

the
**Green Mountain
Civil Report**

ASCE®
American Society of Civil Engineers

<http://sections.asce.org/vermont>

www.asce.org **September 2011** **1-800-548-ASCE**

PRESIDENT'S MESSAGE

Hello and welcome back. I am very excited to kick off my term as president of our ASCE Section.

Our new board of directors had our first organizational meeting in August. At the outset, we've implemented a few ideas which we hope will add value to your membership and make it easier for you to attend our events. First, we've decided to hold our dinner meetings on a consistent day each month. Therefore, dinner meetings in October, December, March, April, and May, will be held on the 2nd Thursday of the month. Our hope is that this will make it easier to plan ahead.

Second, we've decided to offer consulting firms the opportunity to submit a feature article for our newsletter. So, each month, we ask that interested consulting firms submit an article highlighting one or more of their accomplishments. The board will select one each month for publication in the newsletter.

We've also elected to provide specialty topics at a couple of our dinner meetings in coordination with other organizations. We will have geotechnical and structural presentations this year.

We start out our year with the Vermont Society of Engineers Golf Tournament on Friday, September 23, at the Barre Country Club. See the meeting schedule below for information. In October we will hold a meeting sponsored by our newly formed Geo-Institute. The meeting will be held on October 13th and will feature David Scarpato of Haley and Aldrich who will speak on rock stabilization issues. Our November meeting will be held on November 3

and is our annual joint meeting with the New Hampshire Section of ASCE. The meeting will be held at the Hotel Coolidge and will consist of a talk on Vermont Yankee. In December we will hold our second annual holiday social, sponsored by our Young Members Committee. This event was well attended last year and everyone had a great time bringing along a donation for the Toys-for-Tots foundation. The new year kicks off with our annual ski day, which is still in the planning stages.

For those who missed our May meeting, we had an excellent tour of the South Burlington Airport Parkway Wastewater Treatment plant's upgrade project, followed by a dinner and talk at the ever popular Peking Duck in Winooski. Many thanks to Justin Rabidoux, PE, South Burlington Director of Public Works, and John Reilly, PE, from Hoyle Tanner Associates for organizing and presenting on this complex and important project.

Congratulations to Bob Krebs, PE, LS, a member of the Vermont Section, for being selected to receive the Civil Government Engineer of the Year Award. This award, conferred by the ASCE Board of Direction in the name of the Society, recognizes Bob for his leadership and distinguished service representing citizens in the Vermont State Legislature. He has also been an exemplar mentor for engineers and surveyors in their professional careers. The award will be presented during the Society's 2011 Annual Conference in Memphis, Tennessee and the Vermont Section will be contributing toward Bob's attendance.

Congratulations to Norwich University engineering students for placing first in the region and fourth overall in the 2011 international PCI Engineering Student Design Competition, also known as the Big Beam Contest. Organized by PCI's Student Education Committee, and sponsored by Sika Corp., the Big Beam Contest entails the design, fabrication and testing of precast, prestressed concrete beams by student teams under the guidance of local PCI producer members.

Norwich University is the smallest institution in the competition to win in its zone, which includes all the eastern states from Virginia to Maine. The other zone winners have an average of 29,000 students (ranging from 16,000-51,000) compared to 2,100 at Norwich. In addition, this is only the second year that Norwich has participated in this competition.

I hope to see you all at our first dinner meeting on October 13.

Respectfully,

Bernie Gagnon



2011/2012 VT ASCE MEETING **SCHEDULE**

September 23, 2011

VSE Golf Tournament: Annual VSE fund raising tournament to support scholarship fund.

Location: Barre Country Club, Barre, VT

Contact: vt_society_of_engineers@gmail.com

Or call: (802)828-0048.

October 13, 2011

VT ASCE Dinner Meeting in conjunction with the Geo-Institute

Topic: Rock Stabilization

Location: TBD

November 3, 2011

Joint Dinner meeting VT ASCE and NH ASCE

Topic: Vermont Yankee

Location: Hotel Coolidge, White River Junction

December 8, 2011

Annual Holiday Social

Topic: Holiday Good Cheer

Location: TBD

January 2012

Annual Ski Day

Date and Location: TBD

February 2012

E-Week

Date and Location: TBD

March 8, 2012

Joint Meeting with Structural Engineers Society of Vermont

Location and Topic: TBD

April 12, 2012

Location and Topic; TBD

May 10, 2012

Annual Meeting

Location and Topic: TBD

MESSAGE FROM THE EDITOR

The Green Mountain Civil Report is a monthly newsletter written in collaboration with the Vermont sector of the American Society of Civil Engineers.

Our goal is to keep you informed with the latest news and events in the field. If you have news you would like to share, please contact us with your announcements so we can add them to the upcoming edition.

The newsletter is generally distributed via email. If you would like to receive a hard copy, or you are not receiving the E-Newsletter and would like to, please contact Laura Ripley (Newsletter Editor) at lripley@uvm.edu or any of the other officers listed at the end of the newsletter.

VT ASCE REPORT CARD

As part of an initiative started by our past president, Jason Booth, VT ASCE is working on the first of its kind Report Card on Vermont's Infrastructure. This Report Card will follow the format and content of the highly successful National ASCE Report Card on the Nation's infrastructure. The working committee has completed issue briefs for each of the categories being reviewed for the Vermont Report Card and submitted final drafts to National. We are awaiting their comments. The committee has started layout and design for the final report card which is expected to be released in November at the state Capitol.

VTASCE FUND RAISERS AND COMMUNITY SERVICE EVENTS - PLEASE HELP SUPPORT YOUR LOCAL SECTION AND YOUR COMMUNITY!

I. **COMPANY DIRECTORY in VTASCE
newsletter**

See attached flyer

II. JOB POSTING in VTASCE newsletter

See attached flyer

III. CELL PHONE DONATION

Consider donating your old cell phone to the ASCE VT SECTION. We will take your phone and turn it into cash and use it for our ASCE VT Section. Please bring your cell phone to our next meeting.

UPDATE YOUR CONTACT INFORMATION

The Vermont Section of ASCE depends on its membership to update their member information with ASCE National. Please make sure ASCE has your latest contact information by calling 1-800-548-ASCE (2723)

ATTENTION VT ASCE MEMBERS

The Vermont Section is looking to fill the Vermont Technical College Practitioner Advisor Position. This position is important to the student chapter and the engineering community. This position provides a link for the students to a world outside of academia. If you are interested in discussing this position please contact Jason Booth at jbooth@aeengineers.com

ASCE Member Benefits!

- FedEx discounts
- ASCE Memoirs
- Discounted Life Insurance (Visit the ASCE Website)

CONTINUING EDUCATION WEBINARS FOR September 2011

For more information on ASCE's webinars, go to http://www.asce.org/conted/distancelearning/online_webseminars.cfm

Mon Aug 22 – Wed Sept 28	P.E. Structural Exam Review: 11-Pt. Series
Tue Aug 23 – Thu Sept 29	P.E. Civil Exam Review, 12-Pt. Series

Tue Aug 23 – Thu Oct 06	P.E. Civil Exam Review: 16-Pt. Series – Includes Depth Sessions
Fri Aug 26 – Fri Oct 07	P.E. Environmental Review: Six-Pt. Series
Thu Sept 08	A General Overview of ASCE 7-10 Changes to Wind Load Provisions
Fri Sept 09	Design of Building Floors for Concentrated Loads
Mon Sept 12	Lateral Bracing of Flexural Members
Mon Sept 12	LRFD for Geotechnical Engineering Features – Earth Retaining Structures – Fill Walls
Tue Sept 13	P.E. Environmental Exam Review: Six-Part Roofing Systems: A Primer for Engineers
Tue Sept 13	Release the Leader Within You and Others: The Seven Qualities of Effective Leaders
Wed Sept 14	Fundamentals of Grey Water Systems for Sustainable and Integrated Water Management
Thu Sept 15	Negotiating Better Engineering and Architectural Contracts
Fri Sept 16	Improving Pedestrian Crossing Safety at Uncontrolled Locations
Mon Sept 19	Geosynthetic Reinforced Mechanically Stabilized Earth Walls
Tue Sept 20	Design of Anchor Bolts
Wed Sept 21	An Overview of Geosynthetics and Their Major Applications
Thu Sept 22	Corrective Work in Steel Structures
Thu Sept 22	Sustainable Sites Stormwater Design and Water Efficiency Points for LEED Projects
Fri Sept 23	Traffic Calming – Best Practices and Recent Trends
Mon Sept 26	Investigation and Repair of Wood Structures
Tue Sept 27	Ethical Behavior: The Key to Earning Trust
Wed Sept 28	An Overview of Unsteady Flow Simulations Using HEC-RAS
Fri Sept 30	LRFD for Geotechnical Engineering Features: Earth Retaining Structures – Cut Walls
Fri Sept 30	On-Site Circulation for Commercial Development

SMARTBRIEF BY ASCE

ASCE SmartBrief is a FREE e-mail news service that summarizes the day's most important news as it relates to civil engineers. Each day, ASCE SmartBrief delivers:

- Links to stories that matter, selected from hundreds of top news sources.
- Summaries of articles relevant to you, handpicked by SmartBrief's editorial staff.
- Wireless functionality for mobile readers.
- The latest information from ASCE.

ASCE SmartBrief is available at no cost to you. Please visit www.smartbrief.com/asce for information on how to sign up.

*A note to professionals/employers:
We would like to inform others about your current projects and plans. If you are interested in writing a short segment on your recent work, please contact Laura Ripley, lripley@uvm.edu, for more information.*

JOB OFFERINGS



BRIDGE ENGINEER

A minimum of 5-10 years experience in the evaluation, planning, design, and construction administration of Federal, D.O.T., and municipal bridge projects and programs. Experience with AASHTO, NHDOT, and VTrans standards a plus. P.E. required or ability to obtain. Position available in Nashua, N. H., Randolph or Williston, VT.

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Email: rgoodall@dubois-king.com

-EEO

3) SENIOR MECHANICAL ENGINEER

Responsible for supervision and direction of daily activities of Mechanical Engineering Department of firm's Building Services Division located in Williston, Vermont. Includes project planning, design and AutoCAD drawing, management and inspection phase duties in wide range of mechanical engineering related functions for commercial, industrial, institutional, healthcare, recreational and municipal projects. Project management responsibilities include client relations, project scheduling, budget and contract administration; key participation in developing project workload for Mechanical Engineering Department. PE required. LEED AP preferred. Commissioning a plus.

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Fax: 802.728.4930
Email: rgoodall@dubois-king.com

4) SENIOR DAM ENGINEER/PROJECT MANAGER

DuBois & King, Inc., a full service consulting engineering firm is seeking a Senior Dam Engineer / Manager with approximately 5 to 15-years (or more) of experience. This is a full time / full benefits senior engineering position in our busy and growing Dam Engineering Group, which is located in our Randolph, Vermont office.

Duties include (but not limited to) the safety inspection, evaluation, planning, design, plan development, technical specification preparation of contract documents, and construction inspection of dam projects. Technical experience in geotechnical / foundations, structural concrete, earth embankments is required. Related experience in hydrology & hydraulics, permitting, hydroelectric facilities is a plus.

Experience with applicable dam safety design criteria and state / federal regulations, client interaction, meetings, construction cost estimating, AutoCad is desirable. VT / NH P.E. required or able to obtain within 6 to 12-months is required.

Send resume and salary requirements to:

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P.O. Box 339
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Human.Resources@dubois-king.com
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5) SENIOR PROJECT MANAGER/DEPARTMENT MANAGER

DuBois & King, Inc. is seeking to fill a key a leadership position of a dynamic and growing environmental & water resources team consisting of planners, engineers and scientists in our Randolph office. The position involves the supervision and direction of daily activities of the firm's Environmental Documentation and Natural Resources Department and also for strategic future department planning and positioning.

Key activities within the department include (but not limited to): NEPA, Act 250 and Act 248, local permitting, stormwater analysis, design and management, river restoration, fluvial geomorphology, wetland identification and mitigation, hydrology & hydraulics and much more!

Key position responsibilities include: Project management, client relationships, scheduling, budget and contract administration, staff supervision / mentoring and training, meetings, public presentation and much more!

Professional registrations preferred include one of the following (or a combination); P.E., LEED AP, CFM and AICP. Company leadership opportunities exist for the right person. Competitive salary, excellent fringe benefit program; ESOP Company. EEO

If your company has any job openings, please submit them to Laura Ripley, VT Section Newsletter Editor, at lripley@uvm.edu for a posting.

Company Directory



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Date

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