



EDUCATION

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PRESERVATION

Contents

- **President's Message**
- **What We're Reading**
- **Support IPCAS**
- **Upcoming Meetings:**
November's Lecture & Holiday Party
- **Feature Article:**
Why archaeology is so much more than digging
- **Upcoming Events**
- **IPCAS Board & Supporting Members**

Membership

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[coloradoarchaeology.
member365.com/](http://coloradoarchaeology.member365.com/)

PRESIDENT'S MESSAGE

By **Katy Waechter**
Chapter President

Greetings IPCASers!

Welcome to the holiday season! It feels like winter has come and gone a few times already. I want to extend gratitude to Dr. Scott Ortman for his engaging presentation last month on ancestral Tewa sites in the Pojoaque Valley. We have two more programs in our fall series. Find all the details on our website at indianpeaksarchaeology.org.

November - On November 14th, doctoral candidate in archaeology at the University of Colorado will present, "Pueblo Agricultural Adaptations to Socioeconomic Changes in New Mexico." Kaitlyn is a 2019 Alice Hamilton Scholarship recipient.

December - We will wrap up 2019 with a holiday party on December 4th at Liquid Mechanics Brewing Company. We will revive the White Elephant

gift exchange IPCAS tradition, play some trivia and enjoy live music. Dig out your holiday sweaters!

Prior to Kaitlyn's presentation next week, IPCAS will hold its annual officer election. If you are interested in an elected position and serving on the IPCAS Board, please let me know what your interests are at indianpeaksarchaeology@gmail.com before Wednesday.

Don't forget to check out the IPCAS Events page for a current list of interesting events around our area (indianpeaksarchaeology.org/events). The Calumet distribution schedule is changing to bimonthly. It will contain content for both months covered, including lecture reminders, events and other features. The next edition will cover January and February 2020 and will be delivered to you per the usual protocol.

Happy holidays!

WHAT WE'RE READING

What We're Reading is a curated collection of news stories that are of interest to Colorado archaeology and archaeological practices all around. These stories are all shared on IPCAS social media.

- We came across some great reads from the last year on [this list put out by Bookish for Native American Heritage Month](#). All of the books on the list come from native authors. Solid recommendation for Tommy Orange to start.
- If you're a fan of Andean archaeology, you need to read [this coverage of an undergraduate student-professor team](#) that started decoding khipus with potential to develop keys to understand others, ultimately enabling contemporary people to read Inca history in their own words (knots).
- A team of international researchers [has been trying to recreate the oldest known recipes](#). The recipes are recorded in cuneiform tablets in Yale University's Babylonian Collection. Definitely worth a read.
- Caught in a case of 'not my jurisdiction', UNESCO World Heritage Site Chichen Itza [may lose its UNESCO designation over the set up location of street vendors](#) in the site.
- In a recent article from Geology, researchers looked at lake sediment cores and found that [imported galena was used to make glitter at Kincaid Mounds](#) in the Mississippian period, causing lead pollution. It's not every day that archaeological headlines include 'glitter.'
- A study on the spread of the bacterium *Yersinia pestis*, cause of bubonic plague, at different periods in history found that lifestyle and resistance to the disease help explain why the plague wasn't as devastating in the 3,000-year period it was [known to be infecting humans before the Black Death](#). Avoid creating human-dependent rodent!
- The story on rerouting Highway 550 through Florida Mesa outside of Durango has some updates, [even though the circumstances haven't changed](#). Construction is slated to continue this coming spring as data recovery wraps up.

SUPPORT IPCAS!

IPCAS has big plans for outreach and fieldwork. Help us support activities by:

- When you shop on Amazon.com, use [Smile](#). [Amazon.com](#) and select Colorado Archaeological Society to receive a portion of all eligible purchases. Using Smile does not change anything about your purchase.

- Don't forget to pick up some IPCAS gear! IPCAS get a portion of all sales from our Zazzle store. Visit: [zazzle.com/indianpeaksas](https://www.zazzle.com/indianpeaksas)
- You can donate online to IPCAS to help us fund outreach, trips, lectures, and other events. Give at: indianpeaksarchaeology.org/donations

UPCOMING MEETINGS

Fall 2019 Lecture Series



Thursday, November 14 at 7:00 pm



Kaitlyn Davis

Doctoral Candidate in Archaeology
University of Colorado
Alice Hamilton Scholarship Recipient

Pueblo Agricultural Adaptations to Socioeconomic Changes in New Mexico

Lectures are held at the OSMP Hub:
2520 55th Street
Boulder, CO 80301

All lectures are free and open to the public.



Wednesday, December 4 at 5:30 pm

Holiday Party @

Liquid Mechanics Brewing Company
297 Hwy. 287 in Lafayette

Featuring potluck, trivia, White Elephant Gift Exchange, and live music!

Visit indianpeaksarchaeology.org/upcoming-lectures for more info!

FEATURE ARTICLE

Why archaeology is so much more than just digging

By **Richard Tuffin and Martin Gibbs**

It's our experience that most people think archaeology mainly means digging in the dirt.

Admit to strangers that you are of the archaeological persuasion, and the follow-up question is invariably "what's the best thing you've found?"

Start to tell them about a fantastic ink and watercolour plan you unearthed in library archives, or an old work site you stumbled upon in thick eucalypt bush, and their eyes glaze over.

People invariably want to hear about skeletons, pots and bits of shiny metal. It's this type of stuff that you will often see in the media, giving the misleading impression that archaeological process is only about excavation.

While the trowel and spade are an important inclusion in the archaeological toolkit, our core disciplinary definition – that of using humanity's material remains to understand our history – means that we utilise many ways of engaging with this past.

A hole in the ground

Of course, there's nothing like a tidy hole in the ground to get people's attention. Yet what often gets lost in the spotlight's glow is that excavation is the last resort; it's the end result of exhaustive research, planning and design.

In the research environment, excavations are triggered by having no, or only a low level of, other streams of evidence.

This similarly applies in mitigating the impacts of development, where the threat of an historical site's partial or complete removal adds an element of evidence recovery.

Should the excavation be ill-thought out, or divorced from proper research goals, the results – and therefore the net benefit of the whole exercise – are lessened, if

not completely lost.

This is particularly so for historical archaeologists, where the availability of documentary archives, oral testimony and the remaining landscape itself can reveal so much – before trowels meet dirt.

Lots of work before digging

For the historical archaeologist, a huge amount of work must take place before an excavation can even be planned, with invasive investigations sometimes not even considered.

In our particular field, the historical archaeology of Australia's convict system (1788-1868), there is a vast amount of documentary evidence that requires interrogation before any archaeological process can begin.

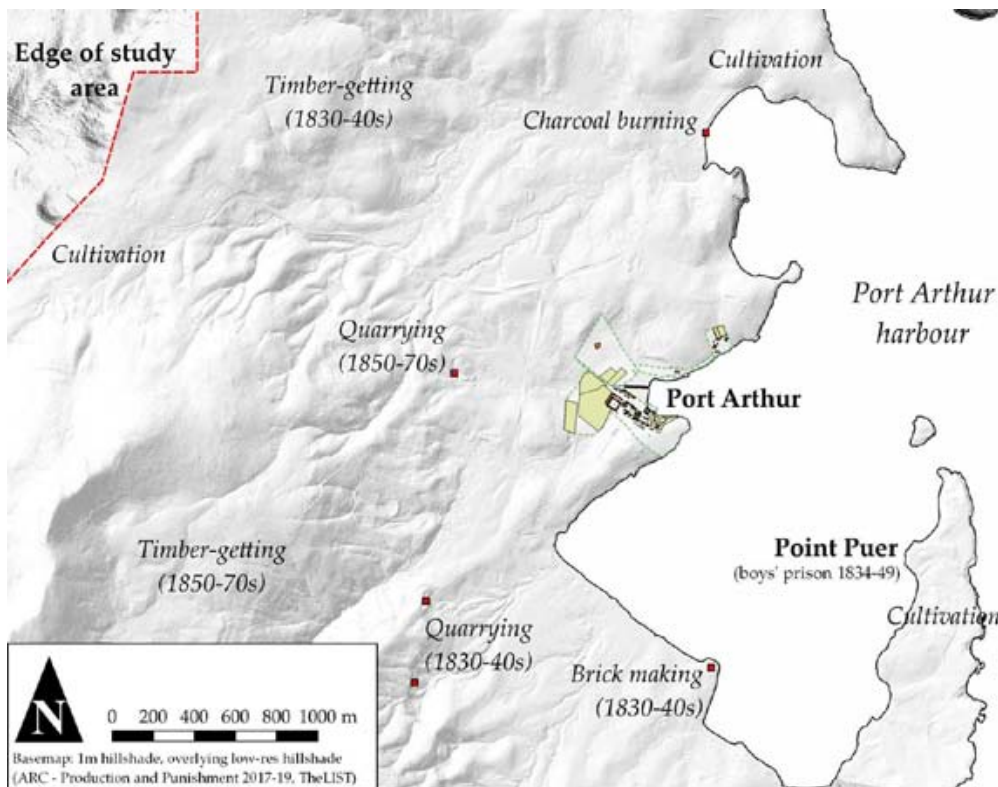
As an example, in the Tasmanian Archives and Heritage Office, 35 metres of shelf space is taken up just by the official correspondence records for the period 1824-36.

Correspondence, reports, tables, diaries, newspapers, maps, plans, illustrations and photographs contain a wealth of information about the convict past. These can be used to query how people interacted with each other and the places, spaces and things that were created and modified as a result.

The experience of convict labour

We are currently over a year into a research project (called Landscapes of Production and Punishment) that uses evidence of the built and natural landscape to understand the experience of convict labour on the Tasman Peninsula, Tasmania (1830-77).

At its peak, nearly 4,000 convicts and free people lived on the penal peninsula. Their day-to-day activities left traces in today's landscape that we locate and analyse using historical research, remote sensing and archaeological field survey.



LiDAR image of the immediate area around the Port Arthur penal station, showing the range of activities carried out in the landscape Landscapes of Production and Punishment, 2017-19, Author provided

LiDAR (Light Detection and Ranging, a form of 3D mapping) has been used to great effect, mapping large areas in high detail, which have then been surveyed to find the sites of convict labour. These include quarries, sawpits, charcoal-burning stands, brick pits, tramways, roads and paths, cultivated fields and boundaries.

No soil was disturbed

Without turning a sod, we have recreated historic landscapes that have long lain dormant.

These have then been brought to life through the records of the system, which were historically used to account for the convicts and their labour. These include records about the lives of convicts whilst under sentence, as well as statistics on the products and processes of their labour.

This raw data shows us the outputs of industrial operations carried out by the convicts, like brick making, sandstone quarrying, lime burning and timber-getting, as well as the manufactories that produced leather, timber and metalwork goods by the thousand.

The records also locate convict and free settlers back into time and space, reconnecting them to the places and products of their labour.

As the project develops, excavation may be one of the archaeological methods used to retrieve our evidence – but only once we have exhausted all other avenues of enquiry.

Controlled destruction

As archaeologists, we have a responsibility to ensure that the controlled process of destruction that is an archaeological investigation has the greatest possible research return.

Without this due process, our work becomes unhinged from research frameworks. The excavations devolve into expensive and directionless treasure hunts from which little research value can be extracted.

The archaeologist's profession – be it as an academic or working in the commercial and government sector – is more than excavation. It encompasses a diverse range of skills and techniques which can be deployed to aid in our central task of understanding the lives of those who came before.

Richard Tuffin is a Research Fellow at the University of New England. Martin Gibbs is a Professor of Australian Archaeology at the University of New England.

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UPCOMING EVENTS

As always, if you know of any events, lectures, exhibits, or fieldtrips that should be on our calendar, please email them to indianpeaksarchaeology@gmail.com.

NOVEMBER 11

Denver Chapter CAS Meeting

Monthly chapter meeting

Cherry Creek Building, Room 241, Metropolitan State University

7 - 8 p.m.

NOVEMBER 13

NCC CAS Meeting

Monthly chapter meeting

Clark Building, Room A26, Colorado State University

6:30 - 8 p.m.

Indigenous Film Screening

Screening of the Book of the Sea, which presents the story of contemporary Inuit and Chukchi hunters.

Denver Museum of Nature and Science, 2001 Colorado Blvd, Denver

6:30 - 8:30 p.m.

NOVEMBER 14

IPCAS Meeting

Lecture by Kaitlyn Davis on Agricultural Adaptations in Light of Socioeconomic Changes in New Mexico

OSMP Hub, 2520 55th Street, Boulder

6:45 - 8 p.m.

2030 Statewide Preservation Planning Public Meeting

Meeting on statewide preservation plan to guide next 10 years of preservation in Colorado. Open to the public and free.

Breckenridge Town Hall, 150 Ski Hill Rd,

Breckenridge

6 - 8 p.m.

NOVEMBER 18

Spirit of Colorado Lecture

Colorado's Ski Patrol: The Army's 10th Mountain Division, developed during World War II for combat missions in the mountains of northern Italy, evolved into ski patrols as we know them today. Far-reaching and nuanced, the job of a ski patroller combines long days, physically demanding work in high alpine environments, and the ability to respond to complex medical emergencies. In Colorado, ski patrol has grown from a volunteer operation to a professional workforce—incorporating advancements in lifesaving techniques, avalanche forecasting and specialized guest services. Duck behind the lines and experience the lives and legends of ski patrollers who serve mountains across Colorado with Patrollers Eric Miller and John Cameron.

History Colorado, 1200 N Broadway, Denver

7 - 8 p.m.

NOVEMBER 19

Pikes Peak Chapter CAS Meeting

Lecture by Dick Sundstrom on The Rock Art and Monuments of a Nation Named for its Premier Archaeological Site, Zimbabwe.

Fire Station #19, 2490 Research Parkway, Colorado Springs

7 - 8 p.m.

Members-Only Behind the Scenes Tour of Women's Suffrage Exhibit

Take a closer look at some of the highlights of History Colorado's collections exploring women's suffrage as we anticipate the 100th anniversary of the ratification of the 19th Amendment in 1920.

History Colorado, 1200 N Broadway, Denver

1 - 1:45 p.m.

NOVEMBER 21

The Art of Home Film Screening

Free screening of film by Ken Williams (Arapaho) and Sarah Ortegon (Shoshone). Art of Home asks: Why is art important? Does art influence a culture, or does a culture influence art? From modern art to beading and leather work to fancy dancing, drumming, and music, follow Wind River Indian Reservation artists through their creative process as they draw upon experience in creation.

Museum of Boulder, 2205 Broadway, Boulder

6:30 - 8 p.m.

NOVEMBER 25

Colorful Colorado Lecture

What's Brewing in my Kitchen? Special 3-part lecture with Charlie Papazian, co-founder of the Great American Beer Festival and American Homebrewing Association.

History Colorado, 1200 N Broadway, Denver

6 - 8 p.m.

NOVEMBER 29

Trail Challenge: Homestead/Towhee

Guided hike by OSMP through late 19th century homestead areas. Sign up at <https://countmein.bouldercolorado.gov/ActivityRegistration/67960db9-e7db-4682-b7c5-2381221dd724>

South Mesa Trailhead, Eldorado Springs

10 a.m. - 12:30 p.m.

DECEMBER 4

IPCAS Meeting

Holiday Party

Liquid Mechanics Brewing Co, 297 Hwy. 287,
#100, Lafayette

5:30 - 7:30 p.m.

AIA Boulder Lecture

Lecture by Kaitlyn Davis on Agricultural Adaptations in Light of Socioeconomic Changes in New Mexico

Museum of Natural History, Paleontology Hall, University of Colorado

7 - 8 p.m.

DECEMBER 7

Agricultural Heritage Center

Boulder County Agricultural Heritage Center is open.

8348 Ute Hwy, Longmont

10 a.m. - 5 p.m.

Trail Challenge: Tenderfoot/Chapman Drive

Guided hike by OSMP on historical trails in Boulder Mountain Parks. Sign up at <https://countmein.bouldercolorado.gov/ActivityRegistration/67960db9-e7db-4682-b7c5-2381221dd724>

Realization Point, Boulder Mountain Parks

10 a.m. - 2 p.m.

DECEMBER 8

Pikes Peak Chapter CAS Meeting

Holiday Party

Fire Station #19, 2490 Research Parkway, Colorado Springs

7 - 8 p.m.

DECEMBER 9

Denver Chapter CAS Meeting

Monthly chapter meeting

Cherry Creek Building, Room 241, Metropolitan State University

7 - 8 p.m.

Colorful Colorado Lecture

The Women Who've Been Here: Special 3-part lecture on the history of homebrewing and celebrating women's roles in the crafting of ancient ales.

History Colorado, 1200 N Broadway, Denver

6 - 8 p.m.

DECEMBER 11

NCC CAS Meeting

Monthly chapter meeting

Clark Building, Room A26, Colorado State University

6:30 - 8 p.m.

Indigenous Film Screening

Screening of five short films (The Fighting Cholitas, 4 Wheel War Pony, VANS Pass the Bucket Jeff Ament, Skate Or Die REDBulletin, Skateboarding in Pine Ridge) and facilitated discussion with Walt Pourier.

Denver Museum of Nature and Science, 2001 Colorado Blvd, Denver

6:30 - 8:30 p.m.

DECEMBER 13

Flatirons Mineral Club Rock and Rails Show

More information at <https://www.bouldercounty.org/events/flatirons-mineral-club-rock-and-rails-show/>

Boulder County Fairgrounds

10 a.m. - 5 p.m.

DECEMBER 14

19th Century Holiday Celebration

Visit Fort Vasquez for this special evening of fun. Father Christmas will be passing out candy and taking wishes for the holidays. Get an old-time picture with him. Make Victorian crafts, sample fur trade-era foods, and enjoy this one-night-only special sale in our gift shop!

Fort Vasquez, 13412 US Highway 85, Platteville

3 - 7 p.m.

BOARD & SUPPORTING MEMBERS

BOARD MEMBERS

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About The Calumet

The Calumet is the newsletter of the Indian Peaks Chapter of the Colorado Archaeological Society, and is produced and edited by Daniel J. Schneider in coordination with the board.

Members are encouraged to send ideas and material for The Calumet. All content is subject to review and approval by the IPCAS Board, and may be edited for length, style and clarity.

The submission deadline is the 3rd Monday of the month for the next month's issue. Submissions should be emailed to:

indianpeaksarchaeology@gmail.com

or

dan@schneidan.com

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