



Broome Chapter

The New York State Society of Professional Engineers, Inc.

The Founding Society of the National Society of Professional Engineers



October 2013 Newsletter

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Dr. Walter Bray	Mathcounts
Open	Continuing Ed
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Open	Director (3 yr left)
Tom Mathias	Director (2yr left)
Open	Director (2yr left)
Gary Wood	Director (1yr left)
Wonjune Hong	Director (1yr left)

Sallie Valentine Newsletter Editor
svalentine@deltaengineers.com

Message from the President

Dear Colleagues,

The new school year has started, there is a chill in the morning air, and with memories of the summer, we resume our busy schedules. I'm sure many of you have not let up even in the summer. Still we continue to give our time for the good of the profession. I'd like to recognize a few people for their contributions.

Tom Mathias has chaired our Scholarship Committee for the last few years. He solicits you yearly for contributions. He has established a new scholarship for Tompkins Cortland Community College working with the college administration. He continues to be the contact person for the Broome Community College and the Binghamton University scholarships. In addition, fulfilled the requirements and became a Practicing Institute of Engineering course evaluator. Tom will be helpful during the busy time before our annual symposium evaluating courses.

Dr. Walter Bray has run the Mathcounts competition at SUNY Delhi for almost 20 years. His enthusiasm makes the competition

fun, not only for the students, but also parents and teachers, and Dr. Bray's student volunteers, and our chapter volunteers.

Gary Wood enlisted the Rotary Club to be a part of a recent meeting (see article). What an excellent way to reach out to the community.

Thank you to Sallie Valentine for becoming our newsletter editor. Please contact her with any news.

Thank you also to Wonjune Hong, Jim Shurtleff, and Tim Hanna for their continuing support for our symposium and other activities. Thank you Board of Directors for keeping an eye on the future.

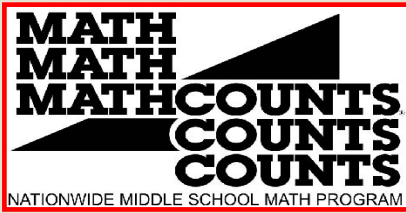
Lastly, thank you Don Brown for helping at Mathcounts even though your eyesight is not what it used to be; you are an inspiration to the rest of us.

I am proud to be a member of this chapter and to be associated with the people I have mentioned. I hope you all can take advantage of our symposium on October 15.

Take Care,

Frank Roma, P.E.

President



Past Events

MathCounts

Our annual MathCounts competition was successfully held at SUNY Delhi on February 2, 2013. The Broome Chapter has been hosting this competition since 1985 when Don Brown and John Martin organized the first local event with the aid of a \$5000 grant from the Utica office of NYSEG. The first competition was held at Endicott's Jenny F. Snapp Middle School. Jenny F. Snapp was the sole entrant with 16 mathletes. Until moving the competition site to SUNY Delhi in 1997, contest locations were rotated between participating middle schools. Don Brown served as State Coordinator for 5 years in the late 80s. During his tenure local middle school teams were twice state winners.

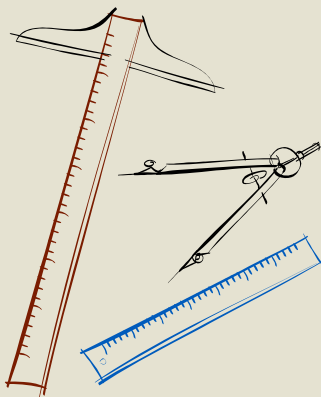
This year's competition involved some 61 students and 10 coaches from 7 southern tier middle schools. Coach Melissa Smith's Boynton (Ithaca) team took first place honors. Placing second and third were the teams from Dewitt (Ithaca) and Vestal Middle Schools. The Dewitt team is coached by Mr. Byung-Ryool Hyun and the Vestal team coached by Mrs. JoAnn D'Angelo and Mrs. Cathy Jeremko. These three teams will travel to RPI on March 16 to compete with students from across New York State and a chance to attend the National competition being held May 10, 2013 in Washington, DC. Lisa Yoo, Lansing Middle School and James Park, Boynton Middle School will also compete at RPI as individuals. Top scoring boy and girl mathletes were Zachary Stillman and Soyeong Lee both from Dewitt Middle School. 10 NYSSPE members and 8 SUNY Delhi math students were on hand to register groups and distribute gifts, to distribute, collect, collate and score exam papers and to otherwise provide assistance with the myriad details involved.

MathCounts, as the most well-known middle school mathematics competition, began when a local Alabama math competition sparked the interest of the National Society of Professional Engineers (NSPE). Inspired by an opportunity to develop a competitive environment for increasing the interest of middle school students in mathematics, NSPE joined with the National Council of Teachers of Mathematics and the CNA Foundation to develop and provide materials for the first national-level competition in 1984. The program has grown such that now some 250,000 students are exposed to MathCounts materials and over 6000 schools participate in local competitions annually.

The annual recognition dinner was held at the Elm Tree Inn in McLean on May 30, 2013, as the program for the weekly Groton Rotary Club. Broome Chapter members, students, parents and coaches attended. In addition to recognizing the winning students, a member of the Ithaca High School robotics team made a slide presentation of their activities preparing for national competition.

I would like to thank the following members for volunteering their time to help with planning and hosting this event, and Walter Bray for writing this article.

Walter Bray, PE	Don Brown, PE	Jim Catella, PE
Jim Shurtleff, PE	Paul DeAndrea, PE	Chuck Goodwin
Paul McCabe, PE	Frank Roma, PE	Gary Snyder
Gary Wood, PE		



MATHCOUNTS®

AWARDS DINNER PHOTOS

Broome Chapter Website:

www.broomepe.org

NY State Website: www.nysspe.org

National Website: www.nspe.org





Newsletter Editors Message

Sallie Valentine, PE

In today's society where timely information is often one of the most important commodities, it seems collaboration is both desirable and inevitable, whether it is in business or at the university level. While attending the freshman orientation at the Massachusetts Institute of Technology last month with my daughter, I learned more about collaboration and the significant role it plays in the lives of the students and professors at MIT. After listening to Rafael Reif, President of MIT, speak about the benefits of collaboration, and how it provides the opportunity to find solutions to design problems that could otherwise not be attained, I thought this was something I could focus on and use in my own professional life. Our competitive global economy requires companies to innovate more quickly and produce more effectively, and the way we create, share, discuss and manage information is the key to future success. I think the exchange of ideas, thoughts and hypotheses as well as the feedback from fellow colleagues (including NYSSPE members and nonmembers) resulting from collaboration could be a great reward whether working on a team for a large project or as a small group or individual.

As always, I would like to continue to encourage our members and nonmembers to feel free to contact me or any of our Board Members with news or opportunities to include in each newsletter

Chapter News

It is with a heavy heart that I write about the passing of Vernon Otto Shumaker (Bud) on October 1, 2013. On behalf of the Broome Chapter, I would like to express to Bud's family our sincere sadness and sympathy at this difficult time.

Upcoming Events

Engineering Symposium and Professional Development Seminar: (Go to www.broomepe.org to register)
See attached Engineering Symposium Flyer

Date: October 15, 2013
 Location: Binghamton Holiday Inn Arena
 Time: 8:00 am to 4:00 pm
 6 PDH's

SEPTEMBER 2013						
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29	30					

OCTOBER 2013						
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27	28	29	30	31		

NOVEMBER 2013						
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3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Broome Chapter Website: www.broomepe.org
 NY State Website: www.nysspe.org
 National Website: www.nspe.org

2013 Southern Tier Professional Development Symposium
Tuesday, October 15, 2013
Binghamton Holiday Inn Arena

REGISTRATION 8:00 - 8:30 A.M., Outside Johnson City Room (includes coffee, muffins and fruit)

Latasse Room	Southern Tier Room	Johnson City Room
Civil	Electrical/Mechanical	Professional/Environmental
Marcellus Shale 102-An update on the Status of Marcellus Shale Development in NY; Bill Kappel	Air Transport Engineering- Foundations of Operational Safety; Fred White	Energy Savings for Piping Components Insulation; Jack McTigue
9:30 - 9:45 Break	9:30 - 9:45 Break	9:30 - 9:45 Break
Dam Safety, Gregory J. Daviero, PhD, PE	Electrical and Arc Flash Safety I; Bill Maxwell (2 pdh)	Lubricants and Lubrication from the Well (or Chemical Synthesis) to the Application; Neville Sachs (2 pdh)
10:45 - 11:00 Break		
Approaches to Spillway Capacity Upgrades; Kevin Ruswick, PE		
12:00PM Lunch & Presentation "Engineering Ethics" (12:30 - 1:30)		
The Case for Subsurface Utility Engineering; James S. Thew, PLS	Air Transport Engineering- Fail Safe Structural Desgn; Fred White	Engineered Drainage Structures; Ryan Horsley
2:45 - 3:00 Break	2:45 - 3:00 Break	2:45 - 3:00 Break
Risi Stone, Unilock	Air Management & System Pressurization; Steve Krisko	Stormwater Subsurface Solutions; Rob LeMire

All Sessions are 1 pdh including Lunch for a total of 6 pdh.

EARLY PRE-PAID REGISTRATION DEADLINE: Saturday, October 5, 2013; Symposium Registration Includes Morning Refreshments, Buffet Lunch and Afternoon Refreshments; Register and Pay on-line (www.BroomePE.org) OR Send Pre-Paid Registration by Mail to the following address: Wonjune Hong, 416 Jodie Dr, Vestal, NY 13850. Make checks payable to "Broome Chapter NYSSPE". Refunds available if requested prior to 10/5/13.

MEMBER OF ASHRAE/ ASCE/ NYSSPE/ ACEC:	Early (Postmarked by 10/5/13) = \$80	Late (Postmarked after 10/5/13) = \$100
NON-MEMBER OF ASHRAE/ ASCE/ NYSSPE/ ACEC:	Early (Postmarked by 10/5/13) = \$100	Late (Postmarked after 10/5/13) = \$120
Name		
Company/ Society Affil'n.		
Address		
City/State/Zip		
Preferred E-mail		
NYS P.E. License #		