

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

September 1, 2017 / Volume 5, Issue 21

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

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Welcome Back Wildcats!

Welcome Wildcats to the 2017-2018 academic year! For many, the beginning of a semester brings excitement and eagerness to start something new. On June 1, Dr. Robert C. Robbins assumed his position as the 22nd president of the University of Arizona. UA also welcomed renowned linguist and social critic, Noam Chomsky, to the faculty in the College of Social and Behavioral Sciences. On the first day of classes, August 21, roughly 40K students not only started a new semester, but also witnessed a rare solar eclipse. On a slightly smaller scale, the WRRC welcomes new and returning students for another great semester.

Photo: College of Agriculture and Life Sciences

WRRC EVENTS

WRRC Brown Bag - WaterSMART Grant Program Offerings

September 18, 2017

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

Speaker: Jessica Asbill-Case, Water Resources Program Manager, U.S. Bureau of Reclamation



The Sustain and Manage America's Resources for Tomorrow (WaterSMART) Program allows the Bureau of Reclamation to work with states, tribes, local governments, and non-governmental organizations to pursue a sustainable water supply for the nation. WaterSMART works through administration of grants and scientific studies, and provides technical assistance and scientific expertise on the efficient use of water, integrating water and energy policies to support the sustainable use of all natural resources, and coordinating the water conservation activities of the various Department of the Interior offices. This presentation will focus on the grants offered by Reclamation through the WaterSMART Program.



If you can't make it to the seminar on August 29, join us online [here](#).

WRRC Brown Bag - Water, Wastewater, and Energy Solutions for Off-grid Bedouin, Palestinian, and Jordanian Communities

October 2, 2017

Time/Location: 4:00 p.m. - 5:30 p.m. / Hillel Foundation (1245 E. 2nd Street.)

Note special time and location



Speaker: Clive Lipchin, Director, Center for Transboundary Water Management at the Arava Institute

Co-Sponsors: Center for Middle Eastern Studies, Arizona Center for Judaic Studies

The increasing strains on water resources from population growth, globalization, economic

growth, urbanization, and inequalities of, and conflicts over, shared transboundary resources, have led to an analysis of the Food-Energy-Water (FEW) Nexus and its role in development approaches for communities. The FEW Nexus concept developed because these life-sustaining sources - food, energy, and water, are inextricably linked and constitute essential human rights. Using this as a framework, a more systematic analysis of interactions between human activities and their environment can be determined, with the purpose of working towards coordinated management on local, national, and international levels. Addressing the FEW Nexus in an integrated manner is crucial in conflict zones with shared environmental resources. In arid zones especially, access to and management of FEW resources can positively impact community development. Lessons learned in the Middle East can be used in addressing challenges in other arid regions of the world such as Native American communities in Arizona and New Mexico.

Upcoming WRRC Brown Bag Seminar - Save the Dates



GRAB A LUNCH AND JOIN US THIS FALL FOR OUR BROWN BAG SEMINARS!

We'll have a full schedule of presentations on our website soon.

October 9, 2017

Speaker: Dave Wegner, U.S. House of Representatives (Ret.)

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

October 17, 2017

Speaker: Paul Brierley, Executive Director, Yuma Agricultural Center

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

October 25, 2017

Speaker: Lisa Atkins, Arizona State Land Commissioner

Time/Location: 3:00 p.m. - 4:00 p.m. / ENR2 Room S107 (1064 E. Lowell St.)

Please note special time and location.

November 14

Speaker: Perri Benemelis/Andrew Craddock, Central AZ Groundwater Replenishment District, YMIDD Pilot Following Program

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

December 6

Speaker: Meghan Smart/Bryant Dickens, ADEQ, Citizen Science Water Quality Monitoring

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



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

OTHER EVENTS

Southern Arizona Technical Luncheon Program



September 7, 2017



Time/Location: 11:30 a.m. - 1:00 p.m / Hotel Tucson
City Center 475 N. Granada, Tucson

Speaker: Daniel Quintanar, Tucson Water

Daniel Quintanar will speak on the results of Emerging Contaminants in Arizona Water : A Status Report, authored by the Advisory Panel on Emerging Contaminants (APEC), a 35-member panel of experts and lay persons convened by ADEQ, documented available information on emerging contaminants (ECs) in Arizona's water supplies, including surface water, groundwater, reclaimed water, and drinking water.

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](#)

SNRE Seminar - Transboundary Integrative Basin Planning: Master Plans for the Kidron/Elnar and the Yarqon/Eluja



September 14, 2017

Time/Location: 1:00 p.m. - 2:00 p.m. / ENR2 Rm. S107 (1064 E. Lowell St.)

Speaker: Liora Meron, Israeli Architect

In this talk, Architect Liora Meron will discuss transboundary master plans for the two basins. The master plans offer integration of eco-hydrological, environmental, planning, and social aspects into unified plans that are necessary for basins management. The plans also propose a fabric of achievable ecosystem services and highlight the significance of Israeli/Palestinian cooperation around environmental, socioeconomic and cultural issues.

AZ Water Young Professionals Happy Hour Event - Tracking Down the Roots of Our Sanitary Sewers

September 18, 2017

Time/Location: 5:30 p.m. / Borderlands Brewing Company, 119 E. Toole Ave.

Speaker: Jon C. Schladwiler, P.E.

This presentation will trace the development of sewers from 3500 BC through the early 1900s. It wasn't until the mid-1800s that people began to understand that "filth," when mixed with their water supply, resulted in disease and death. Thus began the evolutionary development of modern day sewers and a betterment of sanitary



conditions in highly populated areas. The advent of separate sanitary sewage conveyance systems was a by-product of that change.

[Register Here](#)

NEWS

Sustainability in the High Atlas Mountains of Morocco - Brown Bag Video Posted



The first Fall 2017 WRRC brown bag seminar was held on August 29th, with a presentation by Mark Apel, University of Arizona Area Extension Agent, who discussed his recent work volunteering with the High Atlas Foundation in Morocco. The High Atlas Foundation is dedicated to helping rural populations with sustainable agriculture and women's empowerment training. Mr. Apel discussed his 2016/17 volunteer efforts and the advances made in High Atlas Mountain rural communities since his Peace Corps work in the 1980s. Water resources are critical to the agricultural economy of the region and climate change impacts such as drought and flooding are having an adverse impacts. His work in the small town of Tassa Ouirgane in the southern High Atlas Mountains involved mapping river bank erosion and assessing water storage and well refurbishing needs. He co-wrote a grant to gain United Nations Environment funding so that the town will be able to construct the recommended infrastructure. He also wrote a nursery manual to guide water resource management at small farms by providing information about wells, pumps, irrigation, and watering frequency. In addition to environmental and water information, Mr. Apel discussed the importance of local women's cooperatives in creating self-sufficiency and community sustainability.

[Presentation video](#)

AZ Water Young Professionals



The Young Professionals committee of AZ Water Association is looking for students and faculty at the University of Arizona interested in joining a new AZ Water Student Chapter on campus. Under the guidance and support of AZ Water professionals and the university, the student chapter will provide students the opportunity to learn, network, and grow through professional development opportunities such as tours and guest speakers, and also to attend social, outreach, and service events. This is a great opportunity for anyone looking to learn about water or grow their career in the water industry. Contact youngprofessionals@azwater.org to learn more or to get involved!

The next Young Professionals event will be on Monday, September 18, at 5:30 P.M. They are hosting a fun lecture to learn about the history of our sanitary sewer systems. Come relax at Borderlands to wind down your Monday. Snacks will be provided.

For more details, or to RSVP, visit the event [website](#).

[Event Flier](#)

Phoenix Water Director Kathryn

Sorensen Headlines the Latest Issue of Municipal Water Leader Magazine

Kathryn Sorensen, City of Phoenix Water Services Director, is featured in the July/August issue of *Municipal Water Leader* magazine. This 10-issues-per-year hard-copy publication is published by Water Strategies LLC, a government relations, publishing, and marketing firm focusing on water and agricultural issues. In the article, Ms. Sorensen discusses the ongoing water conservation programs in Phoenix and how the City incentivizes conservation to complement its capital improvements program. Ms. Sorensen is also a member of the WRRC External Advisory Committee and as such, is a source of valuable advice on WRRC programs and plans.

[Municipal Water Leader](#) (PDF)



Meet Arizona Project WET's New Aqua STEM Team Member



"Passionate" is the word best used to describe APW's new Aqua STEM Community Coordinator, Sandra Hurlbut's feelings about water! An avid conservationist, she spends a considerable amount of time perusing and researching water

conservation and resource issues, not only in Arizona, but around the country.

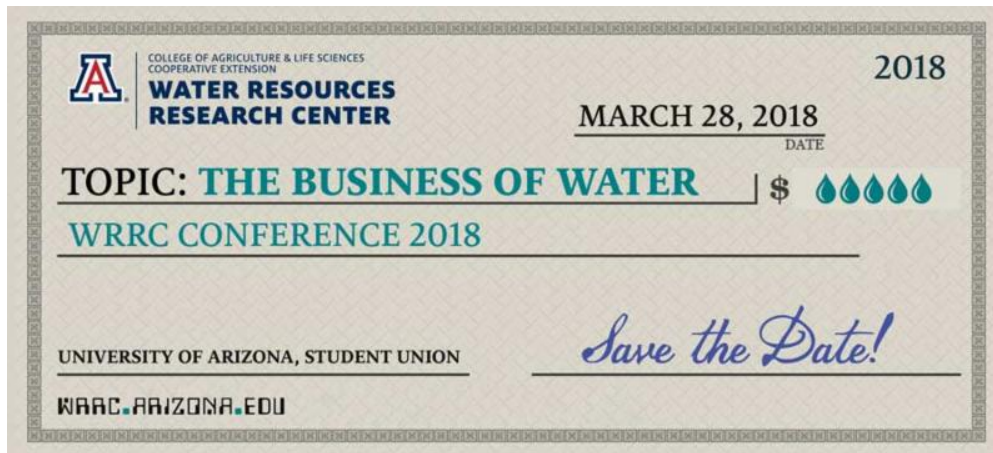


Sandra comes to APW from the Water Wise program at the Cochise County Cooperative Extension. A skilled educator, she taught Project WET based classes to K through 12 students and led the community outreach program. A large part of her Water Wise duties included offering residential and commercial site visits to encourage water efficient landscaping, rainwater harvesting, drip irrigation audits, addressing erosion issues and more.

Sandra is thrilled to be part of a team of like-minded professionals focused on making a difference in our water resources through education. She is confident this will be a great year for Aqua STEM and APW!

[Arizona Project WET](#)

ANNOUNCEMENTS



- [September 6-9 AHS 30th Annual Symposium](#)
- [September 15 Registration Ends - AzSEC - Arizona Student Energy Conference](#)
- [September 22 Gila State of the Watershed Forum](#)
- [September 22 UCOWR Call for Special Sessions - 2018 Annual Water Resources Conference](#)
- [September 22-24 Edible Urban Forests Conference, LEAF - Tucson COG](#)
- [October 2-3 7th National Meeting in Climate Change \(NW Mexico\)](#)
- [September 14 WaterSmart Innovator Discounted Group Hotel Rate Ends.](#)
- [October 10 Colorado River for Arizona Conference](#)
- [November 1 Call for Abstracts - BSMAR16](#)
- [Funding Opportunities BARD - the US-Israel Binational Agricultural Research and Development Fund](#)
- [NEW RELEASE: GIS data for Holocene mapping: San Pedro & Verde River](#)

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