



Philadelphia Section Newsletter

Society of Women Engineers

November 2000

Vol FY01.3

NOVEMBER SECTION MEETING

Joint Meeting with SAME

US Airways' Terminal One at Philadelphia International Airport
-An Overview of the New Commuter Terminal

Speaker: Joseph A. Villante, PE, FACEC, VP-Burns Engineering

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Date: Wednesday, November 8, 2000
Time: 6:30 PM Dinner (Cocktails beginning at 5:30 PM)
Place: Harbour League Club
800 Hudson Square, Camden, NJ
856-964-2582
Cost: \$25

RSVP to Carole Stowell by Friday, November 3, 2000
Phone: 610-531-5320 or e-mail: Carole.N.Stowell@lmco.com

Philadelphia International Airport, ranked 15th in volume of arrivals and departures, has become very important to the success of the city's endeavors to become a destination city that is traveler-friendly. Mr. Villante will discuss the expansion of the airport and how the various features of the Terminal One building will improve service at the Airport for international travelers. The \$300 million, 850,000 square-foot project will increase the airport's size by 50% and nearly double the number of international gates. In addition, infrastructure and amenity improvements will allow the airport to be the world-class gate to the city that international visitors will see when first arriving in Philadelphia and the US.

The speaker, Joseph A. Villante, is a Vice President and the Chief Engineer of Burns Engineering, a 100-person multi-discipline engineering firm. He has over 37 years' experience in the design and management of large scale projects, including being the Project Manager for the Terminal One project. He has completed hundreds of projects for the Department of Defense throughout the world, in locations ranging from Thule Air force Base in Greenland to PACDIV in Hawaii. Joseph is the Vice Chairman of the Federal Agencies committee of the American Consulting Engineers Council and he is a member of SAME.

Directions from Center City, Philadelphia:

After crossing the Ben Franklin Bridge, go through the toll booth at extreme right.

The second street after the toll is Broadway. Proceed to first traffic light and turn left onto Cooper Street in right lane to 800 Hudson Square.

Directions from Philadelphia Airport Area:

Take Route 95 North to the Walt Whitman Bridge exit. Stay in the right lane on the bridge and exit following sign for Route 676 North - Camden (approx. 1/4 mile). Take Route 676 to Exit 5B - Camden Business District. Exit onto Linden Street and proceed, staying in the left lane, to the traffic light at 7th Street. Turn left onto 7th Street, crossing over Route 676. Stay in the left lane and at the next traffic light make a soft (or wide) left onto Cooper Street leading to 800 Hudson Square.

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SWE Philadelphia FY 01 Calendar of Events

Date	Event	Location
Nov 8	Joint Meeting with the Society of American Military Engineers	Harbour League Club Camden, NJ
Nov 16	Sub-Section Meeting Harrisburg-Lancaster-York Area	El Serrano Restaurant York, PA
Nov 17-19	Region E Student Conference	Columbia University
Dec	Sub-Section Meetings	Various
Jan	Section Meeting / Technical Tour	
Jan 27	Future City Competition	Drexel University
Feb 10	Cadette Girl Scout Career Guidance Event: "Science through Sports"	Franklin Institute Philadelphia
Feb	Engineering Mini-Camp Section Meeting / Technical Tour Engineers' Week Activities	
Mar	Section Meeting with a Corporate Sponsor	
Apr 11	Delaware Valley Science Fairs Judging	Fort Washington Expo Center
Apr	Region E Meeting Applications due for Section Scholarships Awards Banquet	
May	2nd Annual Golf Outing	
May & June	Certificate of Merit Presentations	
June	Election of New Officers Sub-Section Meetings	
June 26-30	National Conference	Denver, CO

Announcements

Drexel PE and EIT Refresher Courses will begin on November 7, 2000 (PE) and December 7, 2000 (EIT). For registration information, call Pat Gremmel at 215-895-2154.

The **Philadelphia Section Web Site** at www.libertynet.org/sweps has been completely updated by Toni Kargle (note that the new address form is "/sweps" instead of "/~sweps"). In addition, we now have a Section e-mail address, phila_info@swe.org, that provides a central contact point for Section Officers and Committee Heads and a place asking questions concerning Section activities. Check us out!!

The **Region E Student Conference** is being held at Columbia University on November 17-19, 2000. Check the national SWE web site at www.SWE.org and the Columbia Student Section web site at www.seas.columbia.edu or Catherine Marcinkevage at acm47@columbia.edu for more details. Hotels in the area run about \$220/night (1-4 people). If not attending the entire conference, attendance fees will be the sum of the meal costs for the events

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you attend: Saturday Breakfast \$7; Saturday Lunch \$12; Banquet \$45; Sunday Brunch \$15.

OCTOBER HIGHLIGHTS

Philadelphia Sub-Section Meetings

Sub-section meetings were held at various locations throughout the section to make it convenient for members who work or live in the Center City, Chester/ Delaware County, Bucks County, and Montgomery County areas to network with others in their local geographic area.

Girl Scout Junior Jamboree

Maggie Schwartz, Valerie Schrandt, and Barbara Faust of SWE-Philadelphia and Kathy Kinsey of SWE-Lehigh Valley conducted four sessions of a "Chocolate Asphalt" workshop at the Girl Scout Junior Jamboree held on October 7 at Camp Tohickanee. About 100 scouts learned how several properties of chocolate asphalt are similar to those of the asphalt pavements that they encounter in everyday life. The workshops were fun for all - and the scouts were able to eat the "pavement" that they made!

MEMBERSHIP NEWS

Potential New Section

The number of SWE Philadelphia Section members who live or work in the Harrisburg-York-Lancaster area is increasing. Jean Panos is leading an effort to provide more local activities in the current western end of our section, with the goal of forming a new SWE Section in that area. A get-acquainted meeting for these members, and any others who may be interested in having a SWE section in the area, is being held to kick-off this effort.

York Area Sub-Section Meeting

Date: Thursday, November 16, 2000

Time: 6:30 PM

Place: El Serrano Restaurant
Market Street, York

RSVP: Jean Panos at jean.panos@swe.org.

Dues Payment Reminder

In case you have forgotten, SWE dues for the year were to be paid to Headquarters by June 30, 2000. As of October 24, 40 of our 118 Section members are listed as unpaid. Contact Jennifer Wetzel, Section VP and Acting Membership Chair, by e-mail at jwetzel@pobox.upenn.edu or by phone at 215-573-3935 if you are unsure of your current payment status. If your company normally makes your dues payment, please check to make sure that it has done so. Headquarters will automatically drop your membership if your dues payment is not received by December 1.

If you have misplaced your dues statement, contact Jennifer for the form or download a copy from the national SWE web site at www.swe.org. Members who are currently not working can qualify for a discount.

Welcome to new section member **Ranee Pursell** who graduated from Penn State in May with a degree in Environmental Systems Engineering and is now working at McCormick Taylor & Associates.

Update Your Membership Information

If you have recently moved, changed jobs, gotten a new e-mail address, received another degree, or done anything that might change information about you in the SWE membership data base, please let us know! The more accurate the database is, the faster you get the SWE news you need via newsletter and/or e-mail.

To check your information currently on file, go to www.swe.org and login to the new national Membership database. To login, you will need the numerical portion of your Member ID# and the Personal Identification Number that you should have received with your FY 2000-2001 membership card (this is yet another good reason to pay your dues!). If any of the listed information is incorrect, follow the directions to let Headquarters know of the change and contact Jennifer Wetzel as well.

**Call for Papers
Society of Women Engineers 2001 National Conference June 26 – 30, 2001
2001 - A SWE ODYSSEY**

Each of us has the potential to embark on a new odyssey during the 21st century. How will the fields of engineering and computing affect us? What advances will we see in technology, exploration, and education? Will the advancements that led us to today be forgotten? Or can we use old technology in new ways? Share your predictions with thousands of engineers, technologists, students and educators. We invite you to submit a paper addressing any of the following topics:

<p>The Future of Knowledge Transfer Reapplying Past Technology Communication Methods Computers as Tools Telecommuting Fiber Optics / Cable Satellites Virtual Workplaces Internet / Internet II Distance Learning Wireless Technology</p>	<p>The Technological Odyssey Computer Hardware & Software Transportation Growth Health Care Advancements History of Science & Technology Environment Education Energy / Resources Mineral & Water Rights Infrastructure Land Use / Urban Planning & Development</p>	<p>The Future of Exploration Undersea Medicine / Biotechnology Materials Science Mapping – GIS /GPS Space Imaging Space / Atmospheric Research</p>	<p>The Career Odyssey Diversity Mentoring Continuing Education Benefits Entrepreneurs Life Choices / Work & Family Balance</p>
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Instructions for submission, guidelines for authors, and additional information are available on-line at <http://www.swe.org/> from the Conference page. Abstract submission deadline is December 15, 2000. Authors may present their papers in an oral session or during the open technical exchange (OTE) in poster format. Demonstrations complementing the paper topic are strongly encouraged at the OTE. Notification of acceptance will be sent to authors by February 2, 2001. Final paper submission deadline is April 6, 2001. Undergraduate and graduate students are encouraged to submit papers. For further information, please contact Sandra Scanlon, 2001 Conference Co-Chair, at sandra.scanlon@swe.org.

Speakers Needed for the Girl Scout Cadette Career Day

The Girl Scouts are seeking speakers on the topic of careers for females in science to an audience of 500-700 Cadette Scouts on Saturday February 10, 2001 from 7 to 9 PM. Speakers whose expertise is related to this year's theme of "Science through Sports" would be especially helpful. Exhibit Topics for this year are:

- Physics of Sports Material Science - especially related to sports and athletic gear
- Bioscience - especially the Brain, Heart and sports physiology
- Music
- Civil and Structural Engineering Transportation, specifically trains
- Weather
- Aviation
- Electricity
- Astronomy
- Mathematics

The setting is informal; speakers chat spontaneously with small groups as the girls circulate. This event will be held at the Franklin Institute Museum, 222 N. 20th Street Philadelphia PA. The scouts get to "camp"/sleep over in the museum. The Girl Scouts may be able to offer help with travel, parking etc. For more information please phone Diana Brooks at 215-448-1133 or e-mail campin@fi.edu.

Future City Competition 2001

The following schools are working on their cities and need an engineer-mentor to help them continue. If you see a school that is close to where you work or live, please consider volunteering to work with them on their city. It's the most rewarding job in the Competition.

Arcola Intermediate School

Eagleville

Norristown, PA 19401

610-631-2903

610-631-5258 (Fax)

TEACHER Ms. Sandra

Douance

610-889-1166 (Fax)
Road TEACHER Ms. Heather White

Wilson Middle School

Loretto & Cottman Avenues

Philadelphia, PA 19111

215-728-5015

215-728-5051 (Fax)

TEACHER Ms. Andrea Seitchik

C. W. Lewis Middle School

875 Erial Road

Blackwood, NJ 08012

856-227-8400

856-228-5130 (Fax)

TEACHER Mr. Dan Smith

Veterans Middle School

26th and Hayes Street

Camden, NJ 08105

856-966-2363

856-541-5141 (Fax)

TEACHER Mr. Rick Cirelli

Hammonton Middle School

Central Avenue and Vine Street
Hammonton, NJ 08037

609-567-7007

609-561-3974 (Fax)

TEACHER Ms. Janet Holloway

William Annin Middle School

70 Quincy Rd.

Basking Ridge, NJ 07920

908-204-2610 X 161

908-204-0244 (Fax)

TEACHER Mr. Michael Levy

Holy Spirit School

One Church Drive

New Castle DE 19720

302-658-5349

TEACHER Ms. Denise Jacono

Beverly Hills Middle School

1400 Garrett Road

Upper Darby, PA 19082

610-626-9317

610-626-9321

(Fax)

TEACHER Ms. Leslie Isaacs

Penns Grove School

604 Garfield Street

Oxford, PA 19363

610-932-6615/6618

610-932-6619 (Fax)

TEACHER Ms. Wynne Milner

Stetson Middle School

B & Allegheny Streets

Philadelphia PA 19134

215-291-4720

215-291-5690 (Fax)

TEACHER Mr. Tracy Jackson

Our Lady of Calvary

11023 Kipling Lane

Philadelphia, PA 19154

215-637-1648

215-637-3810 (Fax)

TEACHER Mr Gregory Severino

Our Lady Help of Christians

1525 Elkins Avenue

Abington, PA 19001

215-886-3067

215-886-3250 (Fax)

TEACHER Ms. Jane Ring

Visitation School

300 East Lehigh Ave.

Philadelphia, PA 19125

215-634-7280

215-634-6662 (Fax)

TEACHER Sr. Jane Field

General Wayne Middle School

20 Devon Road

Malvern, PA 19355

610-644-6440

If you are willing to help as a mentor for any of these schools, please contact

John E. Kampmeyer, P.E.

Philadelphia Regional Future City Competition

PO Box 248, Springfield, PA 19064-0248

Phone: 610-328-3020

FAX: 610-328-2339

E-mail: jkampp@comcast.net or

Jennifer Wetzel

Philadelphia Regional Future City Competition

Trammel Crow Company

Phone: 215-573-3935

FAX: 215-898-9376

E-mail: jwetz@pobox.upenn.edu

Continuing Development Update: the national Professional Development Committee (formerly known as the Continuing Development Committee) has developed several resources that are available to sections and individual members. Many of these resources can be accessed through the SWE home page at <http://www.swe.org>. Headquarters also has a library of 18 books and 27 videotapes that are available for the use of SWE members. Individuals may check them out for their own personal use. Details of the check-out procedure and descriptions of the books and tapes are available at the web site.

Corporate Corner

A very warm welcome to our newest corporate members, **Rohm & Haas** and **Merck**. We welcome these companies and their new (and old) individual members to SWE.

Our first corporate activity for the year involves a fund-raising effort for the second annual **Engineering Mini-Camp** for girls to be hosted again by Widener University in Chester, PA. SWE member and Widener Professor Dr. Vicki Brown is again spearheading the camp coordination. Dean Akl from Widener has provided SWE with a letter of support and commitment of Widener's in-kind resources for next year's camp,

scheduled to be held in February 2001. In late October, SWE sent requests for financial support to a few select companies to seek full or partial support of the anticipated \$2400 budget to cover food, lab supplies, t-shirts, and incidentals. If you or your company is interested in co-sponsoring this very worthwhile and successful camp, please contact Susan Sciarratta, Corporate Liaison, at 856-616-8166. Also, please contact Susan or Vicki if you are interested in participating in the camp as a volunteer or presenter for any of the hands-on workshops developed by Widener's professors.

Section Leadership Help Wanted

Develop your leadership and management skills by serving as a head of a Section committee or leading a Section activity. Descriptions are provided for open positions. Contact Lisa Colosimo or any of the Section Officers at phila_info@swe.org if you wish to learn more about these personal growth opportunities.

Career Guidance Chair

The Career Guidance Chair serves as the link between the Section and the Region and National Career Guidance Committees. The Career Guidance Committee: provides information and counseling on engineering career for grade, junior, and high school girls, their counselors and parents; maintains and disseminates information on available engineering scholarships; coordinates the Certificate of Merit and/or Achievement program; provides counseling and when possible, financial assistance to women engineering students; and conducts other activities as approved by the Section membership to further the Society's career guidance goals. These activities encourage people who are not engineers to consider engineering as an education and/or career option.

The Section Career Guidance Chair also coordinates the following sub-committees and programs:

Student Liaison	Scholarship
Certificate of Merit	Speakers Bureau

Student Section Counselor

The **SWE Student Section Counselor** is a SWE member who works with a local engineering college Student Sections to help the students understand how the SWE community can help them. The Section Student Liaison Committee supports the SWE Counselors.

Continuing Development Chair

The Continuing Development Chair serves as the link between the Section and the Region and National Continuing Development Committees. Continuing Development activities are those that help members to continue to grow and learn throughout their lives. The Continuing Development committee: encourages and assists Section members to establish goals for and to attain high levels of educational and professional achievement; encourages and assists women engineers in readying themselves for a return to active work after a period of absence; and conducts other activities approved by the Section.

The Section Continuing Development Chair also coordinates the following sub-committees and activities:

Job Bank	Programs
Peer Mentoring	Awards
Corporate Liaison	Golf Outing

Publicity Chair

The Publicity Committee Chair serves as the link between the Section and the Region and National Publicity Committees. The Publicity Committee provides publicity to advance the Society's objectives and Section goals and sends news accounts of Section activities to the US Woman Engineer magazine.

The Section Publicity Chair also coordinates the following sub-committees and activities:

Newsletter	Engineers' Week Council
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SWE Philadelphia Section
c/o The Engineers' Club of Philadelphia
215 South 16th Street Suite 36
Philadelphia, PA 19102

ADDRESS CORRECTION REQUESTED

Visit our Web Site: <http://www.libertynet.org/sweps>
Contact us by e-mail: phila_info@swe.org

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November Section Meeting

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-An Overview of the New Commuter Terminal

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RSVP: Carole Stowell by November 3, 2000

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RSVP: Jean Panos

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Thank you!