

Issue XXXVIII - February 9, 2016



THE CURRENT

AN ENEWSLETTER OF THE CSU WATER CENTER



FEATURE

Distinguished Lecturer - Mike Connor

Dr. Norm Evans Endowed Lecture Series

Distinguished Guest Speaker:

**MIKE
CONNOR**

Deputy Secretary
of the U.S. Department of Interior and
Former Commissioner of the
U.S. Bureau of Reclamation

*Reflections on Eight Years as the
Water Leader for the
U.S. Department of the Interior*



March 9, 2016 | 6:00-8:00 pm | Lory Student Center Theatre

As Deputy Secretary, Michael L. Connor is the second highest ranking official at the U.S. Department of the Interior. Connor is a key leader in implementing the Administration's priorities for the Department of the Interior, including water policy and

relations in the face of an unprecedented Western drought, as well as serving as the head of the Department's Land Buy-Back Program, the land consolidation component of the Cobell Settlement. Connor has more than two decades of experience in the public sector, having served as the Commissioner of the Bureau of Reclamation from 2009 to 2014, where he led efforts to promote the sustainable use of water to effectively address current and future challenges associated with water supply and power generation in the American West. As Commissioner, he forged major Indian water rights settlements and worked to resolve water conflicts in California, New Mexico, Oregon and other western states.

Please join the Colorado Water Institute and the CSU Water Center for this special event.

Click [here](#) to download the poster.

HIGHLIGHTS

Call for Proposals Now Open! - 2016-2017 CSU Water Center Grants

Application Deadline: March 28, 2016

The CSU Water Center seeks proposals for the 2016-2017 grants program. Proposals may be submitted in three categories: Multi-Disciplinary Research/Proposal Teams, Faculty Fellows, and Water Symposium/Workshop.

Click [here](#) for more information.

36th Annual American Geophysical Union Hydrology Days

March 21-23, 2016 | Colorado State University | Fort Collins, CO

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. Registration includes attendance at all of the technical sessions, exhibits, keynote lunches, breaks, as well as a copy of the proceedings.

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

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.



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

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

LOCAL AND REGIONAL EVENTS

CFWE Spring 2016 Water Fluency - Northern Front Range

Application Deadline: February 12, 2016

Water Fluency is a professional development course that helps participants understand water and lead with confidence. The course consists of site visits, four half-day in-person classroom discussions, and online material. A limited number of partial scholarships are available.

Click [here](#) for more information.

25th Annual Governor's Forum on Colorado Agriculture

February 18, 2016 | Renaissance Hotel | Denver, CO

Governor John Hickenlooper and the Colorado Agricultural Leadership Program, in conjunction with the Colorado Department of Agriculture and Colorado State University are proud to present the 25th annual Governor's Forum on Colorado Agriculture. The forum will explore relevant industry issues and provide insight into potential outcomes and solutions to help ensure the future success of Colorado's agricultural industry.

Click [here](#) for more information.

Colorado Water, Sanitation, & Hygiene Symposium

March 1-2, 2016 | University of Colorado | Boulder, CO

The intent of the Colorado WASH Symposium is to provide a platform for sharing and expanding knowledge in the field of water, sanitation, and hygiene in the context of development. The symposium brings together leaders and WASH practitioners in social enterprises, the private sector, NGOs, academia, and development agencies.

Click [here](#) for more information.

CFWE Climate and Colorado's Water Future Workshop

March 11, 2016 | 8:30 am - 4:30 pm | Boulder, CO

Hear from regional and world-renowned experts about Colorado's climate - exploring climate, hydrology, water supply planning, and more. Learn how the state is preparing for an uncertain water future and come away with tools to better teach, communicate, and take action to conserve water in the face of climate change.

Click [here](#) for more information.

NATIONAL AND INTERNATIONAL EVENTS

Call for Abstracts - Water Microbiology Conference 2016

Submission Deadline: February 24, 2016 | Conference Dates: May 17-19, 2016

This conference creates a forum for researchers and practitioners focused on microbiology and public health issues to come together around the intersection of the two. The focus will be on water microbiology from watershed to human exposure including current concerns in recreational waters, shellfish harvesting waters, emerging technologies and quantitative tools.

Click [here](#) for more information.

The AWWA-WEF Utility Management Conference

February 24-27, 2016 | San Diego, CA

Over the past 27 years, members of AWWA and WEF have established The Utility Management Conference as one of the leading, most informative, and most prestigious management conferences available. Come prepared to share your experiences and learn from others in similar situations as we respond to the most pressing management issues of the day.

Click [here](#) for more information.

Call for Abstracts - Water Quality Technology Conference & Exposition

Submission Deadline: February 25, 2016 | Conference Dates: November 13-17, 2016

This established and highly regarded conference provides a practical forum for a wide range of water technology professionals to exchange the latest research and information.

Click [here](#) for more information.

Call for Proposals - International Trout Congress

Submission Deadline: March 1, 2016 | Congress Dates: October 2-6, 2016

This congress will look at trout from a variety of aspects; the socioeconomic contributions of trout world wide, the role of trout in education and how teachers use trout and their habitats to raise environmental awareness, the art and literature that surround the world of trout, and the science of trout.

Click [here](#) for more information.

Sustainable Water Management Conference

March 7-10, 2016 | Providence, RI

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.

Business of Water Summit 2016

March 30-31, 2016 | Phoenix, AZ

Please join Protect the Flows, Change the Course, and senior executives from leading companies, water & power utilities and dignitaries for the third Business of Water summit.

Click [here](#) for more information.

Save the Date - XXVII Latin American Congress of Hydraulics

September 26-30, 2016 | Lima, Peru

This is one of the most important and largest gatherings in water and environmental management in Latin America. It is sponsored by the International Association for Hydro-Environment Engineering and Research (IAHR), and organized by the Asociación Peruana de Ingeniería Hidráulica y Ambiental, and key local universities. The congress reports on water management advances in the region, and reveals new directions in hydraulics, hydrology,

riverine, costal and estuary geomorphology, water infrastructure, environmental management, water education among other topics.

Click [here](#) for more information.

GRANTS AND FELLOWSHIPS

NSF Research Experience for Undergraduates - Stream Restoration

Application Deadline: February 15, 2016

The Oklahoma Water Resources Center hosts an NSF-REU in Stillwater, Oklahoma on stream restoration/rehabilitation. The REU pays for student housing, meals, research supplies, travel to a future conference, and also provides a stipend during the 10-week summer program.

Click [here](#) for more information.

Water Resources Research National Competitive Grants Program

Application Deadline: February 25, 2016

The USGS and NIWR request proposals for matching grants to support research on the topic of improving and enhancing the nation's water supply, including evaluation of innovative approaches to water treatment, infrastructure design, retrofitting, maintenance, management, and replacement; exploration and advancement of our understanding of changes in the quantity and quality of water resources in response to a changing climate, population shifts, and land use changes; development of methods for better estimation of water supply, both surface and groundwater, including estimation of the physical supply and of the economic supply of water; development and evaluation of processes and governance mechanisms for integrated surface/ground water management; and the evaluation and assessment of conservation practices.

Click [here](#) for more information.

Bergen Summer Research School 2016: Water, Climate and Society

Application Deadline: March 1, 2016 | Program Dates: June 13-24, 2016

This program, hosted at the University of Bergen in Norway, is intended for PhD students and junior researchers. Seven parallel courses will span disciplines from the natural, health and social sciences to the humanities.

Click [here](#) for more information.

RISE Summer Internship Program

Application Deadline: March 10, 2016 | Program Dates: June 5 - August 4, 2016

The Department of Civil, Construction, and Environmental Engineering at NC State University is organizing the RISE (Research Internship Summer Experience) program in Summer 2016. The program is open to current undergraduate students in the upper classes as well as master's students who are interested in doctoral studies. The program will be hosted on the NC State campus in Raleigh, NC.

Click [here](#) for more information.

National Priorities: Impacts of Water Conservation on Water Quality in Premise Plumbing and Water Distribution Systems

Application Deadline: March 17, 2016

EPA is issuing this Request for Applications (RFA) to fund research into issues of water quality and availability related to distribution systems and premise plumbing systems under lower-flow conditions.

Click [here](#) for more information.

Innovations at the Nexus of Food, Energy and Water Systems (INFEWS)

Application Deadline: March 22, 2016

The overarching goal of INFEWS is to catalyze the well-integrated interdisciplinary research efforts to transform scientific understanding of the FEW nexus in order to improve system function and management, address system stress, increase resilience, and ensure sustainability.

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.

EMPLOYMENT OPPORTUNITIES

Database and Web Developer, Research Associate III

Application Deadline: February 15, 2016

The Colorado Natural Heritage Program (CNHP) of Colorado State University seeks up to two Database and Web Developers to design and support natural resource-based databases for CNHP clients, assist in the administration and maintenance of existing online databases, and work closely with others at CNHP to develop data products and improve data services.

Click [here](#) for more information.

Stormwater Program Manager

Application Deadline: February 18, 2016

Boulder County Public Health is currently accepting applications for the position of Stormwater Quality Program Manager. This position coordinates and manages Boulder County's Stormwater Quality Program to meet federal, state, and local regulatory requirements.

Click [here](#) for more information.

Project Manager - Department of Soil & Crop Sciences

Application Deadline: February 19, 2016 (for full consideration)

Seeking a highly motivated and organized individual to manage an interdisciplinary and multi-institutional research and extension project that studies groundwater resources in the Ogallala Aquifer Region.

Click [here](#) for more information.

Floodplain Specialist

Application Deadline: February 29, 2016

The Boulder County Transportation Department is seeking a qualified individual to provide floodplain planning, mapping, and permitting assistance for Boulder County's Floodplain Program. This position has been created in order to respond to needs resulting from the September 2013 flooding events in Boulder County.

Click [here](#) for more information.

Senior Program Officer, Colorado River Initiative

The Walton Family Foundation is seeking a skilled and experienced individual to lead its Colorado River Initiative. The Senior Program Officer will help manage a small team and a diverse portfolio of national, regional, state, and local-based grantees that are working to create a flexible market-based water management system, rewarding efficiency, and restoring targeted flows and riparian habitat in the basin.

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 Scholarship

Application Deadline: February 22, 2016

Students interested in the field of weather modification and studying science or engineering at an accredited institution are eligible to apply for this scholarship.

Click [here](#) for more information.

Melville H. Cohee Student Leader Conservation Scholarship

Application Deadline: February 29, 2016

This scholarship honors student members of the Soil and Water Conservation Society who succeed as leaders in their studies, volunteerism, and work.

Click [here](#) for more information.

WEF Canham Graduate Studies Scholarship

Application Deadline: March 1, 2016

This scholarship provides \$25,000 for a post-baccalaureate student in the water environment field. The scholarship is for education related expenses such as room and board, tuition and books.

Click [here](#) for more information.

Richard A. Herbert Memorial Scholarship

Application Deadline: April 22, 2016

This scholarship honors Richard A. Herbert, a champion for water resources education. Multiple scholarships are available for undergraduate and graduate students.

Click [here](#) for more information.

CGWA Harlan Erker Memorial Scholarship

Application Deadline: May 13, 2016

The Colorado Ground Water Association is offering one or more scholarships to graduate students or senior undergraduates who are doing research in groundwater topics.

Click [here](#) for more information.

Four States Irrigation Council Scholarship

Application Deadline: May 31, 2016

The Four States Irrigation Council announces the availability of a \$2,000 one-year scholarship for 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.

MISCELLANEOUS

Marine Ecotourism Summer Study Abroad Course

Application Deadline: February 15, 2016 (rolling admissions)

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.

Report on Tamarisk Beetle from Water Center at Colorado Mesa University

In January 2015, the Tamarisk Coalition convened a panel of experts to discuss and present information on probable ecological trajectories in the face of widespread beetle presence and to consider opportunities for restoration and management of riparian systems in the Colorado River Basin. An in-depth description of the panel discussion is contained in this report.

Click [here](#) to read the complete report.

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