

ALL POINTS BULLETIN



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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In This Issue:

I.	Guest Article	Page 1
II.	Board Announcements	Page 3
III.	Upcoming DC-CAS Lecture	Page 4
IV.	Upcoming Classes	Page 6
V.	Upcoming Archaeology Conferences	Page 6
VI.	Opportunities to Get Involved	Page 6
VII.	Blast from the Past	Page 8
VIII.	Poetry Corner	Page 9
IX.	Archaeology in the News	Page 9
IX.	DC-CAS General Meeting Minutes.....	Page 10
X.	Chapter Officers, Contact, Editor, & Publishing Information	Page 15

GUEST ARTICLE:

Editor's Note:

This article has been submitted to CAS APB by persons who wish to remain anonymous at this time. Names have been changed or omitted to protect the identities of those individuals involved with the movement who fear blacklisting in the CRM industry.

Unionization in CRM: Our Main Concerns

Submitted by Anonymous

The death of a young archaeologist in Louisiana has left many CRM Archaeologists with concerns about the industry. Talk of unionization has been circulating for

decades but has yet to coalesce into a unified movement. There are many among us who understood all too well the circumstances that led to this young woman's death. This tragedy has caused many to think back on situations where a firm pushed and expected crews to work at an unsustainable pace, in a harsh environment, where everyone did just that, without question. Many newcomers to CRM are just trying to get their foot in the door. They take CRM work to gain experience, build their CVs and find networking opportunities. However, they are rarely told the dangers of the job and feel pressure to push through dangerous surveys to prove themselves. We all know there are many good firms in North America that care about their employees and hold their safety above all else. We all also know that there are countless firms who only care

about the bottom line and will toss a tech aside if they cannot perform at full capacity in perpetuity.

These unsustainable practices have caused many to leave the industry. However, some of us are lifers. We love what we do and only wish for support in our positions. Support that comes in the form of bathrooms, water, and pay that matches our expertise, an expertise mandated by state and federal law. Right now, between several hundred and several thousand archaeological professionals nationwide are considering unionization to protect themselves and their livelihoods, as well as incoming young professionals who were not warned how grueling some of our work can be.

Below is a summary of concerns and such from a few members of a new effort to unionize.

1.) Danger: If you've been in CRM awhile, you've probably had your fair share of dangerous situations. Not all of them can be helped. Can we remove the alligators from the project area? Can we turn down the heat on a 110 degree day? Of course not. But, there are precautions we can take. The conflict arises when a firm tells you that there simply isn't time to train new techs in safety or refuses to acknowledge that an area will take longer because precautions must be taken. As skilled professionals, as human beings, we are not just bodies to be thrown at a project.

2.) Pay: Without a union, many archaeologists have little to no bargaining power when it comes to negotiating pay. As a result, we make far less than the construction workers and oil and gas workers we often work side by side with. Masters degrees for Archaeology cost tens of thousands of dollars but most archaeologists with Masters degrees do not make a salary that reaches paying off that student debt. Even many paying for school as they go cannot expect to make much more than they make as a tech when they move up to crew chief status. The same holds true with a doctorate.

3.) Healthcare: Most seasonal techs or techs who aren't paid well are not able to obtain health insurance through their employer or its expensive through the marketplace. Most seasonal workers are eligible for healthcare through their state. However, as most of you know, archaeology takes you away from your home base state often. When an accident occurs in the field, out of state, a tech can be stuck with a large medical bill because state healthcare is only covered in the state in which you

predominantly live. Many may try to make it through a survey sick or injured until they can make it back to the state in which they have healthcare putting them at further risk.

4.) Accuracy: The greater majority of archaeologists take pride in their work and strive to do the best, most scientific, work that is possible in the field. However, many expressed concern over accuracy of survey when techs are pushed to finish quickly through dense vegetation, in high or low temperatures, or when cultural materials and sites are more numerous than expected. Simply to make deadlines or keep up, many techs feel pressure to skip shovel tests and other methods of archaeological survey.

5.) Discrimination and Dehumanization: The speed and physical strength required by some CRM firms goes beyond what is required for the job and becomes discriminatory. Several techs reported that reasonable accommodations requested were ignored or they were dropped from crews altogether after making requests. Requests such as breaks on hot days, extra water, bathrooms in exposed areas with no privacy from brush or rock outcroppings etc., and a slower pace due to health concerns such as asthma or hand warmers to avoid stiffness and pain from Raynaud's Syndrome. One female tech reported being made to "hold it" after repeated bathroom requests which resulted in the woman bleeding through her work clothes. After informing the crew authority that she needed a bathroom break to tend to her menstrual needs, she was reported for being "unprofessional." Other techs reported hostility from crews and locals for their sexual orientation and gender identity that were ignored by CRM firm management.

These issues are at the top of the list of concerns reported by techs and crew leads/chiefs working in North America and are the primary catalysts mentioned in the interest to unionize. Right now, those of us involved in this movement urge those in the industry to talk to coworkers about their concerns and organize by social media and word of mouth. We also recommend using caution, vigilance, prudence and common sense to avoid blacklisting. We also want to remind those of you who do organize that you have the right to organize in the name of collective bargaining under the National Labor Relations Act of 1935. For more information on labor rights, go to <https://www.nlrb.gov/>. For more information

on workplace discrimination, go to
<https://www.dol.gov/agencies/odep>.

BOARD ANNOUNCEMENTS:

Membership: The Board would like to extend a warm welcome to our new members, and to thank existing members for their membership renewals. Your support means a lot! As the year comes to an end, we wish you all a very healthy, happy and prosperous New Year. We look forward to serving you in 2023. If you have any suggestions for speakers or activities you feel would be of interest to our membership, please reach out to the Board using the information listed on the last page of this newsletter. We welcome your active participation in the organization!

Thank You: The Board wishes to extend a big thank you to History Colorado Center, Office of the State Archaeologist, State Archaeologist, Holly Norton, and newly-retired State Curation Coordinator, Todd McMahon for arranging ongoing access to the Emery Archaeology Lab for the Denver Chapter's monthly General Meetings. Our organization is most appreciative of their support.

The Board would also like to express their thanks to Shawn Fausett, Emery Archaeology Lab Coordinator for his unwavering support which ensures our meetings are accessible both in-person and virtually. We would also like to thank Rebecca Simon for filling in for Shawn Fausett. Her technical wizardry saved the day!

New Exhibit at History Colorado Center: Please be sure to check out the relaunched exhibit, *The Sand Creek Massacre: The Betrayal that Changed Cheyenne and Arapaho People Forever*. Visit History Colorado's website (<https://www.historycolorado.org/exhibit/sand-creek-massacre-betrayal-changed-cheyenne-and-arapaho-people-forever>) for additional information. It is a thoughtful and interesting exhibit which should not be missed.

International Archaeology Day 2022: The Colorado Archaeological Society's appearance at the October 15th International Archaeology Day was a great success in raising our public profile. The booth was manned by Indian Peak's Larry Beidle and Denver's Stacy Greenwood, Jon Kent and Craig Dengel. They fielded several questions from the public. Indian Peak's Christian Driver provided a lithic pressure flaking demonstration which drew the attention of many attendees. Our booth handed out State CAS brochures, Indian Peaks and Denver Chapter newsletters, and handkerchief swag.

CAS Annual Meeting: The 87th CAS Annual Meeting was hosted by the Northern Colorado Chapter in Loveland on October 22-23. A summary of the meeting is available in *The Surveyor*, Vol. 19, Issue 2, Fall 2022 (https://www.coloradoarchaeology.org/files/ugd/3cca93_6260b299eb01476e9e2dc8a8ccabab7d.pdf). The 88th CAS Annual Meeting will be hosted by the Pikes Peak Chapter in Colorado Springs. The date to be announced later in the year.

As part of the 87th Annual Meeting tour activities, many Denver Chapter members accepted an invitation from the Indian Peaks Chapter to join them in a morning tour of the Magic Mountain Site in Golden on Sunday, October 23rd. After the site tour, attendees enjoyed several afternoon lectures at the New Terrain Brewing Company, Golden. The tour and lectures were led by Dr. Mark Mitchell and Chris Johnston of the Paleocultural Research Group.

November Board Elections for 2023: The elections for the Denver Chapter's 2023 Board were held during the November 14th General Meeting. Craig Dengel introduced the slate of candidates to membership. A call for additional nominations from the floor was made with no response. Membership voted to unanimously accept the candidate slate as presented.

The following Board Members will continue in their current positions: Craig Dengel as President, Stacy Greenwood as Secretary, Michele Giometti as Treasurer, and Teresa Weedin as a Director. The following current Board Members will move to new positions: Amy Gillaspie will move into the Vice-President position, while Deb Bollig will move into a Director position. The following new Board Members will fill the positions vacated by Gillaspie and Bollig: Gene Wheaton will assume the CAS Representative/PAAC Coordinator position, and Melissa Dolin will become the new Membership

Secretary. Ken Andresen will continue as the appointed Historian, while Emily Seabold is appointed the new APB Newsletter Editor and Monica Eckels is appointed Workshop/Tours coordinator.

A big thank you goes out to 2022 Vice-President, Kayla Bellipanni for her excellent work to obtain engaging and interesting speakers this past year. Another thank you is expressed to Reid Farmer for his role as Director for a number of years. The Board wishes them both great success in their future endeavors.

December 12th Members Night: This year's Members Night potluck was held at History Colorado Center with twenty-five members in attendance. With assistance from Shawn Fausett, access via the Zoom platform was also available to members wishing to attend remotely. A smorgasbord of dishes, desserts and beverages were enjoyed by all in attendance.

The evening's program began with a presentation by Amy Gillaspie on the Astor House Community Archaeology Project in Golden. The second presentation for the evening was by Michael Kolb which highlighted recent excavations on the Auraria Campus 9th Street History Park. Excavations were carried out by Kolb, Gene Wheaton and numerous students from CCD, CU-Denver and MSU-Denver. The presentations were followed by the introduction of the new 2023 Board Members to membership.

The evening concluded with a video presentation commemorating the 75th Anniversary of the Denver Chapter. The video was produced by DC-CAS Director, Josef Garrett, and featured interviews with five past DC-CAS Presidents. The video was hosted and narrated by current President, Craig Dengel. Many thanks to Sharon and Terry Murphy, Jon Kent, Gordie Tucker Jr., and Jack Warner for sharing how they became DC-CAS members, what their favorite memories were as members, and what they hoped to see for the Chapter going into the future. The video concluded with a slide show of past DC-CAS projects.

A write-up of the Members Night potluck will be available in the next APB issue. Due to technical issues, Gillaspie's presentation was not recorded. The Kolb presentation is available on the Chapter's YouTube Channel - <https://www.youtube.com/watch?v=yXGHPoxsBF0>. The 75th Anniversary video will soon be uploaded to the channel.

2023 Schedule for DC-CAS Board and General Meetings:

Board Meetings (Virtual): 1st Monday of Each Month – January 2nd, February 6th, March 6th, April 3rd, May 1st, June 5th, No Meeting in July, August 7th, September 4th, October 2nd, November 6th, and December 4th (Annual Board Dinner).

General Meetings (Hybrid): 2nd Monday of Each Month – January 9th, February 13th, March 13th, April 10th, May 8th, June 12th, No Meeting in July, August 14th (DC-CAS/ESS Meeting), September 11th, November 13th, and December 11th (Members Night).

UPCOMING DC-CAS LECTURES:

DC-CAS General Meetings are held in-person at 7:00 pm in the Emery Archaeology Lab, History Colorado Center, 1200 N. Broadway, Denver 80203. For those attending in-person, please enter through the Staff/After-Hours Security Entrance on Lincoln St. Metered street parking is available on Lincoln St. (free after 6:00 pm). Paid garage parking is available on the northwestern corner of 12th Ave at Broadway. Remote access is provided via the Zoom platform for those members who wish to attend virtually.

In-person attendees are invited to join us at 5:00-5:15 pm for a pre-lecture dinner at Stoney's Bar and Grill, 1111 Lincoln Street, Denver 80203.

Monday, January 9, 2023 General Meeting (Hybrid): Our speaker will be Caitlin Calvert, recent graduate from Metropolitan State University of Denver. Her presentation will examine recent analysis of survey results from Cherokee Ranch near Sedalia.

Monday, February 13, 2023 General Meeting (Hybrid): Our speaker will be Dr. Jade Luiz, Assistant Professor of Anthropology, Metropolitan State University of Denver. Dr. Luiz will present her work with historic brothels on the east coast of the United States. She will also share information on her upcoming work in Colorado.

Monday, March 13, 2023 General Meeting (Hybrid): Our speaker will be Natalie Patton, Anthropology Collections Assistant, Denver Museum of Nature and Science (DMNS). Her presentation will be on bison hunting strategies, and how these strategies are reflected in the Jones-Miller Site Collection at DMNS, a bison kill site which dates to about 10,000 years ago. The Museum's ongoing care for this important collection will also be discussed.

UPCOMING LECTURES – OTHER ORGANIZATIONS:

Archaeology Southwest – Archaeology Café:

A list of monthly online Archaeology Café lectures is available through May 2023. Please visit <https://www.archaeologysouthwest.org/things-to-do/cafe/> for further information and registration. On **February 7, 2023**, Louie Garcia and Laurie Webster will be presenting, *Weaving a Partnership: The Collaborative Journey of the Cedar Mesa Perishables Project*.

The Archaeological Institute of America's Virtual Lectures: (National) All free and open to the public. The 2022-2023 AIA Archaeology Hour Virtual Evening Lectures continue at 7:00 pm ET/4:00 pm PT. View upcoming virtual lectures through April 2023 at <https://www.archaeological.org/programs/public/lectures/archaeologyhour/>. Previous Archaeology Hour Lectures are available here: <https://www.youtube.com/@ArchaeologyTV/playlists>. **Upcoming:** Kara Cooney- January 17th & 18th, *The Good Kings: Absolute Power in Ancient Egypt and the Modern World* and January 26th, *Ramses the Great: Power and Patriarchy*.

Crow Canyon Archaeological Center: Crow Canyon continues their popular weekly lecture series in 2023 (Thursdays, 4:00 pm MT). Visit <https://www.crowcanyon.org/archaeology-webinars/> for lecture schedule and to register. On **February 23, 2023**, Emily Jones will be presenting a lecture titled, *Horses and Humans in the Early Historic North American West*.

Denver Society of the Archaeological Institute of America: (Local AIA Chapter)

January 28, 2023: Dr. Spencer Pelton, Wyoming State Archaeologist will be the guest speaker for a virtual lecture on the Powars II Site. A list of monthly Denver Society lectures through April 2023 is available at <https://aiadenver.org/lectures-events/>.

Egyptian Studies Society: Please visit the Egyptian Studies Society's website for upcoming 2023 monthly lectures (<https://egyptianstudysociety.org/lectures.htm>).

History Colorado Center: The following lectures are scheduled through May 2023 as part of the Rosenberry Lecture Series. The lectures will be hybrid (in-person and virtual access). See <https://www.historycolorado.org/rosenberry-lecture-series> for further information and tickets.

February 15, 2023 (1:00pm-2:00pm) – *Come On In Dearie: Reclaiming the Stories of Sex Workers in 19th-Century Denver*, presented by Ann Sneesby-Koch, Assistant Curator of Serials at History Colorado.

March 15, 2023 (1:00pm-2:30pm) – *The Once and Future Hope of Dearfield: Colorado's African American Colony in the Early 20th Century*, presented by Bob Brunswig Ph.D. (Professor Emeritus and University Research Fellow at the University of Northern Colorado), George H. Junne, Jr. Ph.D. (Professor and Coordinator of Africana Studies at the University of Northern Colorado), and Richard Edwards Ph.D. (Director Emeritus of the Center for Great Plains Studies, University of Nebraska).

April 19, 2023 (1:00pm-3:30pm) – *The Sand Creek Massacre National Historic Site: From its Establishment to its Essential Role Today*, presented by Alexa Roberts, Chairperson of the Sand Creek Massacre Foundation, a non-profit organization dedicated to supporting the educational initiatives of the Sand Creek Massacre National Historic Site.

May 17, 2023 (1:00pm-2:00pm) – *Legacies of Colonialism, Possibilities for Democracy: Colorado's Public Lands*, presented by State Historian, Jared Orsi, Professor of History at Colorado State University.

UPCOMING CLASS:

The Brooklyn Institute For Social Research: Monday, 6:30-9:30pm ET, 4 weeks (January 30 — February 20, 2023) – Decolonizing the Human: an Introduction to Sylvia Wynter-The Brooklyn Institute is offering a class, instructed by Joseph Earl Thomas, that dissects the work of Jamaican writer Sylvia Wynter and aims to challenge the Western concepts of what it means to be human. \$315.00.

<https://thebrooklyninstitute.com/items/courses/new-york/decolonizing-the-human-an-introduction-to-sylvia-wynter/>

UPCOMING ARCHAEOLOGICAL CONFERENCES:

Colorado Council of Professional Archaeologists Annual Meeting: - The 45th Annual Meeting will be held March 9-11, 2023 at the Wright Opera House in Ouray. Please refer to their latest newsletter (<https://coloradoarchaeologists.org/wp-content/uploads/2023/01/2023-January-CCPA-Newsletter-Vol-45-No-1.pdf>) for registration, call for paper deadlines and accommodation information.

Society of American Archaeology: - The 88th Annual Meeting will be held March 29-April 2, 2023 at the Oregon Convention Center in Portland, Oregon. For further information and to register, please visit <https://www.saa.org/annual-meeting>.

OPPORTUNITIES TO GET INVOLVED:

Emery Archaeology Lab: If you have archaeological field or laboratory experience, please consider volunteering your time to work on various projects in the Emery Archaeology Lab at History Colorado. Contact Shawn Fausett, Emery Archaeology Lab Coordinator (shawn.fausett@state.co.us) for further information.

PAAC Classes: DC-CAS is still awaiting news about 2023 class offerings. There has been a change in personnel which has added to a delay in information. We are hoping to hear something soon. If there is interest from membership, the Board may consider putting together educational workshops as an alternative to the PAAC classes.

Museum Basic Classes: The Insights and In-Person program at History Colorado Center is offering classes for those who work or volunteer at cultural institutions such as museums, libraries and archives. Classes are also suitable for graduate students who are interested in pursuing this line of work:

- Basics of Curation - Wednesday, March 8, 2023 – 5:00pm to 7:00pm

- Accessioning and Cataloging – Wednesday, May 10, 2023 – 5:00pm to 7:00pm

- Increasing Access to Collections – Wednesday, July 12, 2023 – 5:00pm to 7:00pm
- Oral Histories – Wednesday, September 13, 2023 – 5:00pm to 7:00pm
- Working with Military Collections – Wednesday, November 8, 2023 – 5:00pm to 7:00pm

For further information and to register, please visit -

<https://www.historycolorado.org/insights-inperson#:~:text=InSights%20%26%20InPerson%3A%20How%2DTo,your%20own%20pieces%20of%20history>.

2023 FIELD SCHOOLS: It's not too early to start looking for opportunities to do archeological fieldwork. The following field school opportunities will have varying requirements and application deadlines. Please visit their respective websites for full information on their programs. **Note:** Publication of field school opportunities by DC-CAS are not to be considered endorsements. Please undertake your own research on the programs listed below. Additional projects will be posted as they become known.

- **Colorado State University Archaeological Field School with Dr. Edward Henry:**

Cahokia Mounds, Illinois and Pinson Mounds, West Tennessee

Date: May 22, 2023 to July 14, 2023

Application Deadline: March 10, 2023

For further information, please visit

<https://anthgr.colostate.edu/research-and-teaching/field-schools/archaeology-field-school/>.

- **Crow Canyon Archaeological Center College Field School for Undergraduates:**

Date: May 29, 2023 to July 14, 2023

Application Deadline: March 12, 2023

For further information, please visit <https://www.crowcanyon.org/college-field-school/>.

- **New Mexico State University Archaeological Field School:**

Date: May 25, 2023 to June 30, 2023

Application Deadline: March 10, 2023

For further information, please visit <https://anthropology.nmsu.edu/projects/field-school.html>.

- **Northern Arizona University Education Abroad in Peru with Dr. Kayeleigh Sharp:**

NAU in Peru: Changing Worlds, Transforming Lifeways

Date: May 28, 2023 to June 10, 2023

Deadline: February 15, 2023

For further information, please visit

<https://edabroad.nau.edu/index.cfm?FuseAction=Programs.ViewProgramAngular&id=11148>.

- **Northern Arizona University Education Abroad in Belize with Dr. Jaime Awe:**

NAU in Belize: Archaeological Field Work Experience

Date: Session 1 – May 29, 2023 to June 4, 2023 Session 2 – July 2, 2023 to July 29, 2023

Deadline: February 15, 2023

For further information, please visit

<https://edabroad.nau.edu/index.cfm?FuseAction=Programs.ViewProgramAngular&id=10552>.

- **University of Wyoming Advanced Field School – Hell Gap Field Station:**

Date: June 17, 2023 to July 24, 2023

Application Deadline: Class tuition and registration must be made by June 16, 2023. For further information, please visit <http://www.uwyo.edu/anthropology/fieldschool/advancedfieldschool.html>.

- University of Wyoming Field School – Central Alaska:

Date: May 23, 2023 to June 30, 2023

Application Deadline: February 15, 2023

For more information, please visit <https://sites.google.com/uwyo.edu/anth-4140-alaska/home>.

ADDITIONAL FIELD OPPORTUNITIES:

- Archaeological Institute of America (AIA):

AIA posts fieldwork opportunities available worldwide. For further information, please visit <https://www.archaeological.org/programs/professionals/fieldwork/afob/> to search for upcoming projects.

- Crow Canyon Archaeological Center Archaeological Research Program:

Archaeological Survey, Hawkins Preserve, Cortez, CO.

Dates: Session I – September 4, 2023 to September 8, 2023

Session II – September 18, 2023 to September 22, 2023

Each session is limited to ten participants

For further details and to view an informational video, please visit

<https://www.crowcanyon.org/archaeology-research-program/>

- Dominguez Archaeological Research Group: If you are interested in working in the Upper Colorado River Basin area, please visit <https://www.dargnet.org/index.html> for more information about this organization.

- Earth Watch: Visit <https://earthwatch.org/expeditions/browse?f%5B0%5D=expedition-focus%3A66> for information on volunteer opportunities available for archaeology fieldwork.

- Forest Service Passport in Time Program: Visit the following website from time to time to see if there are Forest Service projects available in your area - <http://www.passportintime.com/available-projects.html>.

- Paleocultural Research Group: Please visit <https://paleocultural.org/participate/> for upcoming 2023 field opportunities and to join their mailing list.

- South Park Site Stewardship Program: If you hike in the South Park area, please consider becoming a site steward. For more information, please visit <https://www.southparksitestewards.org/>.

BLAST FROM THE PAST: A look at the rich 75-year history of the Denver Chapter

This Quarter in DC-CAS History –

October: 1952 – Nineteen Denver Chapter members attended the State CAS Convention in Rocky Ford. After the banquet, the Koshares held a program of their dances at their kiva in La Junta. **1958** – The October 15th speaker was Miss Louisa Tso-sie, a recent Durango High School graduate and now student nurse at St. Luke's Hospital. The topic was the Navajo Way of Life. Her forefathers were Navajo Medicine Men. **1960** – American Antiquity published an article by Denver Chapter members, Bert Mountain and Herbert W. Dick titled, *The Claypool Site, a Cody Complex Site in Northeastern Colorado*. (published in American Antiquity, Vol. 26, No. 2, October 1960). **1976** - Dr. Bruce Rippeteau,

State Archaeologist was the speaker at the October 20th General Meeting. The title of his presentation was, *An Overview of Colorado Archaeology, Science and Management*.

November: 1957 – The framed Charter for the Denver Chapter had vanished. The person who had it was asked to bring it to the next meeting or to call Earnest Parshall, so it could be placed with the Chapter records. There had still been no response in December. However, an undated pencil notation by Edith Bennet noted the Charter had been found with Harry C. Morton. **1969** – M/Sgt. Jim Brady, Lowry Air Force Base, Photo-Journalism School gave a presentation on photographic techniques in archaeology. His talk included demonstrations on finding archaeological sites using aerial photography, and the use of photographic enlargement to examine projectile points. **1976** – Ed Iannacito wrote an article for the APB regarding his 1974 visit with Jim Romer to the high-altitude site, Ptarmigan. **1987** – On November 18th, Jon Kent presented a slide lecture on his archaeological work on Peru.

December: 1958 – Joe Ben Wheat was the guest speaker for the December 17th General Meeting at the Denver Museum of Natural History. His presentation was titled, *The Cheyenne Wells Dig*. **1961** – The December 20th General Meeting was held at the Denver Museum of Natural History. The evening featured two films, *Navajo Sand Paintings* and *The Loon Necklace*. The postponed Board Elections were held. Refreshments and snacks were served. **1967** - While pheasant hunting in Yuma County, Bruce Stewart had the opportunity to view the private collection of one of the landowners. Stewart shared his detailed drawing of a projectile point he noted as resembling the Meserve projectile point. **1977** – Don Nordstrom and Alice Hamilton presented a narrated slide show on the Torres Cave Excavations. The Torres family was in attendance. The slide show was later presented to the State Historical Society.

From the Denver Chapter Poetry Corner:

I lived here, in the long ago.
You do not know my name,
But you have found my arrowheads
And fossil bones of game.

Call it irony of fate,
But these alone remain
To tell the tale of ancient man
Who roamed this western plain.

The broken points I left behind,
The bones I tossed aside
Are cast up by the seas of time....
I vanished with the tide.

I lived and hunted, loved and died –
The story of my day
Is told, not by my treasures, but
By what I threw away.

This untitled poem written by Gene Lindberg was taken from the scrap book of Judge C. C. Coffin. Originally published in the *All Points Bulletin* in July 1967 (Vol. 4, No. 7, p. 2)

ARCHAEOLOGY IN THE NEWS:

WEST/SOUTHWEST

Archaeologists uncover oldest known projectile points in the Americas (December)- The Cooper's Ferry Site in Idaho yields oldest projectile points thus far found in North America-16,000 years ago! A team from Oregon University investigates these projectiles alongside an extinct species of horse.

<https://phys-org.cdn.ampproject.org/c/s/phys.org/news/2022-12-archaeologists-uncover-oldest-projectile-americas.amp>

Land Commissioner Adopts Cultural Properties Protection Rule (October)- NM State Land Office among the first in the nation to protect cultural resources on state trust lands. Rule to go live December 1, 2022.

<https://www.nmstatelands.org/2022/10/18/land-commissioner-adopts-cultural-properties-protection-rule/>

Biden commits to honoring tribes by protecting public lands in Nevada (November)- The president pledged Wednesday to put hundreds of thousands of acres off limits to development in southern Nevada around Spirit Mountain, a sacred tribal site. A broad coalition backs the move, but renewable energy firms have raised concerns.

<https://www.washingtonpost.com/climate-environment/2022/11/30/avi-kwa-ame-monument-nevada/>

Grand Canyon oasis renamed 'Havasupai Gardens' to honor its original residents (December)- The name was changed from "Indian Garden" last month at the request of the Havasupai Tribe. Havasupai lived and farmed in the area up until 1928, when the National Park Service forced them out.

<https://www.knau.org/knau-and-arizona-news/2022-12-13/grand-canyon-oasis-renamed-havasupai-gardens-to-honor-its-original-residents>

ELSEWHERE

Akkadian Priestess found to be world's first known author (November)- On an alabaster disk, the face of an author whose work and name were known from Ancient Summarian songs and hymns from over 4,000 years ago, finally comes to light. <https://www.archaeology.org/issues/488-2211/features/10886-akkadians-enheduanna-poet-politician>

Burial tomb of Ptah-em-wia, Royal Egyptian Treasurer, found at Saqqara (October)- A giant granite sarcophagus is covered in inscriptions dedicated to Ptah-em-wia, who headed the treasury of King Ramses II, Egypt's mightiest pharaoh, found at Saqqara.

<https://www.theguardian.com/science/2022/oct/02/egypt-saqqara-ptah-em-wia-archaeologists-discover-sarcophagus-cairo>

Archaeologists Dig Up 1,400-Year-Old Native American Canal in Alabama (October)- The nearly mile-long structure allowed inhabitants to paddle to rich fishing grounds and access trade routes.

<https://www.smithsonianmag.com/science-nature/archaeologists-dig-up-1400-year-old-native-american-canal-in-alabama-180980742/>

Ancient DNA analysis sheds light on the early peopling of South America (November)- Study provides most complete genetic evidence to date of complex migration routes in Ancient Central and South America. For the first time, genetic evidence of migration Northward along the Atlantic coast.

<https://www.sciencedaily.com/releases/2022/11/221102085438.htm>

DC-CAS BOARD MEETING MINUTES AND FINANCIAL STATEMENTS : Please note that the monthly Board Meeting Minutes and the quarterly Financial Statements are no longer published in the *All Points Bulletin*. These documents are available to all Chapter members upon request. Please contact us should you wish to receive them.

DC-CAS GENERAL MEETING MINUTES:

DC-CAS OCTOBER 10, 2022 GENERAL MEETING MINUTES

The October General Meeting was held on Monday, October 10, 2022 at 7:00 pm at the Emery Archaeology Lab, History Colorado Center, 1200 N. Broadway, Denver. Remote access for members was provided via the Zoom platform.

Craig Dengel opened the meeting welcoming all attendees. Stacy Greenwood announced the Indian Peaks Chapter invitation to Denver Chapter members to attend a tour of the Magic Mountain site in Golden on Sunday, October 23, 2022 from 9:30 am-11:30 am. The tour, led by Dr. Mark Mitchell and Chris Johnston, would be followed with lectures from 1:00 pm-3:00 pm at New Terrain Brewing Company, Golden. The tour and talk

were free, but registration was required. Stacy distributed a flyer with detailed information. She would send out the information to membership by email, and place it on the DC-CAS website. She also noted Indian Peaks was seeking volunteers to assist with the tour and talk. Those available to help out should contact Stacy or the Indian Peaks Chapter directly. Volunteers from the Denver Chapter were also being sought by the Swallow Site Oversight Committee to inventory and photograph artifacts held at University of Denver. Interested persons should contact Amy Gillaspie to sign up for the project. Next, Stacy announced she was seeking members to present on topics of archaeological interest for the December 12th Members Night. Anyone interested in

making a 15-minute presentation should contact her. International Archaeology Day 2022 will take place on Saturday, October 15th, 10 am to 3 pm, at Roxborough Intermediate School, 7370 Village Circle East, Littleton 80125. The event was free and would have a number of booths, demonstrations and kids crafts. There would also be lectures by Jack Warner (CAS), Rebecca Simon (History Colorado), and Greg Briggs (Southern Ute Tribe). There will be free tours of Lamb Springs Archaeological Preserve, Roxborough State Park and Ken-Caryl Historical Society's Bradford House. The Northern Colorado Chapter will be hosting the 87th Annual CAS Meeting on October 22nd and 23rd in Loveland. Please visit the State CAS website for additional information and to register for in-person or virtual attendance. Finally, Stacy announced a number of upcoming lectures and conferences hosted by other archaeological organizations.

Craig introduced the evening's speakers, Norm and Sue Ruggles. Norm is Team Leader of the Historical Artifact Recovery Team (HART), and Sue is on the Board of Directors for Eureka Treasure Hunters Club. The title of their presentation was, *Metal Detecting: Assisting the Archaeologist*. Norm was the main speaker while Sue ran the PowerPoint presentation. Norm noted he and Sue have ten years of experience as detectorists. They are members of the Eureka Treasure Hunters Club, established in 1973, and whose motto is, *Search with Care*. For many years, archaeology had viewed detectorists unfavorably as plunderers. Norm stated the field of metal detecting has worked hard over the years to rehabilitate its reputation, and to present itself as a valuable tool for archaeological investigation. The HART organization is part of this effort to work with archaeologists and others as a service to the community. It is staffed by volunteers, such as Norm and Sue, who provide their metal detecting services free of charge. They work closely with museums, universities, real estate developers, and historical societies to assist with historical research and preservation goals of their clients. They carefully follow the instructions as given by the client and develop parameters for all projects. All artifacts recovered during their search are turned over to the client. The HART volunteers also take steps to leave no damage behind from their work by restoring holes to as natural a state as possible. In addition to HART, there are other reputable organizations which provide similar services.

Norm then went on to describe the tools used in metal detecting. First, was the metal detector which produces a magnetic field to generally determine what lies below the surface. It produces both visual and audio indicators of what material might be in the ground. A quality metal detector, such as the American-made Garrett brand, will cost between \$600.00 to \$700.00. Another useful piece of equipment is a hand-held, battery-operated Pin Pointer, which is used to fine tune the location of an

object in the ground or removed soil, Pin Pointers cost approximately \$140.00. Headphones are another good investment to a metal detecting kit as they help the detectorist better discern the different sounds emitted from the metal detector. With experience, one learns what type of metal is being detected based upon the sound that is received. Headphones can also make the sounds emitted by a metal detector less intrusive to other people located nearby. Costs for a good pair of headphones can cost between \$50.00 and \$100.00. The last pieces of equipment a metal detectorist needs are a shovel and a handheld digging tool. Metal detecting equipment can locate all types of ferrous and non-ferrous metals such as aluminum, iron, copper, zinc, gold and silver up to at least one foot in depth. Although one-foot depth does not sound like much, Norm noted a substantial amount can be found at this depth. For example, U.S. Civil War material from the 1860s is found within the one-foot range. In Europe, artifacts from most time periods can also be found at just over the one-foot depth. Smaller items are relatively easy to find within the one-foot range. However, the larger an item is, the easier it is to locate that item at deeper depths. What the metal detector can't detect is objects made of bone, gems, stones or glass. However, detectorists often do encounter these materials as surface finds during the course of their search.

Attention turned toward discussing specific projects the Ruggles and the HART organization had participated in. Local Colorado projects included working at the original townsite of Julesburg and the nearby battlefield with Colorado State University-Ft. Collins PhD Graduate Student, Ray Sumner during the summers of 2019 and 2021. The original Julesburg townsite, established in 1859, was no longer visible on the surface. The Ruggles and HART were able to locate the former Stage Stop and Pony Express Station by detecting nails from a number of long-lost buildings. The Battle of Julesburg took place near the original townsite of Julesburg in 1861, shortly after the infamous Sand Creek Massacre. Metal detecting recovered numerous battlefield artifacts such as bullets, shell casings, an army uniform button, and an ox shoe which provided insight into the historic accounts of battlefield movements. For more information on this project, please see Sumner's June 14, 2021 presentation to Denver CAS on our YouTube Channel -

<https://www.youtube.com/watch?v= VmG-DsHvGg>. Another local project carried out by the Ruggles and HART was a survey of the Loretto Heights grounds located near Hampden Ave and Federal Boulevard, in southwestern Denver. Work was done on behalf of a real estate developer who had recently purchased the property for the construction of affordable housing. Loretto Heights had been the site of a Catholic girls school from 1891 to 2016, and the new owner wished to preserve the site's history and artifacts. The property consisted of seventy acres and the three-year project

recovered numerous items such as large building keys, small dormitory keys, coins, religious medals, rings and utensils. Notable items were a signet ring used for wax seals by a high-ranking church official (bishop or higher) and a crucifix with chain.

Smaller one-day detector survey projects were also conducted by the Ruggles and HART at Colorado State University's old Hughes Stadium in Fort Collins, a Colorado State Penitentiary in Cañon City, and the Park Hill Golf Course. The team was asked to investigate the defunct Hughes Stadium (1968-2017) prior redevelopment in 2018. They recovered several items including an old rodeo token. The investigation of a women's prison in Cañon City (1935 to the 1980s) found old coins, rings, bullets, small pieces of prison art, and a shiv or shank weapon. Finally, due to their valuable contribution to the Julesburg project, the Ruggles and HART had another opportunity to work again with Ray Sumner in Summer 2021, this time in France. Ray Sumner was team leader for a special investigation to excavate an American WWII B-17 Bomber in an effort to locate the remains of the pilot who went down with the plane. Sumner was part of Colorado State University's Center for Environmental Management of Military Land (CEMML) which worked closely with the Defense POW/MIA Accounting Agency. Denver Museum of Nature and Science Archaeologists Michele Koons, Erin Baxter, and Amy Gillaspie rounded out the excavation team. Metal detection was used to outline the boundaries of the crash debris. In addition to conducting a large grid-system survey, detectors were employed in excavation units to scan each level as work moved downwards. Items recovered by metal detection included metal objects which could be used to confirm

the plane's identity as well as plexiglass fragments found during the search. To learn more about this project, visit the following CSU website link (<https://graduateschool.colostate.edu/success-stories/21426/>). See Amy Gillaspie's 2021 Members Night presentation on the excavations in the December 2021 APB newsletter (https://www.cas-denver.org/_files/ugd/0afebf_1d1e65e1e20c409b8f5be9ab66d534e0.pdf).

The Ruggles concluded their presentation by encouraging archaeologists to enlist detectorists when searching for metal items. In addition to the Ruggles and the HART organization, there are a number of trusted detectorists who conduct ethically-sound work. The Ruggles then took several questions from the audience. A recording of this presentation is available at the Denver CAS YouTube Channel - <https://www.youtube.com/watch?v=riap1eNAlnM>.

For those interested in learning more about metal detecting, the Ruggles provided the following information sources to our membership:

- The Eureka Treasure Hunters Club (<https://www.eurekathc.org/>) *Please note any contact with Eureka about archaeological projects should be made through the Historical Artifact Recovery Team (HART) via Stacy Greenwood, DC-CAS Secretary..
- Federation of Metal Detector & Archaeological Club (<http://www.fmdac.org/>)
- American Digger Magazine (<https://americandigger.com/>)

At the conclusion of questions, Craig Dengel presented the following slate of candidates for the 2023 Board to membership:

President: Craig Dengel (Incumbent)

Membership Secretary: Melissa Dolan

Vice-President: Amy Gillaspie

CAS Representative/PAAC Coordinator: Gene Wheaton

Secretary: Stacy Greenwood (Incumbent)

Directors (2023-2025): Teresa Weedon (Incumbent) and Deb Bollig

Treasurer: Michele Giometti (Incumbent)

The Election will be held during the Monday, November 14th General Meeting. Additional nominations can be made from the floor prior to the vote. The new 2023 Board will be introduced to membership during the Monday, December 12th Members Night.

The meeting adjourned at 8:24 pm. Submitted by Stacy Greenwood, Secretary for DC-CAS.

DC-CAS NOVEMBER 14, 2022 GENERAL MEETING MINUTES

The November General Meeting was held on Monday, November 14, 2022 at 7:00 pm at the Emery

Archaeology Lab, History Colorado Center, 1200 N.

Broadway, Denver. Remote access for members was provided via the Zoom platform.

Craig Dengel opened the meeting and welcomed the attendees. He announced the Election for the 2023 Board would take place during the meeting. Therefore, in-person and online members were requested to stay after the presentation so the vote may be held. Craig also asked if there were any new members present, and he welcomed three new members to the organization. Stacy Greenwood announced the upcoming annual Members Night will be held on Monday, December 12th at 6:30 pm. The meeting will be a potluck, so members attending in-person were asked to bring a dish to share. Michael Kolb and Amy Gillaspie will be the evening's speakers. Kolb will be presenting on recent excavations at a historic 9th Street site on Auraria Campus. Gillaspie will be presenting on her work at the historic Astor House in Golden. In addition to the speakers, Josef Garrett and Stacy Greenwood would be presenting a video commemorating the 75th Anniversary of the Denver Chapter receiving its charter from State CAS. A location for the event was currently being negotiated. It will take place either at History Colorado or at Metro State University of Denver. Further information was to be forthcoming. There were also plans to provide a virtual access option.

Craig introduced the evening's speaker, Craig Banister, an avocational archaeologist and associate of Coal Creek Research Inc. The title of his presentation was, *Arrowheads Everywhere: the Colorado Projectile Point Project Database*. Banister began his presentation with some historic background of the project. Coal Creek Inc. was formed as a non-profit organization in 2018 by Neil and Teri Hauser as part of their development of the Colorado Projectile Point Database. As a young boy, Neil Hauser grew up hiking with his father in the Montrose area where he encountered projectile points, which led to the discovery of the Hauser Rock Shelter Site on the Uncompahgre Plateau. Many of his parent's friends had private projectile point collections. When these collectors died, their lithic collections often were divided up amongst their heirs or were sold off. As a result of the lost information, Hauser felt the need to create the project to record information from projectile points held in both private and public collections in the State of Colorado. Banister noted more projectile points exist in private collections than from excavated sites. Therefore, the priority is to learn as much as possible from private collections while they are intact and the information about them is still available before the owners pass away. As such, collections in public institutions have a secondary priority. Currently, Hauser focuses upon accessing Western Colorado collections, while Banister focuses upon accessing collections in Eastern Colorado. To date, the Colorado Projectile Point Database Project, with help from volunteers, has photographed and recorded data for 7,126 projectile points. The

photographs and data have been made available via their website to the public free of charge for education purposes, and to enable researchers to extract and analyze information to answer research questions. (See below for the website link.)

Banister next described the process for recording the projectile points. Each projectile point record includes:

- High-Resolution Scanned Color Images: A projectile point is placed upon a flat-bed scanner with a scale and an identifying label. Color scans are completed for both front and back sides. Sometimes only one side is scanned if the projectile point is mounted and cannot be disturbed. Depending upon the color of the projectile point, they may be scanned with a black background or a white background. Four scans are normally taken with the two best images uploaded to the database. Online images may be enhanced to create greater visual definition. However, all original images prior to enhancement are retained by Hauser and Banister. Banister noted that ten to twelve projectile points can be scanned at a time. Within four to five hours, forty to fifty projectile points can be scanned. Scanned images of the projectile points are viewable on the website as thumbnail images. Full-size projectile point images and their associated data are available to download as csv files.

- Reference Number: For public collections, the institution's reference number, based upon the Smithsonian Institution Trinomial System, is recorded (https://en.wikipedia.org/wiki/Smithsonian_trinomial). For private collections, a non-identifying reference number is assigned to the collection by the project to ensure anonymity for the collection owner. This encourages private owners to share their collections with the project.

- Location: The location where any particular projectile point occurs is recorded on a grid system using the USGS 1:24,000-scale (7.5') topographic map for Colorado. The 1,760-grid system enables great flexibility. Information can be extracted in any number of ways such as site class, material type, projectile point shape, Smithsonian Number, etc. One can also search within a single grid (1 through 1760), within a larger range of grids such as 3x3, 7x7 or 9x9 (up to eighty-one grids at a time), or by longitude and latitude.

The Repository location for projectile points recovered from excavated sites is also recorded so researchers may easily find them should it be needed. This is a useful feature as site reports often fail to mention which repository a site's artifacts are housed.

- Material Type and Color: The material type and color are recorded for each projectile point. This enables researchers to identify the occurrence of both common

and unique materials and colors within any geographical area.

- Shape Type: Each projectile point is classified by its shape type. The shapes include side-notched, lanceolate, bifurcated, triangular, stemmed, expanding-stem, contracting-stem, basal-notched, corner-notched, articulate, ovate, and unknown. At the moment there are seventy to eighty items of unknown shape. Often these unknown lithics contain a single shoulder or a single notch. An unofficial, informal projectile point identification guide is available on the website for shapes found within the Colorado Projectile Point Database.

- Completeness: The completeness classification is based upon the preservation of a projectile point's base, which is a diagnostic attribute. Completeness is noted as complete, nearly complete, complete base only, one side of base complete, or non-diagnostic but recorded. An unofficial, informal completeness guide is available on the website based upon what is found within the Colorado Projectile Point Database.

- Maximum weight and thickness: The maximum weight and thickness of a projectile point is recorded in metric measurements. Length and width of the projectile points are not recorded as they are scanned with a scale. Software is available which can extract length and width measurements from images.

- UV Light Florescence: Short Wave and Long Wave UV Light Fluorescence is conducted for most projectile points. Banister stated 80%-90% of lithics fluoresce under short wave UV light. Only 10% of lithics fluoresce under long wave UV light. Calcium Carbonate (Calcite) will fluoresce red under short wave UV light, while Uranium will fluoresce green. He also noted eastern Colorado has lots of uranium. For general information on the effect of UV Light Fluorescence on minerals and lithics see - <https://geology.com/articles/fluorescent-minerals/> and <https://rpanet.org/resources/Documents/Witt%202021%20Narbona%20Pass%20Chert%20Poster.pdf> .

Banister stated the database provides raw data for others to analyze and to make statements about questions of interest. The data can be further examined using search statistics available at the bottom of the returns page. For example, data on the frequency and distribution of material and projectile points can possibly answer questions related to the origin of a material, movement of people, or defining the territory of a group.

A recording of Banister's presentation is available on the DC-CAS YouTube Channel - <https://www.youtube.com/watch?v=y0WkKjcaFbw>

Banister provided a sample search of the database by comparing the frequency and distribution of projectile point shapes and materials between the areas of Ken-Caryl Ranch, the Uncompahgre Plateau and Cortez. He then used statistics of the raw data to produce a dendrogram to demonstrate similarities and dissimilarities between the three geographic areas. Additional resources available on the website include USGS Colorado topographic map names and longitude/latitude locator maps, as well as shape and completeness guides for projectile points in the Colorado Projectile Point Database. Coal Creek Research also provides a projectile point distribution map for Colorado as well as reverse indices for grid numbers and topographic names. Additionally, there are links to radiocarbon and tree-ring databases for the Southwestern U.S. produced by the Dominguez Archaeological Research Group.

Banister concluded his presentation by urging those present to encourage private collectors to share their collections with the Colorado Projectile Point Project. A number of areas in Colorado were in need of information, particularly eastern Colorado. Private collections must only contain projectile points found in Colorado. While some question whether the project encourages people to collect, Banister noted archaeologists have long worked with private collectors to identify sites and to learn about the local archaeological landscape intimately known by collectors. While private collecting runs counter to the ethics of archaeology, cooperation can be an opportunity to educate collectors about the value of context and location. Professional organizations such as the Society for American Archaeology are now acknowledging the value of working with private collectors and museum collections. In closing, Banister also welcomed attendees to explore the database with their own questions in mind and to publish their findings in Southwestern Lore. Craig Dengel thanked him for an interesting presentation, and Banister took several questions from the audience. To explore the Colorado Projectile Point Database Project, please visit their website at <https://p3.coalcreekresearch.org/>.

If you are interested in sharing your private collection with the Colorado Projectile Point Database or know of someone who may, please contact Neil Hauser (nhauser.ccr@gmail.com) or Teri Hauser (teribhCCR@gmail.com). You can also learn more about the project and how to participate by referring to the following information - <https://coalcreekresearch.org/databases>.

Prior to adjournment of the meeting, Craig Dengel called the group to order to begin the election of candidates to the 2023 Board. The candidates for each position were introduced to membership. A call for additional nominations from the floor was made with none received. Membership voted to accept the following nominees for the 2023 Board: (continued on page 15)

President: Craig Dengel

Membership Secretary: Melissa Dolin

Vice-President: Amy Gillaspie

CAS Representative/PAAC Coordinator: Gene Wheaton

Secretary: Stacy Greenwood

Director (2023-2025): Teresa Weedin and Deb Bollig

Treasurer: Michele Giometti

The meeting adjourned at 8:22 pm. Submitted by Stacy Greenwood, Secretary for DC-CAS.

DENVER CHAPTER OFFICERS:

President: Craig Dengel
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Suggestions for book reviews should be sent to the editor. Books for review should be sent to: Denver Chapter CAS, P.O. Box 100190, Denver, CO 80250-0190

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