

## **Journal #3872      from sdc      4.12.17**

*Tasunka Ota, Shoshone-Bannock lost, found, now*

*NM Water Is Life*

*Native Collections Digitized*

*Decolonization of Native objects in museum collections*

*Famous Book set in every state-2016*

*Great Basin Water Tour*

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*Democracy Demands Wisdom*



### **Shoshone-Bannock lost, found, now**

**April 5, 2013** ·

I was walking downtown one day here in Sioux Falls, when I saw a historical marker. It told the story of **Tasunka Ota**, age 21. On January 7th 1891, Lt. Casey went to a camp the government had deemed hostile. He was told to turn away because of the unrest and anger and distrust over Wounded Knee, which was a week earlier. Tasunka Ota killed him and after a few days he was arrested held in Deadwood, SD. He was convicted of murder by a jury in the state court but picked up by the Army and taken to Sioux Falls, SD for federal trial. When he went to trial later that spring facing execution, his pro bono attorneys asked that the soldiers of the massacre at Wounded Knee also be held accountable for their war crimes. The first jury was deadlocked, half wanted to convict him of manslaughter and the other half murder. He had the same attorneys, same judge, in his second trial. Tasunka Ota was found not guilty because his crime happened while "at war" with the government. He was set free. The government did not want to be held accountable for the massacre at Wounded Knee, so they had no choice, the Cavalry

testified for his defense. Just thought I would share his history because you never hear of him. -

Dana

[Louinda Garity](#) shared [NM Water Is Life's](#) [video](#).

Keep fighting for clean drinking water for everyone. We are so blessed this year to have lots of water. Check out this reggae video about the struggle. I see my creative writing professor from back in the day, Joy Harjo playing her sax.

[NM Water Is Life](#) with [Christopher Mike-Bidtah](#) and [8 others](#).

Innastate, Native Roots, Joy Harjo, Def-I  
Announce the New Music Video "Water  
is Life", from award winning film maker  
Echota Killsnight and the release of the  
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*"It's becoming increasingly visible that  
it's necessary to make infrastructure  
more resilient. We need to figure out  
what future you have to prepare for. We  
also suggest to take approaches that  
have no regrets – that make sense  
whatever happens."* — Marianne Fay,  
chief economist with the World Bank's  
sustainable development division and the  
co-author of a new report that [calls on  
Latin America to improve its  
infrastructure](#) to withstand the droughts  
and extreme storms associated with climate change. (Reuters)



Officials in Argentina are demanding that Barrick Gold Corporation [change operations at its Veladero gold mine](#) to prevent further leaks of cyanide solution. Three leaks have occurred in the past two years, raising concerns about the potential contamination of water supplies. *Bloomberg*

*In context: Grave economic hazards await [mining companies that fail to anticipate water risks](#).*

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from css: article about **digital collections**

<http://common-place.org/book/early-native-american-digital-collections/>

good article about **native objects in museum collections decolonization** etc

<http://common-place.org/book/antiquarian-collecting-and-the-transits-of-indigenous-material-culture-rethinking-indian-relics-and-tribal-histories/>

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[See More](#)

<http://www.businessinsider.com/famous-book-set-in-every-state-2016-4/#iowa-a-thousand-acres-by-jane-smiley-15>

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## Legislative Summaries:

### Designates October 16 as Sarah Winnemucca Day in Nevada. (BDR 19-1141)

Title: AN ACT relating to days of observance; requiring the Governor annually to proclaim October 16 to be "Sarah Winnemucca Day" in Nevada; and providing other matters properly relating thereto.

Introduction Date: Monday, March 27, 2017

Fiscal Notes: Effect on Local Government: No. Effect on the State: No.

Digest:

+ Existing law sets forth certain days of observance in this State to commemorate certain persons or occasions or to publicize information regarding certain important topics. (NRS 236.018-236.085) This bill requires the Governor annually to proclaim October 16 to be "Sarah Winnemucca Day" in the State of Nevada.

Primary Sponsor: [Assembly Committee on Government Affairs](#)

Most Recent History Action: Heard: do Pass Assembly Government Affairs on April 11

Past Hearings

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*Did not yet pass out of committee.....deadline 4.14*

<https://www.leg.state.nv.us/App/NELIS/REL/79th2017/Bill/5507/Overview> (Antiquities and National Monuments)

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*Also may not make deadline:*

<https://www.leg.state.nv.us/App/NELIS/REL/79th2017/Bill/4905/Overview> (Request for study on Colorado River)

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I'm writing today with an amazing opportunity to join PLAN and our partners on the [Great Basin Water Tour](#) - a four day road-trip departing from Reno or Las Vegas, and converging in Baker, NV for the weekend-long [Snake Valley Festival](#).

The Snake Valley is a vibrant community, the gateway to Great Basin National Park and ground zero for the [Las Vegas water grab](#), Southern Nevada Water Authority's plan to build a 300 mile-long pipeline from Las Vegas to rural eastern Nevada, to pump 58 billion gallons of water every year.

**[Register by May 1st](#)** for this amazing opportunity to learn from rural residents, local experts and Native leaders about the protection of water resources for current and future generations of people and wildlife. Visit [Great Basin Water Network](#) for more information, registration and payment details.

[The cost is \\$150 per person for tent campers and \\$250 per person](#) based on double occupancy for a motel or home rental (plus an online transaction fee). This fee includes van transportation, most lunches and lodging. A limited number of need based scholarships are available; contact us for information.

Don't miss this fun and concrete way to follow up on our efforts during the legislature and build relationships with people from across the state that will propel us toward a more sustainable future! [Register Today!](#)

Ellen Moore, PLAN, Reno [emoore@planevada.org](mailto:emoore@planevada.org)

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## **After Los Angeles Youth Sued City for Discriminatory Drilling Practices, the Oil Industry Sued Back | DeSmogBlog**

[https://www.desmogblog.com/2017/04/03/youth-color-lawsuit-los-angeles-drilling-discrimination-oil-industry?utm\\_source=dsb%20newsletter](https://www.desmogblog.com/2017/04/03/youth-color-lawsuit-los-angeles-drilling-discrimination-oil-industry?utm_source=dsb%20newsletter)

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### **LIFE IN A VILLAGE WITH NO CHILDREN**

BY SHELBY WOLFE

From [Narratively](#): After a drought devastated La Cienga, Ecuador, every working family packed up and left. Just twelve somber senior citizens linger with the ghosts of their former lives.

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Just this morning in every neighborhood across New York City, library staff changed lives. They read books to babies and toddlers, connected immigrants with citizenship services, provided internet access to those who can't afford it at home, and so much more.

Our dedicated staff members—some of whom serve your own local library—do this work and more every single day across our 92 locations, and their work fills me with pride.

**Today, on National Library Workers Day, I ask you to join me in showing appreciation for these tireless staff members and the unique services that they provide ALL New Yorkers.**

The Mayor and City Council are currently deciding how much funding to allocate to libraries next year. This funding is critical, and could keep library doors open for longer hours and on more days.

**Please take 30 seconds to send a message to City leaders, telling them how important libraries are to ALL New Yorkers.** *(Or your community library...sdc)*

This afternoon, the work continues. Our library staff will help school-age kids with reading, art, and even coding. We want kids to keep learning after school gets out—even during spring break.

Today, I thank the staff of The New York Public Library and all library workers for their service, and I thank you for supporting our team and making the work we do possible.  
Christopher Platt, Chief Branch Library Officer, The New York Public Library



Holy Frog and Big Turnips (click to enlarge)

# Annual Tamano Craft Fair

- Tamano means Spring in the Paiute Language -

**April 28-29, 2017**

34 Reservation Road

Reno, NV 89502

(Off Interstate 395, take Mill Street or Glendale Off-Ramp on Westside)

**Open 10 a.m. – 6 p.m.**

(Both Days)

Come and support our local and surrounding area  
Native Craft Vendors!

**INDIAN TACOS will be sold!**

*Vendors interested in reserving a booth space or for more information,  
contact Joanne at (775) 442-3939 or via e-mail: [tamanocraftfair@gmail.com](mailto:tamanocraftfair@gmail.com)*

First come, First serve!

- Beaded Items - Native Blankets
- Native Jewelry - Baked Goods
- Native Artwork - Handmade Quilts

Books & Music, and many one-of-a-kind items!

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## National Automobile Museum Symposium: The 1970s: Activism: Voices for Change

National Automobile Museum      10 South Lake Street      Reno | 775-333-9300  
Begins Wednesday April 26, 2017, 4 pm

The National Automobile Museum is hosting the 14th annual History Symposium with a 1970s twist. Titled The 1970s: Activism: Voices for Change, the symposium will give attendees the chance to explore the trends, news, and culture of the decade that brought us an oil crisis, The Mary Tyler Moore Show, thigh-high boots, and disco. With a lineup of esteemed national speakers, historians, authors, local scholars, and more, this is the event for history buffs in northern Nevada.

To learn more about these events and others, [please click here](#)

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## Democracy Demands Wisdom

In 1965, when President Johnson signed into law the National Foundation on the Arts and Humanities Act, he wanted people everywhere to have access to creativity and knowledge. He boldly declared that "the arts and the humanities belong to all the people of the United States," and that it is the role of the humanities to "reflect the nation's rich cultural heritage and [to foster] mutual respect for the diverse beliefs and values of all persons and groups."

At Nevada Humanities, we believe that knowledge and education are key to a just and vibrant society. The conversation programs, exhibitions, living history programs, literary events, workshops, and online K-12 education programs you experience through Nevada Humanities activate our democracy, promote healthy discourse, encourage economic development and a high quality of life, and make our vibrant Nevada history and heritage accessible for all Nevadans. We believe that the more stories we share, the stronger we become.

If you share these core beliefs, we need your help. You may have heard that the White House has proposed the elimination the National Endowment for the Humanities, and by extension Nevada Humanities. Please consider reaching out to our representatives in Congress to support Nevada Humanities. Your voice is essential to ensuring that much needed federal support continues to come to Nevada and serve our schools, libraries, nonprofits, and more. We can't do it without you. Thank you for being part of our humanities family.

Christina Barr, Executive Director

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## TESTIMONY WRAPS UP IN FIRST BUNKERVILLE STANDOFF TRIAL

Two months of testimony in the first Bunkerville standoff trial concluded Monday with a defendant's dramatic assertion that authorities sat in foxholes waiting to shoot protesters who arrived at the site where federal agents for days had been rounding up Cliven Bundy's cattle. <http://erj.reviewjournal.com/ct/uz3688753Biz322756>

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Kills Close to the Lodge

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**Dr. Sage Hiibel: Membrane-Based Water Treatment:  
From the Solar Field to the Battle Field**

April 19 @ The Basement

Networking: 2 - 3 pm, Program: 3 pm

A recent study suggested that about 66 percent of the world's population - totaling 4 billion people - lives without sufficient access to fresh water for at least one month of the year.

Let that sink in: A basic unit of life - one that most of us take for granted - often isn't available to about two-thirds of the world's population.

But local researchers are working to save lives through new technology, helping to reduce these alarming numbers.

Dr. Sage Hiibel, an Assistant Professor in the Chemical and Materials Engineering Department at the University of Nevada, Reno, is removing contaminants from water through a process called direct contact membrane distillation (DCMD).

The third Wednesday of each month is when NCET invites an expert to offer insights about technology, business or professional development during Tech Café. In April, our featured speaker will:

- Describe the low-energy process of DCMD;
- Address the advantages of this technique over other water distillation processes;



- Talk about the practical application of DCMD as it relates to providing more people with access to potable water.

So join us in The Basement. Go to the historic post office in downtown Reno, then head downstairs. Listen, learn, enter to win raffle prizes - and learn about this life-saving research.

NCET's Tech Café is open from 2 to 4 pm on Wednesday, April 19, and the program starts at 3 pm.

Oh, and by the way: It's free to attend, no RSVPs are needed, and everyone is welcome.

*(Parking is available in The Basement's lot next to the Truckee River along with lots of nearby street parking and free parking in the Cal Neva parking garage.)*

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## **Intelligent design: Autonomous Robots Lab celebrates one year**

**By Kelsey Fitzgerald** This article was published on **03.30.17**.

*In the Autonomous Robot Arena at the University of Nevada, Reno, graduate student Shehryar Khattak and Dr. Kostas Alexis conduct a test-flight with an aerial robot.*

PHOTO/KELSEY FITZGERALD

For a schedule and more details on Robotics Day, visit: [www.autonomousrobotslab.com/robotics-days.html](http://www.autonomousrobotslab.com/robotics-days.html).

**Related website:** [www.autonomousrobotslab.com/robotics-days.html](http://www.autonomousrobotslab.com/robotics-days.html)

**In ancient Greece, a bronze giant named Talos**, a gift from Zeus to Europa, is said to have kept watch over the island of Crete, traveling three times daily around its shores and hurling boulders at intruding ships. Talos, an early example of an automaton, or self-operating machine, bears little resemblance to the autonomous robots of today, which are more likely to take on the form of drones, self-driving cars or Roombas—but it does go to show that our desire for mechanized helpers is not so very new.

“It’s a very exciting field—people have envisioned these things for many, many years,” said Dr. Kostas Alexis, head of the Autonomous Robots Lab at the University of Nevada, Reno.

Alexis, who also hails from the Greek island of Crete, came to Reno in August of 2015 to work as an assistant professor for UNR’s Department of Computer Science and Engineering. Here, he began putting the pieces in place for the Autonomous Robots Lab, which is soon to celebrate a successful first year.

### **Robots at work**

The lab, which is housed in UNR’s Applied Research Facility, consists of a large workspace with work tables and computers where students can construct and program robots, and an Autonomous Robots Arena where students can conduct test-flights. Here, Alexis and a team of eight post-docs, graduate students and undergraduate researchers are working to develop intelligent robotic systems that are capable of operating in unknown environments without direction from humans. For the most part, the lab members work with aerial robots, which they are programming to complete complex tasks such as 3-D mapping of unfamiliar areas under conditions of darkness.

Potential uses for this technology are many. Among other projects, the lab is working with researchers from the Robotics Institute of Carnegie Mellon University to develop robots that can be used to inspect nuclear facilities, such as those of the Manhattan Project, where radioactive waste would pose a threat to human inspectors.

“The nuclear project has insane challenges,” Alexis said. “The environments are completely unknown. We read documents of the 1960s to understand historically what we are expecting to see. It’s radioactive,



so the robots are supposed to be affected also. We want to fuse robotic sensing with radiation sensing, which is the first time somebody is trying to do that.”

Members of the lab are also working to develop robots that can be used to map infrastructure such as tunnels and mines, detecting small changes—such as cracks in the walls—that might appear between visits.

An autonomous robot can be programmed to multiple levels of autonomy, Alexis explained. For a robot to complete advanced tasks like 3-D mapping, it first must be able to assess its surroundings—to determine where it is and what the environment looks like. Second, it must be able to navigate from one point to the next, controlling its own propellers and/or wheels without help from a human. Third, it must be able to make its own decisions about where to go and what to do in order to achieve a goal.

To map in conditions like mines and tunnels, robots must be able to operate in darkness, without the use of GPS technology for location (GPS is a satellite-based system, so not reliable in areas without a clear line-of-sight to the sky). Instead, the robots use a laser-based measurement system called Lidar and a set of two camera “eyes” to measure distances and capture images from the environment, creating detailed 3-D maps as they move.

As a robot explores a new environment, it selects its own path. But, how does the robot know where to begin?

“What we provide to the robot is a bounding box of the area we want it to explore,” Alexis said. “This bounding box becomes the mission of the robot. The robot knows that it has a certain workspace it’s supposed to operate in.”

### **Test flight**

In the Autonomous Robots Arena, graduate student Shehryar Khattak removed his shoes, walked across a checkerboard floor of pink, gray and beige mattresses, and set a small UAV—a hexicopter, with six propellers—on top of a cardboard Home Depot box.

“He will fly it manually—this is a prototype,” said Alexis.

Stepping back, Khattak flicked a switch on his remote-control, and this not-so-autonomous robot whirled to life with a roaring buzz. It lifted into the air and flew toward a moveable cardboard wall of taped-together boxes, completing a wide circle before descending back down to the floor of mattresses.

The arena, Alexis explained, is used as a testing-ground for the lab’s aerial robots. Ten infrared cameras track the positions of the robots with sub-millimeter and sub-degree accuracy, allowing researchers to test the ability of each robot to self-locate. Moveable barriers, made up of cardboard boxes, can be rearranged to create new environments for the robots to explore.

All over the room, *Star Wars* and NASA posters hang on the walls.

“They’re part of the motivation,” said Alexis.

The posters also serve as landmarks for the robots as they explore the controlled environment of the arena. In later tests, they move on to more challenging environments, such as a concrete tunnel that runs under McCarran Boulevard.

“The arena environment is easier, for example, than the tunnel,” Alexis said. “The tunnel is without a lot of features. Here, it’s in a way much easier compared to real life. It’s good for initial testing, and then we go outside and do more fancy testing.”

### **The future of robots**

There is some level of public distrust when it comes to robots, said Alexis.

“If you go to modern literature, people always have this question, are the robots going to destroy us, or are the robots going to help us?” he said. “Now that it’s evident that robots will become a reality, people ask, ‘Are the robots going to get our positions? Are we going to still be employed?’ It’s a very exciting field, not only the technical aspects, but also the social implications.”

Alexis is interested in exploring new ways to use robots, including collaborations and partnerships with those in other fields. He has spoken at a search and rescue symposium about potential uses for UAVs in search and rescue operations and is working with UNR on an autonomous transportation initiative. Last year, his lab partnered with Dr. Sudeep Chandra from the Department of Biology to design a marine robot with an underwater camera, which they used to search for algae beds in Lake Tahoe.

When society is ready, Alexis hopes that all will benefit from the work of robots.

“Hopefully we’re going to work less, and have the robots do most of the work,” he said.

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### **BLM Changes Website Banner From Green Mountains to Big Hunk of Coal**

[http://  
www.ecowatch.com/  
blm-website-coal-  
2349325685.html?  
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49c7d43dc9-  
46e3f1bcc5-85895669](http://www.ecowatch.com/blm-website-coal-2349325685.html?utm_source=EcoWatch+List&utm_campaign=46e3f1bcc5-MailChimp+Email+Blast+&utm_medium=email&utm_term=0_49c7d43dc9-46e3f1bcc5-85895669)  
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**Humans Produce So  
Much Junk, We Are  
Creating a New  
Geological Layer**

[http://www.slate.com/  
articles/technology/  
future\\_tense/2017/03\\_humans\\_are\\_creating\\_a\\_new\\_geological\\_layer\\_of\\_technofossils.html](http://www.slate.com/articles/technology/future_tense/2017/03_humans_are_creating_a_new_geological_layer_of_technofossils.html)



*An 11-year-old girl collects what can be used as food for pigs at a landfill dumpsite outside Siem Reap in Cambodia on March 19, 2015.*



Labled "Medal 1860"

Samuel American Horse and wife



Whirling Horse