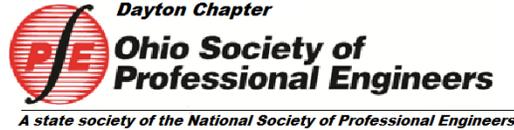


THE DAYTON ENGINEER

VOLUME 7, ISSUE 11

NOVEMBER 2016

Aviation History Month
USMC Birthday—10th
Veterans' Day—11th



Great American Smokeout— 17th
Homemade Bread Day—17th
Thanksgiving Day—24th

DESIGN FLAW OR CONTRACTOR ERROR? [FROM PINTEREST.COM]



—Jon Wheeler, P.E., Chapter Vice President

In This Issue:

- **Upcoming Chapter Meetings**
- **Christmas Party!!**
- **MATHCOUNTS**
- **OSPE/DSPE Calendar**

Have you ever thought about our engineering heritage? Where did it all start? Who did what to whom and when and how? From Aramcoworld.com, it is documented that the first restricted street parking was instituted in Nineveh, Assyria, under King Sennacherib, around 700 BC. The Suez Canal was first started under the reign of Nikau II, around 610 to 595 BC; then finished under the watchful eye of Darius I around 526 BC. Later, the it was completed to today's vision in 1869. The first municipal street lighting was, implemented in Antioch in Pisidia (now Turkey) around the 4th century BC. You know? It appears that engineering and history really can be interesting in their discoveries!

UPCOMING CHAPTER MEETINGS

NOVEMBER DSPE MEETING—10 NOVEMBER 2016

The November 2016 DSPE Chapter meeting will be on 10 November from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Dayton, OH 45402. Mr. Lee Hite, Tour Guide for Cincinnati Triple Steam, will present “**Why Cincinnati Has the World’s Largest Water Pumping Steam**

Engine”. More information can be found online at:

<http://cincinnati-triplesteam.org/>

A buffet lunch will be served. The cost is \$20 for members, \$30 for nonmembers and \$10 for students. Attendees will receive one (1) Professional Development Hour (PDH). Those wishing to attend

should make your reservations no later than Tuesday, 8 November 2016 with Ed Schlaack by email at SchlaackE@mcOhio.org or by phone at (937) 781-2632 (office).



DECEMBER DSPE MEETING—8 DECEMBER 2016

The December 2016 DSPE Chapter meeting will be on 8 December from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Dayton OH 45402. Three Graduate Students from the Air Force Institute of Technology, Mr. Brian Allen, Captain Shandon James, and 1st Lt David

Kohlhepp, will present a discussion about their thesis topics. A buffet lunch will be served. The cost is \$20 for members, \$30 for nonmembers and \$10 for students. Attendees will receive one (1) Professional Development Hour (PDH). Those wishing to attend should make your reservations no later than

Tuesday, 6 December 2016 with Ed Schlaack by email at SchlaackE@mcOhio.org or by phone at (937) 781-2632 (office).



JANUARY DSPE MEETING—12 JANUARY 2017

The January 2017 DSPE Chapter meeting will be on 12 January from 12:00 noon to 1:30 PM at the Engineers Club of Dayton, 110 Monument Ave, Dayton OH 45402. Ms. Aimee Pergalsky, National Business Development Manager with Euclid Chemical, will present a discussion on **concrete admixtures**. A buffet

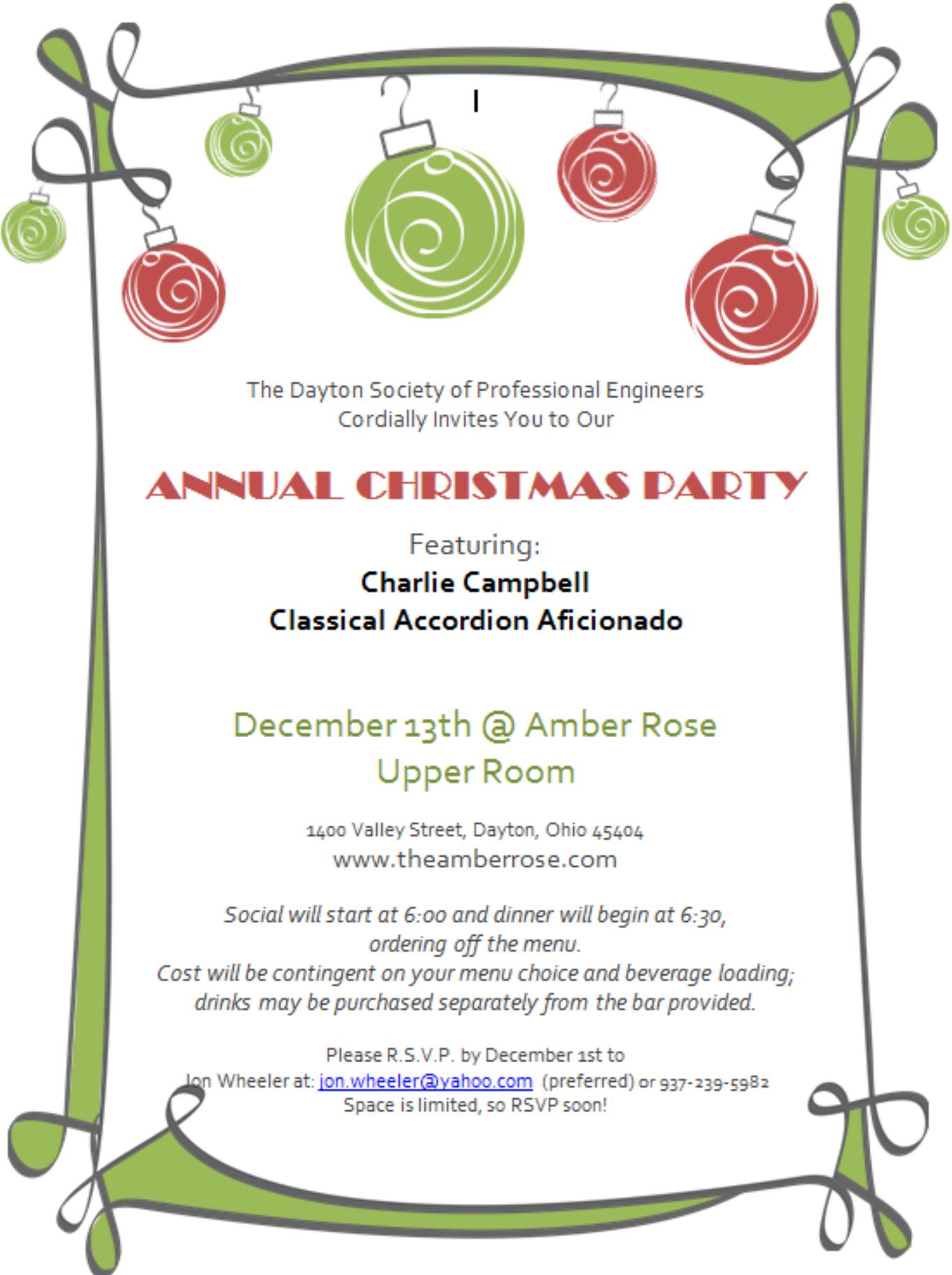
lunch will be served. The cost is \$20 for members, \$30 for nonmembers and \$10 for students. Attendees will receive one (1) Professional Development Hour (PDH). Those wishing to attend should make your reservations no later than Tuesday, 10 January 2016 with Ed Schlaack by email at SchlaackE@mcOhio.org or by

phone at (937) 781-2632 (office).



UPCOMING DSPE BOARD OF DIRECTORS MEETING

The next DSPE Board meeting will be on 8 November 2016 from 5:15 to 6:30 PM at the Wright State University Engineering and Computer Science Dean’s office conference room.



The Dayton Society of Professional Engineers
Cordially Invites You to Our

ANNUAL CHRISTMAS PARTY

Featuring:
Charlie Campbell
Classical Accordion Aficionado

December 13th @ Amber Rose
Upper Room

1400 Valley Street, Dayton, Ohio 45404
www.theamberrose.com

*Social will start at 6:00 and dinner will begin at 6:30,
ordering off the menu.*

*Cost will be contingent on your menu choice and beverage loading;
drinks may be purchased separately from the bar provided.*

Please R.S.V.P. by December 1st to
Jon Wheeler at: jon.wheeler@yahoo.com (preferred) or 937-239-5982
Space is limited, so RSVP soon!

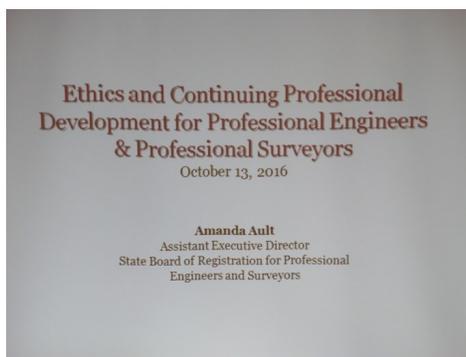
THANKS TO MS. AMANDA AULT, PEPS

We wish to express our thanks to Ms. Amanda Ault, Assistant Director for the Ohio State Board of Professional Engineers and Professional Surveyors, for coming to our October 2016 chapter meeting to present our annual Engineering Ethics



Update. Ms. Ault updated us on particulars dealing with our biennial Continuing Professional Development (CPD) requirements, including those activities that were acceptable and those that were not acceptable, per Ohio Revised Code 4733. She described the documentation requirements that each engineer needs to follow in order to prove their fulfillment of the CPD requirements. The required documentation includes the CPD log, provided on the State Board for Professional Engineers and Professional Surveyors website,

<https://peps.ohio.gov>, as well as the CPD provider's certificate of completion and any background information, such as an event flyer, agenda, etc. An important piece of documentation is the proof that the engineer attended the event. At all DSPE events, the participant does not receive the completion certificate until after the event has concluded. She described how documentation



may differ if one attends a conference or some other event that might offer multiple learning events and offered suggestions for proving participation.

A significant ethics principle that Ms. Ault emphasized was that at the time of renewal of one's Professional Engineers license, be absolutely certain you have completed all of the CPD

requirements for the period; if you have not completed the requirements, DO NOT sign the renewal form attesting that you have completed the CPD requirements. Doing so amounts to falsifying an official document and could lead to not only ethical action against you, but also criminal prosecution for that act. As an example, if you renew your license in the early part of December, and you only need one CPD credit to fulfill the requirement, and you plan to earn that credit at the December meeting. DO NOT sign the form saying you have fulfilled that credit, because life happens and you might not be able to attend that activity later in the month. So be safe and sign the form only if you have accomplished the entire CPD credit for the period. If you have not done all of the CPD requirements, contact the PEPS office and work with them. You might be late renewing your license a month or two, but you will not have committed or ethical violation.



Professional Engineers
Professional Surveyors

MATHCOUNTS BY CHRIS BROWN

Plans for the 2017 Dayton Chapter MATHCOUNTS competition are underway and it won't be long before mathletes from middle schools around the region will be squaring off to find out who receives top honors and advances to the state competition.

The 2016 Dayton Chapter MATHCOUNTS completion hosted seventeen area middle schools with 127 6th, 7th and 8th grade Mathletes competing for top individual and team honors. We hope to grow the competition this year with more schools participating and more mathletes exploring their love of mathematics!

The competition consists of three official scoring rounds and the un-official Countdown Round. In the Sprint Round, students work individually to answer 30 questions in 40 minutes. In the Target Round, students work independently to answer four pairs of questions with only six minutes to answer each pair. The final competition is the Team Round where students work in teams of four to answer 10 questions in 20 minutes. The Countdown Round is a fast-paced round where the top twelve students face off head-to-head in a test of speed and accuracy. The Countdown Round is held for fun and does not determine the overall competition winner nor advancement to the State Competition.

The 2017 event will be held at the **University of Dayton** on **Saturday February 25th**. Volunteers are needed to help organize and prep the exam materials for the competition, helpers to administer the exams and scorers to grade. Volunteers don't need to be limited to DSPE members. Please share the call for volunteers with co-workers, friends, spouses or any of the local college engineering or math student organizations who may be interested in getting involved. It is a great way to support the DSPE chapter and help our future engineers and scientists develop their math skills.

We also need help getting the word out to the local middle schools about the MATHCOUNTS program. If you know a middle school (6th, 7th or 8th grade) math teacher or school administrator who may be interested in learning more about MATHCOUNTS, please point them to the DSPE Chapter MATHCOUNTS coordinator.

Finally, MATHCOUNTS can use your financial support. If you or your organization would like to make a donation to support MATHCOUNTS at either the state or local level, please contact the DSPE Coordinator. Your donation will go directly to support costs of the testing materials and other expenses such as lunch, student t-shirts and awards. All donors will be recognized at the MATHCOUNTS event.

For more information about MATHCOUNTS, to volunteer or donate, please contact the DSPE MATHCOUNTS coordinator, Chris Brown at chris.brown@bwsc.net or 937.428.5234. Also visit the MATHCOUNTS website at www.mathcounts.org

MATHCOUNTS®
FOUNDATION

DAYTON CHAPTER—OHIO
SOCIETY OF PROFESSIONAL
ENGINEERS

4367 Sillman Pl.
Kettering, OH 45440-1140

Phone: 937-225-6040
Fax: 937-496-7441

WE'RE ON THE WEB!
WWW.DSPE.ORG



OSPE is dedicated to the advancement of professional engineers in Ohio and is the single most powerful voice representing all disciplines within the engineering profession. The Dayton Society of Professional Engineers, is a chapter of the OSPE serving the local Dayton Region. DSPE aspires to conduct a monthly chapter luncheon meeting that will serve our members by providing an opportunity to come together to share professional experiences, to network, and to gain continuing professional development through interesting presentations on a variety of technical, management, and ethics topics on all engineering disciplines. **Is there anything you would like to see in the Newsletter? Please let me know: jon.wheeler@yahoo.com.**

— Jon Wheeler, P.E., DSPE Vice President, Newsletter Editor

FINANCIAL CONTRIBUTIONS TO HELP MEET CHAPTER MISSION



Our chapter activities are focused on youth education and scholarships and include **2nd Grade Coloring Contest via ImagineEngineering**, and **Middle School MATHCOUNTS**. These are our Society's flagship events to bring to our youth an awareness of the value of science,

technology, and especially the engineering profession. It requires hands-on participation and financial contributions from our members, that's you and me. Your personal and corporate financial contributions are solicited through our Engineers Foundation of Ohio (EFO) to help us host these events on a local, state, and national level (except for the coloring contest). Please consider making a personal

contribution and soliciting from your company, if they have a community relations department. Contributions through EFO are fully tax-deductible. Please contact us for the tax ID number for your records. Even more important for the success of these events is your hands-on participation. Please contact a board member for opportunities.

DSPE/OSPE/EFO CALENDAR

- | | |
|---------|--|
| 1 Nov | ImagineEngineering Launch |
| 3-4 Nov | EFO Fall CPD Conference, Bridgewater Banquet & Conf Center, Columbus |
| 8 Nov, | DSPE Board of Directors Meeting, Wright State Engineering Dean's Conf Room |
| 10 Nov | DSPE Chapter Meeting, Dayton Engineers Club |
| 1 Dec | December CPD/PMP Seminar, Doubletree Cleveland-Independence |
| 2 Dec | December CPD/PMP Seminar, Hilton Garden Inn, Toledo-Perrysburg |
| 2 Dec | OSPE/EFO Board and Committee Meetings, Columbus |
| 5 Dec | December CPD/PMP Seminar, Four Points by Sheraton, Cincinnati North |
| 8 Dec | DSPE Chapter Meeting, Dayton Engineers Club |
| 13 Dec | DSPE Christmas Party, Location TBD |
| 13 Jan | OSPE Membership Committee Meeting |
| 13 Jan | EFO Fund Raising Committee Meeting |