

News & Notes...



Northern Branch January Fort Collins Meeting to be on Halligan Reservoir Enlargement

The Colorado Section ASCE Northern Branch will be hosting **Joe Bergquist**, PE, from ECI, and **Dennis Bode**, PE, of the City of Fort Collins, who will be speaking on the **Halligan Reservoir Enlargement Feasibility Study** completed in 2002 and the City's future water storage needs. The presentation, covering the options studied for the Halligan site and the challenges to securing additional water storage, will be given during the Thursday, January 9, 2003, meeting at the Holiday Inn, Holidome, I-25 and Mulberry (3836 E. Mulberry St.), Fort Collins. The meeting is open to the public. Social hour begins at 6:15 PM. Dinner is \$17 payable at the door and starts at 6:45 PM. The program is free and will start at 7:45 PM. Please RSVP to Jim Brady (via either email to jbrady@kumarusa.com or phone to 970-416-9045 leaving a message with the secretary) at Kumar & Associates by January 7, 2003. For more information, please contact Joe Bergquist at 303-773-1058.

Younger Members Group to Have a January Kickoff Party

Join the Younger Member Group for our 3rd annual Kickoff Party! The celebration will be at **CB & Potts in the Tech Center on Thursday, January 23rd**, in the **Mt. Evans Room from 5:30–7:30 PM**. We will provide free pool games and appetizers for all attendees. The intent is to invite our existing and future members to celebrate and introduce the 2003 YMG activities. Please spread the word in your office and invite young engineers that are looking to build their networking skills and friendships within the civil engineering community. We look forward to seeing you there and starting off the new year with a bash! Please view the YMG monthly newsletter for more details at

www.ASCEcoloradoYMG.org/Newsletter.htm.

Upcoming Section Meetings

Be sure to put these upcoming Colorado Section meeting dates on your calendar now:

February 20, 2003
Thursday, March 20, 2003
Thursday, April 17, 2003 (Tentative)
Thursday, May 15, 2003



Colorado Section 2002-2003 Leadership Roster

PRESIDENT: 720-286-5762	Jeff Benson jbenson@ch2m.com
VICE PRESIDENT: 970-498-5724	Roxann Hayes rhayes@larimer.org
SECRETARY: 303-858-8008	John Gormley gormleyjt@msn.com
TREASURER: 303-832-9091	John Valsecchi valsecchi@pbworld.com
IMMEDIATE PAST PRESIDENT: 303-277-6620	Mike Glade mike.glade@coors.com
ENVIRONMENTAL TECHNICAL GROUP Co-CHAIRS:	
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STRUCTURAL TECHNICAL GROUP CHAIR: 303-390-5861	Taka Kimura kimura@pbworld.com
TRANSPORTATION TECHNICAL GROUP Co-CHAIRS:	
303-721-1440	Tom Anzia tom.anzia@fhueng.com
303-480-6746	Jeff May jmay@drcog.org
WATER RESOURCES TECHNICAL GROUP CHAIR: 303-806-8952	Rick Parsons rparsons@bbawater.com

Committee Chairs

Awards	(Vacant)	
Constitution/By-Laws	Vaughan Griffiths	303-273-3669
History & Heritage	Dick Wiltshire	303-445-3042
Government & Public Affairs	Steve Fisher	303-312-8849
Membership	Edward Stafford	720-898-7740
Nominating	Mike Glade	303-277-6620

Special Contacts

150 th Anniversary	John Gormley	303-858-8008
ASCE District 16 Representative	Stein Sture	303-492-7651
CEC Representative	Chuck Mcknight	303-986-1444
Life Member Forum	David Day	303-694-2948
	Kurt Gerstle	303-492-6383
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Web Master	James Gill	303-697-2655
Younger Members Group Chair	Jaryd Takushi	303-390-5861

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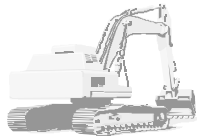
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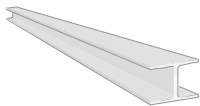
Section Web Page: <http://sections.asce.org/colorado>

Geotechnical Group Meeting



Warren Harrison, PE, WLH Construction, will be discussing **Micro Soil Nails and other methods of ground support**. For urban shoring in tight construction sites we have used soil nails with shotcrete for temporary shoring. This practice evolved from misuse of shotcrete as a sole support medium. After some failures, soil nails were added and some mining support methods used to support vertical openings up to 20 feet in depth. Other support schemes include grouting with micro-fine cement, use of spiling and cantilever piles.

Structural Group Meeting



Andy Beck, Licensed Architect, National Park Service (NPS), Denver Service Center, will make a presentation titled **“Thinking About Architecture and Design.”** Andy will discuss the use of materials, their fitting into the environment, sustainability, rustic architecture, log, stone and stucco construction, cold weather design, and historic preservation and restoration. Failure and success will be shown side by side with lots of structural issues and their relationships to historic preservation. The NPS Denver Service Center manages many of America’s most important cultural resources. This group prepares preliminary designs and analyses, produces contract documents, and provides support to parks and regional offices.



Transportation Group Meeting

Frederick Busch, Director of Planning and Noise, Denver International Airport, will discuss the **impacts of the current difficulties of the commercial air transportation industry on Denver International Airport**. Some major capital development projects are proceeding while other projects are being deferred as DIA works to prioritize and make prudent decisions on project implementation during this period of uncertainty. Mr. Busch will explain how the nation’s fifth busiest airport is approaching this process and the likely results.



Joint Water Resources & Environmental Group Meeting

John Moore, Ph.D., Adjunct Professor, Metropolitan State College, Denver, USEPA Hydrogeologist, Retired, US Geological Survey, and Past President of the International Association of Hydrogeologists and of the American Institute of Hydrology, will give a presentation on **Denver Basin Bedrock Aquifers—Past, Present and Future**.

Groundwater in the United States is being increasingly developed for irrigation and municipal supplies. Under natural conditions groundwater moves from areas of recharge to areas of discharge to springs, lakes, streams, wetlands or to the ocean. In most cases, equilibrium exists and long-term recharge of groundwater is balanced by long-term discharge. When discharge exceeds recharge, water is released from storage and water levels fall. Groundwater mining occurs when there is the deliberate or inadvertent extraction of groundwater at a rate so in excess of replenishment that groundwater levels decline persistently, threatening exhaustion of the supply or at least a decline of pumping levels to uneconomic depths.

The bedrock aquifers in the Denver Basin have supplied groundwater to the Denver area for more than 100 years. The US Geological Survey has noted that groundwater availability is a significant issue in almost every state, including Colorado (USGS, 1984). A large portion of the rapidly growing Denver metropolitan area depends heavily on groundwater produced from the Denver Basin bedrock aquifers. In addition to other areas along the Front Range, about 70 percent of the 220,000 residents in the southern metro area obtain water from these aquifers. Water is being withdrawn at a rate that exceeds recharge and has resulted in groundwater mining. The stratigraphy of the basin is complex and heterogeneous, which makes it difficult to predict how the aquifers will respond to increased usage. The use of groundwater from the bedrock aquifers has caused water level declines and reduced saturated thickness. Water levels have declined as much as 12 meters (40 feet) per year in some areas. In most of the metropolitan area the artesian head will be eliminated within the next 10 years.

This presentation will focus on the increased use of groundwater and water level declines that have alarmed water districts, government agencies and water users due to the increased cost for water and depletion of the supply.

**Colorado Section ASCE Newsletter
Goes Electronic
Starting In February 2003**



At its November 2002 meeting, the Executive Committee decided that, starting in February 2003, this newsletter will be distributed electronically to all Section members. The Section is doing this as part of its efforts to reduce expenses and to provide information to its members in a timely, quick, convenient and user-friendly method. The Executive Committee's intent is to keep the local section dues as low as possible while continuing to provide the services Section members desire.

Members now will receive an email message each month a meeting is held (September through June) with meeting information and a link to the newsletter in Adobe Acrobat Format on the Section web site at <http://sections.asce.org/colorado>. Members who do not have an email address on file with the Section and who either have paid local section dues or are Life Members will continue to receive the newsletter by standard postal delivery.

YOU MUST OPT OUT OF ELECTRONIC AVAILABILITY IF YOU WANT TO CONTINUE RECEIVING THE HARD COPY VERSION!

To opt out of the electronic newsletter and to continue to receive this newsletter by standard postal mail delivery contact the Membership Committee Chair, Edward Stafford, by email at estafford@members.asce.org or call him at 720-898-7745.

To update or add your email address go to <http://www.asce.org> and update your member profile online, or call national ASCE at 1-800-548-ASCE (2723). To just change your email address for the Section newsletter only send an email to estafford@members.asce.org.

IMPORTANT CHANGES TO THIS NEWSLETTER!

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