

MARYLAND SECTION NEWS

Vol. 101 No. 10

December, 2001

Message from the President



As part of our strategic planning, we want to increase our involvement of civil engineers who work in government. In addition, we want to present diverse programs of interest to our membership. Our Wednesday, December 12th meeting at the Garrett-Jacobs Mansion will serve both of these initiatives.

December 12th Speaker -

Neil Pedersen, P.E.: Our speaker on December 12th will be Neil Pedersen, P.E., Deputy Administrator/Chief Engineer for Planning and Design for the Maryland State Highway Administration. Mr. Pedersen will talk about the Maryland Department of Transportation Consolidated Transportation Program that will be presented to the General Assembly in January. He will specifically address changes, new programs and how money will be spent on transportation and highways over the next six years. This capital investment program in our infrastructure fuels many jobs for civil engineers. With

an economy that is staggering through a recession, government investment is critical to the health of the civil engineering community.

Mr. Pedersen will also address new initiatives taking place at the State Highway Administration. These include partnering during the design process, "Thinking Beyond the Pavement" initiatives and the neighborhood conservation program. This should be a fascinating presentation. Please come and bring your questions.

"Civil Engineers in Government" Night -

December 12th: To encourage increased participation of government employees in ASCE during this 150th Anniversary year, our Board has decided to make our December 12th meeting "Civil Engineers in Government Night." With Neil Pedersen, an esteemed civil engineer in government service, speaking, we feel it is appropriate to invite government civil engineers to attend our Section meeting. As further enticement to attend, all government civil engineers attending will receive the dinner at the reduced student price of \$14. We hope that those who take us up on this great reduced rate can see what we are all about and hopefully will join us at future meetings.

Door Prizes:

Having raffle drawings for door prizes for those members who stay until the end of the meeting following our speaker

will continue at our December meeting. We will try to add fun prizes (our two tickets to a Ravens game was very appreciated at our October meeting. If you or your company would like to donate sports tickets or any other door prizes, we will recognize you and your company at the entrance table and even in our newsletter.

Indoor Miniature Golf Outing:

As we have done now for several years in a row, we intend hold our Annual Indoor Miniature Golf Outing again in the spring. For those who have never attended, we 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 does a great job organizing this. Keep your eyes on the newsletter for more information including the date and time.

Other Programs:

For our March meeting, we are investigating holding our meeting at the Maryland Historical Society which is only several blocks from the Engineer's Club. We would have access to the museum from 5 pm until 11 pm and have a buffet dinner at the museum. More details will follow.

For our June meeting, we are investigating a crab feast, a cruise or even possibly a Friday evening at the Aquarium. Stay tuned.

The Board and I hope to see you at our upcoming meetings. Please feel free to say hello and chat about Civil Engineering, the Ravens or anything else on your mind.

Meeting Notice

Due to a change at the Engineering Society of Baltimore, the contact information has again changed. The contact information for making reservations appears on the back page of the newsletter.



150 Years of Civil Engineering

[Editor's Note: Reproduced from ASCE 150 Year web page, www.asce.org/150. We recommend you go to this outstanding web page to see the many exciting events, programs and information on ASCE's 150 Year Celebration]

Civil engineers build the world's infrastructure. In doing so, they quietly shape the history of nations around the world. Most people can not imagine life without the many contributions of civil engineers to the public's health, safety and standard of living. Civil engineering's contributions to daily life, including transportation, clean water and power generation, are magnificent in scope and functionality.

Simply stated, civil engineers are creative, people-serving and problem-solving leaders who make our lives easier to live from one day to the next.

The American Society of Civil Engineers, a professional organization representing more than 123,000 civil engineers, celebrates its 150th anniversary in 2002. When the twelve Founders gathered at the Croton Aqueduct on November 5, 1852, and agreed to incorporate the American Society of Civil Engineers and Architects, one can only wonder if they dreamed the profound significance and long-lasting impact ASCE would have on the overall development of society. They laid a foundation for what proves to be one of the most prominent engineering societies in the world.

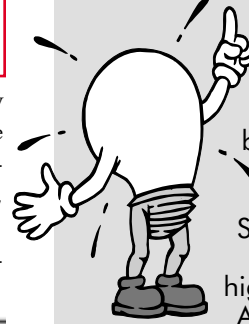


Croton Aqueduct, New York

Today ASCE is a worldwide leader for excellence in civil engineering. With a mission to advance professional knowledge and improve the practice of civil engineering, ASCE is a focal point for the development and transfer of research results, and technical policy and managerial information. Through strategic emphasis in key areas, including infrastructure renewal and development, policy leadership and professional development, ASCE delivers the highest quality publications, programs and services to its worldwide membership, demonstrating a daily commitment to sustaining the profession.

As civil engineering enters a new millennium, the American Society of Civil Engineers will take the opportunity of its 150th anniversary to reflect on the profession's rich heritage. Then, equipped with this knowledge, ASCE will develop flexible, forward-thinking plans for the future, and start its 151st year with a renewed foundation for progress, leadership and growth in quality.

Call for Articles, Ideas, & Input



We need articles and information to be used in future MD ASCE Newsletter. See your project or event highlighted in print. All engineers and companies are thrilled to say they are published.

Have you or your firm recently completed an interesting or difficult project. Contact Frank Kaul, Newsletter editor and lets get it in print.

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NEWS FROM WASHINGTON

New Consolidated Form SF 330 Proposed in Federal Acquisition Regulation

On Friday, October 19, the Federal Acquisition Regulation (FAR) Proposed Rule 2000-608, New Consolidated Form for Selection of A-E Contractors, was published in the Federal Register for public comment. The proposed rule change will affect the selection of architect-engineer (A/E) contractors for the U.S. Department of Defense, General Services Administration, and national Aeronautics and Space Administration. The new form, SF 330, will replace Standard Forms 254 and 255 that have been used for 25 years. Comments are due to the FAR Secretariat by December 18, 2001. You may access the document at <http://www.asce.org/publicpolicy/fedletters.cfm>

U.S. Oil, Gas Reserves increased in 2000, says DOE.

U.S. Crude oil, natural gas, and natural gas liquids proved reserves increased in 2000, according to the Energy Information Administration (EIA) of the Department of Energy.

Proved reserves of dry natural gas increased 6%, by far the largest increase since EIA has been estimating the nations proved gas reserves. Such an unusually large increase should not be expected to occur very often in the future, because the number of frontier areas is diminishing. In addition, the unusual combination of a large increase in the number of exploratory wells and a large increase in total discoveries per exploratory well is unlikely to occur very often in the future, because an increase in the number of exploratory wells usually decreases discoveries per well, the EIA said.

Reserves additions replaced 152 percent of U.S. dry natural gas production. The majority of natural gas proved reserves addition came from Texas and New Mexico in the Southwest, and from States with large coal bed methane reserves like Wyoming, Colorado, and Utah. U.S. natural gas proved reserves have increased in six of the last seven years. Natural gas liquids reserves increased in proportion with natural gas reserves.

U.S. crude oil proved reserves increased about 1%. Crude oil reserves additions replaced 115% of oil production. the majority of crude oil proved reserves additions came from the deepwater Gulf of Mexico Federal Offshore frontier area. Large total discoveries of crude oil in 2000 also came mainly from this Federal Offshore frontier area and the Alaskan North Slope, which both provided very high discoveries per exploratory well.

Proved reserves are the estimated quantities, which geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions.

ASCE NATIONAL NEWS

Explore ASCE's NEW History and Heritage Web site, the Heritage Knowledge Base.

This innovative resource, celebrating the Society's 150th Anniversary, allows users to search a database of people and projects important to the development of our nation and the world. The Visually intriguing site encourages members and the public to gain an understanding of the history of civil engineering and a valuable insight into our own lives, past and future.

Please visit the site and join in the enthusiasm of the past, while getting a glimpse of the future. For more information, please go to: <http://www.asce.org/history>.



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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SECTION ANNOUNCEMENTS

A. Morton Thomas and Associates, Inc. Consulting Engineers, is please to announce that Max Kantzer, P.E. has joined the firm as an Associate.



Bury+Partners is please to announce the addition of Joe Ballato, P.E. as Assistant Branch Manager of the Washington D.C. office.



The Deep Foundations Institute is please to announce that the 2001 recipient of the Distinguished Service Award is Mr. Stanley Merjan, P.E. Through this award DFI annually recognizes leaders in the deep foundation design and construction industry for their lifetime contributions to the profession. The award was presented at DFI's 26th Annual Members' Conference on October 5th in St. Louis, Missouri at the Ritz-Carlton.

Stanley Merjan is the senior consultant of

Underpinning & Foundation Constructors, Inc., located in Maspeth, New York. The company is engaged in the performance of all types of deep foundation contracts, including concrete, pipe, H and wood piles, drilled-in-caissons, braced sheeting and cofferdams, and underpinning. A specialty of this company is the TPT[®] Piling System which Mr. Merjan invented and holds 9 patents for. His responsibilities include all of the components of the business including bidding, negotiations, management of field operation and engineering.

Mr. Merjan graduated from City College of New York in 1948 with a B.C.E. in Civil Engineering and is a registered Professional Engineer in New York, Massachusetts and Florida. Stan has published three papers on piles for the TRB of the National Academy of Sciences, worked with BOCA Code Committee in 1981 on the piling code, and is co-author of a manual of recommended procedures for the installation of concrete

piles by ACI. Stanley is a life member of the ASCE, as well as a member of the American Concrete Institute, Deep Foundations Institute, the Moles and the National Society of Professional Engineers.



The Deep Foundations Institutes also announced the 2001 Outstanding Project Award was presented to Wagner Komuka Geotechnical Group, Inc. for the project, Miller Park Stadium, Milwaukee, Wisconsin. The award was given for value engineering and design of the deep foundations for the new home of the Milwaukee Brewers.

The project is unusual in that Miller Park, a premier state-of-the art baseball stadium with a fan-shaped retractable roof, is supported on a deep-foundation system consisting of both rock-socketed filled piers and soil-bearing driven piles. Miller Park is the heaviest structure in Wisconsin, weighing 500,000 tons.

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Presented by:

Joel Leininger, L.S. Mr. Leininger is managing principal of S.J. Martenet and Co., Inc. and a former member of the Maryland State Board for Professional Land Surveyors. He is a past president of the Maryland Society of Surveyors and former associate editor of *Professional Surveyor* magazine. He is a former survey department head at Fisher, Collins and Carter and a project manager with Daft-McCume-Walker.

James W. Whitehead, LS. Mr. Whitehead manages the Waldorf, Md., office of ATCS, P.L.C. specializing in land development activities including planning, engineering and surveying in Southern Maryland. He previously managed two Virginia offices of Dewberry & Davis. A civil engineering graduate of VPI, he is a member of ASCE and MSPE as well as a director of the Maryland Society of Surveyors. He is licensed in Maryland, Virginia, West Virginia and North Carolina.

- **Registration fee:** Members of sponsoring organizations: \$175 by Dec. 3; \$195 after Dec. 3
Nonmembers: \$195 by Nov. 30; \$225 after Dec. 30
- **Registration fee includes:** Refreshment breaks and reference materials prepared to accompany this program. These materials will serve as easy-to-use resources for you after the workshop.
- **Space limited:** Registration for this program may be limited by the number of seats available.
- **Format:** This will be presented as a live, interactive, lecture-style program.
- **Confirmations:** We will email or fax confirmations on Monday, Dec. 9.
- **Walk-in registration:** If space is available, you may register at the door. You should confirm that there has been no schedule change by phone or email the day before the seminar.
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DATED MATERIAL INSIDE

– MEETING NOTICE –
AMERICAN SOCIETY OF CIVIL ENGINEERS

Date: Wednesday, December 12, 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: Neil Pedersen, P.E., SHA Deputy Administrator/
Chief Engineer for Planning and Engineering

Program: Civil Engineers in Government Night

Abstract: Mr. Pedersen will discuss the funding program anticipated for the Maryland Department of Transportation and the State Highway Administration this coming year as well as the six year Consolidated Transportation Plan. Other topics will include the Neighborhood Conservation Program, Thinking Beyond the Pavement and partnering during design. Government civil engineers are welcome to attend this month at a discounted rate.

Government Civil Engineers	\$14.00
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Non-Members:	\$35.00
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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: _____

Mail, fax or email by: December 10, 2001, 12:00 noon

FUTURE MEETING DATES:

January 9, 2002

February 13, 2002