obra de Arte, Conceptos Básicos para la Interpretación de las Artes Visuales*. UNAM, Mexico City.
- 2011 *Cosmovisión y Cultura. Tradiciones Míticas de los O'odham: Su Relación con el Entorno Natural y la Vida Social*. FCPyS-IIA-UNAM, Mexico.
- 2017 *Símbolos de la Lluvia y la Abundancia en el Arte Rupestre del Desierto de Sonora*. Secretaría de Cultura/ENAH-INAH/Mil Libros Editores, Mexico City.

Cole, Sally J.

- 2009 *Legacy on Stone. Rock Art of the Colorado Plateau and Four Corners Region*. Johnson Books, Boulder.

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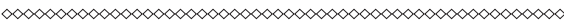
Elson, Mark D.  
2008 Into the Earth and Up to the Sky: Hohokam Ritual Architecture. In *The Hohokam Millenium*, edited by S. K. Fish and P. R. Fish. School for Advanced Research Press, Santa Fe.

Fish, Suzanne K., and Paul R. Fish  
2007a Regional Heartlands and Transregional Trends. In *Trincheras Sites in Time, Space and Society*, edited by S. K. Fish, P. R. Fish, and M. E. Villalpando. University of Arizona Press, Tucson.  
2007b Una Mirada Desde las Alturas. Elementos Arquitectónicos e Ideología en los Cerros de Trincheras. In *Memoria del Seminario de Arqueología del Norte de México*, edited by C. García M. and E. Villalpando. Coordinación Nacional de Arqueología-Centro, INAH, Sonora, Mexico.

Lindauer, Owen, and Bert Zaslów  
1994 Homologous Style Structures in Hohokam and Trincheras Art. *Kiva* 59:319-344.

Navarrete Linares, Federico  
2011 *Los Orígenes de los Pueblos Indígenas del Valle de México. Los Altépetl y sus Historias*. Universidad Nacional Autónoma de México, Mexico City.

Zavala, Bridget  
2006 Elevated Spaces: Exploring the Symbolic at Cerros de Trincheras. In *Religion in the Prehispanic Southwest*, edited by C. S. VanPool, T. L. VanPool, and D. A. Phillips Jr. AltaMira Press, New York.



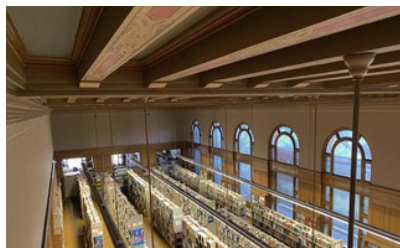
**Do You Want To Serve AAHS?  
Are You An Educator? AAHS Needs You!**

The F. Lewis Orrell Jr. Bequest Curriculum Development Award Committee is seeking two members. This committee oversees the administration and granting of the award, which, each year, funds multiple applications from teachers, usually in the range of \$500 to \$1,000. These are awarded for curriculum enhancement related to the archaeology, history, or anthropology of the American Southwest.

Send your interest in this committee to AAHS1916@gmail.com. Please include a statement about why you are interested and what parts of your background would help the committee's duties.

## Is There A Book You Would Like Added To The ASM Library?

The ASM Library and Archives is a publicly accessible research collection specializing in the anthropology of the southwestern United States and northern Mexico, including archaeology, ethnology, ethnohistory, and material culture. Molly



Stothert-Maurer, the librarian, has informed us that they are open to purchasing new titles for the library by request. Requests can be sent to [larc@arizona.edu](mailto:larc@arizona.edu). The criteria for new additions are titles related to the anthropology of the southwestern United States and northern Mexico, including archaeology, ethnology, ethnohistory, and material culture. For more information about the library or to access their catalog, visit <https://statemuseum.arizona.edu/visit/collections/library-and-archives>. The library also has a new self-service scanner available to the public.

The library is currently open from 11 am to 4 pm Tuesdays, Wednesdays, and Thursdays.

### AMERICAN ROCK ART RESEARCH ASSOCIATION CONFERENCE (ARARA) TUCSON, ARIZONA

**What:** ARARA conference includes workshops, papers, and field trips

**When:** March 10-13, 2023

**Where:** Sheraton Tucson Hotel and Suites  
5151 E. Grant Road, Tucson, Arizona

**More Info:** <https://arara.wildapricot.org/Conf-Registration-2023h>





## Current Research

### **Los Barros de Juan Quezada (*The Clays of Juan Quezada*): Ethnographic and Compositional Analyses of Juan Quezada's Clay Sources in and near Juan Mata Ortiz, Chihuahua, Mexico**

*Marin P. Hopkins and Kelsey E. Hanson  
In Collaboration with Juan Quezada Celado*

**J**uan Quezada is a well-known ceramicist from the village of Mata Ortiz, Chihuahua, Mexico, who has spent his life studying the rocks and minerals near his home. While Mr. Quezada's contribution to the internationally renowned Mata Ortiz pottery tradition is well established, his knowledge of the physical environment remains an underrepresented aspect of his legacy.

As a pilot project conducted in 2021, Maren Hopkins and Mr. Quezada began mapping clay sources near Mata Ortiz as a way to recognize clay procurement as an important component of the Mata Ortiz pottery tradition. With funding from the Martin-Orrell Research Grant, Ms. Hopkins and Ms. Hanson expanded the work to identify the chemical compositions of these clays at each stage of pottery production and learn how they are affected at different stages of the pottery-making process.



*Juan Quezada and Maren Hopkins*

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On March 29, 2022, Maren Hopkins and Kelsey Hanson were granted the Carryl B. Martin-F.Lewis Orrell Jr. Award to conduct a project in collaboration with master potter Juan Quezada to identify and analyze clay sources near Juan Mata Ortiz, Chihuahua (Mata Ortiz).



Drawing upon ethnographic and archaeological methods, the project compares behavioral and compositional results to characterize Mr. Quezada's clay procurement and processing techniques. Ms. Hopkins interviewed Juan Quezada about the qualitative aspects of different clays to further understand his preference for certain clays and the processing techniques involved in achieving "good" clay, while Ms. Hanson took the lead in analyzing the chemical characteristics of the clays.

The qualitative aspects of the clay range from color to location to workability. Juan Quezada expressed that some clays require



significant alterations and additions to reach the desired characteristics, while other clays are ready to use almost immediately after being removed from the ground, with minimal processing.

The compositional analyses of Mr.

Quezada's clays are still in progress. Using X-ray diffraction (XRD) and neutron activation analysis (NAA), our project is evaluating compositional changes between clays at three stages of Mr. Quezada's pottery production: (1) raw, unprocessed clay; (2) unfired, processed clays; and (3) fired mini-vessels. One expectation from the compositional analyses is that modifications to the clay fabric during pottery production (i.e., addition of tempers or colorants, and transformations resulting from firing) will result in detectable compositional changes. Thus far, our preliminary results show that this is true.

For example, XRD analysis shows clear compositional changes and mineralogical transformations between raw, unfired, and fired clays. Results from NAA analysis will provide an important complement to these preliminary results, which is currently being

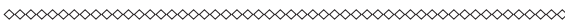
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conducted by researchers at the University of Missouri Research Reactor. These results have important implications for archaeological ceramic manufacture studies and, ultimately, illustrate the importance of combining insights from ethnographic, archaeometric, and archaeological perspectives.

This project will be completed in the summer of 2023. Ms. Hopkins and Ms. Hanson plan to produce a booklet in Spanish and English appropriate for lay audiences, as well as publish academic articles summarizing the technical results of the project.

Juan Quezada passed away on December 1, 2022. He will always be loved and missed by his family, friends, and countless supporters. He left a significant impact on the world of art, anthropology, history, and the economy of northern Chihuahua. His legacy will live on through his generosity, his endless creativity, and the beauty brought into the world throughout his life.



# UPCOMING AAHS FIELD TRIPS

*AAHS is in the process of planning additional field trips for the 2022–2023 year.*

## **Mimbres Tour—Pueblos, Pottery, and Petroglyphs March 10–12, 2023**

Mimbres scholar Pat Gilman will be leading a tour of large Classic period (CE 100–1130) pueblos in the Mimbres Valley, beginning Friday afternoon, March 10, through Sunday morning, March 12. The tour will also visit two local museums that have wonderful collections of Mimbres black-on-white pottery and to the famous Pony Hills Petroglyph site. Depending on how long the tour spends in these places, other site and rock art visits are possible. Participants can stay in Silver City the first night and either Silver City or Deming the second night. Camping



is also an option. The tour will meet members of the Grant County Archaeological Society who have done an amazing job making the Mimbres Classic period Mattocks site and the historic houses next to the site accessible to the public. And most fun of all, the tour will discuss how and why people in the Mimbres Valley during the Classic period were so successful and their relationships to macaws and the Hero Twins.

The trip is limited to 20 people, and you must be an AAHS member to participate. There will be some short hiking of a few miles during the site visits. High clearance vehicles are recommended for visiting the Pony Hills petroglyph site. To sign up, email [aahs1916@gmail.com](mailto:aahs1916@gmail.com).

### **Roosevelt Neighborhood Walking Tour—Historic Architecture of Downtown Phoenix** **April 1, 2023**

Bob Graham, a local Phoenix architect with expertise in historic preservation,



will be leading a walking tour of the historic Roosevelt Neighborhood in downtown Phoenix. Roosevelt is listed on the National Register of Historic Places and features a wide variety of historic commercial and residential structures. This neighborhood encapsulates the growth and development of Phoenix in the late nineteenth to early twentieth centuries. Roosevelt developed into a streetcar suburb and was an early hub for the growing tourist industry in Phoenix. The neighborhood preserves fine examples of Craftsman bungalows and Period Revival houses, as well as early examples of city shopping centers. The walking tour will explore the stories of the people who built this storied community and the diverse architectural traditions preserved to this day.

The trip is limited to 20 people, and you must be an AAHS member to participate. To sign up, email [aahs1916@gmail.com](mailto:aahs1916@gmail.com).

## Cornerstone

*Darlene Lizarraga, Director of Marketing  
Arizona State Museum*

# Two In-Person Classes to Enjoy This Spring at ASM



### Care of Silver Jewelry Workshop

Saturday, March 25, 2023

10:00 a.m. – 3:00 p.m. at the Arizona State  
Museum's conservation lab

Learn how to care for, clean, and properly store silver jewelry. Conservation experts will share their expertise with you in this one-day, hands-on workshop. All supplies provided.

Limited to 15 participants.

\$180 ASM members or \$210 non members.

Free campus parking.



### Man's Best Friend: Exploring the Human-Dog Relationship Through Time

A four-part master class taught by Dr. Martin Welker, assistant curator of zooarchaeology and assistant professor of anthropology

Saturdays, April 15, 22, 29, and May 6, 2023

10:00 a.m. - 12:00 p.m. at the Arizona State  
Museum, Room 309

Limited to 12 participants.

\$170 ASM members or \$200 non members.

Free campus parking.

**Contact Darlene Lizarraga at [dfi@arizona.edu](mailto:dfi@arizona.edu) or  
520-626-8381 for more information and/or to register.**

## 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

- ☐ \$60      **Kiva members** receive four issues of the Society's quarterly journal *Kiva* and 12 issues of *Glyphs*
- ☐ \$45      **Glyphs members** receive *Glyphs*
- ☐ \$35      **Student Kiva members** receive both *Kiva* and *Glyphs*
- ☐ \$100      **Contributing members** receive *Kiva*, *Glyphs*, and all current benefits
- ☐ \$150      **Supporting members** receive *Kiva*, *Glyphs*, and all current benefits
- ☐ \$300      **Sponsoring members** receive *Kiva*, *Glyphs*, and all current benefits
- ☐ \$1,500      **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:

Deil Lundin, 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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Co-Vice Presidents for Activities: Fran Maiuri | [f.maiuri@gmail.com](mailto:f.maiuri@gmail.com)  
Maxwell Forton | [mforton1@binghamton.edu](mailto:mforton1@binghamton.edu)  
Vice President for Membership: Deil Lundin | [dlundin@aztec.us](mailto:dlundin@aztec.us)  
Recording Secretary: Barbara Montgomery | [bmontgomery@tierra-row.com](mailto:bmontgomery@tierra-row.com)  
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Treasurer: Bill Gillespie | [wbgillespie@gmail.com](mailto:wbgillespie@gmail.com)

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*Glyphs*: Emilee Mead | [emilee@desert.com](mailto:emilee@desert.com) | 520.881.2244

### Board of Directors 2022-2023

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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