



Philadelphia Section Newsletter

Society of Women Engineers

September/October 2000

Vol FY01.2

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Volunteer Sign-up Form for Future City Competition 2001

SEPTEMBER SECTION MEETING

Achieving Financial Success

A General Financial Planning Overview

Speaker: Lynda L. Brittain

Date: Thursday, September 28, 2000

Time: 6:00 PM

Place: Winberie Bar and Restaurant

1164 Valley Forge Road, Wayne, PA

610-293-9333

Cost: \$25

RSVP to Carole Stowell by Tuesday, Sept 25

Phone: 610-531-5320 or e-mail: Carole.N.Stowell@lmco.com

Dinner choice: Chicken with wine sauce or Vegetarian platter

Make financial success last a lifetime by learning about:

- . Financial topics from goal-setting, net worth, and cash flow to tips for reducing taxes
- . Investment strategies such as dollar-cost-averaging, diversification and asset allocation
- . Paying for your children's college education
- . Achieving the financial independence you need to have the retirement you desire

More detailed information on topics such as retirement planning, education planning, estate planning, and/or investment strategies can be addressed in the question and answer portion of the program.

Lynda L. Brittain is a Personal Financial Planner and Registered Representative. She holds a Bachelors degree in Mathematics from Penn State in 1983 and a Masters in Engineering from Penn State in 1990. She expects to be licensed as a Certified Financial Planner by the end of this month and she is Series 7 and 63 licensed (PA and other states).

Ms. Brittain has been in business full-time for two years with a rapidly growing practice. She received the Mercury Award winner for new practice startup. Prior to starting her own company, Ms. Brittain worked for 13 years at Lockheed Martin Management and Data Systems, most recently as Engineering Manager. She is a former SWE member (Philadelphia Section). Her areas of expertise include women's issues, education, estate planning, and pre-retirement planning.

Directions: Restaurant is on Route 252 adjacent to the Route 202 South on-ramp and across from the Gateway Shopping Center
Exit Route 202 at Devon. Go west (a right turn after exiting from southbound on 202, a left turn at end of off-ramp from northbound on 202). Make a left at the next traffic light (100 feet); restaurant is on the left side.

**SWE Philadelphia Section Newsletter
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SWE Philadelphia FY 01 Calendar of Events

Date	Event	Location
Sept 28	Section Meeting: Financial Planning	Winberie Bar and Restaurant, Devon
Oct Oct 19 Oct 23 Oct 24 Oct 25	Sub-Section Meetings Center City Montgomery County Central / Lower Bucks County Chester / Delaware County	Marathon Grill, Philadelphia Bertucci's, Plymouth Meeting Mall Applebee's Grill, Southampton LaGrande, Malvern
Oct 7	Girl Scout Junior Jamboree	Camp Tohicanee
Oct 12	SWE-LV / ASME Behind-the-Scenes Tour of Dorney Park	Allentown, PA
Nov 8	Joint Meeting with the Society of American Military Engineers	Harbour League Club Camden, NJ
Dec	Sub-Section Meetings	Various
Jan	Section Meeting / Technical Tour	
Jan 20	Future City Competition	Franklin Institute
Feb	Engineering Mini-Camp Section Meeting / Technical Tour Engineers' Week Activities	
Mar	Section Meeting with a Corporate Sponsor	
Apr	Region E Meeting Science Fair Judging 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

Update: the **12th International Conference of Women Engineers and Scientists (ICWES)** will be held in Ottawa, Canada on July 27-31, 2002. Conference theme: Women in a Knowledge-Based Society. For more details visit the web site www.carleton.ca/wise/icwes12/icwes12.htm.

Fall 2000 Educational Program courses and Engineering Tours of the Delaware Valley offered by the Engineer's Club of Philadelphia are listed on pages 5 and 6. Contact Tom Payne at 215-985-5701 or visit www.engrclub.org for more details.

The Delaware Valley Engineers' Week Council and the Philadelphia Engineers' Club are sponsoring the first annual **E-Week Golf Outing** on Friday, October 6, 2000. Location: Walnut Lane Golf Club in Philadelphia
 Format: 5-person modified scramble
 Time: 8:45 registration / 9:30 shotgun start
 Cost: \$70 per person or \$325 per fivesome
 Fee includes cart, breakfast, lunch, snack, and prizes. Contact Susan Sciaratta at 856-616-8166 or susan_sciaratta@golder.com for more information.

OCTOBER EVENTS

Philadelphia Sub-Section Meetings: Network with SWE members in your local area

Center City

Thursday, October 19, 6 PM

Marathon Grill
121 South 16th Street (16th and Samson)
Philadelphia

RSVP to Jen Wetzel by October 18
at 215-573-3935
or jwetzel@pobox.upenn.edu

Middle / Lower Bucks County

Tuesday, October 24, 6:30 PM

Applebee's Grill
1063 Street Road
Southampton

RSVP to Susan Sciaratta
at susan_sciarratta@golder.com
or 856-616-8166 x327

Chester / Delaware County

Wednesday, October 25, 6 PM

LaGrande Restaurant
240 Lancaster Avenue
(across the street from the Lincoln Shopping Center)
Malvern

RSVP to Susan Best
at susan.best@swe.org (preferred)
or 610-444-6522

Montgomery County

Monday, October 23, 6:00 PM

Bertucci's
Plymouth Meeting Mall
(near Boscov's)
Plymouth Meeting/Norristown

RSVP to Heather Bernardin
at 610-989-3212
or habernardin@juno.com

Girl Scout Junior Jamboree at Camp Tohickanee

Saturday, October 7, 9 AM to 12 noon

Camp Tohickanee is located between Quakertown and Lake Nockamixon in upper Bucks county.

This theme for this year is "Alien Adventures." Several hundred girls are expected to attend the jamboree. Four workshop sessions are scheduled, with 25 to 30 participants per session.

We have been asked if we could repeat our "Chocolate Asphalt" workshop. Volunteers are needed to prepare the basic "asphalt" mixture (basically a fudge that needs to be kept hot until passed out to the girls) on-site, give the scouts a brief overview of road surface construction, and circulate among the girls during the "road-building" process to help as needed. Raw materials will be provided. Some background technical information is available.

If we have enough volunteers, we could staff two workshops and really make a big hit with the girls. If you would like to participate in this fun event, contact Barb Faust at 215-257-6463 or Barbara.Faust@swe.org. Maps to the camp will be provided. We have been invited to stay for lunch with the scouts after the workshops are over if we wish to do so.

SWE-Lehigh Valley / ASME-Anthracite Region Behind-the-Scenes Tour of Dorney Park

Thursday, October 12, 4:30 PM

Cost \$15 (includes dinner)

The tour, which lasts until 6:30 PM, is followed by dinner at the Red Garter restaurant in the park. Reservations are absolutely necessary; you are liable for payment once the reservation is made. The tour will probably include key rides such as the Steel Force roller coaster, Dominator, Wild Mouse, and a wooden coaster.

ASME Allentown Area Manager
610-261-3482 (w)
hopstockm@asme.org

For more information and directions,
contact Liz Davidson
OMNOVA Solutions, Inc.
570-366-4024
liz.davidson@omnova.com

RSVP to Mike Hopstock

*** Guests will probably have the opportunity to ride some of the rides . ***

CONTINUING EDUCATION

Fall 2000 Educational Courses offered by The Engineers' Club of Philadelphia

The Fall Registration Period is now open. Continuing Education Units (CEU) may be granted for the Engineers' Club courses - two CEUs for the eight or ten week courses and one CEU for the four or five week courses. Costs range from \$500 to \$550 per course. Classes are held in the evening, beginning in the third or fourth week of September. For detailed information, call Tom Payne, Director of Education, at 215-985-5701 or leave an e-mail message at info@engrclub.org. The Fall 2000 courses include:

Electrical

- E-1 Fundamentals of Instrumentation & Control
- E-2 Basic Protective Relaying

Mechanical

- M-1 Heating & Ventilation
- M-2 Basic Piping Design
- M-3 Air Conditioning

General

- G-1 Technical Writing for Engineers

Construction

- C-1 The International Building Code (Part 1)
- C-2 Home and Building Inspection
- C-3 Construction Project Management
Students may take 4 sessions of Planning and Scheduling for \$275 or 4 sessions of Estimates and Financial Control for \$275
- C-4 Americans with Disabilities Act (ADA)
- C-5 Construction Cost Estimating
- C-6 Contracts, Specifications, and Law for Construction Contractors and Engineers

Fire Protection Engineering

- F-1 Fire Alarm and Detection Systems
- F-2 Advanced Sprinkler System Design
- F-3 Smoke Management and Control

Fall 2000 Courses offered by the Electrical Association of Philadelphia & Penn State University

Contact Heather Smith 215-881-7388 or Pat Zitomer 215-881-7389 at Penn State for information on the following courses:

Introduction to Twisted Pair and Fiber Optic Cabling
- 6 sessions held in Bala Cynwyd, \$465

Advanced Twisted Pair and Fiber Optic Cabling
- 6 sessions held in Bala Cynwyd, \$465

1999 Electrical Code II
- Penn State Abington Campus, \$275

Professional Engineering Review Courses are offered at **Penn State Berks Lehigh Valley**. Call 610-285-5058 or visit the web site www.bklv.psu.edu for more information.

Engineer-in-Training Review	9 October 2000 - 16 April 2001
Mechanical Engineering Review	24 October 2000 - 28 March 2001
Electrical Engineering Review	25 October 2000 - 28 March 2001

Mini-MBA Discount for SWE Members

Global Resources, a global training and consulting firm, is offering SWE members a \$500 discount on MBA PowerPak (www.mbapowerpak.com) through October 6th. This eight-day, globally-oriented program provides the time pressed, high-tech working professional a condensed, MBA-type education with practical management tools and methodologies, on-the-job applications, exercises, and activities in a dynamic, multi-company classroom environment.

MBA PowerPak is offered four times this fall in four nationwide locations and provides 6.3 CEUs in addition to optional program certification via Northeastern University College of Business Administration. Be sure to reference promotional code ALC30 to obtain the \$500 SWE discount.

For information on course content, a list of company attendees, locations, dates, on-line registration, etc., visit www.mbapowerpak.com or call toll-free 1-877-GRTRAIN

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Irvine, CA 92612 USA
949-721-0323 / 1-877-GRTRAIN
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www.MBAPowerPak.com
di@global-resources.com

Future City Competition 2001

The registration period for the Philadelphia Regional Future City Competition continues until October 15th. Teams made up of 7th and 8th grade students will work with their teachers and engineer mentors to:

- Design a city of the future using Maxis SimCity 2000™ software
- Build a working model of a portion of their city using recycled products
- Write an essay about city planning and design issues
- Verbally present their city to a panel of judges from the engineering, planning, and architectural communities.

Call for E-Mentors

MentorNet is seeking engineering, scientific, and technical professionals to mentor women engineering and science students on-line. MentorNet is a national program that pairs women community college, undergraduate and graduate students with mentors in industry, and provides a framework and training for them to pursue a year-long mentoring relationship through e-mail. Mentors in last year's program reported spending only an average of 20 minutes a week while gaining personal satisfaction and skills from guiding future colleagues. At least 2,200 mentors are needed for the fall of 2000 to be paired with students from over 55 colleges and universities.

To learn more and/or to sign up, visit the MentorNet web site at <http://www.mentornet.net> and click on the "Mentors" link. Mentor applications for the upcoming year's program are available on the web site now through October 15; at other times you can add yourself to a distribution list to be notified via e-mail when applications open. For additional information, contact

Jennifer Dockter Ph.D.

The Engineers' Club of Philadelphia is sponsoring a series of **technical tours**, each of which may be awarded 2.5 Professional Development Hours toward Professional Engineer license renewal requirements. For more information, contact the Engineers' Club by phone at 215-985-5701 or e-mail at info@engrclub.org. The Fall 2000 Engineering Tours of the Delaware Valley include:

Bethlehem Steel Rolling Mill in Conshohocken on Wednesday, October 11th at 1:00 PM

- modern rolling mill formerly owned and operated by Lukens Steel
- see steel ingots being rolled into various structural shapes (Note: tour time is subject to change because of the mill rolling schedule)

Grand Lodge of PA-Masonic Temple in Philadelphia on Saturday, October 21st at 10:00 AM

- each room of this magnificent historical building contains a deliberate imperfection to acknowledge the fact that only God can create something which is perfect

The Hagley Museum in Wilmington, DE on Saturday, October 28th at 9:30 AM

- this museum traces the history of the duPont Company from its founding 200 years ago when its major product was black explosive powder

The Boyertown Museum of Historic Vehicles in Boyertown, PA on November 4th at 10:30 AM. - this museum exhibits more than 75 rare and unusual vehicles from the horseless carriage to today's high-tech automobiles

Volunteers are needed to help in the following areas:

Mentors: Engineers or engineering students to advise the student groups throughout the competition, provide input and technical assistance, and share real-life experiences. Your assigned school will be close to where you live or work. Approximate commitment: 35 hours, September - January

Judges: Engineers or engineering students to judge the team's electronic cities, essays, and models/presentations. Approximate commitment: 12 hours, November - January

Competition Support: Volunteers to keep the competition day running smoothly - registration, team escorts, security, timers, award distribution. Approximate commitment: 10 hours on January 20th.

A volunteer sign-up form is enclosed with this newsletter. For more information, contact Jennifer Wetzel by phone 215-573-3935, e-mail jwetzel@pobox.upenn.edu, or FAX 215-898-9376.

Program Manager
MentorNet
c/o College of Engineering
San Jose State University
One Washington Square
San Jose, CA 95192-0080

phone: 408-924-3319
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web site: <http://www.mentornet.net>

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Philadelphia Section Wins Large Section Member Retention Award

For the second year in a row, Philadelphia Section has received the Large Section Member Retention Award from SWE Headquarters. These awards, which were announced at the National Conference in June, are accompanied by a check of \$125 for the Section Treasury. Thanks to all of our members who have made this award possible.

FY 2001 Planning Meeting

A planning meeting to map out section goals, activities, meeting topics and locations for FY 01 was held on August 20th at the First Consulting Group facility in Wayne, PA. Major plans for the year include:

- Continue the basic approach of alternating Section and Sub-Section meetings to allow members to network in more localized areas throughout the geographic region encompassed by the Section boundaries;
- Include technical tours and joint meetings with other professional groups in the meeting schedule;
- Obtain corporate or other sponsorship to continue the successful Engineering Mini-Camp Program developed last year under a grant from Headquarters;
- Continue current college Scholarship and high school Certificate of Merit awards programs;
- Increase member participation in Section activities;
- Maintain a current SWE-Philadelphia Section web page;
- Improve communications and interactions with local Student Sections;
- Submit articles to the national SWE Magazine.

Announcing *Corporate Corner* - a new feature in the Philadelphia Section Newsletter.

Susan Sciarratta, SWE Corporate Liaison, will provide an introduction and profile of SWE's corporate members and sponsors. These profiles may include such information as company history and background, employment opportunities, SWE members from the company, and interviews with managers.

best workplace practices, and level of satisfaction, with issues of interest to our SWE members (e.g., healthcare, eldercare, maternity leave, flexible hours, work-at-home, professional development).

Later this fiscal year, we plan to have one of our corporate members host a SWE meeting on location and provide either a tour or technical talk. In the future, *Corporate Corner* may also be used as a forum in which to compare and highlight

As a reminder, Kristin Stuby of the Lehigh Valley Section recently published "A Survey for Women Engineers Re-Entering the Work Force". If you would like a copy of this paper, information on becoming a corporate member, or have any suggestions or ideas for the new column, contact Susan Sciarratta at 856-616-8166 x327.

SWE Job Bank

Looking for a new job or just curious about what is out there? Contact Jenny Canepa at j_canepa@yahoo.com for current listings in the SWE job bank. Newspaper ads are available at a cost of \$35 per quarter page; job listings are provided as a courtesy. Current listings include:

BAE Systems/Aerospace Electronics in Lansdale, PA

- Engineer Principal, requires thorough knowledge of fiber optic technology, DFB lasers, modulators, optical amplifiers, WDM technology, and optical system design
- Program Manager, requires DoD/Aerospace Program Management background

SEPTA - visit their web site at www.septa.org for a listing of current positions. Resumes may be forwarded as described in the job posting.

Deadlines for Nominations for Engineers' Week Awards

October 13, 2000	Engineer of the Year	Contact Bill Thomsen	215-922-8080
November 14, 2000	Outstanding Engineering Achievements	Contact Mike Porter	215-979-7727

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

ADDRESS CORRECTION REQUESTED

Visit our webpage at: <http://www.libertynet.org/~sweps>

SWE Philadelphia Section September/October 2000 Newsletter

September Section Meeting

Thursday, September 28, 2000
Topic: Financial Planning
Speaker: Lynda Brittain
Location: Winberie Bar and Grill, Wayne
Time: Dinner at 6:00 PM
Program at 7:00 PM
RSVP to Carole Stowell by 25 September
2000

October Subsection Meetings

Center City	October 19 6:00 PM
	Marathon Grill, Philadelphia
Montco	October 23 6:00 PM
	Bertucci's, Plymouth Meeting Mall
Bucks County	October 24 6:30 PM
	Applebee's Grill, Southampton
Chester/Delco	October 25 6:00 PM
	LaGrande, Malvern

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Thank you!