



Society of Women Engineers

Philadelphia Section Newsletter

May 2000

PRESIDENT'S LETTER

Inside This Issue

- 1 President's Letter
- 2 Calendar Announcements
- 3 May Events
 - Beginner's Golf Outing
 - Sub-Section Meetings
 - Award Presentations
- 4 April Event Highlights
 - Science Fair Awards
 - Business Etiquette Panel Discussion at Widener
 - 50th Anniversary Celebration
- 5 Scholarship Awards
- 6 Officers List
 - National Conference Registration Information
- 7 National Conference Events

Enclosure

Section Election Ballot

Hello SWE members and friends-

Hopefully by the time you read this I will be back at home from my stint in State College. It has been a long winter and spring, and I am looking forward to the warmer weather and taking as much time off as my company will permit me. I am writing this on Easter Sunday in my job trailer - I have about five months' worth of holidays to catch up on! Over these last few months, I have been forced to delegate much of my responsibilities to the other officers and committee chairs, and you have all done a fantastic job keeping the Section going in my absence. I regret not being able to participate in most of our meeting and activities during this time, but I am very thankful and grateful to the other leaders in our Section for your efforts.

Enclosed you will find an election ballot for the FY'01 SWE Philadelphia Section. Although we have no contested positions, your vote is important and will ensure that the election process has been followed in accordance with our section bylaws and that each member in good standing has been presented with the opportunity to vote. Please take the time to consider volunteering or chairing one of our many subcommittees for next year. Several of you have already indicated your interest in chairing a committee, and I will honor that; however, I have listed all of them in order to gauge interest from others in serving on that committee or assisting the chair.

I have heard from several of you about your plans to attend the whole or part of the National Conference this summer. That is great, and I look forward to seeing you there. Don't forget that there will be a Region E meeting during the Conference, as well. Also, since it looks like we will not be organizing the Conference for 2004, I would like for us to consider organizing something at the local level, such as a Region E Conference or another weekend seminar with one of our local sister sections.

I am happy to hear of interest from our Lancaster/Harrisburg/York area members about organizing activities in that part of the State, which may lead to the eventual formation of a new section, similar to what we have done with Delmar Peninsula and Lehigh Valley. If you live or work in that area and would like to organize or participate in activities there as a sub-section, please contact me or Jean Panos.

Happy Mothers Day to all of you mothers and mothers-to-be!

Sincerely,

Susan A. Sciarratta, P.E.

**SWE Philadelphia Section
FY 00 CALENDAR**

SWE Philadelphia Section Newsletter

May 2000

<i>DATE</i>	<i>EVENT</i>	<i>LOCATION</i>
May 3	Beginner's Golf Outing	Wood's Golf Center East Norriton, PA
May - various	Sub-section Meetings	TBD
May - June	Certificate of Merit Presentations	Various (see Page _)
June 27 – July 1	SWE National Conference - Beyond 2000: Exploring Perspectives	Washington, D.C.

ANNOUNCEMENTS

- **Region E volunteers are needed** for the following FY01 Offices:

Deputy Director - Anyone can run; this is a good office for someone who is thinking about running for Region E Director (next term is July 01-June 03)

Secretary

Student Coordinator - one of our current coordinators would like to retire from the position

Continuing Development Committee Rep.

Women in Academia Committee Rep.

Fund Development Committee Rep.

Multi-Cultural Committee Rep.

Membership Committee Rep.

- The **NJPE (NJ Professional Engineers) Annual Conference** will be held on May 19-21 at Headquarters Plaza in Morristown. For more information, contact Joanne Lombardi (Assistant Executive Director) at 609-393-0099.

- **SWE E-Mail Alias** - SWE members that have an e-mail address may request set-up of a SWE alias e-mail address. Any e-mail sent to the SWE alias will be sent to your actual e-mail address. The SWE alias will have the form Jane.Doe@swe.org (or jane.doe@swe.org, the e-mail address is not case sensitive). Should your e-mail address change, contact SWE to have the SWE alias point to your new address. To obtain a SWE alias, send a request to swe-admin@swe.org In the message include your name, SWE membership number, and the e-mail address to which you want the SWE alias to point.

- **SWE National Elections** - Ballot forms and return envelopes were sent by Headquarters to each SWE member in good standing. There are several contested positions. Mark the ballot and mail it in so your vote can be counted.

- **SWE Region Elections** - will be held at the Region E meeting on Thursday at 8:00 am during the National Conference in Washington DC

- **SWE Philadelphia Elections** - Mark the enclosed ballot and return to Susan Sciarratta by May 26. Also, please indicate on the form any of the committees on which you might like to serve. Section vitality can be assured if each member can participate at least once in some activity.

SWE Philadelphia Section Newsletter

May 2000

MAY EVENTS

Beginner's Golf Outing

Date: Wednesday, May 3rd

Place: Wood's Golf Center, East Norriton, PA

Schedule:

1:00 Registration
(a light lunch is available at the
snack bar)
1:30-3:30 Clinic
- chipping
- putting
- full swing
- bunker play
3:30 9 Hole Par 3 Tournament
? Dinner/Socializing

Cost: \$50

Contact: Jennifer Brennan
E-mail: jbrennan@kineticsgroup.com
Phone: 215-656-2905

The Clinic groups will be broken down by skill level. There will be a "golf professional at each station and the teaching will be modified according to skill level.

The tournament teams will be different from the Clinic teams. A variety of skill levels will be mixed. The tournament will be a "4 Ball Scramble", which means that everyone will tee off and the best ball will be determined. Everyone else will then play from the location of the best ball.

The tournament winners will each receive a new putter and all participants will receive a sleeve of golf balls.

Note: Because of delays in scheduling this event, notice was e-mailed earlier to Section members with e-mail addresses. The activity is reported here so those without e-mail will have some idea of what the activity is all about and may want to participate next year.

Sub-Section Meetings

Informal sub-section meetings may be held; e-mail notices will be sent out when information becomes available.

Certificate of Merit Presentations

As of May 2nd, Certificates of Merit have been awarded to 161 students from 54 high schools in our area. Schools requesting a SWE member to make the award presentations are listed below. Please contact Barbara Faust by phone at 215-257-6463 or e-mail at BarbFaust@swe.org if you are willing to make a presentation. It is great to recognize the achievements of these good students.

School	Location	Date	Time	Presenter
Pottstown HS	Pottstown	Mon, May 8	7 pm	Lisa Colosimo
Kennett HS	Kennett Square	Tues, May 23	7 pm	Andrea Morris
Abington Senior HS	Abington	Wed, May 24	7:30 pm	
Nazareth Academy HS	Philadelphia	Wed, May 31	8 am	
William Tennant HS	Warminster	Wed, May 31	7:30 pm	
Villa Joseph Marie HS	Holland	Thurs, June 1	9:45 am	
Neshaminy HS	Langhorne	Sun, June 4	6 pm	Betsy Macht
Bensalem HS	Bensalem	Tues, June 6	7 pm	
Olney HS	Philadelphia	Wed, June 7	6 pm	Preash'a Brittingham
Conestoga HS	Berwyn	Thurs, June 8	7 pm	
Sun Valley HS	Aston	Mon, June 12	6:30 pm	Mary Ann Skehan
Central Bucks East HS	Doylestown	TBD		
Souderton HS	Souderton	TBD		

SWE Philadelphia Section Newsletter

May 2000

April Event Highlights

Science Fair Awards

Tammy Yost, Maggie Schwartz, and Barbara Faust of the Philadelphia Section, and Lisa Walton of Lehigh Valley were Special Awards judges at the Delaware Valley Science Fairs (DVSF) competition held on April 4, 2000 in Fort Washington. Each student who participated in the DVSF had won the right to compete by winning in one of 12 regional fairs held in Delaware, Southern New Jersey, and Southeastern Pennsylvania. The SWE awards were presented to the students by Tammy Yost at the Award Ceremony on April 5, 2000. The winners and their schools and projects are listed below.

\$500 Scholarship Award

Delaware Valley Science Fair - 12 Grade

Amie Bonner, Mt. St. Joseph Academy

Project: To Fly or Not to Fly

1st Place Awards of a book, *The Way Things Work*

Marie Curie Science Fair - 11th Grade

Julia Rosenbloom, Cheltenham High School

Project: A Study of the Mechanical Regenerative Braking Efficiency in an Automobile

Ben Franklin Science Fair - 10th Grade

Lucy Jacobson, Central Bucks High School West

Project: Blowin' in the Light: Light Pressure and Solar Sailing

Benjamin Banneker Science Fair - 9th Grade

Katie Devine, Unami Middle School

Project: Coagulation and Flocculation of Raw Water

Albert Einstein Science Fair - 6th, 7th, 8th Grades

Nyssa Romine, Patton Middle School

Project: Clarifying Holograms

Erika Wightman, Holicong Middle School

Project: Delayed, Gravity-Assisted Mechanical Light Switch

Honorable Mention

Delaware Valley Science Fair - 12th Grade

Aaliyah Savage, Lincoln High School

Project: Determining the Vapor Pressure of Agrochemicals by the Kroudsen Effusion Method Using QCM

Marie Curie Science Fair - 11th Grade

Renee Robert, Emmaus High School

Project: Computational Analysis of Bridge Structures

Kelly Robins, New Hope Solebury High School

Project: Wind Tunnel

Albert Einstein Science Fair - 6th, 7th, 8th Grades

Victoria Marion, St. Agnes Junior High School

Project: Which is the Best Wing Design?

Heather Kelly, Philadelphia Academy Charter School

Project: Magnetic Levitation

Business Etiquette Program at Widener

Philadelphia Section members participated in a lively panel discussion on Business Etiquette in the Workplace at Widener University on April 25, 2000. The four panelists, Jennifer Coriale, Jennifer Scholtter (for MaryAnn Skeeahan), Amy Ward Kozer, and Barbara Faust, represent a scope of experience that includes small, medium, and large businesses, the military, different engineering disciplines, and work histories ranging from less than a year to several decades. The panelists advised the students on how to handle various situations that may be encountered in the office, in the field, or during business travel. Additional dialog among the students, panelists, and Widener Student Advisor Vicki Brown continued during dinner.

50th Anniversary Celebration

Philadelphia Section Charter Member Alma Kuppinger Forman gave a one-woman skit on the origins of SWE at the 50th Anniversary Celebration and Awards Banquet held on April 18th. Other Section charter members and members from the 1950's who participated in the banquet included Doris McNulty, Kay Simon, and Gertrude Guers Moyer. SWE Men's Artillery charter members Ross Forman and Joe Eby provided amusing background on that organization and reactivated the group to induct Rodman Buggy, one of our past most active non-members. Bill Simon also took part in the festivities. Section memorabilia, including the original Section Charter, the Treasurer's ledger, old newsletters, and two sets of fold-out poster-board with black-and-white photographs of early activities were displayed. With any luck, there may be some photos in the June newsletter.

SWE Philadelphia Section Newsletter

May 2000

SWE Philadelphia Scholarship Awards

The recipients of the Philadelphia Section scholarship awards were honored at the SWE 50th Anniversary Celebration and Awards Banquet held on April 18. This year five scholarships, each valued at \$1000, were awarded to engineering students currently enrolled at local colleges. Each student was judged based on evaluation of the following items submitted in the application:

- A description of extracurricular activities with emphasis on any leadership roles she undertook;
- An essay about why she is studying engineering;
- A copy of her transcript;
- A recommendation from a Professor or teaching assistant with whom she has worked.

The FY'00 Philadelphia Section Scholarship Awards include three named awards (individual sponsor) and two Section awards (multiple corporate and member sponsors). This year's recipients are:

Anastasia Venable: Verizon Wireless Scholarship

Anastasia is a Senior majoring in Chemical Engineering at Widener University. She is President of the Widener SWE Student Section, a member of the American Institute of Chemical Engineers, Widener University's Engineering Council, and the Student Advisory Board for Career Advising and Planning Services. She has also served as an upper-class mentor for freshman engineering students.

Anastasia was group leader for her senior project, "The Manufacture of Collagen Microspheres for Culture of Stem Cells". She was named to the national Dean's List and to "Who's Who Among American Colleges and Universities."

She is a member of Phi Theta Kappa, Phi Kappa Phi, Alpha Chi, Tau Beta Pi (National Engineering Honor Society), and is Vice President of Omega Chi Epsilon (National Chemical Engineering Honor Society).

One of her professors describes Anastasia as an extraordinary person and a good leader with exemplary character. He feels she has enormous potential to complete a vast body of work in her lifetime.

Sonia Stewart: Alice Stoll Scholarship

Sonia is a Senior majoring in Chemical Engineering at Widener University. She is Vice President of the SWE Student Section at Widener and has served as the Section's Student Government Association representative.

Sonia is also involved in the National Society of Black Engineers and the American Institute of Chemical Engineers where she served as Student Government Association representative. She is a member of Tau Beta Pi (National Engineering Honor Society) and President of Omega Chi Epsilon (National Chemical Engineering Honor Society).

Sonia would like to make a major contribution to science and engineering that may help people all over the world.

One of her professors feels that she has great potential in Chemical Engineering; she is quick with complicated topics, is a good leader, and is very organized.

Donna Stauffer: Merck & Co. Scholarship

Donna is a Sophomore majoring in Chemical Engineering at Widener University. In addition to SWE, Donna is involved in the American Chemical Society, Biology Society/Environmental Club, Alpha Chi, Tau Beta Pi (National Engineering Honor Society), and is incoming president for the American Institute of Chemical Engineers. Donna is currently a research assistant in charge of collagen production process.

Donna was originally drawn to engineering because she wanted to make a difference in the world. She is very interested in the environment, especially the pollution problem. In a letter of recommendation one of her professors states: "Widener is fortunate to have a student like Donna. She should go quite far."

Shahin Merchant: Philadelphia Section Scholarship

Shahin is a Junior majoring in Computer Science and Engineering with minors in Economics and Mathematics at the University of Pennsylvania. She became involved in SWE during her Freshman year, which she spent at Cornell University. Shahin's long list of activities includes many positions of leadership. She was Mentorship Chair for the Association of Computer Science Undergraduates, Publicity Chair for the Cornell Business Society, and List Manager for the Society for India. Shahin is currently the Director of Alumni Relations for Penn's SWE Student Section, Publicity Chair for DP, Penn's student chapter of the Association for Computing Machinery, a peer advisor for EPAC, the Engineering Peer Advisory Council and a teaching assistant for the Department of Computer and Information Science.

One of her professors states that "Shahin is the best undergraduate in the current CSE junior class. Her class rank is #1 out of 125 students." He calls her a "brilliant student" and believes that she is a person who will make an important difference.

Amy Levine: Philadelphia Section Scholarship

Amy is a Junior majoring in Mechanical Engineering with a minor in English at the University of Pennsylvania. She has been a member of SWE since her freshman year. Amy is also a member of the Engineering Peer Advisory Council and next year she will be Assistant Director of the Council. Amy is a member of Penn's band where she has served as Archive Manager and section leader. Amy has also been involved with a number of other musical groups at Penn.

One of Amy's professors describes her as one of his better students. He finds her fully capable of carrying out engineering tasks and working as an engineer.

SWE Philadelphia Section Newsletter

May 2000

National Conference Events in a Nutshell

Monday, June 26

Local Interest Tour

- Potomac Evening Boat Tour

Tuesday, June 27

SWE Business Meetings

- Board of Trustees
- Board of Trustees and Board of Directors
- Board of Directors
- Student Region Meetings
- Student Activities Committee

Career Enhancement Series Workshops (CEU credit given)

- Basic Project Management
- Advanced Project Management
- Effective Business Writing
- Networking Know-How for Career Success: Making Your Contacts Count

Technical Tours

- FBI Headquarters
- Johns Hopkins Applied Physics Laboratory
- National Institute of Health

Local Interest Tours

- Gettysburg
- Bureau of Engraving and Printing
- US Holocaust Museum
- Theater Night

Other Events

- Student Reception & Ideas Exchange
- Golf Tournament
- Graduate Student Networking
- Family Programs

Wednesday, June 28

SWE Business Meetings

- Board of Trustees
- Pre-CSR Finance for Section Reps
- Counselors & Faculty Advisors
- 50th Anniversary Committee
- Archives Committee
- Career Guidance Committee
- Continuing Development Committee
- Documentation Committee
- Electronic Communication Committee
- Family Issues Committee
- Finance Committee
- Fund Development Committee
- Membership Committee
- Multicultural Committee
- Procedures Committee
- Publications Committee
- Public Relations Committee
- Scholarship Committee
- Women in Academia
- Women in Government

Career Enhancement Series Workshops (CEU credit given)

- Negotiation Skills: Unraveling the Mysteries of Successful Negotiation
- Running an Effective and Accountable Meeting
- Teamwork Solutions that Work!

Professional Workshops

- Diversity: Peeling Away the Layers; Reveling in our Many Identities
- Marketing Yourself for Career Success

SWE Workshops

- Exxon Education Grants
- How to Bid a National Conference
- Multicultural Concerns
- Region Coordinators Training
- Region Representative Training
- Newsletter Editor Training
- Section Vitality Forum
- Strategic Planning / MOST Training
- Student Section Leadership Training

Technical Tours

- Naval Research Laboratory
- US Patent and Trademark Office
- Cable and Wireless USA
- Goddard Space Flight Center (NASA)

Local Interest Tours

- Private White House Tour
- National Museum of Women in the Arts
- Wine Tour

Other Events

- Career Fair & Exhibits
- Student Opening Lunch
- Ice Cream Social

Thursday, June 29

SWE Business Meetings

- SWE Fellows
- Members-at-Large Meeting
- Pre-CSR Procedures for Section Reps
- Bylaws Committee
- Nominating Committee
- Tellers Committee

Professional Workshops

- Generation X - Creating an Environment to Motivate and Retain this Valuable

Workforce

- Managing Change in your Organization

SWE Workshops

- Career Guidance
- Family Issues
- Finance Workshop for Section Treasurers
- Fund Development Training
- How to Be a Section Representative
- Membership
- President's Leadership Forum
- Roundtable Board / WEPAN
- SWE Section Web Sites

Industry Panels

- Perspectives on Information Technology: Imagining the Future
- Perspectives on Organization and Management Styles for Recruiting, Retaining, and Developing Your Engineering Workforce
- Perspectives on Transportation and Society in the 21st Century

- Perspectives on Lifelong Learning for Career Development

Technical Tours

- FBI Headquarters
- National Institute of Standards and Technology

Local Interest Tours

- US Holocaust Museum
- A Day in Baltimore
- Illuminated Tour

Other Events

- Keynote Breakfast
- Career Fair & Exhibits
- Family Issues Social
- Student and Alumni Reception
- Student Awards Banquet

Friday, June 30

SWE Business Meetings

- Region Meetings
- Council of Section Representatives

Government Panel

- Perspectives on Public Policy: How Government Decisions Impact Women Engineers

SWE Workshop

- Professional Association Liaison

Technical Tours

- Northrup Gruman
- The Pentagon
- Mitretek Systems

Local Interest Tours

- DC Highlights
- Annapolis/US Naval Academy

Other Events

- Meet the SWE VIPs
- Networking Night at the National Building Museum: Highlight of SWE's 50th Anniversary Celebration

Saturday, July 1

SWE Business Meetings

- Strategic Planning
- SWE Magazine Editorial Board
- SWE Membership

Professional Workshops

- Mentoring and Career Growth
- Snakes, Apes, and Bees: How to Deal with Animal Behaviors in a Civilized Workplace

SWE Workshop

- Continuing Development

Technical Tours

- Goddard Space Flight Center (NASA)

Local Interest Tours

- Mount Vernon Boat Trip

- Arlington National Cemetery

Other Society Events
- Achievement Awards Banquet

SWE Philadelphia Section
C/O Engineer's Club
Suite 36
215 South 16th Street
Philadelphia, PA 19102

ADDRESS CORRECTION REQUESTED

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

SWE Philadelphia Section Newsletter May 2000

May Events

Beginner's Golf Outing
Sub-Section Dinner Meetings
Certificate of Merit Presentations
National and Regional SWE Elections

This newsletter's mailing is funded through a grant from
Lockheed Martin Management and Data Systems. Thank you!

**ELECTION BALLOT AND INTEREST SURVEY FOR FY'01
SOCIETY OF WOMEN ENGINEERS - PHILADELPHIA SECTION**

Instructions:

Please check one name or write-in per category. Please sign the outside flap of your envelope and mail completed ballots by May 26 to Susan Sciarratta at 271 Yorkshire Drive, Newtown, PA, 18940.

PRESIDENT (check one):

Lisa Colosimo

Write-In Candidate: _____

VICE-PRESIDENT (check one):

Jennifer Wetzel

Write-In Candidate: _____

TREASURER (check one):

Barbara Faust

Write-In Candidate: _____

SECRETARY (check one):

Heather Bernardin

Write-In Candidate: _____

SECTION REPRESENTATIVE (check one):

Margaret Schwartz

Write-In Candidate: _____

I WOULD LIKE TO SERVE ON (S) OR CHAIR (C) THESE COMMITTEES:

Name: _____

Awards Career Guidance Certificate of Merit

Continuing Development Corporate Liaison Engineers' Week

ETSCO Representative Job Bank Membership

Newsletter Programs Publicity

Scholarship Science Fairs Social Events

Speakers Bureau Student Liaison Web Page

SWE Counselor (for Student Sections - Drexel, Swarthmore, Temple,
 U of Penn, Villanova, Widener)