



# Broome Chapter

The New York State Society of Professional Engineers, Inc.

The Founding Society of the National Society of Professional Engineers



## March 2015 Newsletter

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### Board of Directors

<b>Frank Roma</b>	President
<b>Open</b>	First Vice President
<b>Open</b>	Second Vice President
<b>Jim Shurtleff</b>	Treasurer
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<b>Frank Roma</b>	NYSSPE Director
<b>Paul McCabe</b>	Alternate
<b>Dr. Walter Bray</b>	Mathcounts
<b>Paul DeAndrea</b>	Membership Chair
<b>Tim Hanna</b>	Director (3yr left)
<b>Ted Lauve</b>	Director (3 yr left)
<b>Tom Mathias</b>	Director (2yr left)
<b>Open</b>	Director (2yr left)
<b>Gary Wood</b>	Director (1yr left)
<b>Wonjune Hong</b>	Director (1yr left)
<b>Tim Hanna</b>	Website Administrator
<b>Sallie Valentine</b>	Newsletter Editor svalentine@deltaengineers.com

### Message from the President

Our chapter has completed what I would call the trifecta again this year. That would be the October Symposium, the Mathcounts competition, and the Engineers Week Dinner. Thank you to all of you who volunteered to make these events possible. We have one or two more events before the end of June – the Mathcounts and Scholarship awards and possibly a joint meeting with ASCE in Watkins Glen.

You may already know, but I need to tell you that the same people are volunteering for the events. In the long run we will not be able to do the things we are doing. In the next two months we will be asking for nominations for the Board of Directors and officers for 2015-2016. The official change is July 1. I am asking every member to volunteer for a director (2 positions) or an officer (President, President-elect, or secretary) or volunteer for the symposium, Mathcounts or Engineers Week.

The President leads the group in activities with support from the membership. I, myself, have had

tremendous support from the core people; you won't be in it alone. The President-elect helps the President and, hopefully, succeeds the President in the next year. The Secretary keeps minutes of the meetings (2-3 times per year)

Volunteers for the trifecta perform various activities; the more volunteers the merrier. Even if you do not volunteer, we could use help in getting presenters and speakers. Maybe, you have a topic yourself. Take the challenge. Again, we can help with the presentation and paperwork.

Don't let another year go by without doing something for the chapter. Please contact Sallie Valentine or me.

Take Care,

Frank Roma, P.E.  
President



# MATHCOUNTS®



Dr. Walter Bray, P.E. hosted the Mathcounts competition at SUNY Delhi on February 7, 2015. Chapter members and other volunteers judged the event. This year we had 92 mathletes competing, a record number. Our volunteers included students from SUNY Delhi and the following.

### Binghamton University students

Shane Tracy	Miles Garwood
Chris Parmentier	Brandon Pererya

### Community members

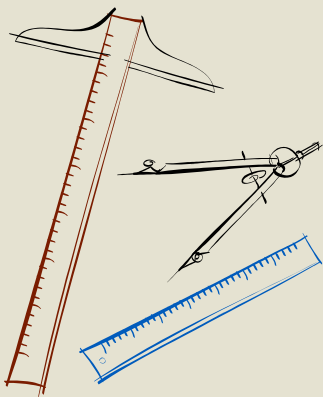
Chuck Goodwin,	Gary Snyder
Bob Strauss, P. E.,	Karen White (wife of Fred White).

### Chapter members

Dr. Walter Bray, P. E.	Frank Roma, P.E.
Jim Catella, P.E,	Jim Shurtleff, P.E.
Paul DeAndrea, P.E.	Fred White, P.E.
Debbie Howell	

The winner of the team competition was DeWitt Middle School, Ithaca, which edged out reigning champion second place Boynton Middle School, Ithaca. In third place, competing for the first time was Seton Catholic Middle School. Those three teams will progress to the state competition. Also advancing are the individual winners, not with the winning teams: Luke Shan, Liana Raguso, Andrew Lim from DeWitt, and Isabella Wang from Vestal Middle School.

Congratulations to the winners and all of the participants.



Students hard at work



Dewitt Middle School



Boynton Middle



Top Individuals

**MATH CONTESTS**  
**AWARDS DINNER PHOTOS**





## Engineers Week Dinner

Our chapter along with ASCE sponsored the Engineers Week Dinner on February 24, 2015, at the Holiday Inn Arena. Our compliments to the hotel. As part of the event, there were two poster sessions. One from Griffiths Engineering showing the results of the flood walls at Lourdes Hospital. The second was the SAE Baja car by Binghamton University students. They plan to complete the car next year and compete in the race for best fuel efficiency (maybe 1000 miles/gallon).

Our committee always looks for contemporary topics of wide interest for the talk. There was an article in the press last fall about Lockheed Martin's involvement in a drone helicopter used for firefighting. Consequently, the topic for our Engineers Week dinner. The speaker was Kevin Schlosser from Lockheed Martin. Kevin showed two types of unmanned helicopters. One could be programmed to deliver heavy supplies to a specific location and route. Kevin Schlosser is a Lockheed Martin Fellow which means he has gained tremendous knowledge and experience and is used on high level troubleshooting. You can see by his resume that he was involved in many projects since he received his bachelors degree in EE and computer science from Princeton University and Masters from Farleigh Dickinson University. The talk stitulated many questions.

Thank you to the following for their work in making the dinner possible:

Wonjune Hong, Ted Lauve, Tom Mathias, Frank Roma, Gene Rood, Jim Shurtleff, Beth Ann Smith, Lynne Yost, Sallie Valentine



SAE Baja Car - Binghamton University

### MARCH 2015

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29	30	31				

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31						



## Engineer of the Year

Ted Lauve described the Engineer of the Year award, and also announced a new award for next year; Young Engineer of the Year.

Frank Roma introduced Dr. Walter Bray as Engineer of the Year – 2015.

Dr. Bray started out working on a farm, which to me says a lot about his practical knowledge. He received his Bachelors Degree in Civil Engineering and Masters Degree in Construction Management from Union College. He had a number of Engineering jobs and, then attended Stanford University receiving his PhD in Soil Mechanics.

Dr. Bray operated in the academic world and in the engineering consulting world. He taught structural design and reinforced concrete design at Stanford University. Then he worked the Blenheim Gilboa pump storage plant in construction. At about the same time, he was teaching basic engineering courses at Cornell.

He became professor of Engineering Science at SUNY Delhi in 1972 and was responsible for the engineering science transfer program until his retirement in 2011. He taught numerous engineering and construction courses. But he couldn't stay away from field work; he was responsible for the geotechnical work for the South Texas Nuclear Generating Station. These days when you call Walt, you are told he's at the dump. Not being able to sit still, he has taken the responsibility from his county to manage the construction of a huge recycling center.

Locally, we know him for his work with Mathcounts which he founded with two other chapter engineers Don Brown and John Martin about 20 years ago. This year we had a record 92 student mathletes competing.

Doc Bray has always kept the students number 1 and they in turn keep him number 1. Congratulations Walt on being awarded engineer of the year 2015.



**Ted Lauve Presenting Engineer of the Year Award to Dr. Walter Bray**



**Kevin Schlosser – Lockheed Martin**