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Franklin County Chapter
Ohio Society of Professional Engineers

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PRESIDENT'S MESSAGE

By Devon E. Seal, P.E. / FCC President



At the ceremony for new Professional Engineers and Engineer Interns this past month I was reminded again of our obligation to protect the health and welfare of the public above all else. As we struggled to fit all of the newly licensed engineers on the stage for the photo, I considered how our profession is growing, and that the laws and regulations governing the practice of our profession are constantly changing.

This month one of our OSPE board members will be the speaker for our luncheon. Mr. Jeff Kennedy, P.E. will be discussing the

work the OSPE does at the State House to protect our licenses when new legislation is introduced that might impact our ability to protect the health and welfare of the public. This is an important service that OSPE provides to its members and I often do not appreciate the effect that some of this legislation might have on my day-to-day engineering practice.

The Franklin County Chapter is continuing to prepare for the OSPE annual meeting in June. We are looking for some volunteers to help with check-in and registration throughout the meeting. If you are interested in volunteering, please contact me (614-208-6986 or devon_seal@gsnet.com).

Please read the article on page 2 about the Annual Meeting.

FCC-OSPE September Luncheon Program

- DATE:** Thursday, April 26, 2012
- PLACE:** The Hickory House
550 Officecenter Place, Gahanna, OH
- TIME:** Registration: 11:30 am
Lunch: 11:50 am
Speaker: 12:05 pm
Closing Remarks: 12:55 pm
- COST:** Advance Reservation: Members: \$20.00
Non-Members: \$30.00. Call Chapter at 470-4170 or email registration information to OSPEFCC@aol.com by April 19. Please include name and phone number.
Pay at the door (check payable to FCC-OSPE)

PROGRAM: Jeff Kennedy will be speaking about his duties as OSPE's Vice President of Legislative and Government Affairs. He will discuss L&GA's process for deciding on which bills get committee attention, why or why not a particular bill may be supported or rejected and share some examples. The role individual OSPE members play in furthering professional engineering's legislative agenda will also be presented.

SPEAKER: Jeff Kennedy, P.E. is president and chief bridge engineer in the firm Shaffer, Johnston, Lichtenwalter &

Associates, Inc. and is also the managing principal for Shaffer Pomeroy, Ltd., both based in Mansfield, Ohio. He was elected president of the Ohio Society of Professional Engineers in May 2005 and served until June 2006. He has also served as the North Central Chapter representative on the OSPE Board of Directors and the Engineers Foundation of Ohio Board of Trustees; as a chapter Mathcounts coordinator and as a member of the OSPE Legislative and Governmental Affairs Committee. He is currently serving his third term as OSPE's Vice President of Legislative and Governmental Affairs, where he has served since 2007.

As a bridge design engineer since 1985 in Indiana and since 1993 in Ohio, Kennedy has been responsible for the designs of over 90 bridges and culvert structures for the States of Indiana and Ohio and various counties and municipalities in both states. He has done the hydraulic and load rating analysis of many of those structures and has performed structural and foundation designs for private clients, as well.

Kennedy is a registered professional engineer in Indiana since 1990 and in Ohio since 1993. He graduated in 1983 with a Bachelors of Science in Civil Engineering degree from Purdue University in West Lafayette, Indiana.

Special drawing: One attendee at this luncheon will win complimentary admittance to the OSPE Annual Spring Conference

Volunteers Needed for the Spring Seminar

Hello, fellow members of the Franklin County Chapter of the Ohio Society of Professional Engineers. Once again we must ask you to volunteer to help at the OSPE Spring Seminar and Annual Meeting to be held June 1 and 2 at the Airport Marriott Hotel. As you know FCC is the host chapter this year. Let's make this the best seminar, yet. But we need your help to manage the registration desk, as guides for the very interesting tours and many other things that need personal attention. The OSPE staff will be there in full force but they cannot be in every place. The committee is well aware of your commitment at the Engineers Week Luncheon, at the MATHCOUNTS competition of FCC and the following month at the State competition, at the Certificate Ceremonies and judging at the regional Science Day for Junior High and High School students. **We thank you.** But we need your help once again. Please contact Howard Jones (hrjones63@yahoo.com), Devon Seal (devon_seal@gspnet.com) or Leon Winget (jolewin2@sbcglobal.net or lewinget@att.net). You also may contact the OSPE Office directly at efo@ohioengineer.com.

This year's seminar will emphasize the energy resources of Ohio, and especially the new development of the eastern Ohio shale. Speakers will cover many topics related to the development of Ohio's natural gas, such as the economic development within Ohio, the new and novel fracking methods, the siting aspects of moving the gas from the wells to a central gathering point, the effect of potential temporary housing, the environmental aspects, the utilization of natural gas in transportation, etc. There will be three different panels discussing the merits and potential impacts, legislative and regulatory updates, which we know, you will want to interact. In addition, there is a tour to a new facility for the compression of natural gas for transportation and a new building that was the first to achieve a "Platinum LEED Rating" in Ohio.

Hey, we are sure that you will want to be a part of this great seminar. Please submit your name to one of the above, stating that you want to be a volunteer.

Imagine Engineering Coloring Contest

The Franklin County Chapter winners are:

1st Place - Nate (Nathan) Bakenhaster, Summit Road STEM, Mrs. Patterson (teacher)

2nd Place – Aria Crawford, Avery Elementary Hilliard, Mrs. Mingarelle

3rd Place – Addie Smart, Summit Road STEM, Mr. Hardy

Thirteen schools in the Franklin County Chapter Area participated in the Imagine Engineering Coloring Contest this year. The kids submitted over 250 entries for the contest. Members of the FCC Board of Trustees selected the top three entries to be submitted to OSPE for the State judging. Each of the three winners in the Chapter will receive a prize to be presented this month.

March Auxiliary Luncheon

The Auxiliary to the Franklin County Chapter of OSPE will meet on Tuesday, April 17, at Worthington Hills Country Club, 910 Clubview Blvd. South, Worthington, Ohio. Following the noon luncheon, Physical Therapist Jen Morgan, DPT, from the Ohio Orthopedic Center of Excellence is to speak.

Marlene March will give the invocation and lead the pledge of allegiance, and Elizabeth Vaughn is to be hostess. Election of officers for 2012-13 is scheduled.

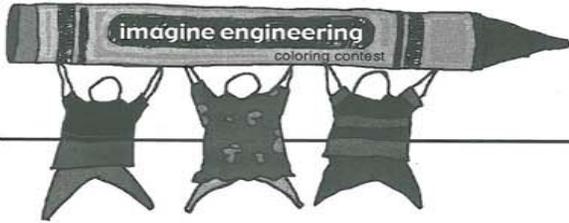
New members and guests are welcome. Call Jean Mitchell at 262-7071 to make a reservation

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Directions:

- 1) Print your name, your school's name, and your teacher's name here
- 2) Think about what engineers do in your hometown.
- 3) Draw and color an original picture of engineers working.
- 4) Turn in your art to your teacher by the deadline announced in class.
Your teacher will need to return artwork to your Ohio Society of Professional Engineers' volunteer by his or her deadline.
- 5) We will notify the state's top three winners.

Thanks for participating, and **HAVE FUN!**

Prizes:

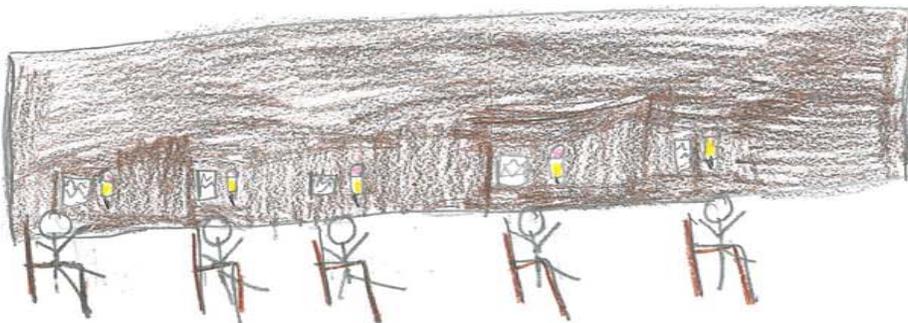
The 1st, 2nd and 3rd place statewide winners will win:

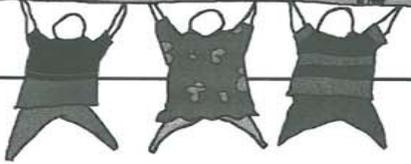
- 1st -- Telescope (\$200 value)
- 2nd -- Big Screen Microscope (\$60 value)
- 3rd -- MathShark Skill Game (\$40 value)

In addition, the 1st place winner will have his/her art and school photo published in **OhioENGINEER** magazine!

Name: Nate (Crotcham) Bakermaster
School and City: Summit Elem. Reynoldsburg
Your Teacher's Name: Mrs. Poffersoll

Top of Coloring





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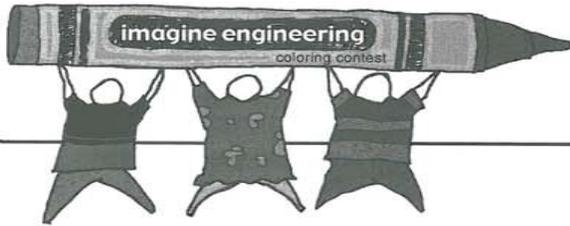
- 1st -- Telescope (\$200 value)
- 2nd -- Big Screen Microscope (\$60 value)
- 3rd -- MathShark Skill Game (\$40 value)

In addition, the 1st place winner will have his/her art and school photo published in *OhioENGINEER* magazine!

Name: Aria Crawford
 School and City: Avery Hilliard
 Your Teacher's Name: Mrs. Pingarelle

Top of Coloring





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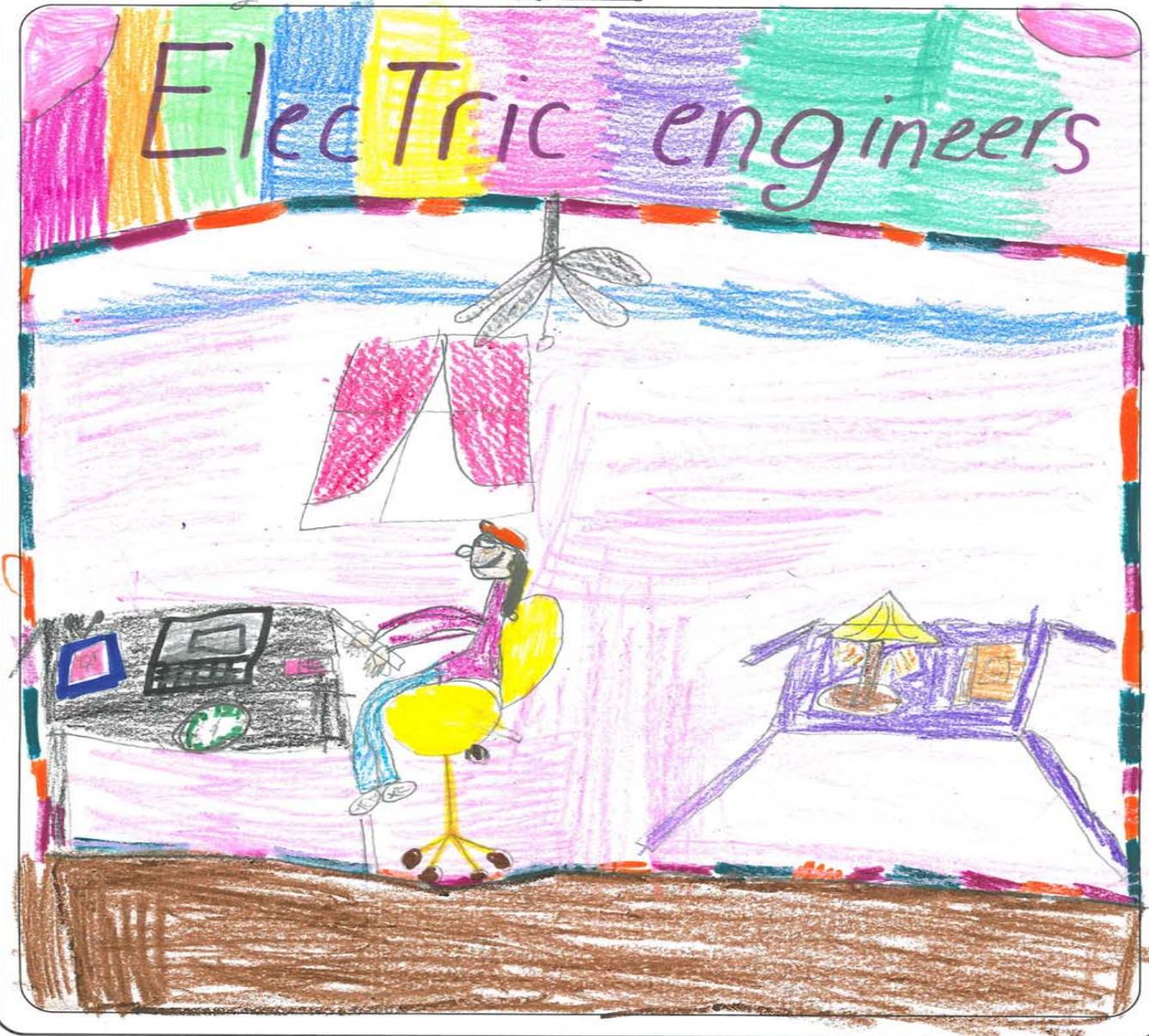
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Thanks for participating, and **HAVE FUN!**

Name: Addie
 School and City: Summit Rd Reynoldsburg
 Your Teacher's Name: Mr. Hardy

electric engineers

Top of Coloring



MATHCOUNTS®

The State MATHCOUNTS competition was held March 10, 2012 at the Columbus State Community College. Seventy-eight schools were represented at the competition with a total of 200 students. A total of 197 students, including 32 teams of four students each, took the tests. Each region sent one team and two students not on a winning team, for each ten schools that registered for that region. In addition, seven state-wide at-large students were selected based on their individual scores. The tests this year were a little harder than in the past. The high score on the Sprint Round was 25/30 and the high score on the Target Round was 14/16. Of the 197 students only 14 students scored greater than 50% of the maximum score on the two individual test rounds, Sprint and Target.

The winning school was Birchwood School, coached by Charles Debelak, from Northeast Ohio Chapter (formerly Cleveland). Mr. Debelak will coach the Ohio team for the Nationals in Orlando, Florida. Mr. Debelak coached the Ohio team last year. The schools in the top 25% that are from the FCC Regional Competition are listed with their ranking below:



3. Dublin Grizzell MS (Franklin), April Lucas



4. Dublin Sells MS (Franklin) Jodi Van Vranken



5. Dr. Henry Karrer MS (Franklin) Katy O'Neal



6. Granville MS (Franklin) Jill Dunham

7. Olentangy Hyatts MS (Franklin) Doug Gibby

13. Phoenix MS, (Franklin) Jeff Tewart

The four top students, who will represent Ohio at the Nationals on May 11, are:

1. Clive Chan, Birchwood School (Northeast Ohio)
2. Peter Zhu, Mason Intermediate (Cincinnati)
3. James Zhu, Mason MS (Cincinnati)
4. Kavya Ravichandran, Birchwood School (Northeast Ohio)

The FCC Regional students that made the top 25% list, and their ranking, are:

6. Simon Zhuang, Dublin Grizzell MS (Franklin)
7. Sarah Wang, New Albany MS (Franklin)
10. Sahitee Batchu, Dublin Grizzell MS (Franklin)
14. George Chen, Dr. Henry Karrer MS, (Franklin)
15. Varun Srikanth, Hilliard Memorial MS, (Franklin)
16. Annie Zou, Phoenix MS (Franklin)

(continued on page 7)

(Mathcounts continued from page 6)

Note that the top 16 students (of which six were from Franklin County Chapter) won a position in the Countdown Round, which was so masterly conducted by our own MC, Jim Arnold.

My thanks go to you Jim Arnold. I also thank Jeff Bullock, and his crew from Cincinnati for the timely manner of running the Scoring Room. I thank the many Franklin County Chapter volunteers for their help at the State Competition. The competition was conducted on schedule and without any major gaffes. I thank also the MATHCOUNTS committee, Tina Sutermeister and Howard Jones, and the other FCC members who filled-in at the Countdown Round at the last minute, namely Steve Day along with Howard. (I hope I did not twist your arm too tightly.) Also, I give a sincere thanks to Tai C. Wong for funding the volunteer refreshments.

Engineer for A Day - Summary

By Michael O. Akpan, EFAD Chair

During Engineers Week this year, the Franklin County Chapter held Engineer For A Day at various organizations around the Columbus area.

The overall aim of the program is to help the students gain a better understanding of the engineering profession. It is hoped that this first-hand experience of the engineer's role will impact the students' future career choice as an engineer.

The student participation in the program increased this year. We have had good support and feedback from the participating schools. We had a total of 74 students participate from 18 schools. The total number of companies that participated this year was eight; we need more organizations to participate.

Please provide the FCC office of any additional information to update your company contacts. We have lost some of our past contacts and need to establish new ones and update the current contacts.




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Presentation to Reynoldsburg STEM School

by Joe Bolzenius

On March 26, 2012 I gave a presentation to all three second grade classes at the Reynoldsburg Summit Road STEM school. The experience was excellent and I look forward to doing something like this again! The teachers explained that they are discussing city planning, and that they had just finished a book about how the Gingerbread man escapes from everyone (including the fox) and meets up with other gingerbread people. They decide to start their own city but decide to first do some planning. The teachers told the kids that they were going to hear from a civil engineer about City Planning.

When I spoke to the kids, it was in an amazing dome-shaped building called a "yurt". The kids sat on the floor and I was in front of a dry erase board. I started by drawing a river down the middle of the board and explained plan views. I then drew a small city by adding one element at a time, roads, houses, businesses, utilities, etc. I stressed the importance of making different types of development (residential, commercial, agricultural, industrial and recreational) be interconnected. The kids surprised me by suggesting things we needed: bridges across the river, a city landfill, shopping, churches, schools, fire station, hospital and other features. They really seemed to enjoy my presentation and I think they learned something. I hope that they also got a positive impression about engineers and think that some may consider engineering as a career in the future.

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2012 CALENDAR

Apr. 10	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
Apr. 15	9:00 p.m.	<u>Deadline for May Columbus Engineer</u> (articles to Tim McCarthy)
Apr. 17	Noon	FCC-OSPE Auxiliary luncheon at Worthington Hills Country Club
Apr. 26	Noon	FCC-OSPE Luncheon - Hickory House, Gahanna, OH
May 8	5:30 p.m.	FCC Board Meeting @ Korda Nemeth
May (TBA)		FCC-OSPE Installation Dinner - Hickory House, Gahanna, OH
June 1&2		Ohio Spring CPD Conference - Columbus Marriott Airport Hotel



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