Old Pueblo Archaeology Center's "Third Thursday Food for Thought" Series
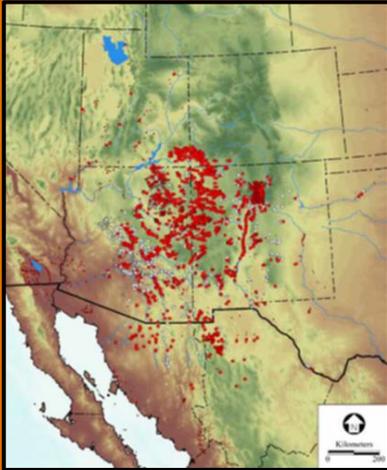
cyberSW: A Digital Gateway to Explore Southwestern US/Northwestern Mexico Archaeology

A free online presentation by
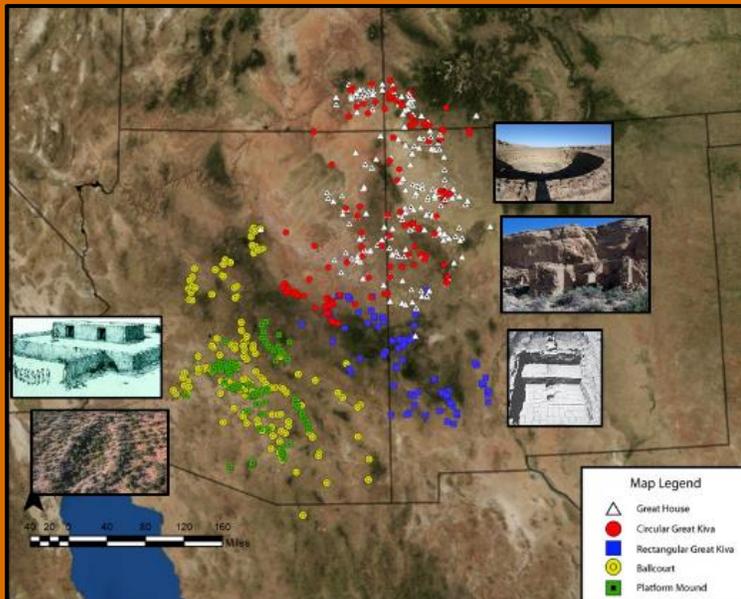### Archaeologists Jeffery J. Clark, PhD and Joshua Watts, PhD

Thursday March 16, 2023, 7 to 8:30 pm
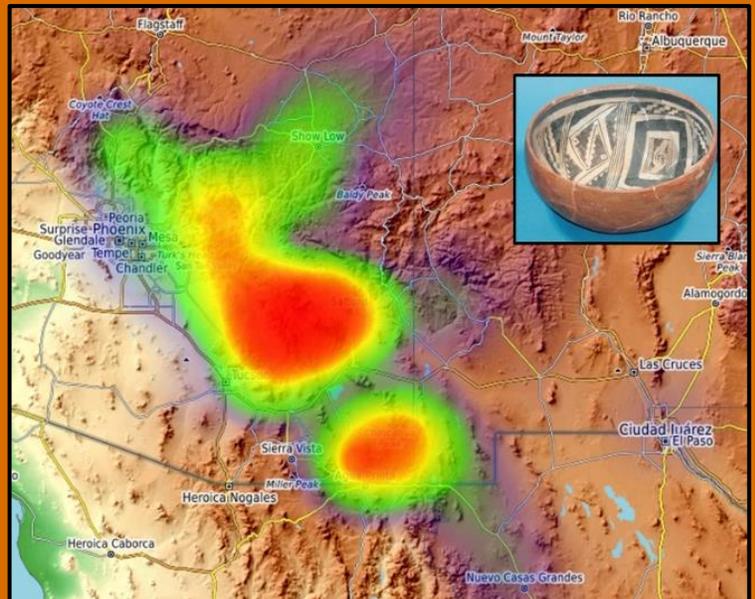**Arizona/Mountain Standard Time (Same as Pacific Daylight Time)**

cyberSW is a large graph database and open access web platform to facilitate exploration of the US Southwest/Mexico Northwest archaeological record by a variety of audiences. Actual archaeological site locations are masked.

cyberSW has been developed over the course of 20 years by combining a number of regional databases, many funded by the National Science Foundation, that have focused on reconstructing precontact demographic trends, migration, social networks, and identity. In addition, data from many cultural resource management projects as well as unpublished sources and new analyses have been added.

Distribution of the nearly 22,000 archaeological sites Recorded in cyberSW

Distribution of archaeological platform mounds, ballcourts, circular and rectangular great kivas, and great houses in the US Southwest

Map Legend
△ Great House
● Circular Great Kiva
■ Rectangular Great Kiva
◎ Ballcourt
■ Platform Mound

Density heat map of Roosevelt Red Ware (Salado Polychrome) generated in *cyberSW* using ceramic assemblages from 369 settlements containing this ware

(See more information on next page)

To register for the Zoom program go to
https://us06web.zoom.us/webinar/register/WN_rMpNlJmVShqy3nJ4w5EiTA.
For more information contact Old Pueblo at 520-798-1201 or info@oldpueblo.org.
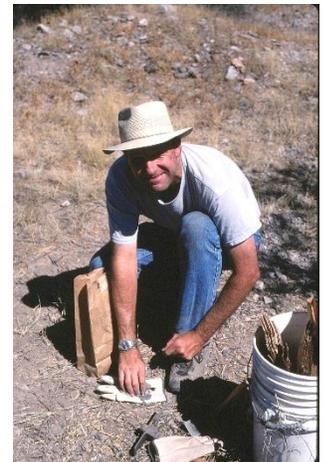
cyberSW . . .

The current version of *cyberSW* contains standardized information, at the archaeological site level, of room counts and occupation span from more than 22,000 settlements, 16 million ceramic records, 17,000 geochemically sourced obsidian artifacts, and 1200 sites with ceremonial or public architecture. The next version of *cyberSW*, which is currently under development in collaboration with a Tribal Working Group, will enhance resolution to the household, cultural feature, and stratum level and will have the capacity to add virtually all classes of nonmortuary archaeological data using standardized classification schemes.

This presentation will discuss the history of *cyberSW*, demonstrate some of the capabilities of the current web platform, and explore short- and long-term future directions. Audience participation and feedback will be encouraged.

This month's guest presenters

Dr. Jeffery J. Clark, PhD has been a Preservation Archaeologist at Archaeology Southwest for more than 20 years and is an adjunct Associate Professor in the School of Anthropology, University of Arizona. Jeff received his BA from Cornell University and his MA and PhD from the University of Arizona. In the 1980s and early 1990s he worked extensively in southwestern Asia including Israel, Syria, and Iraq, and over the past 30 years has directed projects in southern Arizona and southwestern New Mexico through Archaeology Southwest and Desert Archaeology, Inc. His research has focused on human migration, especially related to the Salado phenomenon in the late precontact US Southwest. He has been a principal investigator on several National Science Foundation-funded collaborative projects compiling large databases to reconstruct regional demographic trends and social networks, and currently is lead PI on an NSF grant to greatly expand the capacity and enhance the resolution of the cyberSW platform.is an Associate Professor at the Laboratory of Tree-Ring Research and School of Anthropology at the University of Arizona. He earned his PhD at the U of A (1997) and MA at Washington State University (1986). He has more that 35 years experience in archaeology of the western United States in contract, academic, and volunteer settings.

Dr. Joshua Watts, PhD received his BA from the University of Arizona and his MA and PhD from Arizona State University, and has been the cyberSW project Manager since 2019. He has been active in southwestern US archaeology since the late 1990s and has worked a variety of field, lab, and data management jobs in cultural resource management projects across Arizona. While his recent publications have drifted into computational modeling, hurricane evacuations, and even a theory of technological innovation, his research focuses on organization of the Hohokam economy, particularly understanding specialized production and trade networks that encouraged wide distribution of certain pottery types. At Archaeology Southwest he manages the database that underlies cyberSW but also coordinates with varied stakeholders (e.g., a Tribal Working Group, academic PIs, professional and avocational archaeologists, and students) to develop a powerful web application for exploring archaeological datasets from around the region.

Old Pueblo's "Third Thursday Food for Thought" Zoom webinars on the Third Thursday evening of each month feature presentations on archaeological, historical, and cultural topics.

For more information contact Old Pueblo Archaeology Center at
info@oldpueblo.org or 520-798-1201

Photos and illustrations courtesy
of Archaeology Southwest

Flyer version of December 21, 2022

Old Pueblo Archaeology Center