

WEEKLY WAVE



COLLEGE OF AGRICULTURE & LIFE SCIENCES
COOPERATIVE EXTENSION

**WATER RESOURCES
RESEARCH CENTER**

September 2, 2016 / Volume 4, Issue 25

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



WRRC Associate Director Jean McLain Returns to Burma for US-AID Project

For two weeks in August, Jean McLain traveled to Yangon, Burma to continue her work on a US-AID funded project, "Developing a Sustainable Seafood Industry Infrastructure in Myanmar (Burma)." This 3-year project, a partnership between the UA and Yangon and Patheingyi Universities in Myanmar, and

the Myanmar Fisheries Federation, endeavors to work with a wide diversity of groups, from local fishermen to university researchers, to aid the country in developing the capacity to produce seafood with sustainable methods and using modern seafood safety testing techniques to build export capabilities.

With Project Director Dr. Kevin Fitzsimmons, McLain has worked for nearly two years assembling a modern seafood safety testing laboratory at Yangon University. The August travel focused on delivering training in aquaculture and laboratory techniques to 80 teachers from 44 different universities in Burma.

For more information on this project, click [here](#)

**WRRC 2017
CONFERENCE**

MARCH 28

EVENTS

SWES Colloquium - The Power of Art to Exemplify Cultural Meaning and Conflict in Underrepresented Communities

September 12, 2016

Time/Location: 3:00 - 4:00 p.m. / Marley Building Room 230 (1145 E. 4 St.)

Speaker: Ellen McMahon, Ph.D., Professor, UA School of Art

Ellen McMahon teaches interdisciplinary seminars and critique courses in the Studio Graduate Program as well as the seminar, "Critical Issues in Design" and several illustration courses in the Visual Communications Division.



**Soil, Water and
Environmental Science**
COLLEGE OF AGRICULTURE AND LIFE SCIENCES

Brown Bag Seminar - Groundwater Modeling's Role in Strategic Water Resources Management Planning for Clarkdale, Arizona

September 21, 2016

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

Speaker: Laurel Lacher, Ph.D., Owner/Principal Lacher Hydrological Consulting

Dr. Lacher's research and professional interests center on groundwater-surface water interactions. Balancing human needs for potable water with protection of fragile stream systems has become her key professional purpose.



Brown Bag Seminar - Dam Removal and River Restoration of the Elwha River, Washington: Lessons learned five years into the project



October 6, 2016

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

Speaker: Chris Magirl, Ph.D., Studies Chief, U.S. Geological Survey

With over 20 years of experience researching hydrology and fluid mechanics for both government and industry, Dr. Magirl has worked on fluvial geomorphology, sediment transport, and river ecology issues throughout the western U.S. Before joining the USGS, Dr. Magirl was an R&D project manager and engineer for Hewlett-Packard. He has published over 50 peer-reviewed articles on geomorphology, hydrology, and engineering, and holds 6 patents.

Seminar - Thirst for Power: Energy, Water & Human Survival

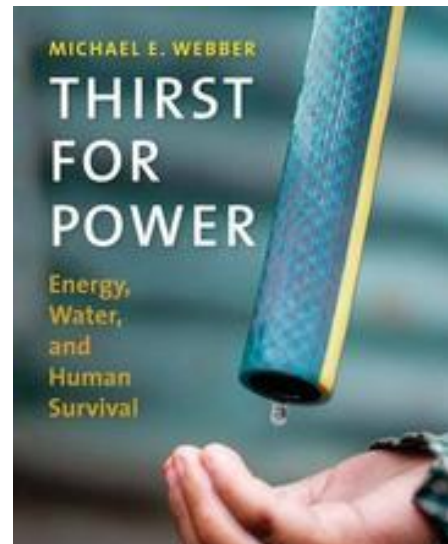
November 15, 2016

Time/Location: 4:00 p.m. James E. Rogers College of Law, Room 168.

Speaker: Michael E. Webber, Ph.D.

Dr. Webber, a leader and teacher in the field of energy development and resources, explains how energy and water supplies are linked and how problems in either can be crippling for the other.

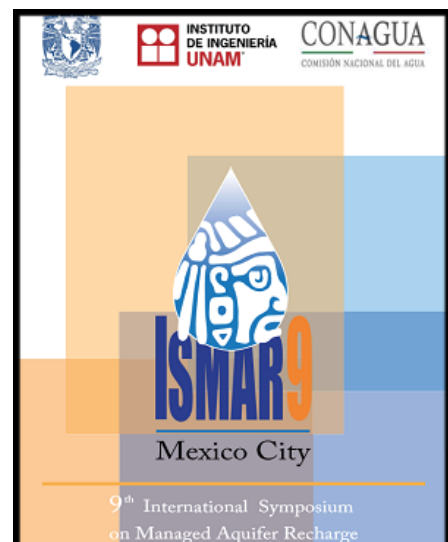
The UA Bookstore will host a book signing in the College of Law's courtyard following this event.



NEWS

ISMAR9 Issues Call to Action

Increasing demands for water and degradation of surface water quality have heightened the importance groundwater as key for sustainability of water supply and food security. The 9th International Symposium on Managed Aquifer Recharge (ISMAR9) held in Mexico City in June, 2016, generated six policy directives for sustainable groundwater management, Calling on decision-makers and the public to take action to maintain the quantity and quality of groundwater resources, These policy directives include recognition of the value of groundwater around the globe and the need to manage the resource sustainability, halting depletion of aquifers and promoting Managed Aquifer Recharge. The directives also recognized that collaboration with stakeholders and the community is vital.



WRRRC Director, Sharon B. Megdal, contributed to this Call to Action.



To view the complete Call to Action click [here](#)

"Beyond the Mirage" Expands to National Audience

The documentary, "Beyond the Mirage: The Future of Water in the West", by Cody Sheehy, will be broadcast on approximately 80 American Public Television stations nationwide in the coming months, including stations in Albuquerque, Denver, Los Angeles, Miami, Oklahoma City, Philadelphia, and Seattle. The documentary was created as part of the "Beyond the Mirage" project, a collaboration of the University of Arizona, College of Agriculture and Life Sciences, the Water Resources Research Center, and Arizona Public Media. This three-part project, which aims to raise awareness and understanding about the water supplies, demands, and challenges of the Western United States, features an interactive web experience, a documentary, and K-12 classroom activities. Find out the locations of "Beyond the Mirage" documentary broadcasts by going to BeyondtheMirage.org.



Join the "Beyond the Mirage" movement [here](#), create your own documentary and share it with others

Read more about the "Beyond the Mirage" project [here](#)

The Haury Program Call for Grants

The Agnese Nelms Haury Program in Environment and Social Justice will release its Fall Call for Grants on September 6, 2016. Mrs. Haury was a philanthropist with a passion to invest in innovative scholarships pertaining to causes in environment, social justice, and the southwest United States. During her lifetime she supported a wide range of people and organizations, and that support has continued since her death in March 2014 at the age of 90. Applicants interested in any of the four grant opportunities: Challenge Grants, Seed Grants, Visiting Fellowships, and Discretionary Funds should plan on attending the information session specific to the type of grant.



Information on the grants and their information sessions can be found [here](#)

Next Generation of Water Educators Grapple with Big Questions

How do you facilitate learning? What happens when students question and explore to discover answers? Eleven Arizona Project WET (APW) educators, including university students and AmeriCorps members,





concentrated on these questions during a training last Saturday, August 27. They are preparing for a new school year with the Tucson Education Program sponsored by Tucson Water. They will learn through the next month to engage learners in discovery through the use of models, simulations, and project-based learning. Lessons teach about the groundwater system, the water cycle, watershed management, water conservation through the use of technology, and Sweetwater Wetlands. Last year, Tucson educators engaged 10,052 K-12 students from 154 schools in hands-on learning about our precious resource, water.



Discover more information about the School Water Audit Program [here](#).

Northwest Basin Planning Area Meeting Announcement



In accordance with Governor Ducey's Water Initiative, the Arizona Department of Water Resources (ADWR) will hold a public meeting on September 8, 2016, in Kingman, Arizona, to examine water resource demands and challenges for the Northwest Basin. One in a series of public meetings with stakeholders held across the state, the meeting aims to clarify issues relating to imbalances between supply and demand. Information gathered at these meetings will be used to develop strategies and generate solutions that Arizonans can implement to meet future water demands.

For more information regarding this meeting, please contact John Riggins at jrriggins@azwater.gov or (602)771-4782.

Agendas for this and previous meetings are available [here](#)

Information regarding the Governor's Water Initiative is available [here](#)

2016 Arizona Hydrological Society (AHS) Symposium

There is still time to register for the 29th Annual AHS Symposium being held September 14-17 at Casino del Sol Resort in Tucson, Arizona. AHS is also still soliciting posters. All water-related topics are welcome, especially those pertaining to the theme of Arizona's preparedness for future water supply challenges.



For more information on how to register, click [here](#)

Research Insights in Semiarid Ecosystems (RISE) Symposium and Poster Contest

On Saturday, October 8, 2016 the 13th Annual RISE Symposium will feature invited speakers and posters presenting recent research on outdoor laboratories including, the USDA-ARS Walnut Gulch Experimental Watershed and the UA Santa Rita Experimental Range. Students and researchers are encouraged to report on completed or in-process studies. Cash prizes are offered for the best student posters that present work conducted in or used data from WGEW or SRER. Submission deadline for poster presentation is 22 September 2016.

For more information on posters, click [here](#)

To register for the conference click [here](#)

Call for Proposals for November 2016 Conference Poster Session

The Food and Water in Arid Lands: Dialogues across Contemporary and Traditional Knowledge Conference is now accepting submissions of poster proposals until September 23. Proposals should align with the goals of the Conference, encouraging dialogues to address the changes in the environment, weather patterns, water resources, and food systems and security.

For more information on the Conference click [here](#)

WATER RESOURCES RESEARCH CENTER

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