



The Uncompahgre Journal

October 2021

CHIPETA CHAPTER OF THE COLORADO ARCHAEOLOGICAL SOCIETY

Volume 38 Issue 8

Don't Miss It!

86th Annual Conference and Member Meeting of the Colorado Archaeological Society

October 8-10, 2021

At the Holiday Inn, just off Townsend Avenue south of the Safeway, between 12th and Niagara Streets, hosted by the Chipeta Chapter of CAS, Montrose.

[Register Here](#)

Keynote Speaker:

R.E. Burillo

“The Battle for Bears Ears: 120 years of Conservation History”

Southeastern Utah has one of the richest and most diverse sagas of human history, dating back at least 12,000 years. Since its popularization starting in the 1870s, the rich material heritage of Ancestral Puebloan farmsteads, granaries, rock art and cliff dwellings has faced steady threats from development, grazing, looting, and - increasingly - recreational visitation. Efforts to implement legislative protection have existed for almost as long, but have always lagged far behind the pace of the impacts they are meant to curtail. Now they are on a collision course whose fate is yet to be determined.

The Keynote Address is open to the public, **with no registration necessary**. It will be a great talk you won't want to miss.

Saturday, October 9 at 7:30

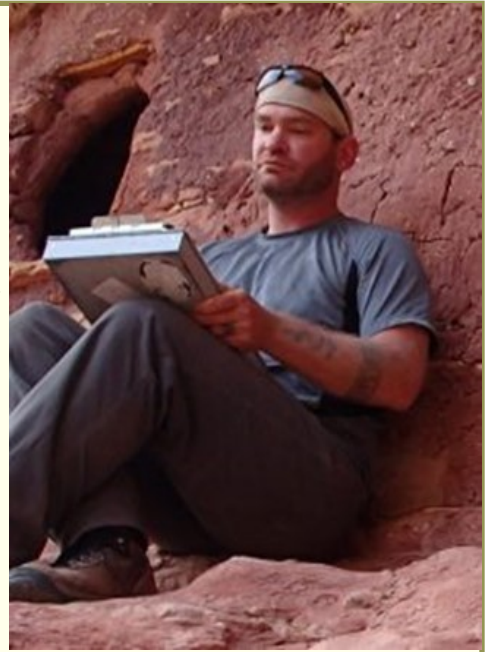
\$10 walk-in price

Covid vaccination required, masks strongly encouraged



**86th Annual Conference and Member Meeting
Colorado Archaeological Society
Keynote Speaker**

Ralph "R.E." Burrillo is an archaeologist, author, and conservation advocate. His writing has appeared in *Archaeology Southwest*, *Colorado Plateau Advocate*, *The Salt Lake Tribune*, *Blue Mountain Shadows*, *The Moab Times*, *The Navajo-Hopi Observer*, *Kiva*, *The Gulch*, *The Dust*, *The Archaeological Record*, *Flag Live*, *The San Juan Record*, and *Southwestern Lore*. He is also the author of *Behind the Bears Ears: Exploring the Cultural and Natural Histories of a Sacred Landscape*, which was chosen by ForeWord Book Reviews as their critic's choice in nonfiction for the year 2020. He currently splits his time between Scottsdale and Flagstaff, AZ.



President's Corner

by Sally Johnson

Photo by Sally Johnson

Here it is October already! I hope everyone is out enjoying the beautiful fall colors. I will say that our fall this year is spectacular. Be sure to register for the [CAS Annual Conference and Member Meeting](#).

It will be a hybrid meeting, partly in-person at the Montrose Holiday Inn, and partly via Zoom. It has been a challenge to host this year's conference. We will be having small in-person participation this year, but at least we will be having a conference. We have decided to open up Keynote Speaker R.E. Burrillo's presentation of "Bears Ears: 120 years of Conservation History" to the public. That will be Saturday evening (*see page 1*). We will be asking \$10.00 at the door for just his presentation with limited spaces. (The State CAS Board is requiring vaccination and encouraging masks at all indoor conference events). We will be having a social hour

on Friday at 7:30 pm at the Holiday Inn. If you would like to come and view the Silent Auction items for the Alice Hamilton Scholarship you are welcome to join. They would normally have a raffle for a top item, but due to many hurdles, there will not be one again this year. But if you would like to donate to the Silent Auction to benefit the scholarship, you can drop off the item(s) on Friday the 8th starting at 1:00 pm at the registration table at the Holiday Inn.

I want to thank everyone from our chapter that has stepped up to help with this event. I will be sending out emails shortly for your assigned time and location for the event. If you would like to help out with registration, auction items, or set up please let me know. By the way, we will be having some wonderful refreshments from the Straw Hat Farm and I am sure there will be an extra muffin or cookie for the volunteers, plus all the coffee you want.

On another note, there will not be a Chapter Meeting in October, because we would like to encourage everyone to join us at the Holiday Inn for the keynote speaker. Also, with weather permitting I will be leading a trip to Vernal, Utah on the 18th and 19th of October. After the meeting, I will be sending out the trip form with all the information. I know that I will need to visit a few rock art sites after several main events that I have had to plan for October.

Please let me know if you have any questions.

86th CAS Annual Conference

2021

Montrose, Colorado

Proudly Sponsored by



COLORADO COUNCIL
OF PROFESSIONAL
ARCHAEOLOGISTS



ALPINE
ARCHAEOLOGICAL
CONSULTANTS, INC.

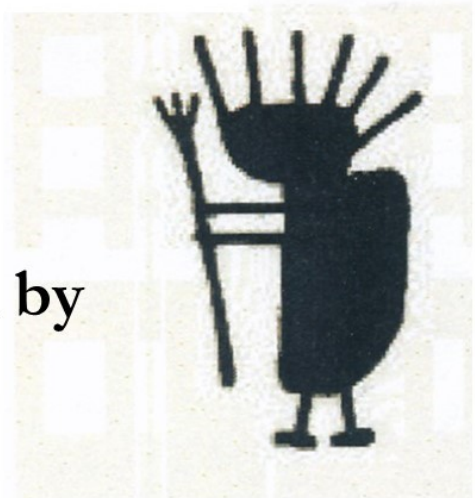


ID A R G

Dominquez Archaeological Research Group



Presented by



Colorado Archaeological Society

Chipeta Chapter

86th Annual Conference and Member Meeting of the Colorado Archaeological Society

AGENDA

Friday October 8th Holiday Inn

1: 00 PM - 5:00 EARLY REGISTRATION AT THE HOLIDAY INN

Can pick up Museum Passes, area information and Packets

Silent Auction drop off until 5:00 at the registration table

Friday October 8th CAS Quarterly Board Meeting Holiday Inn

5: 00 PM Quarterly Dinner and Meeting

7:30 Social hour at the Holiday Inn for all attendees and viewing of Silent Auction items

Saturday October 9th CAS Annual Meeting

All Day: Alice Hamilton Scholarship Silent Auction to benefit Alice Hamilton Scholarship

8:45 Introduction

9:00-10:15 Presentations

10:15-10:30 Break refreshments provided by Straw Hat Farm

10:30-11:30 Presentations

11:30-12:30 Lunch

12:30-2:30 Presentations

2:30-2:45 Break refreshment provided by Straw Hat Farm

2:45-3:45 Presentations

3:45-4:00 Break

4:00-5:00 CAS Business Meeting

6:00 Social Hour

6:30 Banquet

7:30 Presentations/Awards open to the public

7:45 Keynote Speaker-R. E. Burillo "Bears Ears: 120 Years of Conservation History"

86th Annual Conference and Member Meeting of the Colorado Archaeological Society

Research Presentation Schedule

Morning Session Lectures 9:00 – 11:30

- 9:00 The History of The Chipeta Chapter, Colorado Archaeological Society
Bill Harris, Chipeta Chapter, Colorado Archaeological Society
- 9:15 A Natural Institution: Infrastructure, Identity, And Experience In The 18th Century Andes
Matt Balance, Colorado State University, Alice Hamilton Scholar
- 9:45 Evaluating A Resistance Model for Northern Rio Grande - Chaco Interaction
Zachary Cooper, University of Colorado Boulder, Alice Hamilton Scholar
- 10:15 Break
- 10:30 The Days After Colorado's Darkest Day: The Use of Technology In Historic Archaeology On The Great Plains
Ray Sumner, Colorado State University, Northern Colorado Chapter Colorado Archaeological Society, Alice Hamilton Scholar
- 11:00 Darg-Archaeological Reassessment of Canyon Pintado National Historic District Rock Art
Carl Conner, Dominquez Archaeological Research Group
- 11:30 Lunch

Afternoon Session Lectures 12:30 – 3:45

- 12:30 The Palmer Middens in Colorado Springs: An Examination of High Victorian Society at the Turn Of The Twentieth Century
Mike Prouty, Alpine Archaeological Consultants, Inc.
- 1:00 The Archaeology & History of the Dry, An African American Homesteading Community In Southeastern Colorado
Michelle Slaughter, Alpine Archaeological Consultants, Inc.
- 1:30 Collaborative Cultural Taxonomies: The Application of Bayesian Radiocarbon Chronologies In Indigenizing the North American Past
Carlton Gover, University of Colorado Boulder, Pawnee Nation of Oklahoma
- 2:00 Painted Pottery on The Northern Periphery and What It Tells Us About Fremont Origins And Identity
Katie Richards, Washington State University
- 2:30 Break
- 2:45 3d Modeling at Crow Canyon
Grant Coffey, Crow Canyon Archaeological Center
- 3:15 Recent Research At Wallace Ruin 5mt6970
Bruce & Cynthia Bradley, PrimTech

86th Annual Conference and Member Meeting of the Colorado Archaeological Society

Research Presentations

Morning Session Lectures 9:00 – 11:30

In this session, we start with a history of our host chapter by **Bill Harris**. Chipeta is CAS's oldest chapter, and Bill witnessed 36 of its 86-year history firsthand.

We then feature presentations by three current and recent Alice Hamilton Scholarship recipients. Matt Balance, Zach Cooper, and Ray Sumner represent how our Alice Hamilton Scholarships assist and encourage promising undergraduate and graduate students to prepare for productive careers in archaeology and related fields. **Matt Balance**, a historical archaeologist and graduate student at CSU, pursues his interest in Spanish colonialism in Andean South America by tracing how the Spanish reworked the Inka road network to fit their vision of colonial society and investigating how 18th-century travelers experienced this system. As a doctoral student at CU Boulder, **Zach Cooper** analyzed different hypotheses about interregional interaction between the Tewa Basin's tenth and eleventh century Ancestral Pueblo communities and presents his preliminary results and their implications for Chaco and Northern Rio Grande interregional interaction. **Ray Sumner** is the president of our Northern Colorado Chapter, a doctoral student in the Anthropology and Geography Department at CSU, and a retired Army officer studying the Indian wars of 1862 to 1869. Ray leverages his academic and military knowledge, tribal consultations, historical records, remote sensing, ground survey, and limited excavation to investigate the archaeological record of battles fought along the South Platte River at Julesburg Station and Camp Rankin. Ray's presentation features aerial and terrestrial LiDAR data collection and analysis partially funded by his Alice Hamilton Scholarship.

We wrap up the morning session with **Carl Conner's** report on his research of the prehistoric and historic cultural landscape associated with Canyon Pintado National Historic District. Carl compiles existing data on the district and confirms and supplements this with fieldwork that features documenting prehistoric and historical rock art in relation to the landscape's geography, history, and ethnohistory. Carl has been an active field archaeologist for nearly 45 years and is the founder of Grand River Institute and its non-profit sister organization, Dominquez Archaeological Research Group, Inc. (DARG). He earned a B.A. in Anthropology from Adams State College and served as Senior Researcher in Linguistics and Mesoamerican Archaeology at the University of the Americas, Puebla, Mexico.



Afternoon Session Lectures 12:30 – 3:45

Mike Prouty of Alpine Archaeological Consultants leads off our afternoon session with a talk on a Hart Award-winning midden excavation on the former estate of General William Jackson Palmer—founder of the Denver & Rio Grande Railroad and the City of Colorado Springs. This project demonstrates that "trash is history" by discovering a rich assortment of artifacts portraying the lifestyle of a wealthy Victorian household at the turn of the 20th century. Mike holds an M.A. degree in Anthropology from San Diego State University.

In a different perspective on Colorado's past, **Michelle Slaughter**, also of Alpine Archaeological Consultants, presents the story of an early 20th century African American homesteading community in southeastern Colorado. Michelle uses various archaeological field research methods and descendent community memories to remind us of the diversity in Colorado's journey to now and the role archaeological sites play in constructing public memory. Michelle holds an M.A. degree in Anthropology from CU Denver.

86th Annual Conference and Member Meeting of the Colorado Archaeological Society

Research Presentations

Afternoon Session Lectures (continued)

Next, in a novel approach to using indigenous oral tradition to inform our understanding of the past, **Carlton Gover**, a doctoral student at CU Boulder and member of the Pawnee Nation of Oklahoma, reports on his work in using Bayesian radiocarbon derived chronologies to examine historical events recorded in Indigenous oral traditions of the Great Plains.

What does it mean to be Fremont? Much uncertainty and disagreement surround this question. **Katie Richards**, a doctoral student at WSU and Crow Canyon Lister Fellow, reports on her Fremont painted ceramic design analysis to shed some light on their identity and origins.

For the last two lectures, we move to southwest Colorado to hear reports on how 3D modeling contributes to archaeological practice and on results from recent work at the Wallace Ruin.

Photogrammetry and LiDAR-derived data sets and models are becoming staples in current archaeological practice and public education. In his talk on 3D modeling, Crow Canyon's **Grant Coffey** tells us how they use drone and ground-based photogrammetry to create accurate and precise models of archaeological sites, contexts, and artifacts suitable for analysis, data sharing, digital preservation, and public education.

In our last presentation, **Bruce Bradley** updates us on what he, Cynthia, and their team have recently uncovered at the Wallace Ruin. Wallace contains a Chaco outlier great house, at least one 11th century unit pueblo, and a possible reservoir. Bruce brings the experience gained from his long, wide-ranging, and distinguished career in archaeology to this and other projects he currently pursues. He is a co-founder of the Hisatsinom Chapter and recipient of CAS's C. T. Hurst Award. Bruce earned his Ph.D. at Cambridge University, U.K.

The Squint and Juanita Moore Scholarship

Created in honor of Chipeta Chapter founding member Carlyle "Squint" Moore and his wife, the scholarship is awarded each year to a deserving high school senior or college student intending to enroll or already enrolled in an Anthropology or Archaeology program. Students can apply online at collegeXpress—and note that the deadline is April 1.

The scholarship is managed by the Montrose Community Foundation. If you wish to donate, please send your tax deductible donations to the Montrose Community Foundation, PO Box 3020, Montrose, CO 81402.



Colorado Archaeological Society Annual Conference and Member Meeting
Sunday Field Trip Schedule (for registered participants)
Sunday, October 10

Shavano Valley Rock Art Site

Starts at the Shavano parking area. Self-paced, starting at 8:00 am – 11:00 am. Duration 1.5-2 hours.

Difficulty level 2 (1/4 to 1 mile walk on trails, some steep, rough)

Site docents will be experienced Chipeta Chapter or Ute Museum site interpreters.

The Shavano Valley Rock Art Site located west of Montrose has been at the center of western Colorado rock art research since 1907, helping to define rock art traditions and styles and to interpret cultural continuity and change. More than 37 rock art panels have been pecked or incised into vertical sandstone cliffs and detached boulder faces. Two distinct pecking styles are evident at the site—deep pecking and shallow pecking. Bear paw prints are probably the most distinctive rock art motif in the region and they appear on many of the panels. The principal panel at the site includes three bears climbing trees, which some feel represent the Ute Bear Dance legend. Another panel has hand prints, animal and bird tracks, linear motifs, and a possible atlatl clustered around what appears to be a bow and arrow. This field trip will have 3 docents at appointed spots along an uneven foot trail. The hike is short but with cactus and uneven terrain.

Harris Site

Meet at 8:30 am in Olathe, CO. Duration: 4 hours with travel.

Difficulty level 2 (1/4 to 1 mile walk cross country, open grassland, scramble to descend into wash).

Trip leader will be Chipeta Chapter member Bill Harris.

The Harris Site complex is located west of Olathe, Colo. along the toe of the Uncompahgre Plateau. It is made up of 2 rock shelters, rock art and a historic Ute component. The complex was the focus of archaeological investigations by the Chipeta Chapter between 1984 and 1989. Middle Archaic to Historic Ute dates are represented at the site. The hike to the site is about 1 mile round-trip with a 200' elevation profile. Sturdy hiking shoes or boots recommended. Bring sunscreen, lunch or snacks, and water. We will return to Olathe about 1 pm.

MEETS IN OLATHE, north of Montrose.

Eagle Rock Shelter

Meets at 9:00 in Delta, Colorado. Duration 3-3.5 hours including walk and drive, from Montrose.

Difficulty level 2 (1/2 mile hike on a trail with a number of steps and steep sections.)

Trip Leader will be BLM-UFO archaeologist Collin Price.

Eagle Rock Shelter is located in the Gunnison Gorge National Conservation Area between Delta and Hotchkiss, Colorado, overlooking the Gunnison River. Excavated in the early 2000s by Western Wyoming Community College and the BLM, the shelter contains numerous rock art images including Archaic and Ute styles. Each layer of the deeply stratified deposit that has been unearthed yielded clues to occupations dating back nearly 13,000 years, making the site one of the oldest “pre-Clovis” sites in Colorado, yet with a distinctive suite of animal remains, and many points and hearths.



(Field Trip Schedule, continued from previous page)

Almont & Sapinero Rock Art Sites

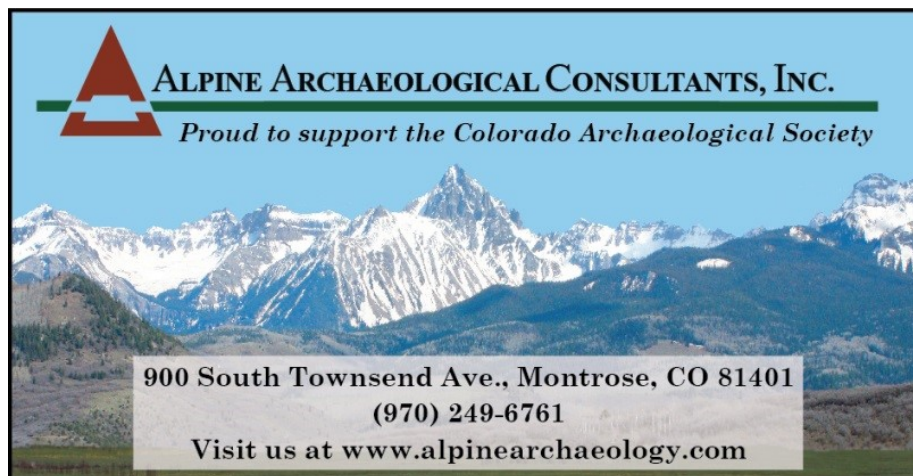
Meets at 9:30 at Blue Mesa Reservoir. Duration: 4 hours with travel.

Ends with lunch in Gunnison on your own.

Difficulty Level 2 (1 mile hike off trail through boulders, brush and grassland, uneven ground and some scrambling to reach rock shelters). No dirt roads.

Trip Leader will be Chipeta Chapter member Joe Oglesby.

The Almont site is renowned as one of the only rock art groups in the upper Gunnison drainage. It contains mainly artistically incised images along with historic charcoal pictographs including one apparently Navajo panel and a possible locomotive. The site is a short walk off the highway between Gunnison and Crested Butte. Joe will also show you one fragment of the mysterious Sapinero carved stone panel that was described in the June 1952 *Southwestern Lore*, and if time permits he may also show you the equally mysterious, probably historic period Carved Castle boulder found on Blue Mesa. Both of those stones are easily accessible with no hiking.



Field Trip to the Gunnison Rim with George Decker, September 10, 2021

Words and photos by Rein van West



Rock Structure Site a couple of miles in from highway 50 north of Delta



Possible stone scraper from Rock Structure Site

Petroglyphs on bluff cliff face at the Escalante Canyon bridge crossing of the Gunnison River on the northwest side of the river

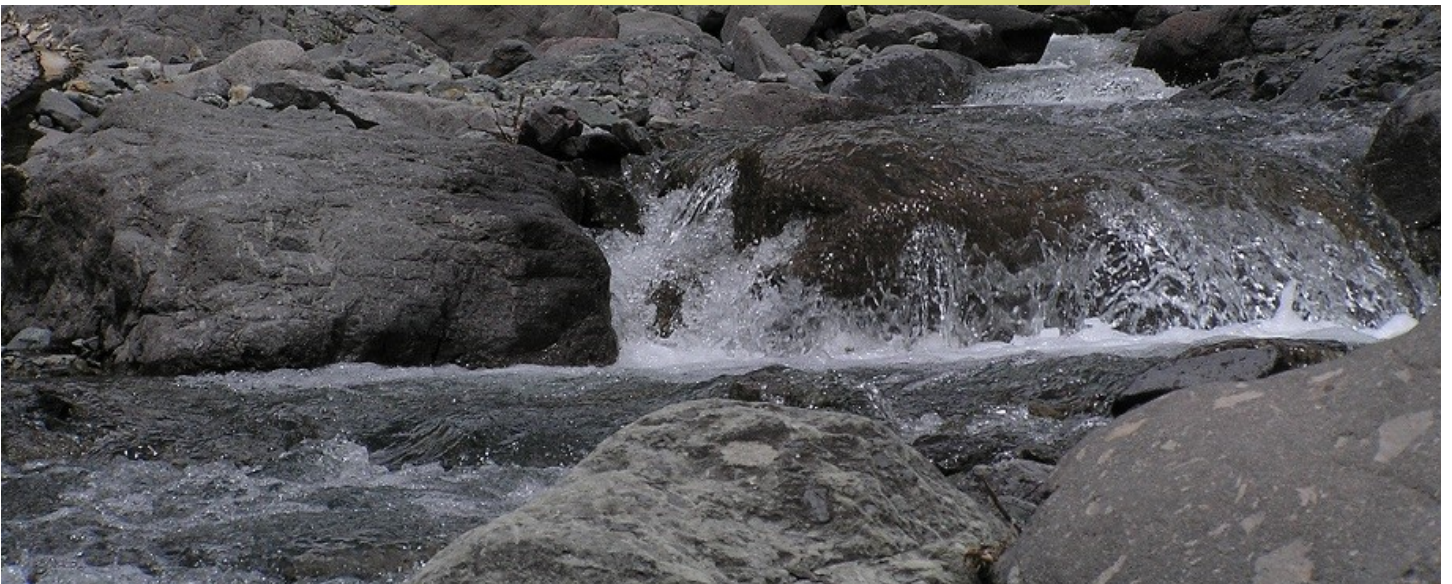


(Continued from previous page)



Rock Shelter Site on the Gunnison Rim

The Uncompahgre Journal
Published 9 times annually
by the
Chipeta Chapter
of the
Colorado Archaeological Society.
P.O. Box 593
Montrose, CO 81402
Submissions for publication
may be emailed to:
Dave Batten, david.batten@enmu.edu



From the Editor

There are a couple of interesting items that caught my eye in recent months. The first one came out sometime this summer, and involves a phenomenon that all of us are familiar with. The second qualifies as breaking news, having hit the airwaves and internet in the last two weeks.

Desert Varnish

You're all familiar with desert varnish (DV), that deep reddish-brown patina that makes the southwest desert's red rocks so striking. These are also the surfaces most favored by petroglyph artists, who found the contrast between the desert varnish and the underlying rock lent great visibility to their creations. Most of us have probably heard that the desert varnish is caused by water running down over the face of the rock. While this is probably true, you might be surprised to learn that nobody has really been able to explain the phenomenon, other than to say that it has manganese concentrations much higher than in the underlying rock or the local dust. They have not been able to explain where that manganese comes from.

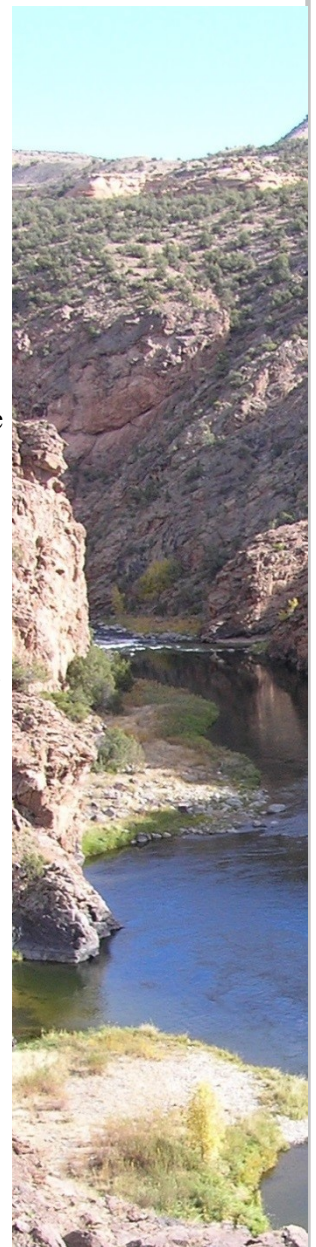
Over the summer, however, researchers stumbled on a likely explanation. A team from the California Institute of Technology and other places, used high tech to study bacterial communities that associate with desert varnish. They observed that manganese in DV were distributed in rather continuous layers, despite the fact that manganese found in desert dust is particulate in nature. The light bulb came on, that it was in fact the bacteria that were arranging the manganese in these continuous layers, and that the bacteria use manganese in some way to protect themselves from the desert sun. "Cyanobacteria use it as a catalytic antioxidant—a valuable adaptation for coping with the substantial oxidative stress present in this environment," according to the research team. They conclude that "the manganese enrichment ... is related to its specific uptake and use by likely founding members of varnish microbial communities," with photosynthetic cyanobacterias serving as the catalysts and primary collectors of manganese.

More from White Sands, New Mexico

And then there's the breaking news from the White Sands trackways of many human footprints dating to 23,000 years ago. The dating is of seeds embedded in the sand strata from above and below the layer containing the footprints. There are bound to be skeptics, and there will be intense scrutiny of the data and the environment in which the seeds were preserved and from which the dates were determined. There is a quote, and I don't remember who it was from, to the effect that "extraordinary claims require extraordinary evidence." This is always true of claims for early humans in the Americas, and many archaeologists have chafed under the criticisms of Clovis-firsters. This is a good thing though. The well-conducted excavations usually survive this scrutiny, though it takes many years (think of Dillehay for Monte Verde in Chile, and Adovasio for at least some of the levels at Meadowcroft Shelter in Pennsylvania). *If it holds up*, it will be far and away the oldest uncontested evidence of humans on this continent.

References:

- Lingappa, Usha F., Chris M. Yeager, Ajay Sharma, Nina L. Lanza, Demosthenes P. Morales, Gary Xie, Ashley D. Atencio, Grayson L. Chadwick, Danielle R. Monteverde, John S. Magyar, Samuel M. Webb, Joan Selverstone Valentine, Brian M. Hoffman, Woodward W. Fischer
2021 An ecophysiological explanation for manganese enrichment in rock varnish. *Proceedings of the National Academy of Sciences* 118 (25), June 2021. <https://www.pnas.org/content/118/25/e2025188118>, accessed 10/1/2021.
- Bennett, Matthew R., David Bustos, Jeffrey S. Pigati, Kathleen B. Springer, Thomas M. Urban, Vance T. Holliday, Sally C. Reynolds, Marcin Budka, Jeffrey S. Honke, Adam M. Hudson, Brendan Fenty, Clare Connelly, Patrick J. Martinez, Vincent L. Santucci, and Daniel Odess
2021 Evidence of humans in North America during the Last Glacial Maximum. *Science* 373(6562) 24 Sep 2021: 1528-1531. <https://www.science.org/doi/10.1126/science.abg7586> accessed 10/1/2021.



Chipeta Chapter
Colorado Archaeological Society
P.O. Box 593
Montrose, Colorado 81402



Membership Application

Date: _____

Name: _____

Street or RR Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____

Email: _____

(email required to receive Chipeta Chapter newsletters & field trip info)

Check One:

☐ New

☐ Renewal

Annual Dues* (includes state CAS dues): Check one

☐ Family (2 or more members same household)\$40

☐ Individual\$35

☐ Student (Circle if Individual or Family)\$25

☐ Secondary (Circle one) Individual (\$10) or Family... (\$15)

☐ Opt out of printed *Southwest Lore*

**Southwest Lore* is the journal of the Colorado Archaeological Society: print copies are mailed quarterly, and a .pdf is posted to Member365 for download.

Photos by Dennis DeVore



Code of Ethics

As a member of the Colorado Archaeological Society, I pledge to:

- Uphold local, state, and federal antiquities laws.
- Respect the property rights of landowners.
- Report vandalism to appropriate authorities.
- Support only scientifically and legally conducted archaeological activities.
- Conduct field and/or laboratory activities using professionally accepted standards.
- Not condone the sale, exchange, or purchase of artifacts obtained from illegal activities.
- Be sensitive to the cultural histories and spiritual practices of groups that are the subject of archaeological investigation.
- Accept the responsibility, if serving as principal investigator, to publish the results and make the collection available for further study.

Signature: _____ Other Family Signature: _____

Make checks payable to "Colorado Archaeological Society" and mail the signed application to:

Chipeta Chapter
P.O. Box 593, Montrose, CO 81402

CHIPETA CHAPTER BOARD MEMBERS

- **President:** Sally Johnson, president@chipetachaptercas.org
- **Vice Pres:** Leigh Ann Hunt, vp@chipetachaptercas.org
- **Secretary:** Annette Butts, secretary@chipetachaptercas.org
- **Treasurer:** Jim Douras, treasurer@chipetachaptercas.org
- **CAS Rep:** Nick Ard, casrep@chipetachaptercas.org

STANDING COMMITTEES

- **Newsletter:** Dave Batten, editor@chipetachaptercas.org
- **Membership:** Sally Johnson, membership@chipetachaptercas.org
- **Site Steward Coordinator (acting):** Leigh Ann Hunt, sitestewards@chipetachaptercas.org
- **Library:** Linda Manske, library@chipetachaptercas.org

OTHER COMMITTEES AND POSTS

- **Scholarship:** Jon Horn / Bill Harris / Fred Henderson, scholarships@chipetachaptercas.org

CHIPETA CHAPTER WEBSITE

- <https://www.chipetachaptercas.org>

TO JOIN OR RENEW:

- Go to the Chipeta Chapter website and follow the membership links.

Program for Avocational Archaeological Certification (PAAC)

For information on On-Demand PAAC courses, visit:

<https://www.historycolorado.org/paac-event-schedule>.

PAAC Contacts

Rebecca Simon

rebecca.simon@state.co.us
Assistant State Archaeologist/
303-866-4671

Dave Upchurch

PAAC Coordinator
uphill1354@gmail.com

Want More?

Archaeology Southwest is a great place to find out about current issues and events relating to Southwest Archaeology.

Field Trip Committee

Leigh Ann Hunt, Joe Oglesby, and George Decker (fieldtrips@chipetachaptercas.org)

For more information on upcoming field trips and to sign up, please contact the Field Trip Leader

Masthead photo courtesy of Carol Patterson. All other unattributed photos are by the editor.