

Issue LVI - April 11, 2017

THE CURRENT

AN ENEWSLETTER OF THE CSU WATER CENTER

Colorado State University



FEATURE

Earth Week Celebration at CSU



Earth Week Festival: April 21, 2017 | 10:00 am - 2:00 pm | LSC West Sculpture Garden

All are welcome to this free and public festival that showcases booths from campus and community organizations dedicated to supporting a sustainable community. Recyclemania trophies will be awarded at 12 p.m. Live music by The 14ers!

Click [here](#) for more information and other Earth Week events.

HIGHLIGHTS

Is the Poudre River Ecologically Sustainable? What Does 'The Science' Say?

April 26, 2017 | 6:30 pm | Behavioral Sciences A101

This science-based discussion about the Poudre River's ecological health will feature speakers from several CSU departments and Colorado agencies. The event is free and open to all. Hosted by the CSU Water Center.

Click [here](#) for more information.

Is the Poudre River Ecologically Sustainable? What Does 'The Science' Say?

A science-based discussion about the Poudre River's ecological health under current and proposed water management schemes



Dan Baker, Instructor, CSU Dept. of Civil and Environmental Engineering



Kevin Bestgen, Research Scientist, CSU Dept. of Fish, Wildlife, and Conservation Biology



Mark Easter, Ecologist, CSU Natural Resource Ecology Laboratory and Chair, Save The Poudre



Ken Kehmeier, Senior Aquatic Biologist, Colorado Parks and Wildlife



Jen Shanahan, Watershed Planner, City of Fort Collins Natural Areas



Moderated by **LeRoy Poff**, River Ecologist and Professor, CSU Dept. of Biology



LOCAL AND REGIONAL EVENTS

CFWE Webinar - Cyanotoxins, Nutrients, and Public Health

April 13, 2017 | 9:00-10:00 am

Join the Colorado Foundation for Water Education in partnership with Colorado Water Congress for a webinar on cyanotoxins and algal blooms--how they're affected by nutrients and nonpoint source pollution, and how Coloradans in rural and urban areas alike are working to address these threats to our water quality and public health.

Click [here](#) to register.

Permanent Stormwater BMP Inspection and Maintenance Workshop

April 19-20, 2017 (Lakewood, CO) | June 6-7, 2017 (Erie, CO)

This workshop is designed to educate participants about the importance of proper permanent (water quality) BMP inspection and maintenance, appropriate methods for ensuring BMPs remain in compliance with stormwater regulations and corrective actions when BMPs are found to be in violation. This Colorado-specific training gives participants all the necessary skills to properly inspect and maintain permanent stormwater BMPs.

Click [here](#) for more information.

Environmental Justice in the Anthropocene Symposium

April 24-25, 2017 | Lory Student Center

This symposium aims to bring together academics (faculty and graduate students), independent researchers, community and movement activists, and regulatory and policy practitioners from across disciplines, research areas, perspectives, and different countries. Our overarching goal is to build on several decades of EJ research and practice to address the seemingly intractable environmental and ecological problems of this unfolding era. How can we explore EJ amongst humans and between nature and humans, within and across generations, in an age when humans dominate the landscape? How can we better understand collective human dominance without obscuring continuing power differentials and inequities within and between human societies? What institutional and governance innovations can we adopt to address existing challenges and to promote just transitions and futures?

Click [here](#) for more information.

CFWE 2017 President's Reception

May 12, 2017 | 6:00 pm | Denver Art Museum

CFWE invites you to join them for their annual awards event and fundraiser. Enjoy a fun-filled evening in celebration of water education and water leadership in Colorado.

Help honor the 2017 award recipients:
Eric Kuhn, Colorado River District, Diane Hoppe Leadership Award
Drew Beckwith, Western Resource Advocates, Emerging Leader Award

Click [here](#) for more information.

NATIONAL AND INTERNATIONAL EVENTS

Call for Abstracts - 2017 AWRA International Conference

Submission Deadline: April 17, 2017 | Conference Dates: September 10-11, 2017

The focus of this two-day conference, being held at Tel Aviv University, is to present scientific results and to demonstrate real-world experiences on innovative research about and workable solutions to various global water problems. Both local and international participants will benefit from this conference's dialogue on developing ways to address and avoid water crises due to an imbalance between water supply and demand, changing climate, population growth, urbanization, water scarcity, and water quality problems.

Click [here](#) for more information.

2017 AWRA Spring Conference: Aquatic System Connectivity

April 30 - May 2, 2017 | Snowbird Ski and Summer Resort, UT

Over the last several decades, researchers have recognized the importance of ecological, hydrological and biogeochemical connections among individual aquatic systems. This conference will explore hydrological, geochemical, and biological connectivity between and among various aquatic systems and characterize emergent effects of this connectivity across space and time. It will also address the policy, legal, economic, regulatory, societal and related aspects of connectivity.

Click [here](#) for more information.

Call for Abstracts - 2017 AWRA Annual Water Resources Conference

Submission Deadline: May 8, 2017 | Conference Dates: November 5-7, 2017

Today, our nation is facing challenges that encompass deteriorating infrastructure, climate change, drinking water quality, environmental alteration, endangered species, and water conflicts, among others. Scientific rigor and substantive discourse are values that are being dismissed and ridiculed at the national level. What does this mean for our precious water resources - and their protection, governance, management, and sustainable use? What role will our water resources community play?

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

RFP - Warner College of Natural Resources McIntire-Stennis Program

Closing Date: April 14, 2017

Research conducted under McIntire-Stennis is intended to assist states in carrying out a program

of forestry research targeting critical areas of forestry research, including:

- 1) Ecological restoration;
- 2) Catastrophe management;
- 3) Valuing and trading ecological services;
- 4) Energy conservation, biomass energy and bio-based materials development;
- 5) Forest fragmentation;
- 6) Carbon sequestration and climate change; and
- 7) Ways of fostering healthy forests and a globally competitive forest resources sector.

Click [here](#) for more information.

Agriculture and Food Research Initiative - Water for Food Production Systems Challenge

Closing Date: August 2, 2017

The long-term goal of this program is to sustainably increase agricultural productivity and availability of safe and nutritious food while significantly reducing water use and preserving water quality. The projects are expected to transform how abundant, safe, and nutritious food is produced, processed, distributed, and consumed within the limits of available water from traditional and non-traditional sources.

Click [here](#) for more information.

PhD Research Opportunities - Water in China

Deadline to Express Interest: September 1, 2017

The School of Geography at the University of Melbourne is seeking PhD candidates to conduct research in two areas: the spilling over of China's water management onto its international neighbors such as Mongolia and the countries of South-east Asia, and China's South-North Water Transfer project. The School is offering scholarships and generous field work and conference-attendance grants to appropriate candidates who are interested in writing PhD theses on these topics.

Click [here](#) for the water management program description. Click [here](#) for the South-North Water Transfer program description.

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

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

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 Special District Association Scholarship

Application Deadline: April 28, 2017

To be eligible for the SDA Scholarship, the applicant must be a current resident of Colorado, express an interest in the water industry (Water and Sanitation Services, Water Quality Management, etc.) and be pursuing or planning to pursue for example, a certificate, license preparation courses, license upgrade, continuing education courses, an Associate's Degree or a Bachelor's degree.

Click [here](#) for more information.

Upper Yampa Water Conservancy District John Fetcher Scholarship

Application Deadline: May 15, 2017

The scholarship provides financial assistance to a committed and talented student who is pursuing a water-related career in any major at a public university within the state of Colorado. Preference will be given to students who are residents or former residents of Northwest Colorado, desire a career related to water resources, or have shown academic interest in the Yampa River or Colorado River Basin.

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.

2017 WaterReuse Colorado Student Scholarship

Application Deadline: May 31, 2017

The purpose of the scholarships is to support students with a focus on water reuse, water reclamation, and/or desalination.

Click [here](#) for more information.

Four States Irrigation Council Scholarship

Application Deadline: June 9, 2017

This one-year scholarship will be awarded to a qualified student interested in a career in irrigation or water related fields and currently enrolled at an accredited University or College in the state of Colorado, Kansas, Nebraska, or Wyoming.

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.

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.

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 **SCHOOL 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

Dr. Pete Taylor Co-Editor of New Issue of *Society & Natural Resources*

Sociologists Peter Leigh Taylor (Sociology, CSU) and David A. Sonnenfeld (Environmental Studies, SUNY College of Environmental Science and Forestry) are editors of a newly published symposium on "Water Crises and Institutions: Governance Challenges in an Era of Uncertainty." This interdisciplinary collection, in *Society & Natural Resources* Vol. 30, No. 4 (April 2017), critically examines the relationship between water

crises and governance in the face of unprecedented global challenges to provide water for growing human demand and environmental needs.

Click [here](#) to access the special issue.

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