

# MARYLAND SECTION NEWS

Vol. 102 No. 2

February, 2002

## Message from the President



The new year is off to an excellent start. At our January 9th meeting, Suhair Alkhatib, from the Maryland Transit Administration, described the MagLev initiative. This state-of-the-art mode of high speed travel represents a huge achievement for MTA and the Baltimore-Washington metropolitan area. We will all keep our fingers crossed and hope that our corridor is selected for the \$950 million of federal funding.

### Upcoming Programs:

We are finalizing our plans for an exciting and different March meeting this year. On Wednesday, March 13th, we hope to have our meeting at the Maryland Historical Society, only a few blocks away from the Engineer's Club. Our Programming Chair, Will Aasen, is in the process of finalizing plans for us to have a buffet dinner at the Maryland Historical Society followed by a short presentation on historical engineering achievements in Maryland. This is appropriate for celebrating ASCE's 150th Anniversary. We will then have the opportunity to wander throughout the entire museum

at our leisure. More information will follow on the web site and in the March newsletter.

In June, we are considering some new ideas. One possibility is a dinner at the Baltimore Zoo for our members and their families. As details are finalized, we will let you know.

### Indoor Miniature Golf Outing:

Do not miss our Annual Indoor Miniature Golf Outing. The date will be Saturday, March 23rd. For those who have never attended, we will have a buffet dinner and open bar at a motel and then play 18 holes of miniature golf in the motel. We go through rooms, through the exercise room, up the elevator, down the stairs and all around. It is especially fun to see the faces of the motel guests as we go putting down the hallway in front of their rooms. The best part of this is all proceeds go to the Maryland Section, ASCE Scholarship Fund. Ray Streib and Ed Meehan do a great job organizing this event. For those younger members (and even older members) who help set up Saturday morning or unload the truck Sunday morning will get a discount for the event. Touch base with Ray for details (410-647-2727).

### February 13th Meeting:

Dr. William Corley will discuss the results of the investigation of the attack on the World Trade Center Towers by the ASCE "Building Performance Study Team." ASCE has recently asked Dr. Corley to lead its inves-

tigation into the September 11th collapse of the buildings at the World Trade Center in New York City and the destruction of the Pentagon in Washington,

D.C. Join us in hearing how this study will proceed.

Joel Oppenheimer

## FEBRUARY MEETING SPEAKER

### William Gene Corley Ph.D.

William Gene Corley is Vice President of Construction Technology Laboratories, Inc. Since 1987, Construction Technology Laboratories has operated as an independent subsidiary of the Portland Cement Association, which was founded in 1915.

Dr. Corley was principal investigator and leader for a study sponsored by the American Society of Civil Engineers of the 1995 Murrah Federal Building bombing in Oklahoma City. The ASCE has recently asked Dr. Corley to lead its investigations into the September 11 collapse of the buildings at the World Trade Center in New York City and the destruction of part of the Pentagon in Washington, D.C., on the same day. To accomplish this task, Dr. Corley and the ASCE Structural Engineering Institute are assembling two teams, each consisting of seven to ten experts, including structural engineers as well as experts in blast and fire protection.

Dr. Corley has conducted nationally recognized research related to bridge structures, including instrumentation of Kishwaukee, Zilwaukee, Tacoma Narrows, and Sunshine Skyway. He chaired the committee that wrote much of the concrete strength design forming the basis of AASHTO Bridge Specifications. In addition, he teaches advanced bridge design at the University of Wisconsin extension, earthquake resistant design for the Federal Emergency Management Agency, reinforced concrete design for the American Concrete Institute, and a seismic design refresher course for the Structural Engineers Association of Illinois.

Dr. Corley received his B.S. in Civil engineering, and his M.S. and Ph.D. in Structural Engineering from the University of Illinois. Prior to his position at Construction Technology Laboratories, Inc., he was Director of Development at Portland Cement Association and served for four years with the Army Corps of Engineers as Research and Development Coordinator for Military Bridging. He is a Licensed Structural Engineer in Illinois and a Licensed Professional engineer in several states.



# Rebuilding Together Baltimore

## Quick quiz:

Do you know the name of the national charity of the ASCE? And did you know that there are many opportunities to get involved in the Baltimore area?

**Answer:** Rebuilding Together, ASCE's national charity, is a national non-profit dedicated to preserving and revitalizing low-income houses and communities. Operating in Baltimore since 1989, Rebuilding Together Baltimore has repaired nearly 750 homes across Baltimore City and County.

Lower-income homeowners, especially those on fixed budgets, such as the elderly, struggle with the high cost of housing and home repair. Without outside help, lower-income homeowners are unable to cover even routine maintenance and repair costs on their homes. As a result, what often starts as a small, easily repairable problem, grows into an expensive and even hazardous situation. Neglected home repairs not only reduce the quality of life for the occupants, they also impact an entire neighborhood. Poorly maintained homes can reduce the market value for other houses in the area and have even been linked to other problems such as rodent infestation. As a result, programs that assist homeowners not only benefit the individuals, but also the larger community.

Rebuilding Together Baltimore works to address these problems. Each year, in one neighborhood in the city, and one in the county, they repair between 30-35 houses. In addition, the organ-

ization also undertakes one or more community projects in each location, usually focusing on neighborhood beautification. The majority of this work is done in one day, and makes a significant impact on both the homeowners and the communities at large.

Rebuilding Together's annual "Rebuilding Day" is always on the last Saturday in April. On that day, thousands of volunteers, both skilled and unskilled from around the Baltimore area repair the homes of low-income families. Volunteers form teams and are assigned to repair a single house. Each team has a "House Captain" who meets with the homeowner in advance of Rebuilding Day and determines what materials are needed and the work plan for the day.

Each house that is repaired is sponsored by a specific organization. In Baltimore, a wide variety of organizations sponsor homes, including businesses, religious organizations, community groups and professional associations. Many organizations that sponsor the homes also put together volunteer teams. They view the program not only as a way to give back to the community, but also as a team-building opportunity. What many don't count on is the feeling of pride and accomplishment.

This year, Rebuilding Together will be working in two communities, in Essex and in the Southern Mondawmin neighborhood in the city. Their goal is to renovate at least 70 homes – 35 in each location. Unfortunately, every year they have to turn away deserving low-income homeowners because they do not

have the funds or the volunteers to help them.

And so, they are asking for our help. If you are interested in putting together a team, sponsoring a house, or volunteering as an individual, please contact Rebuilding Together at the number at the bottom of this article.

If you chose to get involved, you will be helping homeowners such as Josephine H., age 78. It had been more than two decades since her house had been painted and her windows were so old, they no longer offered protection from the elements. But thanks to some "TLC" from a team of Rebuilding Together Baltimore volunteers, her house is now freshly painted and

dry. "They were really fantastic," says Josephine of the Rebuilding Together crew. "Everyone worked oh so hard."

To find out more about the Rebuilding Together Baltimore program, please contact their executive director, William Ermatinger, at 410 329 6218 or at [info@RebuildingTogetherBaltimore.org](mailto:info@RebuildingTogetherBaltimore.org).



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# February MD Section ASCE Newsletter

## Younger Member News

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

Engineer's Week is right around the corner, February 17-23, 2002 and there are lots of things that YOU can do to show others what engineering is all about. There are several websites that list Engineering Week ideas and volunteer information. [www.eweek.org](http://www.eweek.org) is one of the major sites. The site lists 50 ways an engineer can make a difference and gives you tips on how to organize a National Engineers Week program at your company.

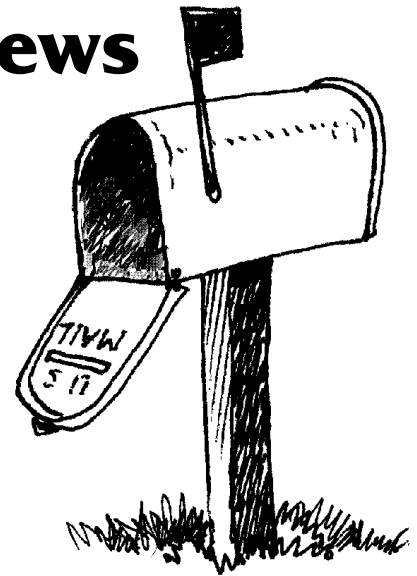
[www.engineeringsights.org](http://www.engineeringsights.org) is another interesting website that highlights engineering achievements in each of the 50 states. Some of the items on Maryland's list include the Baltimore Public Works Museum, Calvert Cliffs Nuclear Power Plant, Casselman River Bridge, Historical Electronics Museum, and NASA Goddard Space Flight Center's Visitor Center. The website provides the address, admission fees if applicable, hours of operation and a brief description of the site. Visiting these engineering sites is a great way to get your kids, nieces, nephews, etc. excited about engineering!

### Spend a "Day with an Engineer" February 20, 2002:

This annual event, sponsored by the Society of Military Engineers, allows high school students to spend a day in your company learning what civil engineers do. You can show students the types of civil engineering, teach them AutoCad or Microstation, take them to the field, and answer questions about high school and college classes. It's a simple way to encourage students to enter into the civil engineering profession. The official deadline for registration has passed, but often times additional companies are needed. For more information, see the following website <http://www.same-balt.org/DWAE/studentDWAEfrm.htm>

### 2002 Wood Bridge Challenge, February 23, 2002:

Volunteers are always needed to help set up and judge this annual event. Come out and see the bridges created by local students. If you are interested in participating in this annual event, contact Mandy Cody at [acody@kci.com](mailto:acody@kci.com)



### 8th Annual Indoor Putt-Putt Golf Tournament

March 23, 2002

Come help raise money at this annual event for the ASCE scholarship fun. The evening of golf, food & fun begins at 6:00 PM. Discount tickets are available to YM's who help set up/take down the golf event! So come out, meet some new friends, help the scholarship fund and have a great time! Contact Mandy Cody for more details: [acody@kci.com](mailto:acody@kci.com)

### Annual Boy Scout Volunteer Project

May 2002

Come lend a helping hand to the local boy scout camp. This annual event has become quite a success. Look for more details in upcoming newsletters!

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### Presenters

George G. Goble, Ph.D., P.E. is a consulting structural engineer specializing in deep foundations with emphasis on driven piles. He was on the Civil Engineering Faculty at Case Western Reserve University for 15 years and spent another 15 years at the University of Colorado where he taught courses in structural design and analysis. He recently retired from Pile Dynamics, Inc. and Goble Rausche Likins and Associates, Inc. firms that he founded that specialize in dynamic testing of deep foundations. He has designed several large pile foundations. For the past several years, he has taught several deep foundations courses each year. He is a consultant in deep foundation design and installation.

Jerry A. DiMaggio, MSCE, P.E. is a principal geotechnical engineer with the Federal Highway Administration in Washington D.C. and is a member of the adjunct faculty at the University of Delaware, and Johns Hopkins University. With over 30 years of experience in geotechnical and foundation engineering practice, involving deep foundation and earth retaining structures design and construction monitoring, he has become well known in this field. He serves on numerous national committees and task forces related to the development of technical guidelines, specifications and testing standards related to geotechnical and foundation practice, and has presented over 250 seminars and workshops for professionals in design and construction of bridges, retaining walls and earthworks.

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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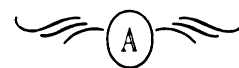
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# SECTION ANNOUNCEMENTS



Rummel, Klepper & Kahl, LLP (RK&K) has named J. Michael Potter, P.E. a Partner, effective April 1, 2002. Potter, an Associate with the firm for two years, will provide technical leadership and share management and marketing responsibilities in RK&K's Construction Engineering Department with current partner Stephen W. Kagay, P.E.

Potter's 23-year career has included experience in construction, construction management, design and manufacturing. Before joining RK&K, he spent eight years serving in senior management positions for two Maryland consulting engineering firms responsible for their construction management groups. Earlier in his career, Potter held various positions in the concrete and heavy steel construction industries as well as structural engineer for Maryland consulting firms. Overall, he has managed numerous construction management and inspection services contracts in Maryland, Pennsylvania, Virginia and North Carolina.

Potter, a Timonium resident, has a Master of Business Administration degree from Loyola College, a Bachelor of Science degree in Civil Engineering from Virginia Polytechnic Institute and is a registered professional engineer in Maryland and Virginia. He is an active member of the Maryland Association of Engineers, County Engineers of Maryland, Virginia Road and

Transportation Builders Association and a Past President of the National Capital Chapter of the Construction Management Association.



Daft-McCune-Walker, Inc. (DMW), the towson based engineering, land planning and design consulting firm has announced the following promotions: Rick Hoehn has been named Vice President and Director of Planning Services, Fritz Behlen, Senior Associate of Landscape Architecture, John Seefried and Charles Main, Senior associate of Civil Engineering, Eric Hadaway, Senior Associate of Environmental Services, and Steve Cumor, Project Manager of Surveys.



KCI Technologies, Inc, has appointed Scott Sternberger and Laura D. Johnston to its Board of Directors.

Sternberger, a senior vice president in charge of KCI's Northeast Region, assumes the seat vacated by the company's Site/Buildings/Telecommunications Group manager Charles A. Phillips, Jr., RPLS. Sternberger joined KCI in 1985 as an environmental scientist and was appointed head of the Northeast Group in February 1999. He holds a bachelor's degree from West Virginia University and earned his master's degree from Shippensburg State University in Pennsylvania in 1984. Sternberger manages the Northeast Region from KCI's Harrisburg, PA Office and resides in Lewisberry, PA

Johnston, a KCI senior associate and

Corporate Communications Director, replaces Joseph F. Roth III, P.E., who manages the firm's Bensalem, PA Office. Johnston has served with KCI in Hunt Valley since 1992 and holds a bachelor of science degree in Journalism from the University of Colorado. She lives in Mays Chapel, MD.



KCI Tower Systems, Inc. is changing its name to KCI Wireless Services, Inc. on January 1, 2002. Founded in 1995, the Raleigh, North Carolina-based company employs 60 people and — along with its sister company, Maryland-based KCI Technologies, Inc. — is ranked among the top 20 providers of telecommunication services in the country by the *Engineering News Record*.

Based in Hillsborough, NC, KCI Wireless Services will continue to build sites throughout the mid-Atlantic and southern United States for wireless industry leaders, such as ALLTELL, Bechtel, SBA, AT&T, US Cellular, Cingular, Voicestream, Verizon, and Spectrasite. KCI Wireless Services also will continue providing construction and engineering services for microwave technology, radio installation and repairs, as well as antennae collocations, staying, as before, a few steps ahead of the ever changing telecommunications market.



Bury + Partners is please to announce the promotion of James B. Knight, P.E. to Managing Principal of the Austin Office

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**DATED MATERIAL INSIDE**

## – MEETING NOTICE – AMERICAN SOCIETY OF CIVIL ENGINEERS

**Date:** Wednesday, February 13, 2002  
**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:** William Gene Corley, Ph.D.  
**Program:** Building Performance Study of the World Trade Center Attack  
**Abstract:** On September 11, 2001, an attack on the World Trade Center Towers resulted in a severe fire followed by complete collapse of three buildings and severe damage to several others. The American Society of Civil Engineers immediately formed a Building Performance Study team to learn how the buildings performed in this tragedy. Dr Corley will describe the team, how a building performance study is done, and what the goals of the study are.

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**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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**Attention: Ms. Stephanie Hill**

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Guests: \_\_\_\_\_

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Mail, fax or email by: February 11, 2002, 12:00 noon

### **FUTURE MEETING DATES:**

**March 13, 2002**

**April 10, 2002**