

Message from the President



Every so often, one Maryland Section member takes on a very special project, the results of which make us all very proud. We have one of those occasions now being undertaken. Our Treasurer, Tony Mawry has received grants from ASCE and the Maryland Department of Transportation to prepare an exhibit to display the history of Civil Engineering in Maryland. We will be able to view the exhibit at the Baltimore Museum of Industry. Dedication will be held on December 13th at our monthly meeting and extend for approximately six months. Part of what makes this exhibit so special is that it is kind of introductory to the ASCE 150th anniversary in 2002. One of the goals of a ASCE, nationally, is increase the exposure of Civil Engineering to the public and help them become better aware of how important civil engineering is to our everyday lives. This exhibit will go help ASCE achieve that goal locally.

Because it will be such a special event, we have decided to break from tradition for one month and hold the December meeting (which is also spouses night) at the BMI.

There is more information about the exhibit elsewhere in the Newsletter; however, I mention it for a specific purpose. I have a small part in preparing the exhibit which is to help gather the "tools of the trade" engineers have used through history. If anyone has materials, equipment, photographs or books that they would be willing to loan to us for the six months please contact me at 410-728-2900. All the materials will be locked in glass encased cabinets within the BMI and will be safe. After the six months, all materials will be returned.

Amanda Cody and Amy Cole, co chairpersons of our Younger Member Committee have been working very hard to put together a schedule of activities which is very impressive. Over the next year, they hope present three seminars focusing on soon-to-graduate college students, recent graduates and entry level employees in Civil Engineering. The intent of these seminars is to help younger member to achieve their professional goals. Also planned is a project for the Boy Scouts at their Broad Creek camp. In addition to these serious endeavors, the Younger Member Committee sponsors happy hour gathers at some of our local watering holes, very often the ESPN Zone and has a

group attend sporting events. Even though the Younger Members sponsor these events, older members are welcome to attend. The Younger Member Committee is also very active in our indoor golf event and is involved in the BMI exhibit discussed above. As you can see, this is a very active group. I encourage all of our Younger Members, those under the age of 35, to get involved. Amanda and Amy have done a great job of planning many interesting activities but they could use the help of others. With adequate support, none of these events would require a great deal of time of

any one person and there is tremendous amount of satisfaction with helping others. I hope that principals and managers of our member firms and agencies encourage their younger members to get involved. In the long run, it can be a benefit to use all.

Don't forget, the December meeting will be held at the Baltimore Museum of Industry. See you in November and December, which by the way is also spouses night.

Michael Krupsaw
President

THE TRANSPORTATION TRANSFORMATION

...

*Tony Mawry, PE
Wallace, Montgomery &
Associates Treasurer, ASCE*

Imagine traveling to Ocean City without the existence of the William Preston Lane Memorial Bay Bridge. Consider how you might transport goods to Washington, Philadelphia and New York without the benefit of Interstate 95 and the Fort McHenry Tunnel. Fortunately, with these and many other important infrastructure resources in place, the Central Maryland region can rely on safe and efficient means of Transportation.

In recognition of this transformation in our Transportation system, ASCE, MDOT and the Baltimore Museum of Industry (BMI) will host an
(continued on page 2)

THE TRANSPORTATION TRANSFORMATION

(continued from page 1)

exhibit which will open on December 13, 2000 at the BMI Key Highway location. The exhibit opening will be held in lieu of the regular ASCE monthly meeting. The opening represents the culmination of hard work from all MDOT agencies and many engineering firms directly involved in the exhibit design.

The common thread through the displays will be to present how Transportation has changed and to celebrate the role of the Engineer in affecting change. Relevant construction projects will be highlighted to demonstrate the importance of engineering works. As a background, engineering tools and engineering drawings will serve to tell our story.

Since one of the primary goals of this project is to promote Civil Engineering to the public at large, but to children in particular, interesting and fun facts will be introduced. Dramatic photos, computer visualization and 3D models will serve to enhance awareness of successful projects – and hopefully attract more students toward careers in Civil Engineering and Transportation.

Join ASCE and MDOT at the Museum by responding to your regular ASCE Meeting Notice. Secretary Porcari and leadership from each MDOT Modal Administration will be invited to participate. The ASCE Younger Member Committee, led by Amanda Cody, has been very involved in exhibit development and will take part in the evening program. (Should you wish to contribute or loan relevant information, there is time – contact the Museum directly at bmi@charm.net, attention, Ms. Carol Runion.) Don't miss this event - Enjoy the opportunity to tour this wonderful facility.

The ASCE Engineering News is a monthly publication, except July and August, published by the Maryland Section of the American Society of Civil Engineers and is provided free to Section, life and student members. Comments or questions should be directed to the Editor.

MD ASCE Geotechnical Group Tours "Big Dig"

*James R. Wheeler, P.E.
Chairman, MD ASCE Geotechnical Group*

Providing a unique opportunity to its members, the MD ASCE Geotechnical Group began its 2000/2001 Program year with a tour of Boston's Central Artery Project. With an evening presentation made two days prior to the trip by James Lambrechts, Haley & Aldrich, Inc., the Group was provided with an overview of the \$14.1B project. Then on Thursday October 5, 2000, thirty-six members, including members of the National Capital Section, nine Johns Hopkins University (JHU) civil engineering students, and two professors, traveled to Boston for a one day project tour. Guided by Brij Goyal, Bechtel/Parsons Brinckerhoff, members walked through the 2200ft. long Atlantic Ave. tunnel to the deepest portion of the project located beneath an underpinned subway station. From there, the group visited the I-90/I-93 Interchange to view the slurry wall construction, tunnel box jacking through frozen ground beneath active rail lines, and concrete immersed tub tunnel box construction. A visit to the Cable Stayed Charles River Bridge construction site concluded the trip. According to the Amy Rechenmacher, Assistant Professor at JHU, the immense magnitude and the unique types of construction observed on the trip provided students with a most favorable and long lasting impression of a career as a civil engineer.

MD ASCE Geotechnical Group Meeting

On Tuesday, November 14th, Mr. James D. Hussin, Director of Engineering and Business Development at Hayward Baker Inc., Tampa, FL will present "Vibro: Ground Improvement & Intermediate Foundation Solutions." This presentation will describe the evolution of the vibro process to its present day use in solving a wide range of static, dynamic, and seismic foundation problems through the use of depth vibrators to desify and/or reinforce the soils in situ. Key design and construction principles associated with the vibro process will be summarized and case histories describing a wide variety of applications will be presented to illustrate the effectiveness of the vibro process in increasing foundation bearing capacity, reducing settlement, mitigating liquefaction potential, and providing slope stability/embankment subgrade improvement.

Contact Rich Hillis, Hillis-Carnes Engineering at 410-880-4788 or rhillis@hcea.com for meeting reservations.

November MD Section ASCE Newsletter Younger Member News

by Kelly Brennan, Younger Member Co-Chair • <http://www.asce.org/gsd/sections/mdasce/ym.htm>

Young Member Volunteers Needed!

Have you ever wanted to be involved in something but you weren't sure how? Have you ever wanted to meet new people in the area who share your interests? Have you ever wanted the opportunity to become more involved with ASCE? Now is your chance to volunteer for the new Younger Member Activities Committee! The activities committee will be involved with planning happy hours and other social functions for the Younger Member Group. Committee members will meet periodically to decide on upcoming events. Participation is easy and will involve a maximum of one meeting per month. You will have the opportunity to get to know other younger members and make some important contacts for the future. You will also gain a better understanding of how ASCE works and will be able to get involved further within the organization if you choose. If you are interested in joining the Younger Member Activities Committee, please contact Mandy Cody (acody@jmt-engineering.com) or Amy Cole (acole@kci.com). They would love to hear from you! Volunteer today!

Younger Member Web Site

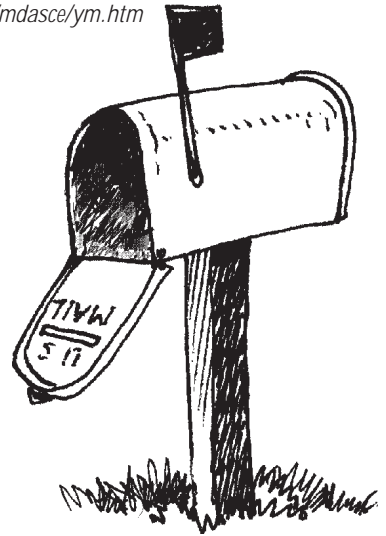
The new Younger Member Web Site provides an up to date link with all of the groups proposed activities. Be sure to check it out! (<http://www.asce.org/gsd/sections/mdasce/ym.htm>). In the future, we'll list Happy Hours and other activities developed by the new YM Activities Committee.

Upcoming Programs

In other Younger Member news, we have many exciting upcoming programs. The first is an EIT/PE Seminar on November 15 at 6:00pm at the Engineering Society of Baltimore. A buffet dinner will be served. Come join us as we hear from Marc Hurwitz, President of the Maryland Society of Professional Engineers speak

about the professional registration process. You'll be able to learn new information about the new PE exam format. Check the YM web site (<http://www.asce.org/gsd/sections/mdasce/ym.htm>) for more information!

Stay tuned for upcoming YM events! Join us on February 21st for a discussion on ASCE's views on the First Professional Degree. March 17th is the annual Putt-Putt Golf Tournament and March 21st will be the mock interview/resume review session. Get ready to volunteer at the annual May 5th Boy Scout Project and finally join us for an Orioles Game next June.



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Washington News & Notes

ASCE Urges Dot to Revise TEA-21 Streamlining Rule: ASCE has asked the Department of Transportation (DOT) to revise a proposed regulation in order to improve the Department's ability to streamline the National Environmental Policy Act (NEPA) process for federal-aid highways. In comments filed with the DOT on September 20, ASCE said the environmental streamlining regulation proposed by the DOT in May would not result in speedier environmental reviews as required by TEA-21. "We believe the proposal is faulty because it fails, at a minimum, to establish firm deadlines for the completion of the federal portion of the transportation streamlining process and it opens the door for streamlining pilot projects in contravention of the intent of Congress," ASCE said. Comments on the proposed rule may be viewed at the DOT Web site at <http://dms.dot.gov/search/hillst.asp>.

Supreme Court to Hear Case on Property 'Taking' By Regulation: In a case that could have ramifications for federal regulations under a number of environmental laws, the United States Supreme Court agreed on October 10 to hear arguments in a Rhode Island case involving an alleged regulatory taking. The date of the hearing has not been set.

In the petition for review of a lower court decision, a Rhode Island landowner raised two key questions: Whether a regulatory takings

claim is prohibited whenever the enactment of the regulation predates the claimant's acquisition of the property and whether the remaining permissible uses of a regulated property are economically viable merely because the property retains a value greater than zero.

The landowner had sued the Rhode Island Coastal Resources Management Council (CRMC), alleging that the CRMC's denial of his application to fill 18 acres of coastal wetlands on his property did not deprive the owner of all beneficial and reasonable use of his land and, thus, did not constitute a "taking" for which he would be entitled to compensation.

The Rhode Island court noted that, though the value of the land was significantly lower than the speculative \$3,150,000 profit that landowner alleged he could earn from filling and developing the wetlands, other portions of the property would be valued at \$200,00 if it were developed, and the wetlands would have value to the landowner in the amount of \$157,500 as an open-space gift to the public.

The Supreme Court recognized in 1922 that a government regulation that went "too far" could result in a loss of economic value and thus become a "taking" requiring compensation for property owner under the Fifth Amendment. Except in cases where the regulation resulted in a total loss of economic value, however, courts have been unable to draw a clear line to determine how far "too far" goes in most cases.

National ASCE News

THE FUTURE IS HERE! The new Strategic Plan, "Building ASCE's Future," was reviewed and approved by the Board of Direction in July. The input received from members and staff for during the past year helped the Strategic Planning Committee set the course for the Society for the next five years with the creation of the new Strategic Plan. The new Plan is scheduled to be officially released at the Annual Conference in Seattle. Action Plans will be produced each year of the Plan's run that will include activities for the Committees and Staff to work on in order to accomplish the Objectives of the Plan. The first year's Action Plan will be presented to the Board of Direction for approval at its October meeting in Seattle. If you plan to attend the Conference please stop by Membership Row to view a video about the new Plan, and pick up a copy of the 2001 Action Plan.

To celebrate the debut of this strategic Plan, the Board Leadership Team will be sponsoring a contest for the Sections and Branches in 2001. The contest will ask each Section and Branch to describe how they have effectively implemented an activity that accomplished one of the four Strategic Goals (the Goals are: Develop Leadership, Advance Technology, Advocate Lifelong, and Promote the Profession). An example of an activity to accomplish the "Develop Leadership" Goal might be to organize a leadership series that invites speakers to Section/Branch meetings to talk about leadership topics (i.e., communication skills, persuasive writing). The deadline for the contest will be September 1, 2001. The winner of the contest will be announced in the November 2001 issue of ASCE News. The contest winner will receive \$1,000.00 to sponsor a similar program in 2002. The two runners-up will each receive \$500.00 for the same purpose. Contest entry forms with complete rules will be mailed to all Sections and Branches in February 2001 and available on the Society's web site beginning in February.

For information about the contest or to request a copy of the Strategic Planning video and/or 2001 Action Plan, please send an email to strategicplanning@asce.org, or call Melissa Yekell, manager, Strategic Planning at 800-548-2723 ext.294.



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DATED MATERIAL INSIDE

**– MEETING NOTICE –
 AMERICAN SOCIETY OF CIVIL ENGINEERS**

Date: November 8, 2000
Time: 6:00 P.M. — Cocktails
 7:00 P.M. — Dinner
 8:00 P.M. — Meeting

Place: Engineering Society of Baltimore
 11 W. Mount Vernon Place

Speaker: Mr. Jerry Swartz
 President Elect of ASCE National

Abstract: The November Meeting is the “ast Presidents Night” for our local chapter. The President Elect of ASCE National, Jerry Swartz will be the keynote speaker for the evening. We hop everyone will come to the meeting to enjoy the opportunity of hearing our next President speak.

Also, as a reminder, the December Meeting, Spouses Night, will be held at the Baltimore Museum of Industry.

- Members: \$27.00
- Spouses: \$35.00
- Guests: \$35.00
- Non-Members: \$35.00
- Non-Dues Paying Members (MD Section): \$35.00
- Students: \$14.00

Reservations: _____ (Total Members & Guests)

- Reservations will be considered firm and billed unless cancelled by not later than Monday noon prior to meeting.
- Cancellations must be submitted via mail or fax.
- Reservations can only be held until 6:45 p.m.
- Seats will be available for dinner after 6:45 on a first-come first-serve basis.
- If you are unable to attend dinner, you are welcome to attend the meeting at 8:00 p.m.
- Checks should be made payable to:

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- All reservations and cancellations should be sent to:

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 Attention: Ms. Stephanie Hill

Name: _____ Phone: _____

Guests: _____

Mail, fax or email by: November 6, 2000, 12:00 noon

FUTURE MEETING DATES:
 December 13, 2000
 January 10, 2001