

Issue LII - January 17, 2017

THE CURRENT

AN ENEWSLETTER OF THE CSU WATER CENTER

Colorado State University



FEATURE

Thirsty Land Film Screening

Lakes are shrinking. Wells are running dry. Millions of acres of fertile farmland have been fallowed. The water crisis in the American West is one of the most urgent challenges of the 21st century facing agriculture and growing urban communities.

THIRSTY LAND

Will there be enough **WATER** to survive?

Wednesday, February 8, 2017

Reception and Meet & Greet with Producer: 5:30 PM

Film Screening: 6:30 PM

Audience Q&A: 7:30 PM

Hosted by



**CSU Lory Student Center Theater
FREE AND OPEN TO ALL!**

**WATER CENTER
COLORADO STATE UNIVERSITY**

February 8, 2017 | Reception 5:30 pm | Screening 6:30 pm | LSC Theater

The CSU Water Center is hosting a screening of *Thirsty Land*, a film about extreme drought, agriculture, and the water crisis in the Western United States and how these challenges impact farmers, communities, and the environment. A reception with the film's producer will be held before the screening. This event is free and open to the public.

Click [here](#) for the event poster. Click [here](#) to watch the movie trailer.

HIGHLIGHTS

Call for Abstracts - UCOWR/NIWR Annual Conference

Submission Deadline: January 20, 2017 | Conference Dates: June 13-15, 2017

The theme of this conference is "Water in a Changing Environment." Gaps in projected water supply and demand, water quality and reuse issues, increased food and energy needs, and a changing climate bring water resources to center stage, not only in the Western U.S., but across the continent and around the world. The conference will seek to develop trans-disciplinary and disciplinary solutions to complex water problems and explore bridges between science and policy.

The CSU Water Center and the Colorado Water Institute will be offering a limited number of waived registrations for students who present a paper at the conference. Students must be enrolled in one of Colorado's institutions of higher education. Please email Melissa Pind at ucowr@siu.edu for more information.

Click [here](#) for more information about the conference.



Dr. Bill Burgos Lecture - "Record of shale gas wastewater disposal in Conemaugh River Lake sediments"

January 30, 2017 | 4:00 - 5:00 pm | Lory Student Center, Room 304-306

This seminar will discuss a study that evaluated the impact of surface water disposal of oil and gas wastewater from centralized waste treatment plants upstream of the Conemaugh River Lake in western PA and the potential risks to drinking water and to the ecosystem services provided by this water source. Dr. Bill Burgos is a professor in the Department of Civil and Environmental Engineering at Penn State University. This event is free and all are welcome to attend.

Click [here](#) for the event poster.



4th Annual Poudre River Forum

February 3, 2017 | Greeley, CO

This annual celebration of the Poudre River convenes the wide diversity of those who care about the river to learn more about it and collaborate on the goal of a healthy, working river. The CSU Water Center will sponsor a limited number of student registrations.

Click [here](#) for more information.



LOCAL AND REGIONAL EVENTS

Call for Abstracts - Front Range Student Ecology Symposium

Submission Deadline: January 20, 2017 | Symposium Dates: February 22-23, 2017

At FRSES, students from multiple disciplines share posters and oral presentations about their current or proposed ecological research. The symposium is modeled after a professional society meeting and will also include guest speakers, networking and socializing opportunities, a photo contest and an awards reception with prizes.

Click [here](#) for more information. Click [here](#) to submit your abstract.

Colorado Water Congress Annual Convention

January 25-27, 2017 | Hyatt Regency Denver Tech Center | Denver, CO

The Colorado Water Congress Annual Convention is the premier water industry event in the state, attracting 500+ attendees that convene for networking and collaboration on the important water issues of the day. The CSU Water Tables event will be held in conjunction with this convention. See "Scholarships" section below for information about scholarships to attend the convention.

Click [here](#) for more information.

Water Tables 2017

January 26, 2017 | Hyatt Regency Denver Tech Center | Denver, CO

This year's theme is "Refilling the Leadership Reservoir." Western water issues have long benefited from bold leaders taking great risks, bringing forth innovative solutions, and committing to creative collaborations. Ongoing political, environmental, and educational challenges require a steady flow of able individuals to keep the leadership reservoir topped off. Join the CSU Morgan Library Water Resources Archive for an evening of stimulating dinner conversation led by established and emerging water professionals widely recognized for their excellent leadership qualities. This event is held in conjunction with the Colorado Water Congress Annual Convention.

Click [here](#) for more information.

Annual Tamarisk Coalition Conference

February 7-9, 2017 | Hilton | Fort Collins, CO

Featuring a keynote presentation from Clint Evans, State Conservationist with the USDA Natural Resources Conservation Service, the conference will expand upon last year's topics with the theme: "The Future is Now: Forward-Thinking Restoration, Planning, and Adaptation."

Click [here](#) for more information.

Fort Collins Audubon Society Hosts Dr. Kurt Fausch

February 9, 2017 | 7:00 pm | Fort Collins Senior Center | 1200 Raintree Dr.

Dr. Kurt Fausch, professor and author of *For the Love of Rivers*, will be speaking at the Fort Collins Senior Center. This event is free and open to the public.

Click [here](#) for the event flyer.

Governor's Forum on Colorado Agriculture

February 22, 2017 | Denver, CO

This innovative and informative program will bring together producers, consumers, experts and other ag stakeholders to peel back the polarizing rhetoric often found in today's society. The Forum will focus on the powerful history of collaboration and cooperation that has made agriculture in the state of Colorado the second largest driver of our economy.

Click [here](#) for more information.

Hydrology Days 2017

March 20-22, 2017 | Colorado State University

The CSU Water Center will again be sponsoring a limited number of student registrations for Hydrology Days. Scholarships will be available on a first come, first served basis. The deadline to register is Friday, March 10. Scholarships include attendance at all of the technical sessions, exhibits, lunches and breaks, as well as a copy of the proceedings.

To register, email the following information to Emilie Abbott at Emilie.Abbott@colostate.edu:

- Name
- CSU Department
- Student Status (BS/BA, MS/MA, PhD)
- Mailing Address
- Phone
- Email

Click [here](#) for more information about Hydrology Days.

Save the Date: Dr. Kurt Fausch Retirement Celebration

April 7, 2017 | Lory Student Center

Please join a celebration at the CSU Lory Student Center to commemorate Dr. Kurt Fausch's 35 years of teaching, research, and service! Festivities will include a symposium, a seminar by Dr. Fausch, and dinner. RSVP to Kevin Bestgen at kbestgen@colostate.edu.

Click [here](#) for the event flyer.

NATIONAL AND INTERNATIONAL EVENTS

77th Midwest Fish & Wildlife Conference

February 5-8, 2017 | Lincoln, NE

This annual event will attract over 800 biologists and students from state, federal, and tribal natural resources agencies from the Midwest, Great Plains, Rocky Mountains and Canadian provinces. Highlights include: over 400 technical presentations, poster displays, plenary sessions, networking opportunities and social events.

Click [here](#) for more information.

AWWA/WEF Young Professionals Summit

February 6-7, 2017 | Tampa, FL

The Young Professionals Summit is the premier water and wastewater industry professional development workshop for young professionals. Participants can attend the Utility Management Conference (Feb. 7-10) at a discounted rate.

Click [here](#) for more information.

Utility Management Conference

February 7-10, 2017 | Tampa, FL

Utility managers and executives, public works directors, human resource professionals and many others attend the Utility Management Conference to share their experiences and learn from others in similar situations as they respond to the most pressing management issues of the day.

Click [here](#) for more information.

Membrane Technology Conference & Exposition

February 13-17, 2017 | Long Beach, CA

Join AWWA and AMTA to explore how the latest developments in membrane technology can enhance water reliability and quality. Each year the conference reveals new directions in water and wastewater treatment technologies, desalting, and membrane bioreactor applications.

Click [here](#) for more information.

Call for Abstracts - 4th International Conference on Water and Society

Conference Dates: June 5-7, 2017 | Seville, Spain

This meeting will encourage trans-disciplinary communication on issues related to the nature of water and its use and exploitation by society. The conference is motivated by the need to bridge the gap between the broad spectrum of social political sciences and humanistic disciplines and specialists in physical sciences, biology, environmental sciences and health, among others.

Click [here](#) for more information.

GRANTS AND FELLOWSHIPS

SoGES Global Challenges Research Teams and Resident Fellows

Application Deadline: January 27, 2017

The School of Global Environmental Sustainability (SoGES) seeks proposals that address pressing global and regional environmental sustainability grand challenges, are highly innovative and enterprising in their approach, and are applicable to real-world sustainability issues. Both programs are open to all CSU faculty.

Click [here](#) for more information about the Global Challenges Research Teams program.
Click [here](#) for more information about the Resident Fellows program.

P3 Awards: A National Student Design Competition for Sustainability

Closing Date: February 3, 2017

As part of its People, Prosperity and the Planet (P3) Award Program, the U.S. EPA is seeking applications proposing to research, develop, and design solutions to real world challenges involving sustainability. The P3 Award Program was developed to foster progress toward sustainability by achieving the mutual goals of improved quality of life, economic prosperity and protection of the planet.

Click [here](#) for more information.

2017 USDA ThinkWater Fellowship

Application Deadline: February 17, 2017

The 2017 USDA ThinkWater Fellowship is designed to develop the systems thinking capacity of professionals in water education, extension, and outreach from strategic states, regions, and American Indian nations across the country. We are seeking professionals who work in positions that would allow them to plan and implement education and outreach programs to teach systems thinking to audiences working on or concerned with water.

Click [here](#) for more information.

USAID - India Partnerships Program

Closing Date: March 31, 2017

The India Partnerships Program supports testing, adoption and scaling of creative or innovative solutions to meet development challenges in the areas of health, food security, clean energy, gender equality, female empowerment, maternal and child health, prevention and treatment of infectious diseases, affordable health care, water and sanitation access, early grade reading, promotion of clean and renewable energy, forestry, food security, triangular cooperation, gender and financial inclusion.

Click [here](#) for more information.

NSF - Hydrologic Sciences

Proposals accepted anytime.

The Hydrologic Sciences Program focuses on the fluxes of water in the environment that constitute the water cycle as well as the mass and energy transport function of the water cycle. The Program supports the study of processes from rainfall to runoff to infiltration and streamflow; evaporation and transpiration; the flow of water in soils and aquifers; and the transport of suspended, dissolved, and colloidal components.

Click [here](#) for more information.

Colorado Watershed Assembly List of Funding Opportunities

The Colorado Watershed Assembly maintains a list of governmental and non-government funding sources for restoration projects and organizational capacity building.

Click [here](#) for more information.

EMPLOYMENT OPPORTUNITIES

Research Project Manager

The Robert B. Daugherty Water for Food Global Institute (WFI) at the University of Nebraska is seeking a research project manager to work with the Director of Research and collaborate with other directors and staff of the WFI, in the execution of research and technical transfer projects, preparation of reports and communication efforts. The ideal candidate will possess program and project management skills with the research knowledge and aptitude to ensure projects are progressing on established timelines and protocols.

Click [here](#) for more information.

Student Jobs and Internships

The CSU Water Center maintains a job board of student positions located in Colorado. Many subject areas are featured through this service including: ecology, economics, engineering, fish and wildlife, natural resources, and the social and natural sciences.

Click [here](#) to explore the job board.

SCHOLARSHIPS

North American Weather Modification Council (NAWMC) Scholarship

Application Deadline: February 22, 2017

Students interested in the field of weather modification and studying science or engineering at an accredited institution are eligible to apply for this scholarship. In addition to the \$2,000 cash award, the successful applicant is eligible for travel reimbursement to attend a meeting of the NAWMC during the award year.

Click [here](#) for more information.

EDUCATION

Distinguished Ecologist Seminar Series

The Distinguished Ecologist Series brings internationally-known scientists to CSU for two days to present their cutting-edge research and to interact with students and faculty in a number of formal and informal settings. The seminars are hosted by CSU's Graduate Degree Program in Ecology (GDPE).

Click [here](#) for more information.

Marine Ecotourism Summer Course

Application Deadline: February 15, 2017

While living aboard a 57-foot Sailing Vessel you will explore key issues in the sustainable development of marine ecotourism in the Abaco Islands near Marsh Harbor, Bahamas. Learn about coral reef ecology and local Bahamian cultures and their interactions with the sea, nature conservation and tourism development.

Click [here](#) for more information.

The GREEN Program Study Abroad in Peru: Water Resource Management and Sustainable Practices

This program explores Peru's historical technologies for water initiatives and resource management and allows participants to dive into Peruvian culture and education. Focused on community and engagement, students participate in developing sustainable implementations with a local elementary school, go on adventure excursions, and build global awareness. Peru is the ideal destination for students passionate about the mission toward global water stewardship and sustainability solutions.

Click [here](#) for more information.

Sustainable Water Interdisciplinary Minor (SWIM)

The purpose of this minor is to offer undergraduate students an opportunity to gain a deeper knowledge of the many dimensions of water management. Students will take 21 credits in core and elective courses. This minor is open to any major.

Click [here](#) for more information and to download the course checklist.



If there is magic on this planet, it is contained in water ~Loren Eiseley

SUSTAINABLE WATER INTERDISCIPLINARY MINOR

CSU's Sustainable Water Interdisciplinary Minor (SWIM) offers undergraduate students, regardless of their major, an opportunity to gain a deeper knowledge of the many dimensions of water management. By taking advantage of the outstanding water expertise available at CSU, students can better prepare themselves for careers in water management or graduate study in a water-related area.

CSU WATER CENTER

in partnership with  OFFICE OF GLOBAL ENVIRONMENTAL SUSTAINABILITY
Colorado State University

SWIM
21 credits required
minimum of 12 upper-division (300-400 level) courses

For further information, please visit www.watercenter.colostate.edu

MISCELLANEOUS

Clean River Design Challenge

Registration Deadline: February 1, 2017

Each year volunteers with the Greenway Foundation remove 2,400 lbs of trash from the South Platte River. Now, they are challenging themselves and others to do even more with the Clean River Design Challenge. This competition challenges teams of college students to create a functional trash removal device. The winning teams will be awarded \$2000!

Click [here](#) for more information.

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