

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION
**WATER RESOURCES
RESEARCH CENTER**

January 10, 2020 / Volume 8, Issue 1

The Water Resource Research Center - a research unit of the [College of Agriculture and Life Sciences](#) and an Extension unit in [UA Cooperative Extension](#) within the Division of Agriculture, Life & Veterinary Sciences & Cooperative Extension

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Commissioner Brenda Burman to Present Luncheon Keynote at WRRC 2020 Conference

We are very excited to announce that the U.S. Bureau of Reclamation Commissioner Brenda Burman will provide the luncheon keynote presentation at the UArizona Water Resources Research Center 2020 Conference, *Water at the Crossroads: The Next 40 Years*. Burman has more than 25

years of experience working on western issues. Serving as Commissioner since 2017, she led the Bureau during the development of the Drought Contingency Plans for the Colorado River Basin states. She brings a wealth of knowledge about water issues in the West and in Arizona in particular. Among her many accomplishments, she served as legislative counsel for water and energy for Senator Jon Kyl, was the Director of Water Strategy at the Salt River Project, and was the Senior Water Policy Administrator at The Nature Conservancy. Her talk, *The Colorado River and Arizona's Water Management*, will set the stage for afternoon conference panels, which will focus on future choices to ensure water resilience. Registration is open for the conference, which will be held on Friday, March 27, 2020, at the Black Canyon Conference Center (9440 N 25th Ave, Phoenix, AZ) .

- [Conference Registration](#)
- [Conference Information](#)

WRRC EVENTS

Water-Energy Interface in the Context of Air Conditioning and Some History of Electricity Generation

January 22, 2020

Speaker: Henry Johnstone, PE, President of GLHN Architects & Engineers, Inc.

Time/Location: 12:00 - 1:15 p.m., WRRC Sol Resnick Conference Room (350 N. Campbell Ave.)



The dynamic relationship between water and energy has become a national topic in recent years and is of particular interest to those in Arizona, where projections of water scarcity and changes in electrical generation are frequently reported in the media. This presentation will provide a brief overview of the sources and sinks of energy and water in Arizona and then focus on their interaction at campus or municipal district scale.

[Register for Brown Bag Webinar](#)

OTHER EVENTS

Arizona Runs on Water: A Cooperative Extension Education Series for Maricopa County

Water Challenges Facing Agriculture in Maricopa County

January 30, 2020

Speakers: Dr. Ayman Mostafa, Extension Agent/Regional Spec., UA; Jim Boyle, Owner/operator, Boyle Dairy; DeWayne Justice, Owner/operator, Justice Brothers; Ron



Rayner, Owner/operator, A Tumbling T Ranches

Time/Location: 6:00 - 7:30 p.m.
Maricopa County Cooperative Extension
4341 East Broadway Road
Phoenix, Arizona 85040

If you call Maricopa County home, come learn about the water challenges in agriculture, how growers conserve water, and how they are preparing for the Drought Contingency Plan.

Check out the [Flier](#)

WRRRC NEWS

WRRRC Director Honored by UCOWR

The Universities Council on Water Resources (UCOWR) has awarded WRRRC Director Sharon B. Megdal the 2020 Warren A. Hall Medal. The award is UCOWR's lifetime achievement award in water resources. The prestigious honor takes its name from Dr. Warren A. Hall, a water researcher and educator known the world over for his dedication to the field. "I am both humbled and honored to be named the 2020 Warren A. Hall medal winner," Director Megdal said. "I look forward to June's UCOWR Annual Conference, where I will talk about how I connect my research and teaching activities to real-world water management challenges". The medal will be awarded in recognition of her years of devotion to the advancement of water resources knowledge through education, research, and public policy.



See the award announcement [here](#)

Do You Like Water And Chocolate? You are Not Alone!

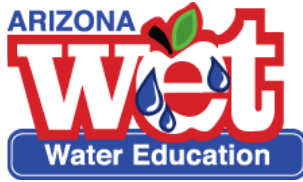
Share your favorite decadent chocolate confections while chatting about water at the WRRRC Chocolate Fest on Thursday, February 13, 2020. This year, we are adding to the tradition with the theme: Honoring the flowing Santa Cruz River. Many of us were at the June 24th celebration when Tucson Water's Heritage Project came to fruition and recycled water was released into the stream bed. Others have spent years studying the wildlife and habitat along the entire stretch of flowing river from Tucson through Marana. This has been a profound evolution for the Santa Cruz River and at the Chocolate Fest we will have a short program to share thoughts about the changing river. We will also applaud the 2019 WRRRC photo contest winners (to be announced next week). As an added bonus, don't miss your chance to create and bring chocolate treats in the flowing river theme.



Save the date!

WRRRC Chocolate Fest
Thursday, February 13, 3:30 - 5:00
WRRRC, 350 N. Campbell Ave.

Meet Lorie Cavalli - New Member of the APW Team!



"My love and appreciation for the natural land and water began as a child in Northern California when I would explore the stream behind my house, swim in Lake Berryessa, skip rocks on the San Pablo Bay, send paper boats down the Truckee River and

watch seagulls fly over the Pacific. We moved to the Iowa prairie and the great Missouri flowed through our town. Now in Flagstaff, my family and I are growing native, harvesting rainwater for our organic gardens, and building a pond and rock stream fed by rainwater to support the biodiversity of our land. We have a good well with delicious drinking water and we appreciate the snowstorms and rains that recharge our aquifer to sustain us.

I have grown an appreciation for the biodiversity of the Colorado Plateau and an understanding of our role and responsibility relating to water and water conservation. I look forward to putting my M.Ed. in Curriculum & Instruction to use bringing new environmental education and conservation programs to the Flagstaff region as part of the Arizona Project WET team."



APW

Tucson Water is Lauded for Effective Treatment of Groundwater

A mid-December article on the Water Finance & Management website applauded Tucson Water's efforts to address groundwater contaminants and effectively remove them from drinking water. The article notes that the 30 billion gallons of drinking water delivered by Tucson Water to its 700,000+ customers each year is pumped from area aquifers. The history of contaminant detection in Tucson's

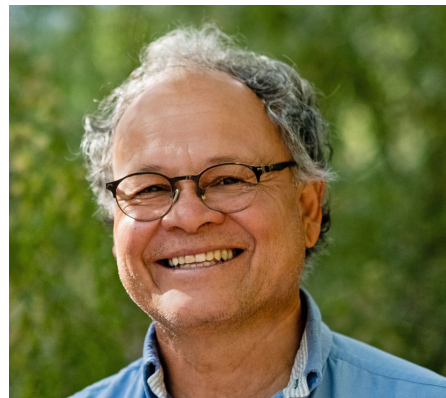
groundwater, including the discovery of TCE in groundwater near the Tucson Airport in 1981, followed by 1,4-dioxane detection in 2002 and the more recent finding of perfluorinated compounds, is reported - as are the successful measures being taken by Tucson Water to remove contaminants. Since 1994, the city has completed the remediation of 51.3 billion gallons of groundwater - a testament to the utility's focus on ensuring public health.



Full access to this [article](#)

It's a Water Rush, and We're Supplying Sustainability

Working for Water Sustainability in the Sonoran Desert was published by the "Arizona Daily Star" just before the New Year. The article, written by Mary Belle Cruz Ayala, PhD candidate, and former WRRC Graduate Research Assistant, makes clever connections between the California gold rush of the past with the "water rush" of today. The nexus between the centuries is presented through the story of Joaquín Murrieta-Saldívar, a cultural ecologist who now works for the Watershed Management Group. Murrieta-



Saldívar shares namesake with a legendary mining worker in the California gold rush who was known as the Robin Hood of the West. Although Murrieta-Saldívar does not share the same divisive legacy as his Californian namesake, one can see how the treasure hunt for natural resources has shifted throughout the centuries. Water is gold.



[Full article](#)

ANNOUNCEMENTS

- **Publication Available:** [Living River Report for the Santa Cruz River](#)
- **January 24:** [2020 Southeast Arizona Citizens Forum \(IBWC\) - Application Forms Due](#)
- **January 24:** [2020 UCOWR/NIWR Conference - Abstracts Due](#)
- **January 31:** [AWRA 2020 Topical Session - Proposals Due](#)
- **February 14:** [ADWR WMAP Groundwater Conservation Grant - Applications Due](#)
- **February 18:** [WaterReuse 2020 Symposium - Abstracts Due](#)
- **February 26 - 28:** [L&WS Climate Ready Water Management Summit - Registration Open](#)
- **March 12-13:** [Annual Law of the Colorado River Conference - Registration Open](#)
- **March 23-26:** [AWRA 2020 Spring Conference - Registration Open](#)
- **June 14 - 17:** [ACE20 - Registration Open](#)

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