

ALL POINTS BULLETIN



Make friends with...

...the past, through the....

Colorado Archaeological Society - Denver Chapter

"...in the future, as in the past, the gathering of information will depend to a great extent on cooperation between avocational and professional archaeologists." (H.M. Wormington, 1978)

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Items of Interest from the CAS Annual Meeting

Report from the State Archaeologist (Holly Norton): As many of you are aware, we have been going through some serious changes at History Colorado. We have lost many staff members over the last few months to the transition, including three staff in Office of Archaeology and Historic Preservation just this past week due to what is hopefully the final round of layoffs. This includes two members of "InfoMan", the unit that maintains the site files, as well as Staff Archaeologist Tom Carr. Tom was with us for nearly 15 years and has been an instrumental part of our team and the archaeological community. There have also been changes to various committees in History Colorado, including the Archaeology and Historic Preservation Committee (AHPC) on which CAS member Peter Faris sits. The structure of that committee will be changing to a board that is headed by Steve Turner and myself. I have no details on how this will work. In other news, Steve Turner was named the new State Historic Preservation Officer, which is really great news for Colorado. Finally, while I have been working through large problems here at History Colorado since taking on this position, I hope to get back to the task of actually working on archaeology one of these days. For instance, El Pueblo is moving slowly, but has not been forgotten. During this period with constant bombshells and shifting sands, CAS has been one of the bright spots and I have greatly appreciated the support and assistance from so many of the chapters and individuals that make this group great. CAS is good for the soul.

Report on History Colorado Projects (Terry Murphy): The August 1 Colorado Day celebration at the History Colorado Center, by all accounts, is

deemed a success. We demonstrated "Button on a String" and "Cat's Cradle" games and gave away 129 buttons, and could have given away more buttons if we had not exhausted our supply. History Colorado staff estimated more than 2000 visitors. Our demonstration was on the fourth floor, so we didn't see all 2000. Roche Lindsey, a Senior Instructor at UCCS, spent several hours as a flintknapping demonstrator.

Membership Report (Bev Goering): There are 781 memberships and 1,093 members. Memberships have increased by 51 and members have increased by 66.

February General Meeting: Monday, February 8th, at DMNS in Ricketson Auditorium at 7 PM. Enter through the Security entrance. The West entrance is closed.

Speaker: Ronald J. Rood

Title: History, Archaeology and One Event of the Walker War: Utah Territory, 1853. The Archaeology of a Mass Grave, Historical Perspective, Historical Fact and Archaeological Investigation.

Abstract: On the morning of October 2nd, 1853, eight young men and a boy were killed by members of the Mormon Militia at Nephi, Utah and their bodies were thrown into a mass grave. The circumstances of their death were officially described and reported to the authorities, including President of the Mormon Church, Brigham Young, as essentially an act of self defense on the part of the militia members. A fortunate archaeological discovery of a mass grave containing the remains of seven of these individuals and the subsequent analyses indicates they were not

killed in self defense but were murdered by revenge seeking militia members. Archaeology gives the dead a voice and helps to correct a biased historic record.

There will be photographs of human remains shown during this presentation.

Speaker Bio: Ron was born in Denver, Colorado, and attended college at Fort Lewis College in Durango. Always fascinated with bones, he attended graduate school at Wichita State University and was fortunate to manage the zooarchaeology laboratory for Dr. Arthur H. Rohn. Ron has worked as an archaeologist, faunal analyst, and human remains analyst for private consulting companies, state, and federal agencies. For 15 years, he served as the Utah Assistant State Archaeologist where he managed public education and outreach programs and the human remains program. In that role, Ron participated in the recovery and analyses of human remains found on private and state lands in Utah and served as an advisor to the State of Utah's Native American Graves Protection and Repatriation Committee. He facilitated the scientific study of human remains and the repatriation of human remains under Utah's NAGPRA law, demonstrating that scientific analysis and repatriation need not be mutually exclusive. Currently, Ron is a Principal Investigator and Project Manager for Metcalf Archaeological Consultants, Inc., which is an excellent cultural resource management company!

March Speaker: Pascale Meehan

Title: New Data From an In-between Place: Preliminary Research results from the Site of Zacatepec, Oaxaca

Partial Minutes Chapter Board Meeting January 5, 2016

The board meeting was held in the Harry T. Lewis Community Room on the third floor of the DMNS. Attendees were Linda Sand, Kendra Elrod, Teresa Weedon, Catherin Griffin, Michele Giometti, Jack Warner, Preston Niesen, Jon Kent, Reid Farmer, Cashel McGloin, and Ken Andresen.

Library Teresa reported that sales of items from the library emergency elimination totaled \$522.

Membership Dues for Students and for Senior Citizens/Disabled have been corrected from what they were last year to what they were prior to 2015.

New Business Reid investigated archaeological records for Ken Caryl Ranch. He found that the archaeological inventory/survey has already been done.

Linda described the 'Archaeological Coins' that were made available at the October CAS Annual Meeting last October. Additional coins can be obtained for a short period of time at a cost to the chapter of \$8.00 each. There was discussion of purchasing ten coins for presenting to the ten speakers scheduled for the general meetings in 2016.

The meeting was adjourned at 8:45pm.

Submitted by Ken Andresen

AIA Lecture: Modern Uses of Ancient Water Technology in Anatolian Turkey

Dennis Murphy, Sunday February 21, 2016, 2:00 pm: Sturm Hall, Room 453, University of Denver, 2000 East Asbury, Denver, CO. Meeting of the Denver Chapter, Archaeological Institute of America. AIA lectures are free and open to the public. (Visitor parking west across S Race Street, \$0.75 per half hour.)

The ancient Greek and Roman builders employed a great deal of engineering skill in constructing water systems utilizing aqueducts, pipelines, cisterns and various flow control devices. This study provides an excellent opportunity to look at how ancient water systems can still be utilized in a modern context and see how many of the technical problems faced by the ancient Romans are also experienced by today's modern engineers. Anatolian Turkey provides excellent examples of how ancient water technology and existing structures can still be used into the modern era. Modern hydraulic engineers face the same problems of gradient and velocity that the ancient builders experienced. The Elaiussa Sebaste aqueduct brought water down the Lamas River Valley to the coastal plain. Ancient builders experienced engineering problems maintaining the aqueduct in several places either due to centrifugal forces or steep gradients experienced while the channel followed the contour of the valley. Interesting examples of water leaks occurred in the aqueduct in the same challenging areas of the valley as experienced by today's modern water systems. In testament to the skill of the ancient engineers, farmers retrace the ancient route of the aqueduct in many places utilizing new concrete conduits or simply repairing the ancient channels and using them for both domestic and agricultural use. The hinterland included many small settlements and farmsteads which relied upon numerous cisterns to support

agricultural activities and daily life. These same structures are still used today for the same purposes as well as being repurposed for new uses such as tourist attractions and special event venues. In testament to the skill of the ancient engineers, farmers retrace the ancient route of the aqueduct in many places utilizing new concrete conduits or simple cut channels in the ground to irrigate fields and orchards. This aqueduct is a prime example of bringing the old and new together. This paper will look at the construction techniques employed in building these water systems, aqueduct bridges, arch construction, water off take devices and cistern design within the context of their continued use into the modern era.

Speaker Bio: Dennis Murphy is a long time member of the AIA and an avid “avocational archeologist”. He is focused on the study of ancient water systems, primarily in Southern Turkey, and has presented the results of his work at AIA annual meetings and international conferences. He holds a Liberal Arts Degree from the University of California at Long Beach and is an active member of several European Archeological Societies (Frontinus Gesellschaft & Deutsche Wasserhistorische Gesellschaft) through which he publishes the results of his studies. When not researching ancient water systems he is engaged in the aerospace industry and is currently a consultant on the NASA Orion Mars Exploration Spacecraft program.

Four Corners Research-Archaeology in the Mesa Verde Region

Four Corners Research just announced their 2016 field school dates: May 27-30, July 15-18, August 12-15, and 26-29. The location is at the Mitchell Springs Ruin site. Contact Tom Hoff by email at tomhoff@gmail.com. Class sizes are limited.

For more information on Mitchell Springs, visit <http://www.fourcornersresearch.com/index.html>

Obituary

Bruce Hartel, of Cortez, CO, died peacefully at Mercy Regional Med Center in Durango on Jan.13, surrounded by his family and his dear friend, Lyle Rice. He was 87 and ready to move on. He is survived by his daughter Terry Woodrow (Mike) of Cortez; son Steve Hartel (Lisa Alecci) of Lakewood, CO; and 5 grand children. Son of Elmer Dillard Hartel and Ethel Veltmann, he was born Dec. 24, 1928, in Galveston, TX. He had a successful career as an

aerospace engineer. He loved camping, jeeping , hanging out at his cabin in Crested Butte, and especially big game hunting. He was active in politics and served as a Republican committee chairman for 32 years in Jefferson County, CO. He was preceded in death by his wife of 45 years, Felicia Hartel, and his granddaughter, Jill Hartel. He moved to Cortez in 2012 from the Littleton/Denver area where he had lived since 1958. No service is planned.

Bruce was a former CRAA and Denver Chapter member and joined us on many field trips for both groups. He named the CRAA newsletter, Pictures from the Past. He arranged a chapter field trip to Cases Grandes, Mexico, Bruce will be missed by those who knew him.

**DC/CAS
December, 2015 Financial Report
Prepared by Preston Niesen, Treasurer**

Assets	November	December
Key Bank checking	\$ 3,273.91	\$ 1,420.91
TD 182 day to 01/04/16 @0.10%	\$ 5,692.36	\$ 5,692.36
TD 182 day to 4/19/16 @0.05%	\$ 4,808.17	\$ 4,808.17
TD 1 year to 02/17/16 @ 0.10%	\$ 4,994.36	\$ 4,994.36
Total checking/savings	\$ 18,768.80	\$16,915.80

Liabilities & Equity	November	December
Current Liabilities		
AH Scholarship Fund payable	\$ -	\$ -
State CAS Dues payable	\$ -	\$ -

Funds	November	December
Scientific Applications	\$ 5,082.41	\$ 3,411.91
Swallow Report Project	\$ 2,681.81	\$ 2,681.81
D Bucknam Memorial Speaker Fund	\$ 1,747.10	\$ 1,747.10
Blackfoot Cave	\$ 70.00	\$ 70.00
Library	\$ 302.45	\$ 202.45
Education	\$ 182.00	\$ 182.00
Field Trips/Social	\$ 483.01	\$ 483.01
Student Membership	\$ 57.50	\$ 57.50
Speakers Meal Fund	\$ 811.62	\$ 811.62

Total Liabilities & Funds	\$ 11,417.90	\$ 9,647.40
General Fund	\$ 7,350.90	\$ 7,268.40
Total L E F's	\$ 18,768.80	\$ 16,915.80

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