

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

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The [Water Resources Research Center](#) - a research and [Extension](#) unit of the [College of Agriculture and Life Sciences](#)

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Photos, clockwise from top left: View of reception area for Cutting-Edge Solutions to Wicked Water Problems Conference; Conference co-chairs Dror Avisar and Sharon B. Megdal; Sorek Desalination Plant field trip participants; Panel at Sept. 12 WATEC conference; Central Arizona Project Board members Jennifer Brown and Mark Taylor with Sharon B. Megdal.

Photographers: Gefen Ronen Eliraz, Jennifer Brown, and Michelle Baruch

Fall 2017 AWR Features Public Policy Review

The WRRC's latest quarterly [Arizona Water Resource](#) (AWR) newsletter was sent to subscribers and posted on the WRRC's website on October 18, 2017. It contained news and information on newly available resources as well as water-inspired feature stories. WRRC Director Sharon Megdal also contributed her regular [Public Policy Review](#) column, this issue focusing on the information sharing, networking, and collaborating made possible by international conferences. The column describes a conference held in Tel Aviv, Israel, on October 10-11, 2017, titled "Cutting-Edge Solutions to Wicked Water Problems", which was co-convened by the American Water Resources Association and the Water Research Center at Tel Aviv University. Many water problems experienced in water scarce regions around the world are wickedly complex and lack single solutions. The column summarizes key insights from the conference and highlights opportunities for exchanging ideas. Director Megdal's participation in this conference, for which she served as co-chair with her Israeli colleague Dror

Avisar, as well as her involvement in WATEC 2017 Exhibition and Conference, also in Israel in October, where she moderated a panel on water scarcity, placed her ideally for commenting on the proceedings. A summary of her [WATEC panel](#) comments is linked to the AWR column.

Director Megdal has been writing her Public Policy Review columns for the AWR since 2002 and has written some 72 columns. They succinctly present her unique insights into a wide range of water policy and management issues. Many have been reprinted in other publications. All of the Public Policy Reviews are available online on the WRRC's website.

[View Public Policy Reviews](#)

WRRC EVENTS

WRRC Brown Bag - YMIDD/CAGRD Pilot Rotational Fallowing Program, Good for Business, Good Water Management



November 14, 2017

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

Speaker: Andrew Craddock, Analyst, Water Supply Program, Central Arizona Groundwater Replenishment District (CAGRD)

New development in Central Arizona must comply with Assured Water Supply Program requirements that are among the most stringent in the country. Membership in CAGRD provides one mechanism for meeting this requirement because CAGRD's Water Supply Program takes responsibility for acquiring water supplies to meet its members' replenishment obligations.



If you can't make it to the seminar on November 14, join us online [here](#).

WRRC Brown Bag - Camo, Hose Clamps, and Pixels: Arizona's Approach for Low-cost Intermittent Stream Monitoring

December 6, 2017

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

Speaker: Meghan Smart, Environmental Scientist, ADEQ



If a picture is worth a thousand words, why not extrapolate from digital pixels and use that as a low cost, continuous, and unambiguous method to study intermittent streams? Arizona's 6,000 miles of intermittent streams are understudied because they are logistically difficult to sample and because perennial streams are historically thought of as 'more important'. The Arizona Department of Environmental Quality (ADEQ) developed an intermittent stream monitoring program using time-lapse photography and a probabilistic approach to fill the large data gap.



If you can't make it to the seminar on December 6, join us online [here](#).



Check out all of our upcoming events and videos of previous events on our [website](#)

OTHER EVENTS

AZ Water Technical Seminar - Wastewater Treatment, Expect the Unexpected

November 1, 2017

Time/Location: 8:00 a.m. - 4:00 p.m. / Salt River Project PERA Club (1 East Continental Drive, Tempe)

The seminar will include a full day of informative, cutting-edge presentations and discussion from top-tier leaders in the wastewater treatment field. There will be lots of opportunities for networking and interaction among all participants and attendees are eligible for up to 6 Professional Development Hours (PDHs).

[More Information and Registration](#)



AZ Water Luncheon - Chasing Government Funding

November 2, 2017

Speaker: Kara D. Festa, PE - WestLand Resources

Time/Location: 11:30 a.m. - 1:00 p.m. / Hotel City Center (425 N. Granada, Tucson)

Kara Festa of WestLand will discuss various state and federal agencies and the funding options available to water and wastewater utilities, as well as the process, time frames, and some of the lessons learned from years of working with utilities and agencies on these types of projects.

Note that sponsorships will allow up to four students to attend this luncheon at no charge, but pre-registration is mandatory. Students interested in this opportunity are encouraged to contact [Carol Johnson](#).

[Information and Registration](#)



Tucson Audubon Society - Southeast Arizona and the Colorado River



November 3, 2017

Speaker: Jennifer Pitt, Director, Colorado River Program, National Audubon Society
Time/Location: 6:30 p.m. / REI (160 W. Wetmore Rd., Tucson)



How does western water policy impact us in Southeast Arizona? What are the implications of Minute 323, the recent United States/Mexico agreement over waters of the Colorado River? How do recent water policy decisions relate to Arizona's Drought Contingency Plan? Get the answers to these questions and more at Tucson Audubon's free public presentation by Jennifer Pitt.

[Go Directly to Registration Link](#)

NEWS

Major Waterfront Conference to be Held in Yuma

On January 26-27, 2018, the Waterfront Center and Yuma Crossing National Heritage Area will be hosting "Water: The Defining Force - Challenges for Waterfronts in the 21st Century". Waterfronts are coping with new issues such as resiliency, sea level rise, wetland restoration, and ensuring public access. The Yuma waterfront of the Colorado River faces many of these same environmental stresses and an uncertain future. If you would like to learn more about 21st century waterfront challenges and nationwide efforts to meet these challenges, this conference is for you!

2018 URBAN WATERFRONTS
The 33rd Annual International Conference on Urban Waterfront Planning, Development and Culture

[Conference Website](#)

Designers Needed for the Biosphere2 EcoDorm Living Laboratory

The EcoDorm Living Lab is a plan for retrofitting an existing building at Biosphere2 to provide unique education opportunities to students, teachers, and community members. Biosphere2 is looking for enthusiastic and engaged community members, educators, and undergraduate and graduate students to participate in a series of three workshops that will focus on developing the concepts and ideas for the building redesign. Lunch will be provided during the workshops, and transportation from the UA campus is available if needed.



For more information, please contact [Katie Morgan](#) or [Kevin Bonine](#).

[Application](#)

"I have no egrets."

A few great blue herons were sighted at the Living River Academy's visit to the Santa Cruz River, but no egrets. Teachers participating in the event also had no regrets about this engaging and enlightening experience. During





Living River Academies, teachers grapple with the question, "What is the value of the living river and is it worth protecting?" They perform a field investigation on the Santa Cruz River, analyze data provided by Pima County and the Sonoran Institute, and employ systems thinking to understand the river system. Both instructive and enjoyable, the academies inspire teachers to make distinctions, uncover relationships, and deepen their knowledge-as well as invent puns.



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This Fall Academy marks the third time that APW has partnered with Pima County Natural Resources, Parks & Recreation (NRPR) to engage teachers from the Tucson region in learning and teaching about their river. The Living River of Words field trips, offered to these teachers by Pima County NRPR and supported by APW, are a highlight of the experience. Since the first year, 45 teachers have participated in the two-day academy and they report teaching a total of 5,384 students annually in their classrooms. By combining the strengths of APW and NRPR, appreciation and understanding of the "living river" grows, benefiting everyone.

[Learn About APW](#)

State Land 101 - WRRC Brown Bag video posted



Lisa Atkins, Commissioner of the Arizona State Land Department, spoke Wednesday, October 25, at a seminar sponsored by the UA School of Natural Resources and Environment, WRRC, and USGS Arizona Water Science Center. Her talk covered the Department's history, role, activities, and innovations, with a look to the future. Since Arizona statehood, the Department has managed millions of acres of land held in trust for a list of 13 beneficiaries - largely educational institutions. The Department acts as a fiduciary for this multigenerational perpetual trust in maintaining, selling, leasing, and permitting uses of state lands. Revenues generated from these activities go into a fund, currently at \$5 billion. Since the economic downturn of 2008, the Department has had to manage their approximately 9.2 million acres of land with very limited resources. Under Commissioner Atkins, they are modernizing and streamlining processes to operate more efficiently. For example, recreation permits can now be obtained online. They are also taking steps to manage lands more strategically, taking into account the many factors affecting current and likely future value. These factors include water, and the Department plans for the use of its water assets to help achieve their mission "to enhance value and optimize economic return for the Trust beneficiaries, consistent with sound business management principles, prudent stewardship, and conservation needs supporting socio-economic goals for citizens here today and future generations."

[View Presentation](#)

Call for Papers: Journal for Contemporary Water Research and Education

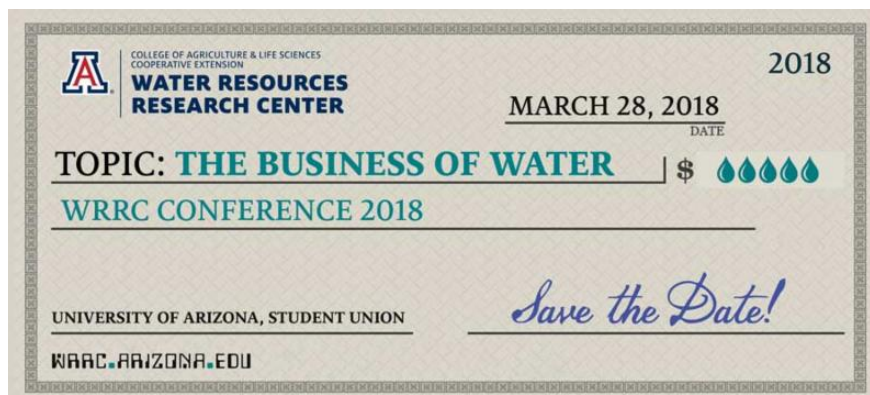
The Journal for Contemporary Water Research and Education (JCWRE) is soliciting papers for its August 2018 journal issue. The JCWRE, which is published by the Universities Council on Water Resources, disseminates original, peer-reviewed articles and comprehensive reviews on applied research, policy, education, and outreach/extension in water and watershed science and management, with international scope and an emphasis on transdisciplinary approaches and perspectives. The submittal deadline is December 15, 2017. Submissions should be sent to Jackie Crim at crimjac@siu.edu.



Articles submitted after the deadline will be considered for publication in the upcoming special issues (December 2018 and April 2019) or the next general call journal issue in August 2019. All articles are peer-reviewed. For more context on your submittal, review the author instructions and review process and take a look at past issues via Wiley Online Library.

Journal Information

ANNOUNCEMENTS



- [October 28 7th Annual Watershed Management Group Homescape Harvest Tour](#)
- [October 31 Applications Due - Heritage Fund Grants](#)
- [November 1 Last Call for Abstracts - BSMAR16](#)
- [November 3 The Future of Arizona Agriculture: 10 Years and Beyond](#)
- [November 3 Last Call for Abstracts - AZ Water 2018 Annual Conference & Exhibition](#)
- [November 15-17 2017 NWRA Annual Conference](#)
- [November 16 Registration Open - Yuma Center of Excellence 2017 Research Symposium](#)
- [March 25-28 Sustainable Water Management Conference](#)
- [WRA Job Posting - Sr. Water Policy Advisor](#)

WATER RESOURCES RESEARCH CENTER

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