

MARYLAND SECTION NEWS

Vol. 101 No. 8

October, 2001

Message from the President

As I assume the office of President of the Maryland Section, ASCE, I cannot ignore the fact that my term has begun one day after the September 11 terrorist attack on the World Trade Center and the Pentagon. Life in the United States and the world as we know it, may have changed forever. The civil engineering profession will likewise need to adjust to new standards of security in our war against terrorism. We, as civil engineers in Maryland, need to stand firmly behind the civil engineers in New York and Washington, D.C. as our profession tries to rebuild shattered cities. We also need to rededicate ourselves to ensure that our structures safeguard and protect humanity as best we can.

150th ASCE Anniversary:

With the ASCE National Conference in Houston taking place from October 10th through the 13th, we begin a year commemorating the 150th anniversary of ASCE. The festivities will conclude with the National Conference in Washington, D.C. next October. We in the Maryland Section, need to figure out how to make this a special year to commemorate civil engineering in Maryland. To help plan the events to make this a great year, I am seeking volunteers to join me on our 150th Anniversary Committee. If you are interested in being a part of planning our programs for this coming year, please contact me.

Maryland Section Strategic Plan:

With the beginning of the 150th Anniversary year, our

Maryland Section Board will begin developing our strategic plan to guide through the next few years. As we determine our mission, objectives and strategies, I will keep you informed through this column. Through this strategic plan, we hope to grow a stronger Maryland Section and better meet the needs of our membership.

New Ideas for This Coming Year:

The Maryland Section is blessed with a magnificent home, the Garrett-Jacobs Mansion, to host our monthly meetings. That alone makes our meetings on the second Wednesday of each month special. This year, not only will we try to present the most relevant and interesting programs possible, we will also add some new twists to our meetings. First, we will be adding fun and valuable door prizes that will be drawn at the conclusion of each meeting. We also will have our Board serve as official hosts and hostesses and mingle with our entire membership including sitting at different tables. At several meetings, we may have assigned seating to enable our members to meet other members who they would normally not sit with. These are just a few of the new ideas we will be implementing this year to create a stronger Section.

October 10th ASCE Meeting:

As engineers, we are required to make important presentations to win work and to present issues to the public. Our speaker, Chip Tames from Brescook, LLC, a Dale Carnegie Trainer, will present tips on making high impact presentations.

Come hear about what it takes to communicate effectively with clients, bosses and the public. The information can help further your career.

Thanks to Last Year's Board:

With a new Board taking office, I would like to thank last year's Board for the great work they did. Led by our outgoing President, Mike Krupsaw, the Board strengthened our Section. I would like to thank two Board members who are leaving the Board after putting in years of good work. Dan Chang, who has been on the Board for seven years, has completed his role as Director and can now retire to play pool full time. Tony Mawry, after two years of serving as an exemplary Treasurer, is leaving the Board so that he can continue to serve as a partner at Wallace Montgomery and still be a good father. We wish both Dan and Tony the best of luck and thanks for all of their great contributions to our Section.

In addition to myself, other members from last year's Board who will help lead this year's Board include Keith Duerling (Vice-President), Joe Kittner (Secretary), Mike Krupsaw (Director), Mandy Cody (Director) and Rajah Anandarajah (Director). We also are pleased to welcome two new Board members. Art Barrett, who served as Programming Chair the last two years, will now take over as Treasurer. John Malinowski, who served as our Membership Chair, will now be our fourth Director.

We have an exciting year coming

up. Please support our Section by coming to our monthly meetings, bring a fellow engineer, contribute to our Scholarship fund and help us plan and grow our Section into a better organization. Let's make this 150th Anniversary year a year of growth and a year of building a stronger Maryland Section ASCE.

Joel Oppenheimer
President

Maryland Section of ASCE is proud to announce the new officers and direc- tors of the section for 2001-2002

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Vice President

Keith Durling
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KCI Technologies

Rajah Anandarajah
Johns Hopkins University

John Malinowski
Wilbur Smith & Associates

Michael Krupsaw
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STORMWATER MANAGEMENT IN MARYLAND

2-Day Workshop on New 2001 MDE Regulations and New Design Manual

Community College of Baltimore County at Catonsville
Oct. 16 and Oct. 30, 2001

Sponsored by:

Maryland Society of Professional Engineers • Maryland Section, ASCE
Potomac Valley Chapter, AIA • Mid-Atlantic Surveyors Education Institute

Conducted by

Michael L. Clar, P.E.

Chair, ASCE Urban Water Resources Council and Member, MDE Stormwater Management Regulations Committee
President-elect, Maryland Society of Professional Engineer With James W. Whitehead, Prof. Land Surveyor Managing Partner,
Waldorf Office, ATCS Member: ASCE, MSPE and Director, Maryland Society of Surveyors

FIRST DAY:

MDE Overview Manual Overview - Purpose of Manual • Why Stormwater Matters: Impact of Runoff on Maryland Watersheds • General Performance Standards for Stormwater Management in Maryland • How to Use the Manual • Revising the Manual • What's New • Symbols and Acronyms Unified Stormwater Sizing Criteria

Unified Stormwater Sizing Criteria • Water Quality Volume (WQv) • Recharge Volume Requirements (Rev) • Channel Protection Storage Volume Requirements (Cpv) • Overbank Flood Protection Volume Requirements (Qp2 or Qp10) • Extreme Flood Volume (Qf) • Design Examples: Computing Stormwater Storage Requirements • Acceptable Urban BMP Options • Designation of Stormwater Hotspots

Performance Criteria For Urban Bmp Design - Performance Criteria for Urban BMP Design • Stormwater Ponds • Stormwater Wetlands • Stormwater Infiltration • Stormwater Filtering Systems • Open Channel Systems

Guide To BMP Selection And Location - Selecting the Best BMP at a Site • Watershed Factors • Terrain Factors • Stormwater Treatment Suitability • Physical Feasibility Factors • Community and Environmental Factors • Checklist: Location/Permitting Factors

Second Day:

Stormwater Credits For Innovative Site Planning - Stormwater Credits • Natural Area Conservation Credit • Disconnection of Rooftop Runoff Credit • Disconnection of Non Rooftop Runoff Credit • Sheet flow to Buffer Credit • Grass Channel Credit • Environmentally Sensitive Development Credit • Dealing With Multiple Credits •

Other Strategies to Reduce Impervious Cover - Landscaping Guidance for Stormwater BMPs • BMP Construction Specifications • NRCS-MD Code No 378 Pond Standards/ Specifications • Supplemental Pond and Wetland Stormwater Specifications • MDE Dam Safety Small Pond Review Criteria • Construction Specifications for Infiltration Practices • Construction Specifications for Bioretention, Sand Filters, and Open Channels.

Step-by-Step Design Examples - Shallow Wetland Design Example • Water Quality BMPs Design Example • Assorted Design Tools • Comparative Case Solutions

Maryland's new stormwater management regulations (COMAR 26.17.02) are significantly different from the regulations they replace. The new regulations promote "innovative design techniques that reduce reliance on more costly structural practices currently in use" and allow local governments the option not to require flood control, thereby reducing the size of structural practices. They incorporate the new 2-volume Maryland Stormwater Design Manual (COMAR 26.17.02.01-1) that will be the text for these workshops. The manual is available in print for \$25.00 per copy. This is the official version and includes changes made prior to adoption. (You may order directly from MDE or we will be happy to order for you and you can pick it up at the workshop).

Time: Registration is from 8-8:30 am. Morning sessions 8:30 - 12 noon. Afternoon sessions 1 - 4:30 pm.

Contact: P.O. Box 12150, Balto., MD 21281 410-675-8967 RLMEAD@CLARK.NET 410-522-6947

Walk-in registration: If space is available, you may register at the door. But if you have not pre-registered, you should confirm that there have been no schedule changes by phone the day before the seminar. 410-675-8967.

Confirmations: We do not send confirmations. However, we will contact you if any schedule changes occur.

Refund Policy: We understand your schedule maybe subject to unavoidable changes. We will be happy to honor substitutions. You may receive a full refund if you cancel your registration at least 3 days in advance of the seminar.

Format: This seminar will be presented in a live, interactive, lecture-style program.

Reference Manuals: The new 2-volume Maryland Stormwater Design Manual (COMAR 26.17.02.01-1) will be the text for these workshops.

October MD Section ASCE Newsletter

Younger Member News

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

Hello Younger Members!

There were a large number of potential Younger Members at the September ASCE meeting which is great to see. However, I think there is some confusion about who is classified as a 'Younger Member.' Hopefully this newsletter will help clarify some things for everyone.

Who is classified as a Younger Member by ASCE?

A 'Younger Member' is defined as someone who is 35 years old or younger. YM's may be students, recent graduates, or someone who's been in the workforce for several years. The only major determination to the YM group is determined by age. The Younger Member (YM) Committee was established to: 1) Identify issues of interest to young engineers; 2) Facilitate the development of positions/responses to those issues; 3) Develop and implementing programs which focus on the resolution of these issues; and finally, 4) Fostering the interaction among YM's with other Sections, Branches, and YM councils.

What are the benefits of the Baltimore YM Committee?

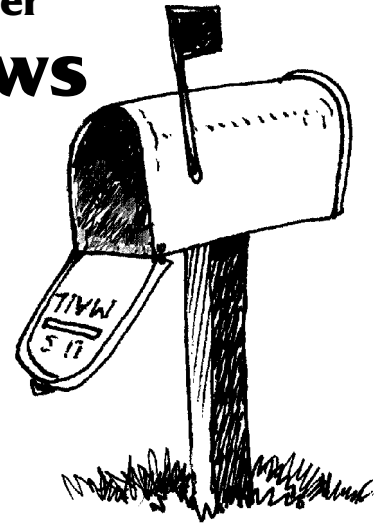
Being a member of the Baltimore YM Committee gives you the opportunity to meet and interact with your peers. We offer a wide variety of social, educational, and volunteer activities. If you're interested in learning more about the upcoming YM activities, please contact Mandy Cody, YM Committee Chair, mandy@members.asce.org. Please include your name, phone number, and any events you'd like more information on.

Social Committee

Socially, we have sponsored happy hours, trips to baseball games, and the opportunity to attend special YM conferences. This January, we would like several YM's to attend the Northeast Regional Younger Member Council meeting in Hartford, CT. Attending the conference gives you the opportunity to meet and interact with other YM's from across the country. The conference is combined with the Zone I leadership conference and the Student Chapter Leader Workshop, so you'll get to meet many different members of ASCE. The last conference was held in Portland, ME and was a lot of fun. Some of the YM's even took an extra day to go skiing in the nearby mountains. We are currently seeking new YM's who would like to help organize and participate in YM social events. It doesn't involve a lot of time and is a great way to make some new connections and meet some new friends. Contact Mandy Cody, mandy@members.asce.org, for more information on participating in this committee.

Volunteer Committee

Members of this committee have participated in several volunteer activities throughout the Baltimore area. This is a great committee to participate in if you'd like to volunteer but you're not sure where to help out. Some previous activities of this committee have been: middle and high school outreach programs, judging engineering week activities, and performing renovations at a local Boy Scout Camp. We're trying to get a regular middle and high school outreach program



going, so if you or any of your co-workers are interested in teaching kids about engineering and science please contact Kelly Brennan, brennank@pbworld.com.

Events Committee

This last committee involves organizing dinner meetings (1 to 2 per year) on topics that are of interest to younger members. Past topics have included financial seminars to learn what you should be doing with your money, EIT/PE exam information nights, and discussions on the "First Professional" degree proposal by ASCE. We always need help from a few YM's to plan these events which are typically held at the Engineering Society of Baltimore. Again, it doesn't take a lot of time to be a member of the Events Committee. You could simply make suggestions about the types of events you'd like to see. If you are interested or you have event ideas, please contact Mandy Cody, mandy@members.asce.org.

Thanks for your interest! If you have any questions or have any suggestions for the YM Newsletter, please contact Kelly Brennan, YM Newsletter Editor, brennank@pbworld.com.

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.

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ASCE NATIONAL INFORMATION

HOW CAN WE HELP YOU?

The National ASCE, your organization, is here to help you. Become involved and we are here to go along with you.

Designed specifically with the member in mind, ASCE Member Services, located at World Headquarters, is a first-rate comprehensive member services. The "800" number (1-800-548-2723) is the members link to one-stop service.

The representatives are available 12 hours each weekday, from 8 a.m. to 8 p.m. ET, to meet the needs and inquiries of members.

Representatives also are available via e-mail at member @asce.org. Address changes can be made at www.asce.org/myprofile.

Other important contacts in the ASCE Membership Department are listed below.

MEMBERSHIP STAFF

1-703-295-6300 (international)
1-800-548-2723 ext...

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ASCE Member Services

Laurena Lamberty 6064
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ENGINEERING SOCIETY OF BALTIMORE GARRETT-JACOBS MANSION ESB FALL FEST-OCTOBER 20, 12-4

Last year, the Engineering Society of Baltimore (ESB) used the Boiler Blast! fund raiser to replace the mansion heating system. With your purchase of tickets, cash donations, and/or purchase of cash prize tickets, ESB completed the heating system replacement project. The heating system balancing and automatic temperature control systems will be further tweaked during the Fall 2001 heating season.

With this tremendous accomplishment resulting in an efficient and reliable heating system, ESB now turns its attention to the mix of cooling systems/equipment for the various areas of the mansion. ESB has assessed the various air conditioning systems and have determined they have another substantial volunteer project to undertake. ESB is again asking for your support to continue with the endeavor to put a little something back into a building and Society that we have all benefited from over the years.

To continue with this effort, ESB is planning a fourth annual fund raiser. The goal is to continue to have a Fall friend/fund raising event; therefore, ESB is changing the name of the fund raiser to "ESB Fall Fest." This year's them will include various Fall festivities/activities, as well as a delicious menu to complement the season.

In addition to raising funds from the ESB Fall Fest, ESB will be requesting material and labor donations from the Friends of ESB. The goal is to have some fresh individuals and firms participate in the cooling system replacement.

Carrier Corporation recognizes the importance of the historic mansion and this volunteer project. Carrier Corporation has agreed to donate the forty (40) tons of air conditioning equipment required for the first phase of the project. Please recognize Carrier's contribution with your specifications and purchases. Thanks to Keith Scheppleng and Carrier for their interest and support! If you are able to help-out with any cooling equipment and/or labor donations for equipment replacement, please contact ESB.

Last year's Boiler Blast! was another success. Approximately 250 members and guests attended the event and everyone had a great time. The food prepared by the ESB staff was superb and the wonderful weather and open courtyard provided a centerpiece for the day's event. We received many very positive comments on the overall event. Even with the success of the last year's event, the Fund Raising Committee is striving to make this year's event even better. Bring your children and enjoy the season and the fun!

The 2001 ESB Fall Fest will be held on Saturday, October 20, 2001 at the Garrett-Jacobs Mansion from 12:00 p.m. to 4:00 p.m. The cost for adults (ages 13 and up) remains at \$100.00 each (\$75.00 of which is tax deductible). The cost for a child's ticket (ages 5 to 12) is \$25.00 (\$10.00 of which is tax deductible). Children ages 4 and under are free.

This year, Corporate Sponsorships in various amounts include: a Food/Buffer Sponsor is \$250.00, an Entertainment Sponsor is \$500.00, and a Beer/Wine Sponsor is \$750.00. All Corporate Sponsors will receive and advertisement space in the ESB Fall Fest Program, as well as having their name predominately displayed at the event. In addition, Food/Buffer Sponsors will receive as ESB Gift Bag, and Entertainment and Beer/Wine Sponsors will receive two (2) complementary adult tickets to the event.

Please contact Ms. Randi Dutch, c/o The Engineering Society of Baltimore, 11 West Mount Vernon Place, Baltimore, Maryland 21201. Our goal again this year is to sell at least 400 tickets. Please consider purchasing ten (10) tickets for your family, co-workers, clients, and/or friends. Also, please pass a copy of this letter to any others that may be interested in purchasing tickets or helping with this project. This event is a great opportunity to entertain clients and friends at a very unique and special building.

We hope that you are again in a position to help out with this fund raising event. With everyone's continued help, we will continue to put something back to a building and Society that has served all of us well over the years.



Maryland Section

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DATED MATERIAL INSIDE

– MEETING NOTICE – AMERICAN SOCIETY OF CIVIL ENGINEERS

Date: Wednesday, October 10, 2001
Time: 6:00 P.M. — Cocktails
7:00 P.M. — Dinner
8:00 P.M. — Meeting

Place: The Engineering Center; 11 W. Mount Vernon Place
Speaker: Chip Tames, Director of Trainer Development
Brescook, LLC; Dale Carnegie Training

Program: High Impact Presentations
Abstract: Engineers are being asked to make more and more presentations, not only to clients for winning projects but also for public involvement meetings. Mr. Tames teaches a course on "High Impact Presentations" as part of the Dale Carnegie Training program. Join us for a brief overview on making quality presentations and tips on how to deliver messages the right way.

Member	\$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:

Engineering Society of Baltimore, Inc.

- All reservations and cancellations should be sent to:
Engineering Society of Baltimore, Inc.
11 W. Mount Vernon Place, Baltimore, MD 21201-5190
Fax (410) 539-3047
email: stephanie@esb.org
Attention: Ms. Stephanie Hill

Name: _____ Phone: _____

Guests: _____

Mail, fax or email by: October 8, 2001, 12:00 noon

FUTURE MEETING DATES:

November 14, 2001

December 12, 2001