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State Lands Board Votes to Sell Oldest State Forest

A South Dakota education bill has scientists wondering if we're headed back to the Cretaceous.

Glen Canyon Dam Records Management

Dennis Banks Callout at Standing Rock

It looks like things are about to erupt at Standing Rock again. But what is really going on there???

Dennis Banks, AIM CoFounder live @ Oceti Camp. Raid imminent in 48hrs. (Paraphrasing)
Once again they break treaties and invade our territory (on 2/22/2017). If you want to stand with us ie be witnesses (and record events) come and



make up your own mind and we will plan strategy on the night of the 21st (2/21/2017)

<https://www.facebook.com/lastrealindians/videos/1386573401364286/>

Digital Smoke Signals's live video.

Digital Smoke Signals was live.

tara houska @zhaabowekwe We are surrounded by federal & state law enforcement. Our spirits remain high. Indigenous peoples have not and will never be broken. #NoDAPL 1:20 PM - 21 Feb 2017

The right to prior and informed consent should always prevail...Only then is it possible to guarantee peaceful cooperation between governing authorities and indigenous peoples, overcoming confrontation and conflict.” –Pope Francis, affirming indigenous peoples’ right to determine the fate of development projects on their land at the global meeting of the Indigenous Peoples’ Forum in Rome last week. Violations of this right have led to conflict over major mining and energy projects around the world, many times because they threaten local water supplies. ([Guardia](#))



*****[To Recall: Scientists](#)

Back Native American Protesters In Dakota Access Fight, Citing Probability of Environmental Destruction and Water Pollution

October 9, 2016

Indigenous women of Standing Rock release heartbreaking video hours before evacuation deadline

In a viral video from Oceti Sakowin camp, Standing Rock demonstrators issue a call for support.
mic.com By Mic



click the map to go to the interactive map

Have lots of time to get lost in research?:

<http://mojavedesert.net/railroads/>

<http://mojavedesert.net/mojave-desert-indians/> the map to go to the interactive map

Mojave River Valley Museum

Mohave Historical Society

Shoshone Indians - Western Shoshoni Myths: Beatty, Nevada **The Origin of People**

Every day Coyote met a girl. The girl lived with her mother, who said, "Why don't you bring that Coyote here? He will hunt, game for us. Bring him home."

When Coyote met the girl again, he became amorous. She said, "All right, but I shall go a little way ahead. Then you come." The girl went some distance toward the east and stopped. When Coyote came up to her he said, "This is the place." She said, "No, it is farther." She went ahead again, and when Coyote came to where she was, the same thing happened. Every time he came up to her, Coyote made advances. Thus, they went from place to place and crossed a high mountain.

While crossing the mountain, they came to a cliff. What Coyote discovered while climbing the cliff . . . frightened him. Coyote continued to follow the girl, and they went toward the east, where the girl and her mother had a house.

Coyote and the girl reached the house. That night the girl's Mother, an old woman, cooked all kinds of food for them to eat.

She said to Coyote and the girl, "You go and make a bed outside." Coyote . . . knew

what to expect . . . He was frustrated.

In the morning the old woman said to Coyote, "You go and hunt ducks. There are a lot of arrows out there. Take them with you. Hunt all day and kill many ducks." 14

Coyote hunted all day and brought back a great many ducks. The old woman plucked them and boiled them in a pot. She and her daughter ate the meat. Coyote sat to one side. He could see how they disposed of the bones . . .

That night Coyote's advances were frustrated . . .

In the morning the old woman said to Coyote, "You go and hunt again. Hunt mountain sheep. There are arrows outside. Take them with you." Coyote said, "I am a great hunter. All right. I will go and hunt."

Coyote walked up into the mountains. Coyote was a smart man. Halfway up the mountain, he saw a mountain sheep. It was young and small and had short horns that were still soft and weak. Coyote went after the small sheep and killed it at once. He shot it. He butchered it and prepared it. He wanted a piece of the neck, because the neck is strong. He cut off a piece of the neck and said, "I do not want to give this to those women." He hid it.

Coyote went back to the women's house that night. The old woman met him and took the sheep. She looked it over and said, "Coyote, what did you do with that neck?" Coyote, said, "I threw it away." The old woman said, "It is good to eat." The old woman and the girl boiled the meat. They ate it, and when they were through it was dark.

The old woman said, "You two make a bed." The girl made a bed. Coyote was still lustful. The girl was very fine; she was a good looking girl . . . Coyote went to where he had hidden the mountain sheep's neck. He returned bringing it with him . . . He visited both the girl and the old woman . . .

In the morning, Coyote went out to hunt ducks. He brought back a great many ducks for the women to eat. The women plucked and boiled the ducks. They ate off the meat, then pulverized the bones with a rock.

That night Coyote again visited the women.

The old woman made a basketry water jug, a very large jug. She worked on it for several days. Coyote stayed with the women. Every day he hunted.

After a few days, the old woman said to him, "You must go home. Carry that jug, with you. Don't open it while you are traveling. Don't open it anywhere. When you come to the middle of the country, open it."

Coyote started out carrying the jug, but it was too heavy. He said, "What is in this jug? It

is too heavy. I want to open it and see what is in it." He decided to open it. He took a rock and hammered open the stopper. At once people jumped out. Many people jumped out. Nearly all the people jumped out. There were young men and young women. These were fine looking men and women. This happened near Saline Valley. 15

When only a few people remained in the jug, Coyote put the stopper back in. He carried the jug on his back and went on toward his own country. When he had gone half way, he opened it again. This was at Owens River. 16 Old and homely people came out. A great many people came out. Then Coyote threw away the jug.

That is how men and women were made .

Fellowships

The Linda Hall Library will once again offer Fellowships to assist scholars' research stays in the Library's collections. Fellowships are available from one week to a full academic year for projects in the history of science and related science and technology disciplines.

[Learn More](#) Linda Hall Library, 5109 Cherry Street, Kansas City, MO 64110-2498
<http://www.lindahall.org/>

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Amiel Weeks Whipple, a US army officer and engineer, died May 7, 1863. In 1853, the U.S. Congress appropriated \$150,000 for four western surveys, in search of the best route for a transcontinental railroad. **Whipple was given charge of the expedition that explored the 35th parallel, from Fort Smith, Arkansas, through Oklahoma, Texas, New Mexico, and Arizona, all the way to Los Angeles.** The expedition took about 8 months, from fall 1853 to early summer 1854, and as it was intended to be a scientific expedition, Whipple took along an astronomer, a botanist, a zoologist, a geologist, another topographic engineer, and an artist. Many of his team would later distinguish themselves on other western expeditions; an example is Albert H. Campbell, whom we featured in this space on [Feb. 23, 2015](#).

The official narrative of the Whipple expedition was published as volume 3 of the *Pacific Railroad Reports*, which in its 13 volumes encompassed all four of the parallel surveys plus three California surveys. Whipple's narrative differed from some of the others in that he was very interested in ethnography and was fascinated by native American culture, so Whipple's volume has a number of chromolithographs of pueblos (see *second image above*), native peoples (*fourth image*) and Indian artifacts (*fifth image*). Other lithographs give a good account of the landscape they passed through, so you can see a bivouac (*first image*), the San Francisco mountains in Arizona (*third image*), and a stratified hill that Whipple called Pyramid Mountain (*sixth image*)

We displayed Whipple's volume of the *Pacific Railroad Reports* in our 2004 exhibition, *Science Goes West*. When the Civil War broke out, Whipple served in the Union forces and was fatally wounded at Chancellorsville. He was 44 years old at his death.

*Dr. William B. Ashworth, Jr., Consultant for the History of Science, Linda Hall Library and Associate Professor, Department of History, University of Missouri-Kansas City*



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## **Union Pacific Railroad Museum - Digitizing Union Pacific's Past**

Union Pacific Railroad Museum has embarked on a multi-year effort to digitize much of Union Pacific's historic photograph collection. The Museum's collection of more than 500,000 images provides a record of American photography dating back to the 1860s. Union Pacific continues this legacy today by documenting the progress and expansion of the railroad across a 23-state region and roughly 32,000 miles of track.

1937 image of a Pacific Fruit Express train full of lettuce at Salinas, Calif. The rippled quality of the image, the channeling of the emulsion and the warping of the negative are all symptoms of deterioration common in cellulose acetate negatives.

The history of photography dates back to 1839 when Louis Daguerre patented the process of the daguerreotype – an image placed directly on a mirrored metal surface. Almost immediately, photographers discovered these images were incredibly fragile, so the race was on to discover a more stable form of photography. Technology advanced through ambrotypes (images on glass) to tintypes (images on tin) to processes that involved the creation of photographic negatives. It was with glass negatives that Union Pacific's early history was first recorded. The process of using, first wet plate negatives and then dry plate negatives, continued into the 20th Century and Union Pacific's own photo department adopted these practices in the 1930s. Glass negatives are fragile, but if treated with care and stored properly, the images captured can last lifetimes.

*The severe channeling of the emulsion in this 1935 image of Union Pacific's first streamliner, the M-10000, often occurs before the entire image is lost.*

The next evolution of photography was more problematic. While the development of film revolutionized photography, it presented a new set of challenges for preservation. After the 1930s, much of Union Pacific's history was captured on cellulose-based film. These films captured amazing detail and were used by Union Pacific to record and advertise the heyday of passenger travel, and the expansion of the Union Pacific system. This film, however, does not last forever and is extremely susceptible to changes in environment. This fragility can often cause images to be completely lost from their negatives. Later slide film can also deteriorate, with colors turning from vibrant to a murky brown.

Advances in scanning and digitizing technology make it possible for these images to be captured and preserved before they are lost. Through the Museum's digitization project, its most valuable photographic resources will be scanned and cataloged while the precious originals will be restored to proper containers and conditions to hopefully last the next 100 years. [Home](#)

## **Union Pacific's A.J. Russell Collection**

Among the many photographers represented in Union Pacific's vast photography collection, one of the earliest and more prolific was Andrew J. Russell. Born in 1830, Russell was originally trained as a landscape painter, and it was not until after he enlisted with the Union Army in 1862 that he learned the art of wet plate, collodion photography. This cumbersome process required the photographer to prepare glass slides by coating them with a thin layer of nitrocellulose dissolved in ether and alcohol and mixed with potassium iodide. The plates were then dipped in

a silver solution which made them light sensitive. Before the plate dried out it was exposed using sunlight through the lens of the camera. Prints were made from these negative plates, most often onto albumen coated paper. These albumen prints are extremely sensitive to UV light. When exposed over time to light the images gradually disappear.

Earning only \$3 per day, grading crews under Lewis Carmichael worked tirelessly to prepare the way for Union Pacific's track laying crews. Cuts like this were established one shovel load at a time and had to be unloaded one wagon at a time.

In 1868, Russell was engaged by Union Pacific to document the construction of their portion of the first transcontinental railroad from Omaha, Nebraska, to Promontory Summit, Utah. He did so using two different cameras, but the same wet plate process. One camera used large glass plates averaging 10X13 inches. The other camera captured two images at the same time; a stereo camera. Cards were printed with these dual images that, when viewed with a stereo viewer, would create one surprisingly clear 3-D image.

In late 1866 and early 1867, Central Pacific workers experienced 44 snowstorms - the worst winter in memory in the Sierra Nevada. With so much snow, supply trains could not get through, and more than half of the workers were occupied just clearing the track. Desperate to move forward, Central Pacific built a roof over the track to keep the snow off. In 1868, 2,500 men and six trains were dedicated solely to construction of these snow sheds. By 1873, Central Pacific had built more than 30 miles of massive snow sheds at a cost of \$2 million. The innovation was tremendously successful and was eventually adopted by Union Pacific and European railroads.

A.J. Russell's work is scattered in public and private collections, but Union Pacific's photographic collection is by far the most comprehensive. Union Pacific owns:

- About 600 Russell stereo cards, some of which are rare.
- Three *Great West Illustrated* albums, each containing 50 images, produced from the 10x13" glass negatives, the most albums in any collection.
- About 85 additional, large-format albumen photographs, some of which do not exist in any other collection, either in negative or print form. Some possess photographic plate labels from Russell's studio and are thought to be the only labeled prints in existence.

A free 3-D brochure using stereo images from the construction period is available for visitors to the Museum. A 3-D book of Union Pacific's stereocard collection containing more than 50 images is also available for purchase in the gift shop. [Home](#)

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### **Union Pacific and the Pawnee Scouts**

Did you know that in 1864, several hundred Pawnee warriors joined forces with the U.S. Army? Friendly to the American government and bitter enemies of the Sioux, the Pawnee worked alongside the Army to protect Union Pacific as the railroad progressed into the Great Plains. Led by Major Frank North, a uniformed battalion of 800 Pawnee men patrolled the railroad to protect crews and livestock from Sioux and Cheyenne raiders. Their presence as a deterrent to attack was quite effective.

In October 1866, to celebrate the Pawnee Scouts' help in building the first critical miles of track into Nebraska, General Grenville Dodge invited Major North and the scouts to accompany a Union Pacific excursion. This excursion was full of media and investors from the East who were eager to see the progress of the railroad. The Pawnee staged mock raids on the passenger train, allowed the travelers to tour their camp and posed for pictures alongside the special train. Photographer J.C. Carbutt of Chicago, Ill., was paid by Union Pacific to document the event.

The photographs taken by Carbutt are called stereo cards, or stereographs, and were the 19th Century equivalent of 3D technology. Using a stereoscope to view the cards, viewers saw the images merged as one. The Union Pacific Railroad Museum has more than 800 stereo images documenting the progress of the railroad from 1866-1869. It's one of the largest collections of its kind in the world. The photographers represented in this collection include J.C. Carbutt, Charles Savage, Andrew Russell, Alfred Hart and William Henry Jackson.

For more information on the Pawnee Scouts you might try:

Logt, Mark Van De, and William Henry Jackson. *War Party in Blue: Pawnee Scouts in the U.S. Army*. Norman: U of Oklahoma, 2010. Print.

**This photograph shows Pawnee warriors posed alongside Union Pacific excursionists in front of the business car that belonged to President Abraham Lincoln. The car had been used to transport President Lincoln's remains to Springfield, Ill., for his funeral and internment. Relics from this car are on display in the Union Pacific Railroad Museum.**

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### **[THE CENTER FOR LAND USE INTERPRETATION](#)**

**[dedicated to the increase and diffusion of knowledge about how the nation's lands are apportioned, utilized, and perceived](#)**

### **Land Use Database**

- [LUDB Home](#)
- [About the Database](#)

The Center for Land Use Interpretation's Land Use Database is an evolving and expanding catalog of unusual and exemplary places across the USA, highlighted and described by the CLUI. It is an annotation of the landscape as artifact, a product of our economy and society, an altered topography shaped by our individual and collective activities.

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### **Local Government Resources**

Good government humor is hard to find - especially if you are a local government official. There is a lot of humor in government budgets, tax levies, [Ikea Just Released Free Plans For A Stunning Sustainable Garden](#)

It doesn't even require nails. [huffingtonpost.com](#)

State & Federal mandates, quarrelsome colleagues and unhappy constituents. The humor on this [www.localgovernmenthumor.blogspot.com](#)



## **Alt National Park Service**

So much for clean water... President Trump has officially killed the Office of Surface Protection's Stream Mining Rule, as he signed legislation undoing the Oba...[See More](#)

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Lori Hopkins <http://www.youtube.com/watch?v=2GGE62qZHOc...>

**Russell Means:**  
**Welcome To The Reservation** -part 1 of 7-



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## **The Murky Future of Nuclear Power in the United States**

**By DIANE CARDWELL**

A nuclear renaissance fizzles as costs soar, green energy makes gains and regulatory pain rises.

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## **Arizona Republican suggests sterilizing poor women**

The author of Arizona's "papers please" SB1070 law was rejected by voters -- and has now lost his job in the state GOP. [msnbc.com](http://msnbc.com) By [Steve Benen](#)

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**Stand With the Shuar** Since last August, the Shuar people in the Ecuadorian Amazon have been protesting a new mega-mine proposed by a Chinese mining consortium, one of several gold and copper mines under construction on Shuar lands within the biologically rich Cordillera de Condor region of the Amazon. A 30-day state of emergency declared by the government was renewed in early January, and the whole area is now heavily militarized. The Shuar federation offices have been raided and the tribe's president thrown in jail, facing possible prosecution. This attempt to suppress indigenous protest is a blatant attack on the Shuar's rights.

[Take action to defend the defenders!](#)

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## **Hawaii Was Just Named The Healthiest State In The Country. Here's Why.**

We know that Hawaii is best, but this study made it official! [onlyinyourstate.com](http://onlyinyourstate.com)

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## **26 States That Were Named By Native Americans, Was Your State?**

[Colville Tribes purchase life insurance packages for all members](#)

The coverage will help pay for burials, ceremonies and memorials for deceased...

indianz.com

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**UNR Forum: Benefits of 100% Clean Energy**

Nevada has a historic opportunity to shape our clean energy future. With visionary thinking, we can lead the nation to 100% clean energy across all sectors, including buildings and transportation. David Gibson will share how he transitioned his home in Reno to net-zero energy, and steps you can take to save energy (and money!) in your home. **David's family spent only \$335 on energy bills last year, including the electricity to charge his car!**

Will you join us on Thursday evening at UNR to learn how Nevada can make history and how we can achieve it together?

**Forum: Benefits of 100% Clean Energy**

UNR Knowledge Center, Room 124

Thursday, 2/23, 6pm

Hosted by [Reno Justice Coalition](#)

[Facebook Event Info](#) [Please RSVP here on EventBrite](#) [or by email](#)

I know many of you live throughout Nevada. *Will you forward this invitation to your representatives in Carson City, and ask them to attend?*

100% clean energy will provide many benefits: retain billions of dollars in Nevada each year, reduce greenhouse gas emissions and air pollution, and create ~50,000 jobs across the state. This dynamic presentation will provide lots of details about how we can make the transition to clean energy, improve our economy, and reap the benefits for current and future generations.

**Have a wonderful, sunny day!**

[Powered by Sunshine](#)'s goal is to transition Nevada to 100% clean energy across all sectors, including transportation, by 2040.

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**[Deep in Brazil's Amazon, Exploring the Ruins of Ford's Fantasyland](#)** By SIMON ROMERO

The town of Fordlândia, founded in 1928 by Henry Ford, stands as a crumbling testament to the folly of trying to bend the jungle to the will of man.

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**[State Land Board votes to sell Oregon's oldest state forest](#)** SALEM, Ore. (AP) Oregon's state Land Board voted 2-1 on Tuesday to sell the... [katu.com](#) By Associated Press



A South Dakota education bill has scientists wondering if we're headed back to the Cretaceous

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[Journal](#)



Floods are a dynamic force that shape the Colorado's course to the Gulf of California. Just five months ago California was still struggling with its worst drought in modern history, now it's having trouble safely holding water back. Scientist warn that ...

[https://www.washingtonpost.com/news/powerpost/wp/2017/02/20/staffing-budget-shortages-put-indian-health-service-at-high-risk/?utm\\_term=.d1a0b9b810a5&wpisrc=nl\\_politics&wpmm=1](https://www.washingtonpost.com/news/powerpost/wp/2017/02/20/staffing-budget-shortages-put-indian-health-service-at-high-risk/?utm_term=.d1a0b9b810a5&wpisrc=nl_politics&wpmm=1)



## Records Management

Elevator desks in Prague 1937.

[Auto Overload](#)  
This is the largest vertical letter file in the world, and it was located at the Central Social Institution in Prague (currently Czech Republic).

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[Julia Hammett](#)

*So as I walked through the lunchroom at school today I saw a rep from Wells Fargo tabling with a lot of little giveaway trash. He made eye contact with me and smiled, and as I got into closer I glared and yelled DIVEST FROM DAPL! I walked away making him worry about how the rest of the day might go.*