

# WEEKLY WAVE



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

**January 17, 2020 / Volume 8, Issue 2**

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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## Photo Contest Winners!

The WRRC is excited to announce the winners of the 2019 Photo Contest, Arizona Runs on Water. We had a multitude of wonderful photos to choose from. Judging wasn't an easy task, but the quality of the photos made it a joyful one. The winners for each category are as follows:

- **Best in show:** [Gilles Boyer - Lone Rock on Beach - Lake Powell 2019](#)
- **Water at the Crossroads:** [Brian O'Neill - Santa Cruz River at the Crossroads - 2019](#)
- **Nature:** [Jerry Webster - Bobcat in the Santa Cruz - 2019](#)
- **People:** [Torran Anderson - Chris Yazzie Water Testing - Navajo Nation 2018](#)

All submissions can be seen on our website. The winner of Best in Show will be featured on our home page banner through 2020.

We would like to express our sincere gratitude to everyone who submitted photographs and we hope you all submit again next year!

[See all of the submissions](#)

## 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](#)

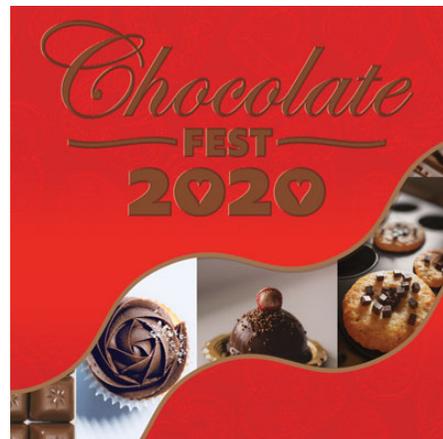
### Chocolate Fest 2020

**Feb. 13, 2020**

**Speaker:** TBA

**Time/Location:** 3:00 - 5:30 p.m., WRRC Sol Resnick Conference Room (350 N. Campbell Ave.)

This year, we are adding to the Chocolate Fest tradition with a theme: Honoring the flowing Santa Cruz River. Over the past ten years there have been profound changes in the Santa Cruz River, and at the 16th Annual Chocolate Fest we will have a short program celebrating the changing river. We will also applaud the 2019 WRRC photo contest winners.



[Share the flier](#)

## 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

Come learn about Maricopa County agriculture and its water challenges, how growers conserve water, and how they are preparing for the Drought Contingency Plan. This is the second in a series of lectures focusing on water in Maricopa County sponsored by Maricopa County Cooperative Extension and the WRRC, UArizona.

Check out the [flier](#)



## WRRC NEWS

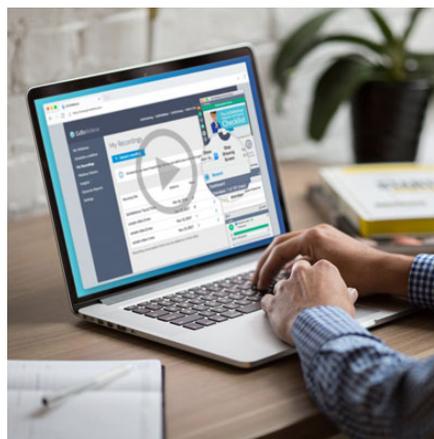
### **Get Ready! The 2020 WRRC Conference Webinar Series**

In preparation for our 2020 Annual Conference, "Water at the Crossroad: The Next 40 Years," the WRRC is hosting three webinars to provide background information for the in-depth discussions at the conference. The 2020 Conference 'Get Ready' Webinar Series will be held from noon to 1:30 PM, every second Tuesday, beginning February 4, 2020. Each webinar will focus on a different topic.

On Feb 4, the first webinar will feature Arizona Department of Water Resources Deputy Assistant Director Carol Ward and Program Manager Natalie Mast in a forward-looking discussion about the Groundwater Management Act and the Active Management Areas' 5th Management Plans. The Feb. 18 webinar will provide an update on the work of the various committees of the Governor's Water Augmentation, Innovation, and Conservation Council, and on Mar. 3, Central Arizona Project staff will discuss Colorado River water issues.

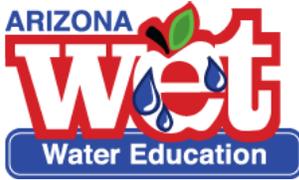
Engage in these discussions by registering for the webinars or join us in our satellite webinar location, the Sol Resnick Conference Room here at the WRRC. More information on the webinar series and our annual conference is available on our website.

Register for the webinars [here](#)  
Register for the conference [here](#)



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## High School Students Visit UArizona to Prepare for Statewide Envirothon Competition



Envirothon coach Patrice Whalen said, "You should have heard the chatter in the van on the way home!" after the 2020 Arizona Envirothon Symposium held at UArizona last Saturday. Her students were some of the 65 high school students attending



this year's symposium with their 17 coaches. The symposium is coordinated by the Environmental Sciences Department and Arizona Project WET. Dr. Martha Whitaker presented the keynote address, "Water Resources Management: Local Control and Local Solutions." Dr. David Walker shared his expertise in aquatic ecology; Dr. Michael Bogan engaged the students in thinking about food chains, webs and their connection to water; Dr. Craig Rasmussen stressed the importance of soil to water management; and Dr. Jackie Maximillian built an understanding of forest management's impacts on water quality. The afternoon ended with Dr. Tom Wilson sharing tips on the delivery of competition-winning presentations.

The symposium prepared students for the 2020 Arizona Envirothon competition being held on April 3-4, at the R-C Scout camp near Payson.

### APW

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## Learn about Seminars and Jobs on the UArizona Water Network



As a hub for water-related activities at UArizona, the Water Network website includes a full listing of water-related seminars on and off campus. These seminars are all open to the public and offer a broad range of perspectives on water. One really fun series is the [UA Science Cafe](#), which features lectures by researchers in casual public venues around Tucson. The Water Network also has a page dedicated to water-related jobs and opportunities. If you have a job, internship, or funding opportunity and would like to get the word out to graduate students and faculty at University of Arizona, you can submit it on the website [here](#).

### UA Water Network

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## Using Drones to Save Water and Money

The Glendale Star reported on an interesting and novel use of technology last week; some Arizona farmers are using drones to map their fields. Data collected by the drones, through still-image cameras, video, and thermal sensors, can be used to help the farmers track crop resource needs, predict yield, and detect disease infestations. According to Kelly Thorp at the Department of Agriculture's U.S. Arid Land Agriculture Research Center in Maricopa, if the decisions being made are based on more accurate data, farmers can be more efficient in their water use.



Read the Glendale Star article [here](#)

# ANNOUNCEMENTS

- [January 22: Science Be Dammed: How Ignoring Inconvenient Science Drained the Colorado River - Webinar](#)
- [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 12: Water Conservation & Resource InfoShare Meeting - Arizona Water History Theme](#)
- [February 14: ADWR WMAP Groundwater Conservation Grant - Applications Due](#)
- [February 18: WateReuse 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](#)

[Visit Our Website](#)