

Journal #5674 from sdc 3.8.24

Nature's barcode

AI Is Taking Water From the Desert

Native Pride: Native Encampment

Listen and learn about the value of Native American languages in modern times

Redbone

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Nature's barcode... Photo by Ash O'Malley

AI Is Taking Water From the Desert

springing up every week. Can the Earth sustain them? By Karen Hao

New data centers are

<https://www.theatlantic.com/technology/archive/2024/03/ai-water-climate-microsoft/677602/>

[The Lifeblood of the AI Boom](#)

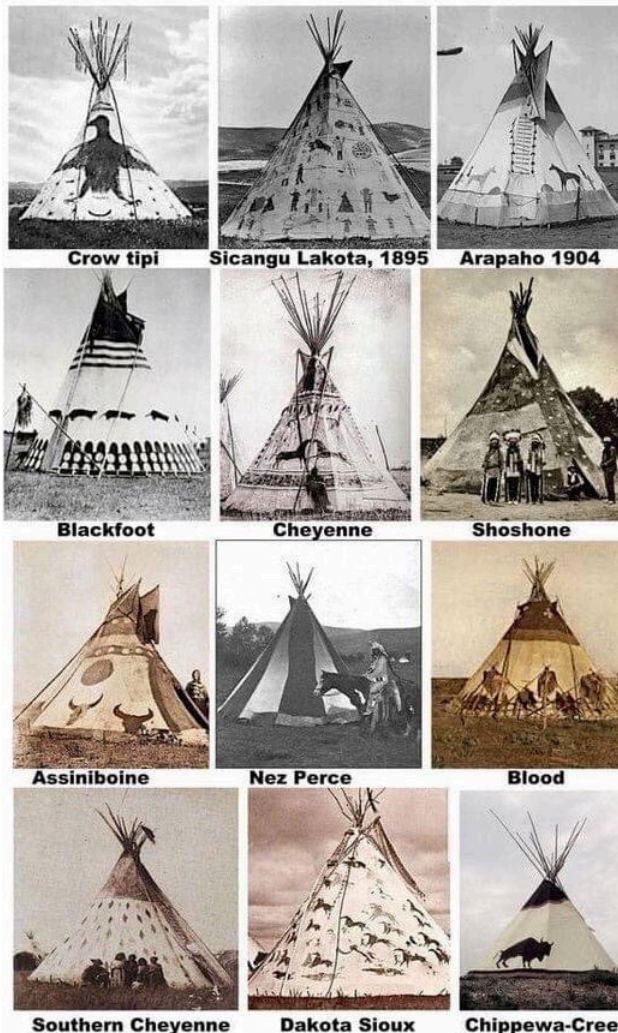
[Matteo Wong](#)

[Generative AI Is Challenging a 234-Year-Old Law](#)

[Alex Reisner](#)

Native Pride: Native Encampment

In the mid-1600's the Ojibwa east of Lake Superior began to move westward, and by the late 1770's, Ojibwa settlements circled Lake Superior. One of these settlements was located on the Kaministikwia River. Eye-witness accounts of Fort William in the early 1800's usually mention a Native encampment east of the palisade. A painting dated 1805 shows clusters of dome-shaped wigwams huddled at the south-east corner of the Fort; illustrations from the Hudson's Bay



Company period (after 1821) depict conical tepees and wigwams.

These habitations reflect the culture of a people continually adapting to their environment as they had for thousands of years. Ojibwa family groups moved through these woodlands around Lake Superior in a seasonal round that included fishing, hunting, and gathering, and trade gatherings with other Native groups. With the coming of the Europeans, many Ojibwa incorporated the demands of the fur trade: trapping fur-bearing animals, and more prolonged contact with trading posts to supply pelts and other services.

The Ojibwa inhabiting the western Lake Superior region were also known as the Saulteaux, or Chippewa, while to the north were the Cree. Probably both tribes were represented at Fort William during the Rendezvous when Natives from surrounding areas came to trade their furs and exchange their labour and produce for commodities available at the Indian Shop. While most Natives departed for their hunting grounds as summer ended, some stayed behind to participate in winter activities of the fort.

During the NWC period, there were probably about 150 Ojibwa living in the Kaministikwia district. A number of Ojibwa names appear quite regularly in the Fort William transaction records, probably the members of the Ojibwa community adjacent to the fort. It is probable that they based their operations at Fort William, but continued to undertake seasonal journeys and encampments for the purpose of harvesting maple sugar, wild rice, snaring rabbits, fishing, and hunting game. One of these expeditions might last weeks or even months, so the Ojibwa population at Fort William was constantly in flux.

In addition to their own activities, the Ojibwa at Fort William supported the operation of the post. Women worked in the kitchen and canoe sheds, as well as the farm, and received payment in the form of trade goods. Men might be engaged in hunting or fishing for the NWC, and any other service in labour or expertise that the company might require.

As producers, the Ojibwa were integral to the needs of the NWC at Fort William. The transaction records show the quantity of provisions and materials supplied to the post and its personnel: bark, wattap and spruce for canoe-building, snowshoes, moccasins, skins, maple sugar, berries, wild rice, and fresh game.

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### [LiveScience](#)

[Shoebills reach up to 5 feet in height and they are formidable ambush predators, standing still in swamps before lunging forward to swallow their prey whole with their giant bills.](#)



Roseate Spoonbill at Vero Beach, Florida      Photo: Prashant Gharpure



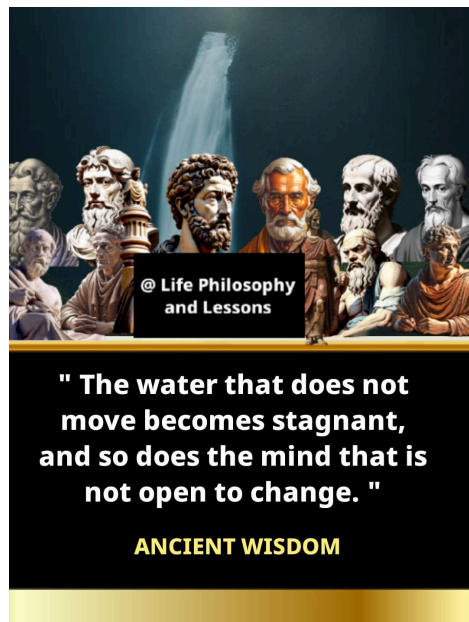
[Native Pride](#) [Globe Rhode Island](#): Take a listen and learn about the value of Native American languages in modern times on the Rhode Island Report podcast.



[bostonglobe.com](http://bostonglobe.com)

[‘Indigenous intelligence ... goes back thousands of years’: Listening to ancient Native voices in modern times - The Boston Globe](#)

[On the Rhode Island Report podcast, producer Gary Glassman and director Daniel Golding talk about “Language is Life,” an Rhode Island PBS episode about the value of Native American languages.](#)



## [Native American Blood](#)

Redbone was a Native American rock band. They reached the Top 5 on the U.S. Billboard Hot 100 chart in 1974 with their single, "Come and Get Your Love". The single went certified Gold selling over a million copies. It also made Redbone the first Native American band to reach the top five on the Billboard Hot 100, with the song reaching number 5.[1] Redbone achieved hits with their singles "We Were All Wounded at Wounded Knee", "The Witch Queen of New Orleans", "Wovoka", and "Maggie" in the United States, although these singles were more successful overseas.



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### Scholarships with April 3 to 7 Deadlines

|                                                                     |          |                |
|---------------------------------------------------------------------|----------|----------------|
| <a href="#">AFSA National High School Essay Contest</a>             | \$2,500  | April 03, 2024 |
| <a href="#">Antioch Garden Club Community Scholarship</a>           | \$1,000  | April 03, 2024 |
| <a href="#">APCF Royal Business Bank Scholarship</a>                | \$2,000  | April 03, 2024 |
| <a href="#">CRA All-Access Scholarship</a>                          | \$5,000  | April 03, 2024 |
| <a href="#">Ebell/Flint Scholarship</a>                             | \$20,000 | April 03, 2024 |
| <a href="#">Girl Up Sports Fellowship</a>                           | \$2,500  | April 03, 2024 |
| <a href="#">Iowa Scholarships for the Arts</a>                      | \$2,500  | April 03, 2024 |
| <a href="#">Joseph S. Murphy Scholarship for Diversity in Labor</a> | \$30,000 | April 03, 2024 |
| <a href="#">Kenny C. Guinn Scholarship</a>                          | \$5,000  | April 03, 2024 |
| <a href="#">Kinnett Scholarships for College/Further Education</a>  | \$1,000  | April 03, 2024 |
| <a href="#">NARS Ivan A. Olson Scholarship</a>                      | \$1,000  | April 03, 2024 |
| <a href="#">NIH Undergraduate Scholarship Program</a>               | \$80,000 | April 03, 2024 |
| <a href="#">Rotary Scholarship for Camarillo, CA</a>                | Varies   | April 03, 2024 |
| <a href="#">RWA Internship Housing Stipend</a>                      | \$4,000  | April 03, 2024 |
| <a href="#">S.W.A.G. Scholarship</a>                                | \$25,000 | April 03, 2024 |
| <a href="#">San Patricio Electric Cooperative, Inc. Scholarship</a> | \$5,000  | April 03, 2024 |
| <a href="#">VMDAEC Educational Foundation Scholarship</a>           | \$1,000  | April 03, 2024 |
|                                                                     |          |                |
| <a href="#">AIEF Undergraduate Scholarship</a>                      | \$2,000  | April 04, 2024 |
| <a href="#">American Indian Education Fund</a>                      | \$2,000  | April 04, 2024 |
| <a href="#">Millie Brothers CODA International Scholarship</a>      | \$3,000  | April 04, 2024 |
| <a href="#">The AIEF Graduate Scholarship Program</a>               | \$2,000  | April 04, 2024 |
|                                                                     |          |                |
| <a href="#">Adena Health Foundation Scholarships</a>                | \$5,000  | April 05, 2024 |
| <a href="#">Anne Ford Scholarship</a>                               | \$10,000 | April 05, 2024 |
| <a href="#">BBB Thomas J. Klinedinst, JR Scholarship</a>            | \$2,500  | April 05, 2024 |
| <a href="#">Carl Tapp Technician Scholarship</a>                    | \$7,500  | April 05, 2024 |
| <a href="#">John R. Pandolfi Scholarships</a>                       | \$5,000  | April 05, 2024 |
| <a href="#">KCAF Scholarships</a>                                   | \$8,000  | April 05, 2024 |
| <a href="#">Lucile E. Wright Scholarship</a>                        | \$1,500  | April 05, 2024 |
| <a href="#">NWPCU Scholarship</a>                                   | \$1,000  | April 05, 2024 |
| <a href="#">NYIPLEF Diversity Scholarships</a>                      | \$10,000 | April 05, 2024 |

|                                                                                        |          |                |
|----------------------------------------------------------------------------------------|----------|----------------|
| <a href="#"><u>Scholarships for Lutheran Laywomen</u></a>                              | \$2,000  | April 05, 2024 |
| <a href="#"><u>Steamboat Ski &amp; Resort Corporation DEI Scholarship</u></a>          | \$10,000 | April 05, 2024 |
| <a href="#"><u>The Alexander Foundation Scholarships</u></a>                           | \$3,000  | April 05, 2024 |
| <a href="#"><u>The Allegra Ford Thomas Scholarship</u></a>                             | \$5,000  | April 05, 2024 |
| <a href="#"><u>Washington Wine Industry Foundation Scholarship</u></a>                 | \$10,000 | April 05, 2024 |
| <a href="#"><u>Winston Health Policy Scholarship</u></a>                               | \$10,000 | April 05, 2024 |
| <a href="#"><u>WMU Fisher Gerontology Dissertation Prize</u></a>                       | \$1,000  | April 05, 2024 |
|                                                                                        |          |                |
| <a href="#"><u>ACF Barnes W. Rose, Jr. and Eva Rose Nichol Scholarship Program</u></a> | \$800    | April 06, 2024 |
| <a href="#"><u>ACF Bryan Cline Memorial Soccer Scholarship Program</u></a>             | \$800    | April 06, 2024 |
| <a href="#"><u>ACF Carl F. Scott Scholarship Fund for Tucumcari Lodge No. 27</u></a>   | \$2,000  | April 06, 2024 |
| <a href="#"><u>ACF James Ledwith Memorial Scholarship</u></a>                          | \$2,000  | April 06, 2024 |
| <a href="#"><u>ACF Kiwanis Club of Albuquerque Scholarship Program</u></a>             | \$1,000  | April 06, 2024 |
| <a href="#"><u>ACF Robby Baker Memorial Scholarship</u></a>                            | \$1,000  | April 06, 2024 |
| <a href="#"><u>ACF Woodcock Family Education Scholarship</u></a>                       | \$40,000 | April 06, 2024 |
| <a href="#"><u>Centex Homes/NHE Build Your Future Scholarship Program</u></a>          | \$2,500  | April 06, 2024 |
|                                                                                        |          |                |
| <a href="#"><u>ACF Davis-Kozoll Scholarship</u></a>                                    | \$5,000  | April 07, 2024 |
| <a href="#"><u>CBA of GA Julian &amp; Jan Hester Memorial Scholarship</u></a>          | \$1,000  | April 07, 2024 |
| <a href="#"><u>DCA College Scholarship Program</u></a>                                 | \$2,000  | April 07, 2024 |
| <a href="#"><u>ESET Women in Cybersecurity Scholarship</u></a>                         | \$10,000 | April 07, 2024 |
| <a href="#"><u>Help America Hear Scholarship</u></a>                                   | \$4,000  | April 07, 2024 |
| <a href="#"><u>Herbert W. Nickens Medical Student Scholarships</u></a>                 | \$5,000  | April 07, 2024 |
| <a href="#"><u>Joshua L. Anderson Memorial Foundation Scholarship</u></a>              | \$3,500  | April 07, 2024 |
| <a href="#"><u>Kiwanis Foundation Scholarships</u></a>                                 | \$10,000 | April 07, 2024 |
| <a href="#"><u>Lee E. Schauer Scholarship</u></a>                                      | \$48,000 | April 07, 2024 |
| <a href="#"><u>NINA Journalism Scholarship</u></a>                                     | \$1,000  | April 07, 2024 |
| <a href="#"><u>Post-Graduate Scholarship (Aeronautics)</u></a>                         | \$1,000  | April 07, 2024 |
| <a href="#"><u>Post-Graduate Scholarship (Cardiology)</u></a>                          | \$1,000  | April 07, 2024 |
| <a href="#"><u>Raytheon Patriot Scholarship</u></a>                                    | \$10,000 | April 07, 2024 |
| <a href="#"><u>Road to Safety Scholarship</u></a>                                      | \$1,000  | April 07, 2024 |

**The seven states in the basin** have signed on to a short-term plan for managing a river that's let's face it just isn't big enough for all the things the people and industries in those states would like to do, especially in the ways they'd like to do them. The long-term plan remains elusive, of course. Jeniffer Solis reports: [Colorado River basin states pitch two alternative plans](#)

### **Impacts of court groundwater decision still a long way off, top water regulator tells lawmakers**

“Throughout several parts of Nevada, significantly more groundwater is extracted than is returned to aquifers each year, leading to declining water levels. Nevada has committed water rights for 1.5 times the approximately 2 million acre-feet of available groundwater. About 56 of the state’s water basins are currently over-pumped, according to the Legislative Counsel Bureau’s Research Division.”

<https://nevadacurrent.com/2024/03/04/impacts-of-court-groundwater-decision-still-a-long-way-off-top-water-regulator-tells-lawmakers/?emci=4c9ba387-a5dc-ee11-85fb-002248223794&emdi=77c99fde-a7dc-ee11-85fb-002248223794&ceid=88976>



**Freedom Is When We Don't Track Our Emissions**

- Yesterday, the Securities and Exchange Commission (SEC) passed a rule that will require companies to share their contributions to pollution. Business owners argued the law overstepped, while environmentalists said it didn't go far enough – ultimately, the business owners (and some lawmakers) seem to have won with [a significantly milder version of the original draft](#).
- The initial proposal required businesses to disclose “scope 3 emissions,” which are emissions for which the company is indirectly responsible. For example, emissions from cars would be scope 3 emissions for an oil company, because the oil company provides the gas for those cars. The final version of the rule only requires companies to disclose the direct and indirect greenhouse gas pollution they consider worth sharing with investors.

### **Six Animals the Smithsonian Has Helped Save From Extinction**

<https://www.smithsonianmag.com/blogs/earth-optimism/2024/03/07/six-animals-the-smithsonian-has-helped-save-from-extinction/?spMailingID=49534290&spUserID=OTYyNTc5MzkyMTQyS0&spJobID=2660806483&spReportId=MjY2MDgwNjQ4MwS2>

### **Scientists Reject Proposal to Define the Anthropocene, a Geological Age Marked by Human Activity**

Experts had suggested a new epoch started in the mid-20th century, but the recent vote demonstrates how tough it is to pinpoint when humans’ impact on the planet began

<https://www.smithsonianmag.com/smart-news/scientists-reject-proposal-to-define-anthropocene-180983905/?spMailingID=49534290&spUserID=OTYyNTc5MzkyMTQyS0&spJobID=2660806483&spReportId=MjY2MDgwNjQ4MwS2>



**‘We Are the Guinea Pigs’: Arizona Mining Project Sparks Concerns for Air and Water**

*Leanna First-Arai, Guardian UK*

Excerpt: "South32's project was fast-tracked by the Biden administration, but residents are worried about its impact on a fragile ecosystem."

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Since this is the day after the State of the Union Address, I thought it appropriate to continue with this series (Biden said Indian only once, in a comma-ridden sentence).

As I have mentioned before, I would hope readers would read the entire address as it provides a rich context and portrait of the times, to say nothing of a contrast with such today.

As for Mr. Polk, he believed the US should be in charge of the entire continent, as his comments and execution will project.

First State of the Union Address (1845) by James K. Polk 2 Dec 1845

Message starts with lengthy report on Texas annexation, an in-depth history of relations with Mexico (“I regret to inform you that our relations with Mexico since your last session have not been of the amicable character which it is our desire to cultivate with all foreign nations.”) and the need to negotiate with Britian regarding Oregon Territory.

As for Indians:

“.....Subsequent to the date of this act of Parliament a grant was made from the "British Crown" to the Hudsons Bay Company of the exclusive trade with the Indian tribes in the Oregon Territory, subject to a reservation that it shall not operate to the exclusion "of the subjects of any foreign states who, under or by force of any convention for the time being between us and such foreign states, respectively, may be entitled to and shall be engaged in the said trade."It is much to be regretted that while under this act British subjects have enjoyed the protection of British laws and British judicial tribunals throughout the whole of Oregon, American citizens in the same Territory have enjoyed no such protection from their Government. At the same time, the result illustrates the character of our people and their institutions. In spite of this neglect they have multiplied, and their number is rapidly increasing in that Territory. They have made no appeal to arms, but have peacefully fortified themselves in their new homes by the adoption of republican institutions for themselves, furnishing another example of the truth that self-government is inherent in the American breast and must prevail. It is due to them that they should be embraced and protected by our laws. It is deemed important that our laws regulating trade and intercourse with the Indian tribes east of the Rocky Mountains should be extended to such tribes as dwell beyond them. The increasing emigration to Oregon and the care and protection which is due from the Government to its citizens in that distant region make it our duty, as it is our interest, to cultivate amicable relations with the Indian tribes of that Territory. For this purpose I recommend that provision be made for establishing an Indian agency and such subagencies as may be deemed necessary beyond the Rocky Mountains.”

“For the protection of emigrants whilst on their way to Oregon against the attacks of the Indian tribes occupying the country through which they pass, I recommend that a suitable number of stockades and blockhouse forts be erected along the usual route between our frontier settlements on the Missouri and the Rocky Mountains, and that an adequate force of mounted riflemen be raised to guard and protect them on their journey. The immediate adoption of these recommendations by Congress will not violate the provisions of the existing treaty. It will be doing nothing more for American citizens than British laws have long since done for British subjects in the same territory.”

* * *

“Under our present land system, limiting the minimum price at which the public lands can be entered to \$1.25 per acre, large quantities of lands of inferior quality remain unsold because they will not command that price. From the records of the General Land Office it appears that of the public lands remaining unsold in the several States and Territories in which they are situated, 39,105,577 acres have been in the market subject to entry more than twenty years, 49,638,644 acres for more than fifteen years, 73,074,600 acres for more than ten years, and 106,176,961 acres for more than five years. Much the largest portion of these lands will continue to be unsalable at the minimum price at which they are permitted to be sold so long as large territories of lands from which the more valuable portions have not been selected are annually brought into market by the Government. With the view to the sale and settlement of these inferior lands, I recommend that the price be graduated and reduced below the present minimum rate, confining the sales at the reduced prices to settlers and cultivators, in limited quantities. If graduated and reduced in price for a limited term to \$1 per acre, and after the expiration of that period for a second and third term to lower rates, a large portion of these lands would be purchased, and many worthy citizens who are unable to pay higher rates could purchase homes for themselves and their families. By adopting the policy of graduation and reduction of price these inferior lands will be sold for their real value, while the States in which they lie will be freed from the inconvenience, if not injustice, to which they are subjected in consequence of the United States continuing to own large quantities of the public lands within their borders not liable to taxation for the support of their local governments.”

“I recommend the continuance of the policy of granting preemptions in its most liberal extent to all those who have settled or may hereafter settle on the public lands, whether surveyed or unsurveyed, to which the Indian title may have been extinguished at the time of settlement. It has been found by experience that in consequence of combinations of purchasers and other causes a very small quantity of the public lands, when sold at public auction, commands a higher price than the minimum rates established by law. The settlers on the public lands are, however, but rarely able to secure their homes and improvements at the public sales at that rate, because these combinations, by means of the capital they command and their superior ability to purchase, render it impossible for the settler to compete with them in the market. By putting down all competition these combinations of capitalists and speculators are usually enabled to purchase the lands, including the improvements of the settlers, at the minimum price of the Government, and either turn them out of their homes or extort from them, according to their ability to pay, double or quadruple the amount paid for them to the Government. It is to the enterprise and perseverance of the hardy pioneers of the West, who penetrate the wilderness with their families, suffer the dangers, the privations, and hardships attending the settlement of a new country, and prepare the way for the body of emigrants who in the course of a few years usually follow them,

that we are in a great degree indebted for the rapid extension and aggrandizement of our country.”

* * *

“During the last summer the First Regiment of Dragoons made extensive excursions through the Indian country on our borders, a part of them advancing nearly to the possessions of the Hudsons Bay Company in the north, and a part as far as the South Pass of the Rocky Mountains and the head waters of the tributary streams of the Colorado of the West. The exhibition of this military force among the Indian tribes in those distant regions and the councils held with them by the commanders of the expeditions, it is believed, will have a salutary influence in restraining them from hostilities among themselves and maintaining friendly relations between them and the United States. An interesting account of one of these excursions accompanies the report of the Secretary of War. Under the directions of the War Department Brevet Captain Fremont, of the Corps of Topographical Engineers, has been employed since 1842 in exploring the country west of the Mississippi and beyond the Rocky Mountains. Two expeditions have already been brought to a close, and the reports of that scientific and enterprising officer have furnished much interesting and valuable information. He is now engaged in a third expedition, but it is not expected that this arduous service will be completed in season to enable me to communicate the result to Congress at the present session.”

* * *

“Our relations with the Indian tribes are of a favorable character. The policy of removing them to a country designed for their permanent residence west of the Mississippi, and without the limits of the organized States and Territories, is better appreciated by them than it was a few years ago, while education is now attended to and the habits of civilized life are gaining ground among them.”

“Serious difficulties of long standing continue to distract the several parties into which the Cherokees are unhappily divided. The efforts of the Government to adjust the difficulties between them have heretofore proved unsuccessful, and there remains no probability that this desirable object can be accomplished without the aid of further legislation by Congress. I will at an early period of your session present the subject for your consideration, accompanied with an exposition of the complaints and claims of the several parties into which the nation is divided, with a view to the adoption of such measures by Congress as may enable the Executive to do justice to them, respectively, and to put an end, if possible, to the dissensions which have long prevailed and still prevail among them.”

https://en.wikisource.org/wiki/James_K._Polk%27s_First_State_of_the_Union_Address

A Freshman's Perspective: University Student on ChatGPT's Impact on Academia: A University of Nevada, Reno student, Blake Rice, discusses the impact of ChatGPT on academia, highlighting the benefits and challenges of AI in education. (medium.com)