

WEEKLY WAVE



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

April 3, 2020 / Volume 8, Issue 13

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

WRRC Office Update

Although the WRRC building will be closed to the public until further notice, our staff continue to work and engage as much as possible. You can reach us via email as listed on our [Directory](#). We wish you all the best - Stay safe and healthy!

UArizona Cooperative Extension [COVID-19 info page](#)

In this issue: [Brown Bag Recap](#) / [William Lord](#) / [APW](#) / [Plumbing Protection](#)



Water Your Home

Are you working from home and contemplating the wonders of water? Beyond being very grateful for our clean tap water and our efficient wastewater systems during this stressful time, we can re-energize our moods by implementing some home water innovations and strategies. Here are a few ideas and resources to help get you started or remind you of that "water to do list" you left at the office.

[Water to do list](#)

WRRC EVENTS

Brown Bag Webinar Only - Human-Environment Dynamics in the Sonoran Desert and *Ae. aegypti*, the Vector of Dengue, Zika and Chikungunya



April 8, 2020 / 12:00pm to 1:15pm

Speakers: Kacey Ernst, *Associate Professor and Program Director of Epidemiology, Department of Epidemiology and Biostatistics, University of Arizona*

Location: Via Webinar

Aedes aegypti is an invasive mosquito that has become established throughout the urban landscapes in Arizona and Sonora, Mexico. A native of the tropics, the urban landscape facilitates its survival in the arid desert region. We conducted field collections and analyzed mosquito surveillance data to better understand the primary anthropogenic drivers of its abundance in southern Arizona and northern Mexico. Our results will provide a basis for a discussion on water use in the desert environment, how extreme heat mitigation plans may result in higher mosquito abundance, and implications for household and community water management practices.

[More Info](#)
[Webinar Registration](#)

Brown Bag Webinar Only - Student Research on Water Resource Science Monitoring and Methods



April 16, 2020 / 12:00pm to 1:15pm

Speakers:

- **Nat Bransky**, *MS Student, Environmental Sciences and Policy Program, Northern Arizona University*
- **Sean Schrag-Toso**, *MS Student, Hydrology and Atmospheric Science and Water Policy Certificate Program, University of Arizona*

- **Christopher Yazzie**, *PhD Student, Chemical and Environmental Engineering, University of Arizona*

Location: Via Webinar

Presentations:

- Monitoring Tamarix defoliation and mortality from *D. carinulata* attacks using satellite imagery in Grand Canyon National Park, Arizona, USA;
- Isotopes, geochemistry, Citizen Science and Local Partnerships as Tools to Build Upon a Fractured Understanding of the Hydrology of the Patagonia Mountains,
- and Solar Nanofiltration for Off-grid Water Purification in Navajo Nation.

[More Info](#)
[Webinar Registration](#)



Upcoming Brown Bag Webinars

- **April 29** - Marie Pearthree, Mike McGuire, Book: Tucson Water Turnaround: Crisis to Success

WRRRC NEWS

Brown Bag Webinar on Colorado River Conversations

On Wednesday, April 1, the WRRRC hosted Kathy Jacobs, Director of the UA Center for Climate Adaptation Science and Solutions and Amy McCoy, founding partner of Martin & McCoy, for an engaging Brown Bag presentation on lessons learned from their ongoing Colorado River Conversations project. Jacobs described the background and context of Colorado River management and the overarching focus of their project: preparing for extreme events using a scenario planning process, highlighting science gaps, and identifying resources necessary to guide a new phase of river management negotiations. In the second part of the presentation, McCoy focused on the project's scenario planning process. McCoy described a series of scenario planning workshops designed to understand the intersection of extreme events. One interesting part of the process was a "Nightmare Driver" exercise where participants were asked to describe what future scenario would be a nightmare for them. These scenarios were then used to develop storylines to identify impacts on river management. A future workshop will focus on developing solutions for these scenarios. The presentation overall was rich with takeaways from a process for broadening the conversations that inform management of our Colorado River system.

Amy McCoy



Katharine Jacobs



View the webinar [here](#)

In Memoriam - William Lord, Former WRRC Director

On the evening of Friday, March 27, 2020, former WRRC Director William Lord passed away. He had retired from UA and was living in Boulder, Colorado. At UA, he was a professor of Agricultural and Resource Economics and Hydrology and Water Resources (now Hydrology and Atmospheric Sciences). His research focused on water resources planning and management, municipal water supply, and water shortages. During his five-year tenure at the WRRC (1985-1990), he was responsible for creation of an important Issue Paper series, the first *Arroyo* publications, and formation of the Deans' Water Council, an effort to coordinate water-related activities across campus.

Read the memorial article [here](#)



Stay Safe with Clean Hands!

Proper handwashing is more important than ever as COVID-19 continues to spread around the world. According to the [CDC](#), handwashing is the basis of infection control. Handwashing itself might seem like a simple task, but doing it properly might be more complicated than you think! Project WET Foundation offers free, online resources to teach proper handwashing



and personal hygiene. One of these resources is the [Soap and Water Science activity](#), a step-by-step interactive lesson that explores the chemistry behind soap and water, and shows how the 20-second handwashing technique works. Project WET also offers the [Clean and Conserve Online Training](#), a suite of free online courses for educators to teach students about proper workspace hygiene habits that help reduce surface germ transmission. These programs not only emphasize the importance of hand-washing but they also highlight the importance of keeping common areas clean. These activities are recommended for 8 years old and up but you can share the message with audiences of all ages!



- [Interactive online lesson to](#) teach kids how to properly wash hands
- [Online course](#) on how to teach proper personal hygiene habits to a group or organization
- [Project WET Foundation](#) website
- [CDC Handwashing Campaign](#)

APW

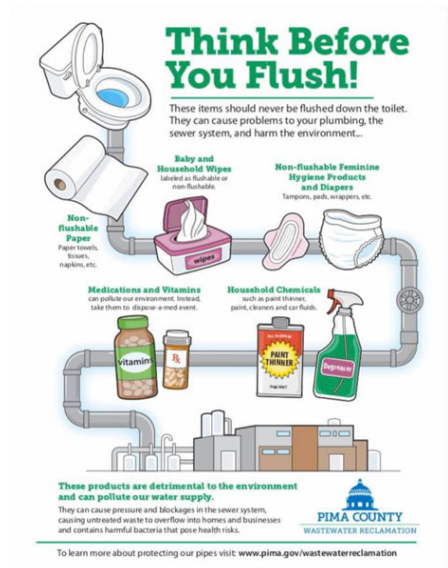
Plumbing Protection in the Time of COVID-19

In the midst of COVID-19, people are running out of toilet paper and resorting to other alternatives that could harm the sewer system. Pima County Wastewater officials say they are starting to see items that can clog pipes and the community's sewer systems. Even items that are labeled flushable or disposable can cause problems. Flushing items other than toilet paper could cost homeowners a hefty plumbing bill or even damage water pumps and end up costing taxpayers to have them repaired. Only flush toilet paper down the toilet. Throw all other items in the trash. Wastewater officials want to get the message out before there's a big problem in our community.

Here are a couple of ideas that might help conserve toilet paper and alleviate stress on Arizona's wastewater management system.

- Discard baby wipes, or other non-flushable items in a covered sanitary bin instead of flushing--change bags daily.
- Consider cutting up old t-shirts or other soft fabrics for urine cleanup, placing them in a covered sanitary bin to be washed in heavy duty detergent.

[Click here for a full list of non-flushable items](#)



ANNOUNCEMENTS



- [Awards and Scholarships - AWRA](#)
- [FEWSION COVID-19 Press Release, March 26th, 2020 - Empty shelves not an indicator of a broken supply chain: Big data maps out critical U.S. supply chains amid COVID-19 pandemic and Crisis Briefing for Media and Decision Makers](#)
- [The Climate Assessment for the Southwest, U.S. Global Change Research Program Newsletter - March 2020](#)
- [February 24-June 6 \(Various Dates\): ADWR 5th Management Plans Working Groups - Monday, April 6 meeting **CANCELED. To be Held Virtually: Various Dates Monday, April 20-Thursday, June 4**](#)
- [April 1-3: BSMAR 17 Symposium - **POSTPONED: New Dates Oct. 7-9**](#)
- [April 10: UCOWR/NIWR 2020 Annual Conference - Early Bird Registration Ends](#)
- [April 20: Water International - New Call for Early-Career Professionals - Abstract Submission Deadline](#)
- [April 27-28: 2020 National Water Policy Fly-In \(Water Week 2020\) - **CANCELED: April 2-27 - April 26th - May 2nd Water Week Continues as a Virtual Event**](#)
- [May 11-12: Ben-Gurion University of the Negev International Water Summit - Registration Open - **POSTPONED: Until Further Notice**](#)
- [May 14-15: Western Water Law Conference San Diego](#)
- [May 18: Call for nomination for IWA Women in Water Award](#)
- [May 18: AWRA Annual Water Resources Conference, Nov. 9-12 - Abstracts Due](#)
- [June 1: Central Arizona Project Award for Water Research - Abstracts Due](#)
- [June 4-5: Law Seminars International Conference - Tribal Water in the Southwest](#)
- [June 14-17: ACE20 Future So Bright - Registration Open](#)

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