The Surveyor

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President's Message

In this column, I want to talk about Experimental Archaeology. It is a subject that may be of interest to chapters as a way for members to participate in archaeology.

I am a member of the Egypt Work Group (EWG), which is an experimental archaeology group that emphasizes the archaeology of Ancient Egypt. It meets once a week in a classroom at the Denver Museum of Nature & Science (DMNS). All participants are DMNS volunteers and also are members of the Egyptian Study Society (ESS). ESS is similar in size and organization to the Denver Chapter of the Colorado Archaeological Society (Denver CAS). ESS and Denver CAS hold a joint lecture meeting in August of each year with the organizations alternating the hosting of the meeting. This year, the joint meeting will be hosted by ESS.

The EWG sessions consist of the following: discussions by the participants of the results of research activities related to the current project; agreement as to the hands-on experiments to be conducted at that session; conducting the experiments; and reviewing the results. In the process, there is teamwork and much conversation. (Sometimes, there is more conversation than work.) Periodically, the EWG makes stand-up presentations at ESS meetings about the results of the projects. The next presentation is scheduled for October.

Let me give you a couple of examples of EWG projects to give CAS chapters some ideas for possible projects. The current EWG project is investigating the wax cones that are depicted on the tops of the heads of Ancient Egyptians. What purpose did they serve? Of what materials did they consist? How were they made? Recently, a burial was discovered at Amarna with a cone in place on the head of the deceased. It demonstrated that the cones actually were used and were not just an artistic invention.

A previous project was on the beeswax figurines (amulets) that were sometimes present in mummy wrappings. The EWG researched and experimented with the compositions of the figurines, manufacturing methods (molding or carving), including the materials of molds and mold release agents that may have been used by the Ancient Egyptians. Figurines were made for display. (The EWG uses only materials and methods that were

available to the Ancient Egyptians.) The EWG made a presentation at an ESS lecture meeting with all EWG members presenting.

Let's take a look at possible projects for CAS chapters. From time-to-time, enigmatic artifacts appear in excavations. Investigation of these objects would be possible projects. Another project could be the ruggedness of different materials used to make projectile points. Were some materials better than others? Was there a trade-off between performance and availability? Still another project could be the different farming techniques used for raising different crops under different environments. Then, there is making a cooking oven and cooking a meal for participants. There are many possibilities.

I have enjoyed the experiences of participating in Experimental Archaeology. I hope that this column will encourage CAS chapters to also enjoy the experiences of Experimental Archaeology. Have fun!

Bob Rushforth President

CAS Annual Board Meeting Highlights

CAS Quarterly Board Meeting (First Quarter) January 25, 2020 Metropolitan State University, Denver, Colorado

The first quarterly meeting of 2020 of the Colorado Archaeological Society (CAS) Board of Directors, hosted by the Denver CAS chapter, was held on Saturday, January 25, 2020 at Metropolitan State University-Denver. Vice President Linda Sand chaired the meeting in President Rushforth's absence.

Follow-up to the October 2019 Board Retreat

The first action item of the morning session was a follow-up review of the CAS Board of Directors retreat conducted on October 14, 2019 after the 2019 Annual Membership Meeting. Communications between <u>all</u> CAS members was identified as the major issue, as e-mail and the State and Chapter websites are not considered very effective by a number of Board members. Some Board members suggested alternative communications venues to e-mail, such as Slack where a CAS account has been created, to exchange information among members.

Other concerns included loss of information when members leave the organization ("institutional knowledge") and a lack of coordination regarding the preservation of archival information on both State and Chapter levels. There was discussion about creating and maintaining both a State Board Manual and Chapter Handbooks in response to these concerns.

There also is a need to create a Strategic Plan for State CAS, the principal goal of the Long-Range Planning Committee. The Ways and Means Committee also is examining

Society finances to determine how much funding will be needed to fund the Strategic Plan. Current efforts to increase funding include reallocation of funds from sources such as the Tessman Fund to *Southwestern Lore* and simplifying membership categories.

Executive Secretary: Karen Kinnear, Executive Secretary reported the following:

- CAS filings with the Colorado Secretary of State are current.
- There has been no action on the BLM Special Permit.
- The Vice President and Executive Secretary will be meeting with CCPA President to discuss areas of common interest and possible cost sharing, especially with respect to annual conferences.

Treasurer's Report: The Treasurer's Report was accepted without amendments. One CD matures 1/26/2020. CAS currently has \$12,300 in cash and savings after a \$933 deduction to the General Fund.

Old Business

- **Swallow Site Report:** No budget or schedule has been created. Field notes and artifacts are stored at History Colorado and DU.
- Quarterly and Annual Meetings Updates:
 - April 25, 2020 Quarterly Board Meeting will be held at Black Forest Fire Station. Details will be forthcoming. Pikes Peak Chapter is host.
 - July 18, 2020 Quarterly Board Meeting will be held in Cortez. Hisatsinom Chapter is host.
 - The 2020 Annual Membership Meeting will be hosted by IPCAS on September 25-26, 2020 at the Longmont Museum. The Pueblo Chapter, who hosted the 2019 Annual Conference, has passed on its Conference planning binder to IPCAS to aid planning.

New Business

- 2020 Budget: The General Fund continues to run a deficit. The current proposed 2020 CAS budget, while an increase of over \$2,000 over previous budgets, does not include expenses for a new State CAS brochure and any expenses incurred for website management. The revised 2020 CAS budget proposes \$10,000 (\$4,000 from the Tessman Fund and \$6,000 from the General Fund) be transferred to Southwestern Lore to cover the cost of publishing four issues of the periodical. The draft 2020 budget also proposes transferring \$1.00 per member to the Alice Hamilton Scholarship Fund.
- David Melanson, Chair of the Colorado Archaeological Society's Science
 Advisory Committee, presented suggestions based on our 2019 reporting. CAS
 members participate in projects managed by other organizations. Other likeminded organizations such as History Colorado/OAHP, the BLM, Crow Canyon
 Archaeological Center, Paleocultural Research Group, Colorado Parks and
 Wildlife, and many curation and stewardship organizations offer archaeological
 research and conservation projects in areas CAS doesn't, or can't, that attract
 our members. The Committee suggests CAS consider partnering or collaborating

with these organizations where it makes sense and work to our mutual benefit. This could enhance CAS volunteer opportunities and provide efficient and effective paths to further our mission. This could include conducting joint events and projects with organizations like CCPA and the broader archaeological community. We also suggest, the PAAC may want to consider the significant interest our members show in curation and site stewardship as they look at possible changes to their course offerings, learning paths, and certifications.

Committee/Special Reports Highlights

Memberships: CAS currently has 1070 members, down since the San Juan Basin Chapter left CAS and was removed from Member365.

Alice Hamilton: Applications and supplemental materials for 2020 scholarships are due to the Committee no later than March 20, 2020. The Committee will decide awards at the April 25 Quarterly meeting for Board Approval. The announcement and application materials will be posted on the CAS website.

PAAC: Scheduling classes has been difficult and both State and Chapter PAAC coordinators need help. Becca Simon wants to provide a diversity of classes but needs feedback from Chapters and members. There may be fieldwork opportunities this summer at Lone Mesa State Park and at Walker Ranch (Boulder County).

Education/Outreach: There are education grants, which Chapters must match, available to two Chapters per year. These grants should be used to encourage student attendance/presentations at the Annual CAS Conference.

Scientific Advisory Committee: The Committee continues to seek any and all input from CAS Chapters and Committees. It also is interested in how "archaeological tourism" impacts CAS's mission and activities.

Publications: Ray Sumner (Northern Colorado) is the new Chair of the Publications Committee and Dr. Jason LaBelle is the new book reviewer for *Southwestern Lore*.

Financial and circulation issues regarding *Southwestern Lore* dominated Board discussion. The hard copy still is being published, and there is no option to cease publication at present. Proposals to increase funding for the periodical include advertising, a subscription-only non-membership enrollment, and increasing institutional subscriptions on a national level.

The newsletter (*Surveyor*) will be published on a quarterly basis the month after the Quarterly Board meeting.

Bill Haddock is the new website manager. There are ongoing issues with the CAS website; solutions are being identified and researched by a sub-committee.

Governance: The Committee submitted the following Motion to the Board:

"Pursuant to discussion at the Advance Retreat held on October 14, 2019, the Governance Committee brings a motion to insert the word 'advocacy' in the second sentence of the Mission Statement after the word 'conservation' in that sentence."

The Motion was passed by the Board after extended discussion. The Committee is drafting a State advocacy policy.

There was Board discussion regarding retention of CAS records at the Chapter and State levels since there is no State-level policy and no conformity among Chapter policies.

Long Range Planning: LRP suggests creating a CAS "owned" Google Drive site to assist the development of the CAS Strategic Plan.

Awards: The next issue of *Southwestern Lore* will feature an article on the 2019 C.T. Hurst recipient, Dr. Christian Zier.

History Colorado Projects: There currently is no team coordinating the May 2020 Archaeology Month program. It and other History Colorado programs state-wide always are looking for volunteer support.

State Archaeologist: OAHP is requesting public input and comments on the 2020-2030 State Historic Preservation Plan.

Ways and Means: No report.

Publications Chair Changes

As Larry Evans steps down as the Publications Chair, Mr. Raymond V. Sumner will be fulfilling the position. For those who have not met Raymond V. Sumner, he is the NCC CAS President and a PhD Student at CSU. He works under Dr. Jason LaBelle and is studying the Cheyenne, Arapaho, and Lakota response to Sand Creek. His focus is on Julesburg/Camp Rankin and the other sites involved in their 6-8-week response campaign in January-February 1865.

AHPA Report

Applications and supplemental materials for 2020 scholarships are due to the Committee no later than March 20, 2020. The Committee will decide awards at the April 25 Quarterly meeting for Board Approval. The announcement and application materials will be posted on the CAS website.

On 16 January 2020, I attended a 5-hour meeting of the Archaeology and Historic Preservation Committee (AHPC) at History Colorado to consider and vote on funding grants from the Colorado State Historic Fund in the Spring 2020 round. 51 applications had been submitted, of which 36 had been recommended for funding by the Advisory Committee for a total of \$5,399,524. The 15 applications that had been recommended for non-funding would have totaled another \$2,055,839. As we only had \$2.1 million to disburse for this round you can see that most of these applications did not receive funding.

Additionally, 14 mini-grants of less than \$35,000 had been funded. This category is not decided by AHPC but is decided by staff.

Although the names of the applicants and details of their applications cannot yet be revealed (until confirmed by History Colorado Board of Directors) I can tell you that one of the above-mentioned mini grants was for an archaeological project, and three of the applications recommended by the committee were archaeological or had archaeological components included.

A little simple math will show you that the available funds ran out long before the total of applications were satisfied, indeed, we voted to fully fund 14 of the recommended grants applications with 22 left below the funding line. A couple of those were partially funded, and a few others were voted for contingency funding, which means they are authorized to receive funding if some of the money allocated to organizations above the funding line fail to use their grant.

All others, including the applications that had been recommended for non-funding, are eligible to re-apply for future grant rounds. The unfortunate truth is that there is just much more demand than there is money available.

Peter Faris, CAS Representative History Colorado AHPC

2020 History Colorado Project Awards

History Colorado Recognizes Excellence in Historic Preservation and Archaeology at the Stephen H. Hart Awards

DENVER, Colo. (Jan. 16, 2020) -History Colorado is proud to announce the winners of the 2020 Stephen H. Hart Award for Historic Preservation. Every year History Colorado's Board of Directors honors those preservation and archaeology projects that exemplify best practices and achievements throughout Colorado. Five projects will receive accolades-including the prestigious Governor's Award and the professionals involved will be presented awards the evening of Friday, January 31, at 5:00 p.m. in the History Colorado Center. Here are the winners:

Crossan's M&A Market receives the Governor's Award for Historic Preservation Summary: A rural, community-based organization volunteered many hours tirelessly fundraising and promoting the rehabilitation of Crossan's M&A Market, raising more than 5630,000 in seven years to save one of the oldest mercantile buildings in the State of Colorado. Awardees: Friends of Crossan's Market, Historic Routt County, Town of Yampa

Magic Mountain Archaeological Site receives State Archaeologist Award Summary: Denver Museum of Nature and Science collaborated with Paleocultural Research Group to initiate new research at the site, inviting the public to join in the research, and expanding public impact through education programs for state youth groups and public broadcasting funding. State Historical Fund provided 5307,278 to spearhead the project. Awardees: Denver Museum of Nature and Science, Paleocultural Research Group

Chimney Rock National Monument receives State Historic Preservation Officer Award Summary: United States Forest Service works in collaboration with Pueblo and other indigenous Tribes to create culturally informed site management and interpretation of the archaeological site. State Historical Fund provided \$178,391to spearhead the ethnographic project. Awardees: San Juan National Forest, Anthropological Research LLC, Chimney Rock Tribal Design Review Committee

Bosler-Yankeee House receives Hart Award Summary: Colorado pioneers Ambrose Bosler built the first house in North Denver's Highland neighborhood, and donated land to the City of Denver for what would become Highland Park, across the street from the house. The property was locally landmarked by the City of Denver in 1984, rescued and rehabilitated from neglect through a rare public-private partnership, receiving one of Mayor Michael Hancock's 20L8 Design Awards. Awardees: Historic Denver, Inc., Steve & Jan Davis, Form + Works Design Group, City & County of Denver

Crested Butte Mountain Heritage Museum receives Hart Award Summary: A former blacksmith's shop and Conoco gas station, the Crested Butte Mountain Heritage Museum transformed a historic, but dilapidated building in the town's historic district into a thriving museum dedicated to Colorado history. Awardees: Crested Butte Mountain Heritage Museum, Jessica Reske (Architect)

The 2020 Hart Awards are presented in conjunction with the Colorado Preservation Inc., Saving Places Conference, held annually. History Colorado's Board of Director's began presenting the Stephen H. Hart Awards in 1986 to honor Colorado's first State Historic Preservation Officer, Stephen H. Hart. Awarded projects are chosen from nominations presented by staff from the State Historical Fund, Office of Historic Preservation and Archeology programs and History Colorado leadership. For more information about the Saving Places Conference, visit http://coloradopreservation.org/.

Science Advisory Committee Report Quarter 1, Jan 25, 2020

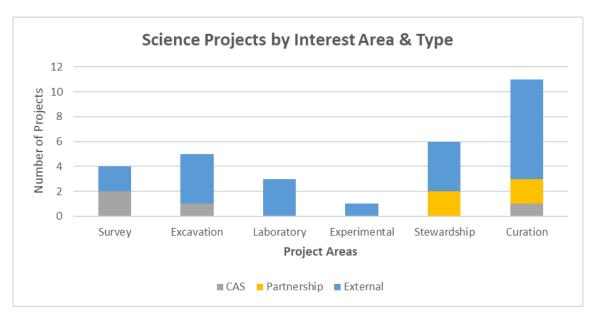
2019 SCIENCE ADVISORY REPORT

The Science Advisory Report summarizes the archaeological research and cultural resource conservation opportunities pursued and reported by CAS chapters and members. This article summarizes CAS member contributions to Colorado archaeology during 209. You can find the complete 2019 report on the <u>CAS ORCA web page</u>.

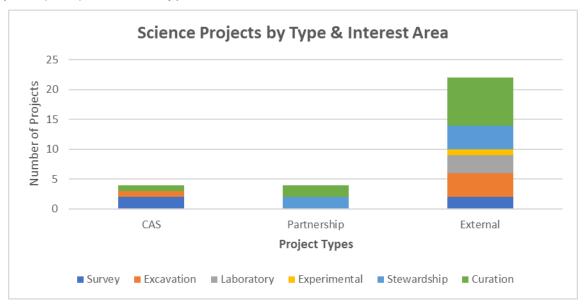
The report is compiled by the Science Advisory Committee from project information submitted by CAS chapters and covers projects aligned with the CAS science interest areas of archaeological survey, excavation, laboratory processing and analysis, experimental archaeology, cultural site stewardship, and cultural resource curation. CAS project sponsorship falls into one of three possible categories – CAS, Partner, or External. CAS project types are led and conducted by CAS or one of its chapters. Partner projects are conducted under informal or formal partnering agreements between CAS or its chapters and one or more external agencies. External projects are those where individual CAS members participate in projects managed by external agencies.

Research projects represent the leading edge of our mission activities; providing opportunities for our members to responsibly participate in generating new knowledge about Colorado's rich cultural heritage. This work provides new data for the archaeological community to analyze and interpret. While research generates new data and knowledge, cultural conservation projects curate Colorado's cultural resources on the landscape, in museums, and in other curation facilities. It preserves these resources and their associated research materials for current and future researchers and the public. It also helps to preserve the living history of descendent populations.

This year CAS chapters report conducting, or member participation in, 30 archaeological research or conservation projects. The figure below shows the number of reported CAS projects first by science interest area and then by project type within each area. Currently, eleven of our reported projects (37%) are in the curation interest area.

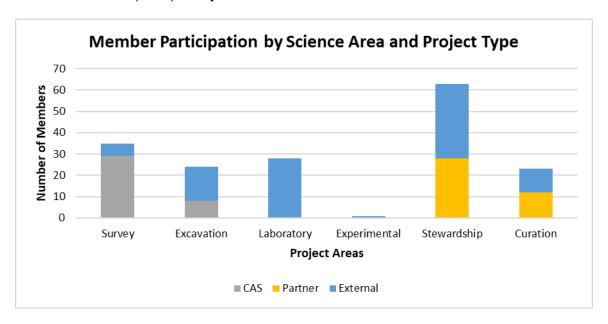


The next figure reverses the first by showing projects by type and then, within that, by science area. Member participation in projects managed by external agencies continues to be CAS's dominant science project type. Twenty-two of our 30 reported science projects (73%) are of this type.

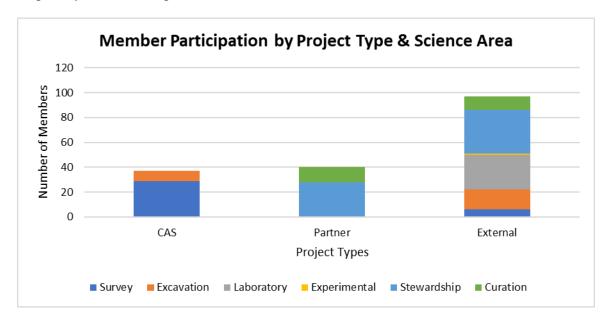


Chapters report 174 members participating in science projects this year. Members often participate in more than one project, so the actual number of different science project volunteers is likely less. The figure below shows the number of CAS members participating as volunteers in the 30 reported science projects by science area and project type. Although CAS membership includes professional archaeologists only members who donate their time as unpaid volunteers are included in this report. Our chapters report strong member participation in all science areas except experimental

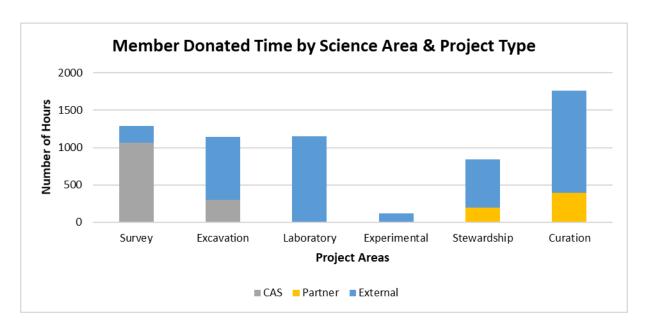
archaeology. Cultural site stewardship projects, however, have attracted the most member volunteers (43%) this year.



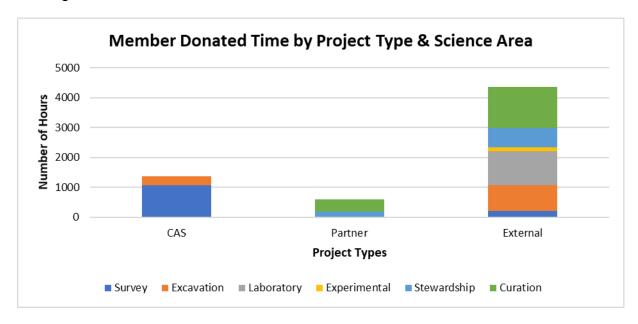
As shown below, the majority (56%) of CAS members participate in science projects managed by external organizations.



This year, CAS members report contributing 6,307 volunteer hours to the projects in this report. The figure below shows contributed time organized by science area and within that, by project type. Members contributed significant time working in all science interest areas except experimental archaeology with curation getting the most attention (28%).



Like the number of projects and participating members, most member volunteer time is devoted to supporting projects managed by external organizations (69%). This is seen in the figure below.



Respectfully submitted, David Melanson, Chair Science Advisory Committee Colorado Archaeological Society 2/19/2020

EXCAVATION OPPORTUNITY

Have you ever wanted to experience an archaeological excavation but could never take enough time away or afford the expense? If you answered yes to either of these questions you may be interested in the following opportunity.

This September, for only the second time since 2013 we will be working at the Champagne Spring Ancestral Puebloan community in Southwest Colorado. This site is one of the largest known tenth-century centers in the Northern Southwest and consists of approximately 300 rooms and 60 kivas, including a great kiva, a prehistoric road, and an unusual roadside shrine.

There will be two excavation sessions; September 4-7 (Labor Day weekend), and September 11-14.

The cost of each session is only \$95.00 which helps pay for some of the associated costs of conducting these sessions, processing artifacts, dating materials, artifact curation, etc.

We'll be working at the South Ridge village again and we have some very exciting study goals this year. Little excavation has occurred on this site. In the summer of 2019, excavations were focused on two rooms of a multi-occupation house and an unusual-shaped prehistoric road shrine.

Training will focus on archaeological field techniques, pottery analysis, and field documentation. The town of Dove Creek is only seven miles from the Champagne site where there is a motel, a couple restaurants, and a grocery store. **Camping on-site is free.** There are no plug-ins for electricity; however, we do provide portable toilets, potable water, and shade devices. An evening lecture and artifact show-and-tell session is planned and we'll have a prehistoric pottery workshop that will provide you with enough information to type local ceramics and identify some non-local trade wares.

Participants need to supply their own food, equipment (trowel, gloves, hat, sturdy shoes) and transportation.

For more information go to the Four Corners Research website at:

http://www.fourcornersresearch.com/

Alice Hamilton Recipient -Ava Godhardt

In May 2019, I spent four weeks at the Maya Archaeology Field School at the Rio Bravo Conservation and Management Area in northwestern Belize. I worked alongside forensic anthropologist Julie Saul and osteologist Dr. Lauri Martin. During the four weeks, I assisted in two excavations. The first consisted of possible cranial remains with pottery. This proved to be especially challenging due to the clay, which caused the bones to become almost a graham cracker-like consistency. It also required quite a bit of brainstorming to determine the best way to remove the remains for packaging and further analysis. A puzzle I enjoyed solving!



Figure 1: Here I am (on left) showing another student how to use the different tools to clear off the cobble fill from the skeletal remains.

While we worked on removing these remains, human foot bones were found in profile of a different structure. While Julie and Dr. Martin directed from above, I excavated with one other student. I spent the next two and half weeks carefully removing and identifying remains with the assistance from different students in rotation. What was originally thought to be the interment of one individual turned out to be two. During the last few days of the season, a second maxilla was found, and we ended up removing a second set of skeletal remains. Both sets of remains were highly articulated and well preserved-very surprising for the pH of the soil present. On the very last day of the season, we were able to complete both excavations- a feat that we were unsure could be completed. Julie and Dr. Martin are absolutely brilliant, and I am so happy that I was able to learn from them.



remains are located.

I cannot express my gratitude enough. This opportunity has already proven to be beneficial many times over again. I am currently working with Dr. David Hyde, Dr. Lauri Martin and Julie Saul for our poster presentation for the SAA Annual Meeting. Not only will this allow me to conduct archaeological research, but I am also the primary author. This paired with the interim reports will allow me to be published multiple times before graduating. I am also

currently working on DNA extraction and analysis with a professor from Western, who I connected with down in Belize. This again allows me to gain hands on experience that can be applied towards my future endeavors. This field school was everything I could have hoped for and more. Not only was I able to learn the basics of excavations, I was able to explore a passion of mine-one I look forward to specializing in next year. Thank you again for making this opportunity a possibility for me, it is an experience that I will remember for a lifetime.

CAS Membership 4th Quarter Details

For the period ending 31 December 2019 there are 47 Institutional memberships along with the following regional memberships:

CHAPTER	Renewal Month	Members	Memberships by Type						Last	Change	Secondary
			Indiv.	Sr. Indiv	Family	Sr.Family	Student	Total	Quarter	Change	Secondary
Chipeta	Varies	165	27	24	37	18	4	110	109	1	0
Colorado Rock Art	May	37	6	4	6	7	1	24	34	-10	15
Denver	March	90	26	5	22	4	7	64	61	3	0
Grand Junction	July	144	69		36		3	108	99	9	26
Hisatsinom	Jan	141	36	17	21	23	0	97	86	11	5
Indian Peaks	Jan	71	27	9	13	3	3	55	54	1	4
Northern Colorado	Jan	36	6	7	6	2	7	28	26	2	2
Pikes Peak	July	141	53		42		4	99	88	11	0
Pueblo AHS	Jan	101	20	15	19	12	4	70	69	1	1
Unaffiliated	Jan	144	30	18	15	29	8	100	96	4	0
Lifetime		21	13	0	4	0	0	17	14	3	0
TOTALS		1070	313	99	221	98	41	772	736	36	53

Important Dates- Mark Your Calendar!

March 5-8, 2020: Colorado Council of Professional Archaeologists (CCPA) annual meeting in Pueblo,

March 20, 2020 * NLT: Applications and supplemental materials for 2020 scholarships are due *NO LATER THAN.

April 25, 2020: Quarterly Board Meeting will be held at Black Forest Fire Station. Details will be forthcoming. Pikes Peak Chapter is host.

July 18, 2020: Quarterly Board Meeting will be held in Cortez. Hisatsinom Chapter is host.

September 25-26, 2020: The 2020 Annual Membership Meeting and Conference will be hosted by IPCAS on at the Longmont Museum.

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