

The Surveyor

A QUARTERLY PUBLICATION OF
THE COLORADO ARCHAEOLOGICAL SOCIETY
VOLUME 15, ISSUE 4, FALL 2017



President's Message

Congratulations to Linda Sand, President of the Denver Chapter, for leading an awesome team of volunteers to plan and host the 2017 CAS Annual Conference and Meeting – it was a great success! I also want to thank Dr. Holly Norton and History Colorado for co-hosting the conference and providing a wonderful venue, delicious food, and great support to Linda and her team. Linda's very capable team included Cashel McGloin, Jonathan Kent, Michele Giometti, Betsy Weitkamp, Greg Davis, Reid Farmer, Neil Hauser, Cate McNabb, Kendra Elrod, Alex Rosa, Jack Warner, Teresa Weedon, Ken Andresen, Lynn Hoy, Terry and Sharon Murphy, and Lisa Yeager. Last, but certainly not least, I'd like to thank our sponsors, including Colorado Council of Professional Archaeologists (CCPA), Metropolitan State University of Denver, Metcalf Archaeological Consultants, Inc, Center for Mountain & Plains Archaeology, and AzTec, 3D Lidar Scanning and Aerial Imaging.

Four Chapter Awards were given out on Saturday: one Chapter Award was presented during the Annual Business Meeting to Joanne Turner (IPCAS), and three were presented after the banquet dinner: Patricia Lacey (Hisatsinom), Kathryn Adams (Pueblo) and Julie Tipton (Rock Art). Summaries of the nominations submitted to the Awards Committee are provided elsewhere in this newsletter – so everyone knows what the individuals have done to earn a Chapter Award.

One vote that occurred at the Friday evening Board meeting should be of interest to you. The Board approved going ahead with online membership, agreeing to hire Member365 as the company to help implement online membership. We are hoping to be up and running by January 1, 2018. Stay tuned for more details.

The Long-Range Planning Committee, led by Rosi Dennett, is working with the CAS Board to draft a five-year plan, and has sent out a link to a survey to all CAS members. This is your chance to let us know what you think CAS and the chapters should be doing to ensure we are meeting the CAS objectives to promote, support and protect Colorado archaeology. Feedback from this survey will provide the basis for the long-range plan and may also provide individual chapters with useful guidance for their activities. The deadline to respond to the survey is December 4. Please take a few minutes to let us know your opinions (it will only take a few minutes to complete -honest).

Finally, congratulations to the 2018 CAS officers elected at the Annual Meeting: Neil Hauser, President; Rosi Dennett, Vice President; Kris Holien, Recording Secretary; and Michele Giometti, Treasurer. A big thank you also goes to this year's officers for everything they've

done to help contribute to CAS's success: Bob Rushforth, Vice President; Patricia Lacey, Recording Secretary; and Preston Niesen, Treasurer.

As we head into the holiday season, I want to thank each of you for all you do for state CAS and for your local chapters. Wishing you and your families a healthy and happy holiday season!

Karen Kinnear
President

CAS Quarterly Board Meeting Highlights

CAS QUARTERLY BOARD MEETING October 27, 2017 History Colorado, Denver, Colorado

The Quarterly Board meeting of the Colorado Archaeological Society was called to order at 7:30 PM by President Karen Kinnear. Roll call was taken, with a quorum of both chapters and Board members present. Chapters represented were: Colorado Rock Art, Chipeta, Denver, Grand Junction, Hisatsinom, Indian Peaks, Pikes Peak, and Pueblo.

TREASURER (PRESTON NIESEN): Current assets include \$17,412 in the operating account, \$2,133 in the savings account, \$206 in the Alice Hamilton Raffle account, and four Certificates of deposit with a total value of \$23,613 for a total in Checking and Savings of \$43,364. The CD will mature on November 2, 2017 and will roll over.

OLD BUSINESS

Advocacy Policy: Advocacy Policy decision was tabled until there is an attorney review. There were suggestions of using an attorney who has recently joined CAS also Colorado Lawyers for the Arts, or other firms who do pro bono work.

Online Membership: After some discussion Preston Niesen moved and Rosi Dennett seconded to hire Member365 to manage online membership for one year starting January 1, 2018. The motion was subsequently amended to the following: Try Member365 for one year starting as soon as possible. The motion passed with one dissenting vote. The cost is estimated at \$150 per month and will come from State CAS funds and not be shared by chapters. The setup cost is \$1,000.

COMMITTEE AND SPECIAL REPORTS

ALICE HAMILTON SCHOLARSHIP: Co-chair Terri Hoff reported that \$4,775 was awarded to 9 scholars in 2017. The balance in the fund is \$6,860. There is a need for a Raffle chairman.

SCIENCE ADVISORY COMMITTEE (DAVE MELANSON): Current committee efforts include the Digital Archaeology Initiative, Photogrammetry for Canyons of the Ancients National Monument including Anasazi Heritage Center artifacts. Survey, excavation and laboratory work

was reported from six chapters.

COMMUNITY OUTREACH AND EDUCATION COMMITTEE (LINDA SAND): Education grants for \$250 each were awarded to the San Juan Basin and Denver Chapters to support student attendance at conferences. Karen Kinnear reported that she has found someone interested in being Chair of this Committee.

PAAC (CHRIS JOHNSTON): Two PAAC classes were completed this fall, and another currently underway in Loveland. Chris is planning 4-6 classes in 2018 with continuing work on the online classes. There were 56 participants in the Summer Training Survey. The 2018 PAAC Survey is planned for South Park in mid-June. Chris is working on a network of partners for the Site Stewardship effort. He is also working on establishing a direct internet link to PAAC participants. PAAC Certificates were awarded to Lynn Hoy of the Denver Chapter for Certified Laboratory Trainee and the PAAC Scholar.

PUBLICATIONS COMMITTEE (TOM HOFF): Chris Zier reported on successful publication of the summer issue of Southwestern Lore the winter issue is in progress. Barbara Stagg has agreed to be Newsletter Editor. CAS Archives disposition is awaiting the hiring of an archivist at History Colorado.

CAS REP TO ARCHAEOLOGICAL AND HISTORIC PRESERVATION COUNCIL (PETER FARIS): Peter was able to advocate for the Hainey archaeological site (Southwest Colorado Great House complex) in his representative position on the board.

HISTORY COLORADO PROJECTS (TERRY MURPHY): Terry Murphy reported on activities with fifth graders with five CAS Members in May at History Colorado. 2017 Posters were distributed to all chapters. He advocated for CAS chapters to become active in assisting History Colorado properties in their areas and provided a list in his written report.

AWARDS (MARK OWENS): Tom Hoff reported for Mark that there would be four Chapter Awards given at the Banquet.

MEMBERSHIP (BEV GOERING): We currently have 1,137 members within 787 memberships.

LONG RANGE PLANNING (ROSI DENNETT): Rosi Dennett reported that a survey would be sent out soon to members concerning Long Range Planning. She plans a brainstorming session at the January Quarterly meeting and a draft of a 5-year plan.

NEW BUSINESS

NOMINATIONS COMMITTEE: The slate of 2018 Officers was presented:

President: Neil Hauser
Vice President: Rosi Dennett
Treasurer: Michele Giometti
Recording Secretary: Kris Holien

After no nominations were received from the floor, it was moved by Linda Sand and seconded by Teresa Weedon to approve the Nominating Committee slate and recommend the slate to the

full membership at the Annual Meeting. Motion passed unanimously.

2018 QUARTERLY MEETINGS: The 2018 Quarterly Meeting Locations will be as follows:

January - Loveland (hosted by Northern Colorado)
April - Grand Junction (hosted by Grand Junction)
July - Montrose (hosted by Chipeta)
Sept./Oct. Annual Meeting in Cortez (hosted by Hisatsinom)

FUTURE ANNUAL MEETINGS: Chapters hosting the Annual Conference/Meetings through 2021 are as follows:

2019 - Pueblo
2020 - Boulder
2021 - Montrose

FIELD TRIPS: We have been informed by the Monticello, Utah office of the BLM that all CAS state and chapter field trips on lands in the Monticello, Utah BLM District are currently suspended. Karen Kinnear and one or two other CAS representatives will be meeting with representatives of the BLM to resolve the issues leading to the suspension.

The meeting was adjourned at 9:30 PM.

CAS Chapter Awards

Four Chapter Awards were presented at this year's Annual Conference and Meeting to the following CAS members (information excerpted from their nomination forms):

Joanne Turner (IPCAS): While Joanne may be small in stature, she is a mighty force! Joanne is always willing to volunteer to help IPCAS by providing refreshments and Christmas party decorations, assisting at IPCAS booths at Boulder fairs, and working in the ceramics lab at CU identifying and classifying pottery sherds (to name just a few examples). Even though her many years of service are making it difficult for her to get around these days, Joanne can usually be found sitting in the front row at various seminars, lectures, and conferences. She's like the Energizer Bunny! She just keeps going. Joanne is cheerful and generous with her time and money, and she is a positive-minded and easy-going travel companion on field trips and to conferences. She is also a long-time IPCAS Board member, and her invaluable contributions and ideas over the years are greatly appreciated by all.

Patricia Lacey (Hisatsinom): Patricia has served in multiple positions of authority in the Chapter, including at least four terms as President. She has always made herself available to volunteer on Chapter projects, including Chapter surveys, fundraising activities, social and professional programs and coordination of field trips and Chapter outings. Patricia has distinguished herself by representing our Chapter in various outside capacities, including working with state Archaeological and Anthropological professional organizations and volunteering for projects with the U.S. Bureau of Land Management and private entities such as

Crow Canyon Archaeological Center. She began her career in the Four Corners area by working as a volunteer on the Dolores Archaeological Program with the U.S. Dept. of the Interior and the BLM in 1982. She has volunteered with the Anasazi Heritage Center in Dolores, Colorado almost since its inception in the mid-1980s and continues to serve in many volunteer capacities today. In 2016, she received the Heritage Heroes Award from the BLM recognizing her over 30 years and 8,200 hours of volunteer work for the BLM and the Anasazi Heritage Center.

Kathryn Adams (Pueblo): (*from Doug Baxter, Chapter President*) Kathryn publishes the chapter newsletter *The Midden*, helps organize events and field trips, and contacts potential speakers for our monthly meetings. I later joined the board of PAHS and saw that Kathryn was one of the main cogs in the PAHS wheel. I am now president of PAHS and her enthusiasm, intelligence, honesty, thoughtfulness, and great memory has made my job much easier. Kathryn seems to always remember details from the past and has great ideas for the future. In conclusion, I cannot think of anyone who works harder in a volunteer capacity and is more deserving of this award.

Julie Tipton (RockArt): Julie Tipton served as CRAA Membership Chair for many years. CRAA appreciates her wonderful service and long-term dedication to the Colorado Rock Art Association.

Report from the Field: Liguria, Italy

We received the following report from Danielle Mercure, Alice Hamilton Scholarship recipient, on her fieldwork project in Italy.

This year's fieldwork in Liguria, Italy was another memorable experience that has built onto my growing passion in archaeology. Arma Veirana is a transitional cave site located 17km North of the Mediterranean. For five weeks, our team continued excavations in the front trench where we have defined a clear occupational period of terminal Mousterian (Neanderthal) in the lower layers, and some deposits from upper Paleolithic (Modern Human) near the surface. While the Mousterian deposits date back to approximately 43 kya, we are still in the process of dating the upper Paleolithic deposits. One of the main questions we are attempting to answer at this site is why human species like Neanderthals went extinct, shortly after Modern Humans migrated into Europe approximately 40 kya.



Our team, led by Dr. Jamie Hodgkins, was housed in the small village of Erli, tucked away in the mountains of Liguria. Team members were composed students and professors from Canada, Germany, Italy and the United States. We were split up into beautiful villas and our meals were provided by the only restaurant in the village (some of the best food I've ever tasted). This was my second season and it gets better every year; between the food, the people, the scenery, this is partially what makes a field season successful. Our workdays consisted of Sunday through Friday, starting the day at 7am and finishing at 5pm.

The first week involved bringing all equipment to the cave and setting up the site.

My job for most of the time was to operate the total station and begin excavating a new trench that will continue to the back of the cave and connect with other squares previously dug. I oversaw taking surface shots, mapping out new quads, and shooting in plotted finds for excavators. Operating the total station is personally a useful tool for me as I can comprehend the site layout and visualize the concentration of artifacts. Using new technology like total stations, GPS units and UAVs is something Arma Veirana is beginning to incorporate more into field seasons. I admire this aspect because it gives students a chance to learn different methodologies and build onto skillsets.



Although most of my time was required to be at site, I did get to spend some time in the lab conducting zooarchaeological analysis and working with the sieved materials from excavations. A typical day at the lab involved wet sieving the previous day of excavation materials. Each bag of materials was labeled with the appropriate tags with the stratigraphic unit, date, square and quad information. Once the materials were dried, each individual was instructed to sort through each bag; on average I went through five bags. For sorting, we had to keep track of bone (microfauna and macrofauna), lithic and dentition. After this was completed, we were required to organize them according to the origin of where they were excavated, then cataloged into our database.

In addition to sieving and sorting through artifacts, I spent one week conducting zooarchaeological analysis on remains from the previous and current season. The program we use to input all faunal data is Microsoft Access and Excel. In total, I identified about 500 specimens, most of which remain unidentifiable at due to the fragments being so miniscule. The specimens that were identifiable included: *Capreolus capreolus* (Roe deer), *Cervus elaphus* (Red deer), *Ursus spelaeus* (Cave bear), *Sus scrofa* (Wild boar), *Capra ibex* (Alpine ibex) and *Canis lupus* (Gray wolf). Identifying these

faunal remains consisted of collecting information about body size, surface modifications (i.e. cut marks), acid wear, fragment length and width, bone type, fragment type and side. Currently, we are still conducting analyses on the faunal remains. Once all data is collected, we will be able to obtain MNE and MNI, and provide a concrete illustration of the kinds of animals that were living across the landscape and the hunting preferences of the hominin species that once lived there.

My role in this project will be to continue focusing on the faunal remains, sampling a variety from the different layers and comparing surface modifications and taxonomy. With future excavations underway, we hope to gain insight into what these humans hunted, the tools they crafted and used, butchering techniques, and dietary preferences. Ultimately, my goal for this research is to frame a more precise understanding of these interactions between hominin species and environment.

Science Advisory Report

This report summarizes archaeological research and cultural resource preservation activities and projects conducted and reported in 2017, to date, by CAS chapters and members. The report is compiled from chapter online data entry forms and is organized by CAS research and

preservation interest areas of archaeological survey, excavation, laboratory processing and analysis, experimental archaeology, cultural site stewardship, and cultural resource curation along with information on chapter research and preservation communications and chapter collaborations.

So far, this year, six chapters reported internal, or member participation in external, activities in at least one interest area. Since not all research and preservation conducted by CAS or its members is currently captured by this report, the results summarized here should be considered a lower bound on our contribution to archaeological research and cultural resource preservation in Colorado and the broader Southwest. Of the activities reported, curation followed by lab research and excavation received the most volunteer time contributed by CAS members. Based on the number of members participating, though, site stewardship is the most pervasive activity and would likely also contribute the most member hours if site monitoring time were more fully reported. Survey reports show significant and growing participation with experimental archaeology an emerging area of CAS research with one reported project supported so far. The table below summarizes CAS chapter and member participation in archaeological research and preservation projects and activities.

Interest Area	Number of Members Participating	Hours Contributed
Survey	28+	686
Excavation	15	973
Lab	16	1031
Experimental Archaeology	1	13
Site Stewardship	63	315+
Curation	20	2676
Total	143+	5694+

CAS’s 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. As of this quarter our chapters and members have conducted 11 pedestrian surveys, covering 368 acres, discovering and recording 15 new sites, and recording 2650 artifacts. We’ve also participated in three rock art surveys and one photogrammetric training survey. This work adds new data for the archaeological community to analyze and interpret. We’ve also added to the body of knowledge, particularly concerning ancestral pueblo cultures in the Mesa Verde region, through member participation in seven excavation teams led by Crow Canyon Archaeological Center, the BLM and Sangre de Cristo National Heritage Area, Four Corners Research Mitchell Springs, CSU Field School, and the PaleoCultural Research Group. Working with Crow Canyon Archaeological Center, CU-Boulder, and the BLM Anasazi Heritage Center, CAS members have help wash, sort, catalog, analyze, and organize over 30,000 pottery sherds and lithics. Experimental archaeology is an emerging research area for CAS members. This year one of our members is participating in a joint Crow Canyon Archaeological Center and Hopi research project analyze Ancestral Pueblo farming methods and environmental factors.

While CAS’s research generates new data and knowledge, our cultural preservation projects

monitor and curate Colorado's cultural resources on the landscape and in museums and other curation facilities. On the landscape, our members monitor 94 cultural sites for the BLM Montrose and Tres Rios Field Offices, the BLM Canyons of the Ancients National Monument, the USFS, Colorado Parks and Wildlife, and the Archaeological Conservancy. Working in curation, our members assisted History Colorado prepare and document unassociated funerary items for repatriation under NAGPRA. We also helped the BLM Anasazi Heritage Center improve artifact storage efficiency, catalog artifact collections, support tribal consultations, and conserve artifacts and landscape features. Internally, we're analyzing and photographing private point collections in the Western Colorado Point Project. Members also assisted Four Corners Research to organize and catalog their Mitchell Springs and Champagne Spring artifact collections. We also prepared the Colorado Rock Art Association archives for public access at the Pueblo City-County Library.

Subsequent sections of this report provide a summary of our ongoing work as reported by our chapters and include points of contact to direct inquiries to find out more.

Survey Activities

Chipeta:

We have met with Alpine Archaeological Consultants and the Colorado State Historical Fund. We reviewed all the contract forms and related documents that will be required for status reports, etc. for the Escalante Game Drive Project. Contracts with the state and a subcontractor agreement with Alpine Archaeological Consultants are signed and the project can now proceed. During the late summer and early Fall, we recorded 2 sites in the Middle Fork of Escalante Creek in cooperation with the U.S. Forest Service. Under the direction of archaeologists Brian Haas and Leigh Ann Hunt volunteers surveyed, mapped and photographed the sites. The sites were investigated by Harold and Betty Huscher between 1939 and 1941. Neither had been recorded officially or issued a modern trinomial site number. Total volunteer field hours for this project is 58. For more information contact Nick Ard at nrard@bresnan.net.

Hisatsinom:

This year Hisatsinom continues our Trail Canyon East Rim Survey on private land started in 2015. We've added a second survey team to accommodate member and landowner interest. After annual training sessions at BLM's Anasazi Heritage Center and the Crow Canyon Archaeological Center, our survey teams completed a 40-acre survey started last Fall; completed three more surveys of 35, 80, and 83 acres; surveyed 60 acres of an 80-acre project; and surveyed 100 acres of a 440-acre project. Sites and isolated finds recorded included habitations, check dams, pottery and lithic scatters, points, and an historic flume. Cultural affiliations for most of the site and isolated finds ranged from Basketmaker III to Pueblo III with Pueblo II being the most prevalent. Sites with pottery were dated using diagnostic sherds and Bayesian analysis. Some points were recorded as isolated finds and dated from Archaic to Basketmaker III using Justice and expert consultation. We have submitted the required survey forms to OAHN for the four surveys completed so far, this year. This year we also initiated a photogrammetric survey pilot project under the Science Advisory Committee's Digital Archaeology Initiative and in collaboration with the BLM's Canyons of the Ancients National Monument. We signed a 5-year MOU with the BLM to conduct backcountry photogrammetric and site surveys of standing structure and rock art. The project kicked off with a workshop jointly conducted by Hisatsinom and the BLM Canyon of the Ancients National Monument Archaeologist at the Anasazi Heritage Center; which included practice photography and photogrammetric model building of the Escalante Pueblo. The photogrammetric survey team

currently has 14 members. For more information contact Dave Melanson at davemelanson@mac.com.

IPCAS:

We participated with PaleoCultural Research Group (PCRG) in partnership with the annual PAAC survey doing the Rio Grande Natural Area and Punche Valley Survey, Testing, and Rock Art Recording in June. On July 30, 2017 four IPCAS members conducted an archaeological survey and site recording of a historic cabin located on City of Boulder Open Space and Mountain Parks property located between Flagstaff and Boulder Canyon, relatively close to the historic water line/ditch that brings water from Barker Reservoir to the power plant in Boulder Canyon and the Betasso Water Treatment Plant. As part of documenting the site, we are conducting oral history interviews with long-time residents. Documentation of the site included mapping the site and its associated features, photographing and documenting surface artifacts, surveying the surrounding area for additional sites or associated features, and creating a 3-D photogrammetry model of the initials carved into the door frame of the cabin which indicate that initials were carved there as early as the 1920s. No excavation or shovel testing took place at the site. Katy Waechter and Christian Driver (IPCAS Members), are archaeologists employed by the City of Boulder Open Space and Mountain Parks. They are surveying and recording sites located on OSMP property during their free time in order to show the value of the work they do and why it needs to continue. For more information contact Delane Mechling at mechlings@hotmail.com.

Pikes Peak:

Three members volunteered for the Corral Bluffs Survey in June. One member worked on the survey near Antonito with PCRG. For more information contact Larry Hansen at larryh.cas@gmail.com.

Data summary for all contributing chapters:

*Surveyors: 28+ Pedestrian Surveys: 11 Hours: 686 Acres: 368 Sites: 15 Artifacts: 2630
Rock Art Surveys: 3 Photogrammetric Surveys: 1
Sponsors: Private Landowners, BLM Canyons of the Ancients National Monument, City of Colorado Springs and UCCS, USFS*

Excavation Activities

Hisatsinom:

Three Hisatsinom members dug with the Crow Canyon Archaeological Center on the Northern Chaco Outliers Project for a total of 105 hours. This project focuses on an ancestral Pueblo village located on private land near Cortez. The project seeks to understand Chaco influence in the Mesa Verde region, changing human/environment relationships during the A.D. 1130–1180 drought, and the emergence and functioning of community centers through time. Also, seven Hisatsinom volunteers assisted in three field schools at Mitchell Springs for a total of 738 hours. We excavated, screened, assisted in training other participants, tracked/logged in artifacts, mapped locations of key artifacts, and other miscellaneous tasks. For more information contact Dave Melanson at davemelanson@mac.com.

IPCAS:

Members participated in excavation projects during the PCRG/PAAC project; Meadowlark Terrace site at West Bijou with Dr. Gordon Tucker and Ted Hofer; Magic Mountain site with Dr.

Mark Mitchell and PaleoCultural Research Group; Mitchell Springs Ruins Group with Dave Dove of Four Corners Research; Fossil Creek site, Ft. Collins with Dr. Jason LaBelle and CSU Field School. For more information contact Delane Mechling at mechlings@hotmail.com.

Data summary for all contributing chapters:

Excavators: 15 Projects: 7 Hours: 973 Area: Unknown

Sponsors: Crow Canyon Archaeological Center, BLM and Sangre de Cristo National Heritage Area, Four Corners Research Mitchell Springs, CSU Field School, PaleoCultural Research Group

Laboratory Processing & Analysis

Hisatsinom:

This year Hisatsinom members working as volunteers in the Crow Canyon Archaeological Center Research Laboratory conducted a field lab at a Pueblo II Great House complex. Members participated in a dog leash survey and artifact analysis. Hisatsinom Crow Canyon lab volunteers also analyzed pottery sherds collected from another nearby Great House site. Lab analysis of artifacts from both sites is part of Crow Canyon's ongoing Northern Chaco Outliers Project. Hisatsinom members also worked in the BLM Anasazi Heritage Center laboratory analyzing collections stored in its archives. For more information contact Dave Melanson at davemelanson@mac.com.

IPCAS:

Under the supervision of Scott Ortman, Assistant Professor of Anthropology at CU-boulder, chapter members participated in a lab analysis of the artifact collection excavated by Florence Hawley Ellis at the Pojoaque Pueblo in 1952. Professor Ortman's summary of the work conducted by the team follows.

...IPCAS volunteers, my students, and I have made tremendous progress on the orphaned collection from Florence Hawley Ellis' 1952 excavation at Pojoaque Pueblo. For decades, the collection had been stored in the garage of Ellis' daughter, and upon the daughter's passing it came into the hands of the Maxwell Museum of Anthropology at the University of New Mexico, where Ellis had been a professor. When we received the collection on loan in the fall of 2015, it was in a hodge-podge of old boxes and the artifacts were in mouldy field bags inside, with the only identifying information being that which was written on the bags themselves some 60 years ago. This spring, we finally completed the process of cleaning up the material, recording the information on the field bags, identifying and classifying all the artifacts, and creating a relational database to keep track of the material and data. Now, we're entering a new phase of the project, where we double-check our original identifications using the database to help us find suspicious records, to make sure our analysis is as accurate as it can be. We'll use this information to reconstruct the demographic history of Pojoaque Pueblo and link it to Spanish Baptismal records for more recent times. Next year, our plan is to begin collecting more detailed information on the sizes and use-wear of vessels to help us understand the way Pojoaque people incorporated introduced Spanish foods into their way of life in the 17th and 18th centuries. Ultimately, we plan to make an exhibit for the CU Museum of Natural History on the project that will eventually travel to the Pojoaque Tribal Museum. I am so pleased by the tremendous progress we've made with all the help from IPCAS members and can't thank the volunteers enough for their long-term commitment and dedication. Stay tuned, as the best is yet to come! Scott Ortman Assistant Professor of Anthropology CU Boulder

In the Fall, IPCAS members continued to participate in the Pojoaque Heritage Project, meeting weekly with Dr. Scott Ortman. Volunteers sorted and documented Pojoaque/Cuyamungue

ceramic sherds from northern New Mexico and are currently working on the analysis of dough bowls.

Averaging 25 hours/month over a six-month period, Kris Holien, an archaeological technician at Rocky Mountain National Park continued her work on various projects including organizing file cabinets and corresponding digital files of site forms covering the entire Park which spans Boulder, Grand, and Larimer counties.

For more information contact Delane Mechling at mechlings@hotmail.com.

Data summary for all contributing chapters:

Analysts: 16 Hours: 1031.3 Artifacts: 30,000+

Activities: Washing, Sorting & Routing, Cataloging, Analysis & Data Recording, Organizing Files

Sponsors: CU-Boulder, Crow Canyon Archaeological Center, BLM Anasazi Heritage Center

Experimental Archaeology

Hisatsinom:

A member volunteers on The Pueblo Farming Project; which is a collaboration between the Crow Canyon Research Institute and the Hopi Cultural Preservation Office to understand ancient maize agriculture in the Mesa Verde region through documenting traditional ecological knowledge, experimental gardens, and genetic analysis. For more information contact Dave Melanson at davemelanson@mac.com.

Data summary for all contributing chapters:

Experimenters: 1 Projects: 1 Hours: 13.25

Sponsor: Crow Canyon Archaeological Center Research Institute, Hopi Cultural Preservation Office

Site Stewardship

Chipeta:

On March 13th, 18 of 26 site stewards currently active with Montrose BLM and Chipeta Chapter attended a 3-hour training and experience sharing session at the BLM offices. Thirteen participants received 52 hours of training on April 8th. We had 37 members that served as site stewards over the past year. All have taken the site stewardship class conducted by Glade Hadden, BLM archaeologist and signed an archaeological ethics form. Currently our members monitor 55 sites of which 43 are on BLM lands, 7 are on USFS lands and are designated as Priority Heritage Assets, 3 are on Colorado Parks and Wildlife property, and 2 are on land owned by the Archaeological Conservancy. The sites are spread out across 5 western Colorado counties. 5 of the BLM sites are paleontological sites. The monitoring of the program's sites turned up some minor surface disturbances. Also, site stewards discovered and reported vandalism of structures designed to prevent access to the Captain Smith cabins complex. The buildings were temporarily closed until they can be stabilized. As of September 30, 2017, 315.5 hours of volunteer time has been dedicated to monitoring the 55 sites. Site stewards visit their assigned site(s) between once and four times annually. Most of the sites are in remote settings, far off the beaten path. For more information contact Nick Ard at nrad@bresnan.net.

Hisatsinom:

Twenty-one members attended BLM site steward training this year and are currently monitoring 34 sites on the BLM Canyons of the Ancients National Monument. All stewards have completed their annual photo baselines and have documented visits to their assigned sites. The BLM is in the process of expanding their site stewardship program to cover the Tres Rios district and some of our members have been assigned as stewards for sites in this expanded area. For more information contact Dave Melanson at davemelanson@mac.com.

IPCAS:

One member serves as a USFS site steward for 1 site on Pawnee National Grassland in Weld County. For more information contact Delane Mechling at mechlings@hotmail.com.

SJBAS:

Four members serve as site stewards for The Old Spanish Trail Association and the Santa Fe National Forest. For more information contact Tish Varney at tishvarney@att.net.

Data summary for all contributing chapters:

Stewards: 63 Sites: 94 Visits: Unknown Hours: 315+

Sponsors: BLM-Montrose Field Office, BLM Tres Rios Field Office, BLM Canyon of the Ancients National Monument, USFS, Colorado Parks and Wildlife, Archaeological Conservancy.

Cultural Curation

Chipeta:

Under the direction of Neil Hauser, an initial training was conducted with 7 volunteers on February 2nd and a second training session was conducted for the Western Colorado point project on March 7th. Eight persons attended and Neil announced that enough private collections had been located to begin the process. Two sessions of projectile point cataloguing were conducted later in March resulting in the documentation of over 200 points from Blue Creek, Gunnison County. To date chapter members have volunteered 173 hours on the project. As of July 2017, 800 points/bases have been photographed and preliminary measurements taken. Individual points have been extracted from pictures of framed points, some from pictures taken in 1975. Neil Hauser is also looking for points at museums and those from excavations associated with C14 dates. For more information contact Nick Ard at nrard@bresnan.net.

SJBAS:

Two members are curation volunteers at the Anasazi Heritage Center and one member is a volunteer curator at Mesa Verde National Park. For more information contact Tish Varney at tishvarney@att.net.

IPCAS:

In August, Rosi Dennett and Gretchen Acharya completed assisting NAGPRA Liaison Sheila Goff at History Colorado with documentation and preparation of approximately 220 unassociated funerary items to be repatriated in accordance with the Native American Graves Protection and Repatriation Act. These items are from private collections or excavations conducted in the 1920s (primarily from the Mesa Verde region) that were donated over the years to History Colorado and have been noted in museum documentation to be associated with burials. Rosi and Gretchen were honored to participate in the Native American consultation in August to determine the final steps of the repatriation project. Attending the consultation were representatives from five tribes including Hopi, Acoma, San Felipe, Santa Clara and Ute

Mountain Ute. For more information contact Delane Mechling at mechlings@hotmail.com.

Hisatsinom:

This year Hisatsinom volunteers worked at the BLM Anasazi Heritage Center (AHC) on projects to improve curation efficiency and availability of collections to researchers. This included packing and cataloging virtually all whole ceramics, including bowls, jars, dippers, mugs and other items to allow full replacement of shelving in AHC storage areas with mobile, space-saving shelving including the entire Chappell collection with its research and NAGPRA implications; working with AHC staff on annual Tribal Consultations; cataloging previously (years and decade's worth) uncatalogued collections of various artifacts, especially projectile points, to increase information and availability to researchers and the public; and generally assisting the AHC in logistics and emerging scientific techniques in conservation and preservation of both artifacts and landscape features at AHC and Canyon of the Ancients National Monument. Three Hisatsinom volunteers spent 180 hours processing artifacts collected at Mitchell Springs and Champagne Spring. This included taking the Mitchell Springs and Champagne Spring artifact bags and putting them in numbered and marked boxes by artifact type and creating an inventory list. Dave Dove enters this data into a database; which can be queried to support research projects. For more information contact Dave Melanson at davemelanson@mac.com.

Pueblo:

Following the 2015 move of the Colorado Rock Art Association (CRAA) archives from the Anthropology Department of CSU-Fort Collins, to the Special Collections Department of the Pueblo City-County Library District, local members have volunteered weekly to prepare the collection for public access. Specifically, the collection (books, pamphlets, CRAA reports, slides, photographs, rock art tracings, field notes and drawings) have been catalogued item-by-item and redaction for general audiences accomplished. The collection items have been stored in archival housings. Digitalization of photos, slides, and other appropriate material is planned and a finder tool to allow qualified researchers to access an online searchable database is being developed. Pueblo City County Library, Special Collections, Bill Buckles Collection: PAHS members have logged weekly work sessions since mid-2015 on tasks which will allow the Bill Buckles collection of materials to be properly archived. The volunteers have compiled an itemized database of approximately $\frac{3}{4}$ of the collection which is comprised of background research material assembled by Buckles in preparation for survey and excavation work in Colorado, as well as field notes from this work. For more information contact Carla Hendrickson at carlahendrickson@gmail.com.

Data summary for all contributing chapters:

Curators: 20 Hours: 2676 Artifacts: 800+ Digitally curated sites/collections: 3

Sponsors: Internal CAS, BLM-AHC, Mesa Verde National Park, Four Corners Research Mitchell & Champagne Springs, Pueblo City County Library

Research & Preservation Communications

Chapters hosted numerous, informative, public lectures, but no CAS-authored presentations, reports, or articles have been reported.

Data summary for all contributing chapters:

Presentations: 0 Reports: 0 Articles: 0

Chapter Collaboration

Chipeta:

The Chipeta chapter submitted an application to the Colorado Historical Society for a grant to do a preliminary study of a game drive site on the Uncompahgre Plateau. The study will be performed in conjunction with Alpine Archeology. We should hear soon if the grant has been approved. For more information contact Nick Ard at nrard@bresnan.net.

Hisatsinom:

Members from the Pikes Peak Chapter participated in the Hisatsinom Photogrammetric Workshop. Hisatsinom entered into a formal partnership with the BLM Canyons of the Ancients / Anasazi Heritage Center to conduct backcountry photogrammetric surveys and photogrammetrically record artifact collections. For more information contact Dave Melanson at davemelanson@mac.com.

Data summary for all contributing chapters:

Events: 1 Projects: 1 ongoing, 1 pending

Respectfully submitted for the Science Advisory Committee,
David Melanson, Chair

Upcoming Meetings

CAS Quarterly Board Meetings:

January 13, 2018, Loveland.
April 7, 2018, Grand Junction.
July 2018 (date TBD), Montrose.
Sept./Oct. 2018 (date TBD), Cortez.

**Colorado Council of Professional Archaeologists (CCPA) 40th Annual Meeting in Longmont, CO
March 8-10, 2018**

**Society for American Archaeology (SAA) 83rd Annual Meeting in Washington, DC
April 11-15, 2018**

**American Rock Art Research Association (ARARA) Conference in Grand Junction, CO
June 1-4, 2018**

**Plains Anthropological Society 76th Annual Conference in San Antonio, TX
October 24-27, 2018**

Other Items of Interest

Southwest Kiln Conference/Workshops

This group focuses on the art, science and technology of recreating prehistoric southwestern pottery. Next summer's conference is expected to be in Blanding, Utah, and will include pottery making workshops. www.swkiln.com

New Rock Art Book:

Spirits of the Stone by Gary and Ming Adams

The Adams own and operate Canyons of the Ancients Guest Ranch in McElmo Canyon near Cortez and have been photographing and researching regional rock art for many years. Available on their website: <http://canyonoftheancients.com/spirits-of-the-stone-book/>

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