

Issue LIII - February 7, 2017

# THE CURRENT

AN ENEWSLETTER OF THE CSU WATER CENTER

Colorado State University



## FEATURE

### Tomorrow! - 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

### World Water Day Speaker - Eleanor Allen

*March 22, 2017*

In honor of World Water Day, the CSU Water Center will be hosting Eleanor Allen, CEO of [Water for People](#), to speak on "Keeping Water Flowing for Generations to Come." The talk will cover water issues from a global perspective and how they link to local issues in Colorado.

Prior to joining Water For People, Eleanor was the Global Director of Water at Arcadis and the Latin America Director of Water at CH2M. She is a professional engineer experienced in leading multi-cultural, global teams in delivering rural and urban infrastructure programs and managing regional and global operations.



Stay tuned for more details about this event in upcoming newsletters!

## LOCAL AND REGIONAL EVENTS

### 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.

### **Front Range Student Ecology Symposium**

*February 22-23, 2017 | Lory Student Center*

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.

### **Rio Grande Basin Ag Producers' Water Future Workshop**

*February 28, 2017 | 10:00 am - 2:00 pm | Alamosa, CO*

This workshop will consist of brief, highly focused presentations and panel dialogue discussing Colorado's Water Plan in the context of agriculture, followed by opportunity for Ag producers to ask questions and engage in dialogue about what they see as opportunities and barriers.

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

### **Hydrology Days 2017**

*March 20-22, 2017 | Colorado State University*

This year marks the 37th Annual American Geophysical Union Hydrology Days. Hydrology Days has been held on the CSU campus since 1981 and brings together scientists, professionals, and students involved in basic and applied research on all aspects of water to share ideas, problems, and solutions.

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](mailto:kbestgen@colostate.edu).

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

## **NATIONAL AND INTERNATIONAL EVENTS**

### **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.

### **Sustainable Water Management Conference**

*March 19-22, 2017 | New Orleans, LA*

Presenting solutions for balancing the benefits of conservation with the costs, managing water resources, sustainable utilities and infrastructure, urban planning and design, energy efficiency, water conservation, stormwater and reuse.

Click [here](#) for more information.

### **International Symposium on Inorganics**

*March 21-22, 2017 | Detroit, MI*

The 2017 International Symposium on Inorganics encompasses a combination of technical presentations and in-depth discussions on the critical matters related to inorganic contaminants in water. Attendees will gain insights into the current and emerging issues related to inorganic contaminants, including sources and occurrence, monitoring and treatment, regulatory landscape, potential health issues, and best practices for managing these contaminants and communicating their risks.

Click [here](#) for more information.

### **Water for Food Global Conference**

*April 10-12, 2017 | Lincoln, NE*

This three-day event will bring together experts from around the world to discuss "Water for Food Security: From Local Lessons to Global Impacts," addressing the common aspects of this global challenge in different contexts and scales. Together with our partners in academia, non-profit organizations, government agencies and private industry, we'll share best practices, innovations and lessons learned that can help improve water and food productivity.

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.

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## **GRANTS AND FELLOWSHIPS**

### **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.

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## **EMPLOYMENT OPPORTUNITIES**

### **CSU Water Center Student Intern**

The CSU Water Center is looking for an energetic student to assist with the Center's activities and increase its presence throughout the CSU community. This position offers an excellent opportunity to help support on/off campus water activities, projects, and research, network with faculty and staff, and be part of the university's water community.

Click [here](#) for the complete job announcement.

### **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.

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## **SCHOLARSHIPS**

### **Irrigation Foundation Scholarship**

*Application Deadline: February 15, 2017*

The Irrigation Foundation Scholarship Program was established to develop and administer an awards program to promote the study and careers in the irrigation field. The scholarships (ranging from \$1,000 to \$2,500) will be awarded based on the student's letter of intent, financial need, reference letters, resume and transcript.

Click [here](#) for more information.

### **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.

### **WEF Canham Graduate Studies Scholarship**

*Application Deadline: March 1, 2017*

This scholarship provides \$25,000 for a post-baccalaureate student in the water environment field and is to be used for education-related expenses such as room and board, tuition, and books. Applicants must be members of the Water Environment Federation.

Click [here](#) for more information.

### **Soil and Water Conservation Scholarship**

*Final Application Deadline: April 12, 2017 (see website for nomination deadlines)*

This Soil and Water Conservation Scholarship is meant to encourage current students to consider a career in soil and water conservation. The scholarship is sponsored by the Soil Science Society of America.

Click [here](#) for more information.

### **AWRA Richard A. Herbert Memorial Scholarship**

*Application Deadline: April 22, 2017*

Each applicant must be a national AWRA member. At least one \$2,000 scholarship will be awarded to a full-time undergraduate student working toward his/her first undergraduate degree

and who is enrolled in a program related to water resources for the 2017-2018 academic year. At least one \$2,000 scholarship will also be awarded to a full-time graduate student enrolled in a program relating to water resources for the 2017-2018 academic year.

Click [here](#) for more information.

### **2017 Harlan Erker Memorial Scholarship**

*Application Deadline: May 26, 2017*

The Colorado Ground Water Association is offering one or more scholarships to graduate students and senior undergraduates (as of fall 2017) currently attending an accredited college or university in Colorado. Research topics must involve some aspect of ground water science or engineering.

Click [here](#) for more information.

### **RMWEA Tony Campman Scholarship**

*Application Deadline: June 15, 2017*

The Rocky Mountain Water Environment Association established the Tony Campman Scholarship to encourage students who wish to pursue higher education in the water environment field by providing a scholarship at their college or university.

Click [here](#) for more information.

### **Rocky Mountain Water Quality Analysts Association Scholarship**

*Application Deadline: July 31, 2017*

The RMWQAA offers a \$1,000 scholarship to students pursuing an education and career in the Water Quality field. RMWQAA provides a forum for networking, sponsors training and educational opportunities, and maintains a system of certification and professional development for laboratory analysts and others in the water quality field.

Click [here](#) for more information.

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## **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  SOUTH GLOBAL ENVIRONMENTAL SUSTAINABILITY  
ColoState University

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

**For further information, please visit [www.watercenter.colostate.edu](http://www.watercenter.colostate.edu)**

## MISCELLANEOUS

### Survey on Water Sector in Colorado

*Survey Deadline: March 15, 2017*

Where do we begin to understand the water sector in Colorado? What does the water market even look like? What are the gaps and opportunities across the water sector? How do we even begin to coordinate the water sector ecosystem now and in the future? These are just a few of the questions that need to be answered as we move forward to address the wicked water problems facing Colorado. In order to tackle these problems, understand gaps and assess opportunities, the Nexus program of the Open Water Foundation (OWF) is conducting a survey to complete a statewide "Inventory of Assets." This first-of-its-kind in Colorado project hopes to connect the dots around the region and between the sectors at the intersection of water innovation. The goal is to identify regional strengths, create working definitions, engage stakeholders, and build coalitions around survey-identified priority areas. This survey asks what we believe to be critical questions before we proceed in forming an organized water innovation coalition to support Colorado's water sector. Because this sector is potentially facing unmeasurable significant change soon, it is very important that your feedback is received before the deadline.

Click [here](#) to take the survey.