

Journal #4579 from sdc 12.27.19

*Manitoba artist inundated with orders for handmade necklace worn by Whoopi Goldberg
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from UNR: Stacy Emm*

Research shows burning sage kills 94% of airborne bacteria

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The 1,000th California condor has hatched in a victory for the species that nearly went extinct

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This Map Lets You Plug in Your Address to See How It's Changed Over the Past 750 Million Years

The story of Crisco



[Mish Daniels, a member of Sagkeeng First Nation, says she shook with excitement when she saw the American actress and comedian donning the necklace on daytime TV.](#)

[Manitoba artist inundated with orders for handmade necklace worn by Whoopi Goldberg](#)

[More than 300 order requests have come in to Mish Daniels since Goldberg wore the medallion on television. \[globalnews.ca\]\(#\)](#)

[In Indian Country, a Crisis of Missing Women. And a New One When They're Found.](#) By JACK HEALY and ADRIANA ZEHBRAUSKAS

The federal government is trying to catch up with a crisis of missing Native American women. But no one is addressing the problems that arise when they're found.

from UNR:



Staci Emm's research found that the Veggies for Kids Program helped American Indian and rural kindergarten students understand the nutritional value of food.

[Research shows burning sage kills 94% of airborne bacteria](#) [everythinglubbock.com](#)

The burning of sage has long been a spiritual ritual — but new research shows it can have more benefits than you might think. The research shows that burning sage, also referred to as smu...

[Louinda Garity](#)

Have a great blessed day FB friends. Here's an uplifting song for the day. "The Weight" written by Robbie Robertson, Mohawk Native artist, along with his bud George Harrison on drums. Also singing and playing are many artists from around the globe. Robby's the leader and gets to show off his awesome guitar skills.

[The Weight | Featuring Robbie Robertson | Playing For Change | Song Around The World](#)

We're excited to share our newest Song Around The World, "The Weight," featuring musicians performing together across 5 continents. [Great songs can travel ev... youtube.com](#)

[Transforming Community Development through Arts and Culture](#)

This issue of the *Community Development Innovation Review* explores the power of arts and culture to transform the practice of community development. Published in partnership with ArtPlace America and PolicyLink, this issue takes a deep dive into the lessons learned from the Community Development Investments program and offers reflections from industry leaders on the implications for the broader community development field. The diverse range of authors includes artists, community developers, bankers, and researchers. Their collective voices frame a rich conversation on how openness to the creative process can help community development

organizations better achieve their mission of expanding opportunity for low-income communities

Register for NICRC in Denver

Have you registered yet for the 2020 National Interagency Community Reinvestment Conference? NICRC brings together community development leaders, practitioners, investors, and policymakers for four days of insightful sessions and networking. Join us March 9-12 in Denver, Colorado where we will explore new partnerships and strategies to advance equitable growth.

[Register today! Let's work together to create healthy and resilient communities.](#)

[Learn more at www.nicrc.us/denver](http://www.nicrc.us/denver)

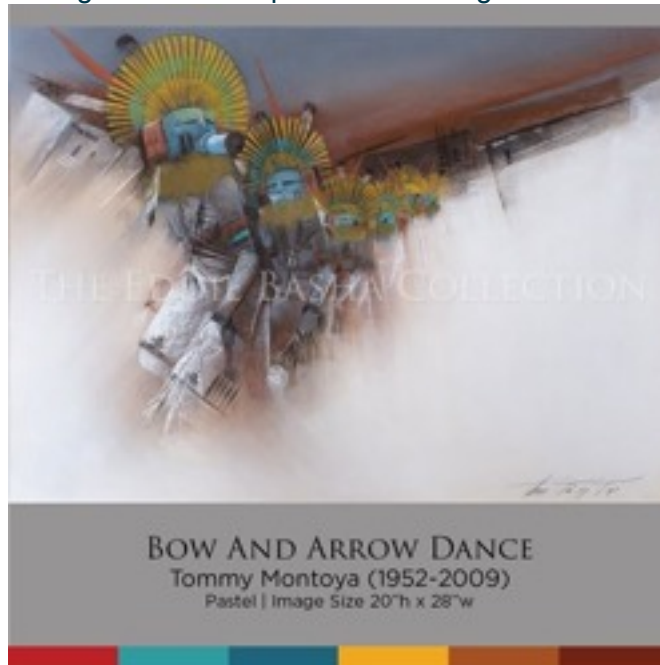
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In rural Colorado, the kids of coal miners learn to install solar ...<https://www.hcn.org › issues › solar-energy-in-rural-colorado-the-kids-of-..> [Dec 13, 2019 -](#)

Ethan Bates and Cody Sauve adjust *the* wiring box on a *solar array* outside their Delta High School classroom. Bates' father was a *coal* mine foreman. This story is a part of *the* ongoing Back 40 series, where HCN reporters look at national trends and their impacts close to home.

The Eddie Basha Collection

Born in his family's home at the former San Juan Pueblo, now Ohkay Owingeh Pueblo, **(Tommy) Montoya** attended the Santa Fe Indian School and the Institute of American Indian Arts in Santa Fe. After earning his BFA and MFA degrees at California colleges, he returned home and began his professional life as a technical illustrator and photographer at Los Alamos National Labs, all the while pursuing his artistic aspirations evenings and weekends.



[See More](#)

Scientists created a new sponge that could clean up oil spills

[Common polyurethane foam could change the way we clean up contaminated water from fracking and oil spills](#)

[The Disproportionate Impact of Climate Change on Indigenous Communities](#)

[By KCET, 12/19/19](#)

Now more than ever, the topic of climate change has been receiving national attention and is at the forefront of many conversations. In addition to altering environments, it also has a social impact. Extreme weather events have been happening more than ever in recorded history, disrupting both ecosystems and livelihoods for people across the globe. However, marginalized communities, including Indigenous groups, are often the people most affected by devastating storms, flooding, or fires. Recent environmental changes brought on by climate change uniquely impact Indigenous people, especially because of their relationships with the land, ocean, and natural resources.

[‘We’re in a David-and-Goliath situation.’ Small Ontario town taking on Nestle to save its water](#)

The Township of Centre Wellington is facing a ‘significant’ risk to its water supply. Still, the province is considering allowing the Nestle to expand operations, possibly taking millions of...[stcatharinesstandard.ca](#)

[BREAKING NEWS – On Friday, December 20, Senator Catherine Cortez-Masto introduced Senate Bill 3145, the "Desert National Wildlife Refuge and Nevada Test and Training Range Withdrawal and Management Act", which would deprive the US Air Force of its proposed expansion of military activities over 75% of the Desert Refuge. Instead, it would enact the following:](#)

- 1.3 million acres of wilderness for the Sheep Range and other proposals issued by the USFWS in the 1970s. This would be the largest wilderness designation in Nevada history, protecting Nevada’s largest-remaining tracts of wild land.
- Continued management authority over all Desert Refuge lands by the US Fish & Wildlife Service (USFWS).
- Regular access by tribes to their important cultural sites and to wildlife agencies/ volunteers to maintain guzzlers and manage wildlife.
- Creates a public forum and oversight committee to ensure management and access occur as mandated.
- Public access would remain along Alamo Road and all Desert Refuge lands to the east.
- Roughly 100,000 acres of expanded military land withdrawals over the Desert National Wildlife Refuge and other BLM-managed public lands.
- No permanent withdrawal of USFWS and BLM lands. The Nevada Test and Training Range lease would be up for reconsideration in 20 years.

Nevada’s entire congressional delegation supports this legislation. Here is [Cortez Masto’s press release](#) with statements from all delegation members. How nice it is to see a delegation united around conservation!

Do You Know What This Means?

They listened. The thousands of people like you who signed our petition and supported [the Nevada Legislature’s resolution](#) opposing [the proposed military expansion](#) made a difference. This legislation responds to the vast majority of Nevadans from all walks of life who want to see our treasured public lands protected, not bombed.

Although the proposed wilderness designations and improved access and management authority for wildlife officials and tribes are strong steps in good directions, much of this

authority already exists. The military hasn't respected this up until now. It will take a strong conservation stance to ensure these authorities are honored in the future. And despite these protections, the bill would transfer control of roughly 100,000 acres of your public lands to the military.

This act is only the opening salvo of what could be a big battle. The military and Republican-controlled Senate have yet to respond. The bill is likely to become part of the must-pass National Defense Authorization Act in 2020. Opponents will try to remove these protections.

We have a challenging journey ahead. Sierra Club is working with coalition partners to maintain and improve the conservation proposed in this legislation. We will need your help.

But for now, celebration is in order. Please consider contacting Senator Cortez Masto and all members of our delegation to thank them for their strong stance in defense of the Desert Refuge.

[Going 100% Green Will Pay for Itself in Seven Years, Study Finds](#)

Will Wade, Bloomberg

Wade writes: "A Stanford University professor whose research helped underpin the U.S. Democrats' Green New Deal says phasing out fossil fuels and running the entire world on clean energy would pay for itself in under seven years." [READ MORE](#)

[California sues EPA over weakening of clean water rules](#)

By Daily Republic,

12/20/19 Dec. 20—The bitter fight between state regulators and the Trump administration over clean water intensified Friday when California Attorney General Xavier Becerra and several other states sued the federal government for eliminating Obama-era protections for wetlands and streams across the country. The lawsuit, filed in U.S. District Court in New York, accuses the U.S. Environmental Protection Agency and Army Corps of Engineers of illegally exposing waterways to pollution and development by rolling back a key provision of the Clean Water Act.

[Completed drought plan have put Water Managers on pause over Colorado River Negotiations](#)

By California Water News Daily, 12/22/19

The

annual conference of the Colorado River Water Users Association held on December 11 – 13 saw the completion of Upper and Lower basin states Drought Contingency Plans(DCP). A very different message was delivered to nearly every native American tribe, environmental groups, municipal water agencies, and irrigation districts, by the U.S. Bureau of Reclamation Commissioner Brenda Burman, than had been delivered at last year's conference. Burman praised the group on a task well done in getting the DCP's completed and signed but followed with that they are not the final solution. The implementation of those plans now needs to start.

[Nevada water officials call moratorium on new groundwater pumping from Cold Spring Valley](#)

By Reno Gazette Journal, 12/20/19

Nevada water officials want to "hit the pause button" on approving groundwater for new development in Cold Spring Valley north of Reno, which has seen thousands of new homes in recent decades. They want to know more about the sustainability of the valley's groundwater supply before signing off on new projects. On Friday state engineer Tim Wilson, Nevada's highest-ranking water official, signed an order declaring a moratorium on approving new subdivision maps if the development would rely on groundwater pumped from the Cold Spring Valley.

[Canada Police Prepared to Shoot Indigenous Activists, Documents Show](#)

Jaskiran Dhillon and Will Parrish, Guardian UK

Excerpt: "Canadian police were prepared to shoot Indigenous land defenders blockading construction of a natural gas pipeline in northern British Columbia, according to documents seen by the Guardian." [READ MORE](#)

[Indian Removal Act - HistoryNet](#)

<https://www.historynet.com/indian-removal-act - 86k - similar pages>

[Facts, information and articles about Indian Removal Act, from American ... And they had adopted many skills of the white man to improve their living conditions. Worse, districts would be laid out for some 'fifteen or twenty different tribes, an](#)

[The Gifts of Interpretation](#)

Fifteen Guiding Principles for Interpreting Nature and Culture (Third Edition)

Larry Beck Ted T. Cable

<https://www.sagamorepub.com/sites/default/files/2018-07/gifts-interp-look-inside-OPT.pdf>

[\[PDF\] From Foundational Law to Limiting Principles in Federal Indian Law](#)

<https://dc.law.utah.edu/cgi/viewcontent.cgi?article=1133&context=scholarship - similar pages>

[economic and political life to the United States. Most reservations are no ... came up with a limiting principle according to which Indian tribes could only exercise 24 See Indian Gaming Regulatory Act at 15 U.S.C. 2710 \(](#)

[Henry Giroux: Now Is the Time to Break the Spectacle of Ignorance and Violence](#)

BRAD EVANS, LA REVIEW OF BOOKS

Renowned public intellectual, author and critical educator Henry A. Giroux asserts that education is key to changing our culture, and that school must be transformed from a tool of oppression into a tool of liberation. In this interview, Giroux explains how his own educational experiences shaped his way of thinking. [Read the Interview →](#)



[The 1,000th California condor has hatched in a victory for the species that nearly went extinct.](#)

[The California condor once tip-toed dangerously close to extinction, with only 22 left in the wild in 1982. Things are looking up. \[cnn.com\]\(#\)](#)

[Mapped: The largest employers in each US state](#)

matadornetwork.com

[Where you live might say a lot about where you work.](#)

[Push for Ethnic Studies in Schools Faces a Dilemma: Whose Stories to Tell](#)

By DANA GOLDSTEIN

A struggle in California, one of three states creating K-12 ethnic studies materials, highlights some of the fraught questions around the discipline.

It's all about having faith in the purity of the process. melissamn/Shutterstock.com



[TOXMAP, federal database allowing public to track U.S. pollution, shut down after 15 years by Trump administration](#)

[TOXMAP, an interactive map that allowed users to find polluted areas such as factories and toxic waste cleanups, has been shut down by the Trump administration in a move some observers connect to the White House's rollbacks of environmental policies.](#)

[This Map Lets You Plug in Your Address to See How It's Changed Over the Past 750 Million Years](#)

Smithsonian magazine's most-read story of the year centered on [Ancient Earth](#), an interactive map that allows users to visualize how different parts of the world have evolved over the past 750 million years. Plug a specific address or more generalized region, such as a country or province, into the tool, then choose the desired date from a dropdown menu of 26 options spanning the Cryogenian Period to the present. To truly appreciate the project's scale, start at the beginning of the map's timeline and watch as the world shifts from unrecognizable masses to the supercontinent of Pangea and, finally, the seven continents seen today.

How Crisco toppled lard – and made Americans believers in industrial food December 18, 2019 8:49am EST [Helen Zoe Veit](#) Associate Professor of History, Michigan State University

Perhaps you'll unearth a can of Crisco for the holiday baking season. If so, you'll be one of millions of Americans who have, for generations, used it to make cookies, cakes, pie crusts and more.

But for all Crisco's popularity, what exactly is that thick, white substance in the can?

If you're not sure, you're not alone.

For decades, Crisco had only one ingredient, cottonseed oil. But most consumers never knew that. That ignorance was no accident.[r-l-jhljjhk-uyjdlufkj-u](#)

A century ago, Crisco's marketers pioneered revolutionary advertising techniques that encouraged consumers not to worry about ingredients and instead to put their trust in reliable brands. It was a successful strategy that other companies would eventually copy.

Lard gets some competition

For most of the 19th century, cotton seeds were a nuisance. When cotton gins combed the South's ballooning cotton harvests to produce clean fiber, they left mountains of seeds behind. Early attempts to mill those seeds [resulted in oil that was unappealingly dark and smelly](#). Many farmers just let their piles of cottonseed rot.

It was only after a chemist named David Wesson [pioneered industrial bleaching and deodorizing techniques](#) in the late 19th century that cottonseed oil became clear, tasteless and neutral-smelling enough to appeal to consumers. Soon, companies were selling cottonseed oil by itself as a liquid or mixing it with animal fats to make cheap, solid shortenings, sold in pails to resemble lard.

Cottolene, made from a mix of cottonseed oil and beef fat, was one of the first commercial shortenings. Alan and Shirley Brocker Sliker Collection, MSS 314, Special Collections, Michigan State University Libraries

[Shortening's main rival was lard](#). Earlier generations of Americans had produced lard at home after autumn pig slaughters, but by the late 19th century meat processing companies were making lard on an industrial scale. Lard had a noticeable pork taste, but there's not much evidence that 19th-century Americans objected to it, even in cakes and pies. Instead, its issue was cost. While lard prices stayed relatively high through the early 20th century, [cottonseed oil was abundant and cheap](#).

Americans, at the time, overwhelmingly associated cotton with dresses, shirts and napkins, not food.

Nonetheless, early cottonseed oil and shortening companies went out of their way to highlight their connection to cotton. They touted the transformation of cottonseed from pesky leftover to useful consumer product as a mark of ingenuity and progress. Brands like Cottolene and

Cotosuet drew attention to cotton with their names and by incorporating images of cotton in their advertising.

King Crisco

When Crisco launched in 1911, it did things differently.

Like other brands, it was made from cottonseed. But it was also a new kind of fat – the world’s first solid shortening made entirely from a once-liquid plant oil. Instead of solidifying cottonseed oil by mixing it with animal fat like the other brands, [Crisco used a brand-new process called hydrogenation](#), which Procter & Gamble, the creator of Crisco, had perfected after years of research and development.

From the beginning, the company’s marketers talked a lot about the marvels of hydrogenation – what they called “[the Crisco process](#)” – but avoided any mention of cottonseed. There was no law at the time mandating that food companies list ingredients, although virtually all food packages provided at least enough information to answer that most fundamental of all questions: What is it?

Crisco’s marketers were keen to avoid any mention of cottonseed in the brand’s ads. Alan and ShirBrocker Sliker Collection, MSS 314, Special Collections, Michigan State University Libraries.

In contrast, Crisco marketers offered only evasion and euphemism. Crisco was made from “100% shortening,” its marketing materials asserted, and “Crisco is Crisco, and nothing else.” Sometimes they gestured towards the plant kingdom: Crisco was “strictly vegetable,” “purely vegetable” or “absolutely all vegetable.” At their most specific, advertisements said it was made from “vegetable oil,” a relatively new phrase that Crisco helped to popularize.

But why go to all this trouble to avoid mentioning cottonseed oil if consumers were already knowingly buying it from other companies?

The truth was that cottonseed had a mixed reputation, and it was only getting worse by the time Crisco launched. A handful of unscrupulous companies were secretly using cheap cottonseed oil [to cut costly olive oil](#), so some consumers thought of it as an adulterant. Others associated cottonseed oil with soap or with its emerging industrial uses in dyes, roofing tar and explosives. Still others read [alarming headlines](#) about how cottonseed meal contained a toxic compound, even though cottonseed oil itself contained none of it.

Instead of dwelling on its problematic sole ingredient, then, Crisco’s marketers kept consumer focus trained on brand reliability and the purity of modern factory food processing.

Crisco flew off the shelves. Unlike lard, Crisco had a neutral taste. Unlike butter, Crisco could last for years on the shelf. Unlike olive oil, it had a high smoking temperature for frying. At the same time, since Crisco was the only solid shortening made entirely from plants, it was prized by Jewish consumers who followed dietary restrictions forbidding the mixing of meat and dairy in a single meal.

In just five years, Americans were annually buying [more than 60 million cans of Crisco](#), the equivalent of three cans for every family in the country. Within a generation, lard went from being a major part of American diets to an old-fashioned ingredient.

Trust the brand, not the ingredients

Today, Crisco has replaced cottonseed oil with palm, soy and canola oils. But cottonseed oil is still one of the most widely consumed edible oils in the country. It's a routine ingredient in processed foods, and it's commonplace in restaurant fryers.

Crisco would have never become a juggernaut without its aggressive advertising campaigns that stressed the purity and modernity of factory production and the reliability of the Crisco name. [In the wake of the 1906 Pure Food and Drug Act](#) – which made it illegal to adulterate or mislabel food products and boosted consumer confidence – Crisco helped convince Americans that they didn't need to understand the ingredients in processed foods, as long as those foods came from a trusted brand.

In the decades that followed Crisco's launch, other companies followed its lead, introducing products like [Spam](#), Cheetos and Froot Loops with little or no reference to their ingredients.

Early packaging for Cheetos simply advertised the snack as 'cheese flavored puffs.' [Wikimedia Commons](#)

Once ingredient labeling [was mandated](#) in the U.S. in the late 1960s, the multisyllabic ingredients in many highly processed foods may have mystified consumers. But for the most part, they kept on eating.

So if you don't find it strange to eat foods whose ingredients you don't know or understand, you have Crisco partly to thank.

Disclosure statement

Helen Zoe Veit does not work for, consult, own shares in or receive funding from any company or organization that would benefit from this article, and has disclosed no relevant affiliations beyond their academic appointment.

