



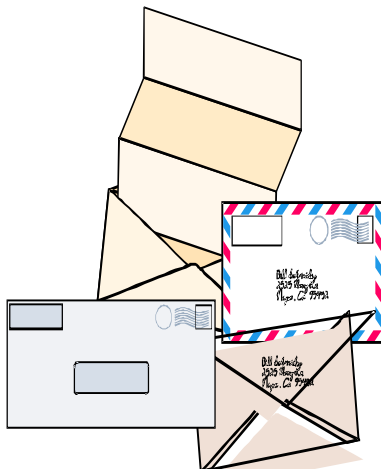
## SWE Philadelphia Newsletter

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Enclosed

**Ballot Enclosed - Don't Forget to VOTE! Ballots are Due June 3! Make your vote count -**



**Sign the envelope flap which contains your vote!**

### Presidential Letter

**FY97** is rapidly coming to a close. Our membership has increased to 120 members, up 9 members from last year. SWE Philadelphia welcomes Barbara McCown-McLintick from Berwyn and Evelyn Williams from Wilmington to our section.

Our members are getting ready for the National Convention in Albuquerque. The Region E Section Meeting in Rochester was attended by Susan Best and Cindy Potter. Ronna Robertson will be the Region E Director for the next two years.

Elections for next year's officers are now being held. Return your ballot before June 3rd. You must sign the outside flap of the envelope to validate the ballot. Winners will be announced before National Convention in June.

The Awards Banquet was held on April 23rd at the Radnor Hotel. Five thousand dollars in scholarship money was awarded to students from the University of Pennsylvania, Villanova University, Drexel University, and Swarthmore. A five hundred dollar Science Fair scholarship was given to Penridge Central High School senior, Katrina Krulla. A total of 22 attended the banquet. Representatives from PECO Energy, American Water Works, Lockheed Martin Management and Data Systems, Raytheon Engineers and Constructors, and Delmarva Power joined us to present scholarships and honor the winners. Awards were also given to Section Officers and Committee Chairs for their contribution during the past year.

The Industry Reception with the Society of Women Engineers Board of Directors was hosted by the Philadelphia Section on April 30th. The meeting was well attended with section members and industry representatives. Discussions centered around the role of SWE in serving industry and the community as well as its members.

- ◆ Don't forget to mail your ballots for next year's officers.
- ◆ Volunteers are needed for Newsletter and for Web Page Coordinator
- ◆ Presenters are needed for Certificates of Merit - see article this issue
- ◆ All of our committees need volunteers. Get involved!
- ◆ Most of all, **THANK YOU** to all those who supported the organization in the past year. We've accomplished many tasks through better communications and increased member participation!

*Vicki Land*



<b>SWE CALENDAR</b>	
<b>MAY</b>	
17	TOUR OF BOSTON HARBOR, SWE-BOSTON, (P) 617-594-4SWE
19	<b>Executive Board Meeting Contact Vicki Land for Location</b>
28	Newsletter Inputs Due
<b>JUNE</b>	
13	<b>Ballots Due to Lisa Hutchings</b>
15	<b>Section Picnic &amp; Executive Board Meeting at Delmarva Power Conference Center Contact Vicki Land</b>
18	<b>Lehigh Valley Section Reactivation Banquet -- Contact Lisa Walton</b>
24 - 28	<b>SWE NATIONAL CONVENTION ALBUQUERQUE NM</b>

**Philadelphia Section Hosts Society's Board of Directors**

On April 30 through May 3, the Society's Board of Directors met in Philadelphia. As has become a tradition with the Board, the meetings began with an Industry Reception for local employers. On Wednesday, April 30th, 26 representatives of 12 area companies were introduced to SWE and the Philadelphia Section. After opening remarks by Harold L. Yoh, Jr. CEO of Day & Zimmerman (our host for the reception), SWE President Peggy Layne described the general goals and structure of the Society. Susan Best, Philadelphia Section Vice President and Corporate Liaison, followed with a description of our Section, our current activities, and potential activities. A packet of information on the Society and the Section was distributed and the companies were urged to encourage their employees to be active members of SWE.

In response to the invitation for the reception, a number of companies expressed interest but were unable to attend. A copy of the packet will be mailed to these companies and/ or a member of the Section will visit. If any one would be willing to help visit companies, or would like to have information provided to their company, please contact Susan Best.

Our thanks go to Day and Zimmermann for hosting the meeting and the four Society officers and six Philadelphia Section officers/members who attended the reception.

**ADVERTISING RATES**

**Half Page or 8 X 5 is \$70.00; Full Page or 8 X 10 is \$125.00; Business Card or 3 X 5 is \$35.00**

Material should either be camera ready or PC ready Contact Maggie Schwartz (Newsletter Editor)

**This Newsletter's reproduction and mailing is funded through a grant from Lockheed Martin Management and Data Systems.**

**Congratulations!**

- Janet Anderson has received her MBA from the University of Delaware
- Vicki Land has been awarded "Tomorrow's Leaders Today" from Public Allies of Delaware
- Yael Heller has joined Geraghty & Miller, Inc.; she has been elected to the Board of Directors of the American Society of Civil Engineers Philadelphia Section, and is Vice President of its Younger Members Forum.



*Society of Women Engineers Philadelphia Section 1997 Awards Banquet*

Thanks to our Corporate Sponsors, Member Sponsors and participants the 1997 Awards Banquet was a success. The Society of Women Engineers Philadelphia Section gratefully acknowledges our Sponsors:

Corporate Sponsors		Member Sponsors
<b>Gold Sponsor</b>	American Water Works ARCO Chemical Company Delmarva Power and Light Co. Lockheed Martin - Government Electronic Systems Lockheed Martin Management and Data Systems PECO Energy Company Raytheon Engineers and Constructors, Inc.	Susan Best Barbara Faust
<b>Friend of SWE</b>	IBAH, Inc.	Amy Emhof Ann Michels Susan Sciarratta
<b>Silver Sponsor</b>		Roberta Brown
<b>Bronze Sponsor</b>		Vicki Brown Carole Stowell

Scholarship Awards were presented by Corporate Sponsors and their representatives. Congratulations to all!

<i>Sponsor</i>	<i>Presenter</i>	<i>Recipient</i>	<i>School</i>
American Water Works	Suzanne Chiavari, PE	Leslie Mesnick , Graduate Student	University of Pennsylvania
ARCO Award		Jennifer Pudjak, Sophomore	Villanova University
Delmarva Power & Light Company Award	Nancy R. Giove	Jill Bennett, Sophomore	Drexel University
PECO Energy Award	Sandra Joyce May	Vinaya Valloppillil, Junior	University of Pennsylvania
Raytheon Engineers & Constructors Award	Maria S. Pollan, PE	Carina "Nina" Guiao Santos, Senior	Swarthmore College
Science Fair Scholarship	Barbara C. Faust	Katrina Krulla	Penridge Central High School



**Delaware Valley Science Fairs**

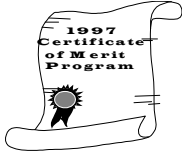
For the fourth year, the Philadelphia Section provided Awards to girls with engineering-related projects at the Delaware Valley Science Fairs. On Wednesday, April 2nd, four SWE members (Barb Faust, Susan Best, Lisa Walton, and Maggie Schwartz) supplemented by two volunteers from Rohm&Haas(Daphne Stewart and Diana Gano), judged projects prepared by students in Grades 6-12. There were many good projects. For the first time, one of the students met our guidelines for a \$500 scholarship, which was presented to Katrina Krulla at the Awards Banquet on April 23. The other awards are:

Award	Exhibit	Exhibitor's Name	Name of Project	Exhibitors School
<b>Delaware Valley Science Fair (12th Grade)</b>				
First	A402	Katrina Krulla	It's a Gas, Liquid From Trash III	Pennridge Central High School
Honor	A704	Tamara Hoffman	Street Hockey - A Puck for Every Surface	Vineland High School
Scholarship	A402	Katrina Krulla	It's a Gas, Liquid From Trash III	Pennridge Central High School
<b>Marie Curie Science Fair (11th Grade)</b>				
First	B804	Leah Horowitz	The Rate of Water Flow from Contaminant Pool to Water Source	Cheltenham High School
Honor	B706	Jaclyn Marcel	Wind Power: An Alternative to Fossile Fuels	Villa Joseph Marie High School
Honor	B417	Rachel Reynolds	The Effect of Heating and Cooling on the Strength of Glass	Liberty High School
<b>Ben Franklin Science Fair (10th Grade)</b>				
First	C608	Genevieve Younce	Feel the Earth Move	Germantown Academy
Honor	C1208	Karen Verlinghieri	Angular Symmetry	Ridley High School
Honor	C703	Danielle Fiorello	Properties Affecting the Displacement of Plane Trusses	Cardinal O'Hara High School
Honor	C705	Tiffany Mc Clure	Windmills - Does Blade Design Improve Energy Generation?	Cardinal O'Hara High School
<b>Benjamin Banneker Science Fair (9th Grade)</b>				
First	D712	Emily Sluzas	Magnetic Levitation and Electricity Consumption	Cheltenham High School
Honor	D709	Allison Kubiak	Load Bearing Capacity of I Beams	Wildwood Catholic High School
Honor	D710	Julie Micklos	Comparison of Wood Products in Twisting and Bending	Villa Joseph Marie High School
<b>Albert Einstein Science Fair (6-8th Grades)</b>				
First (Tie)	E715	Erika Marion	The Strength of 'Various Concrete Mixtures Phase II	St. Agnes School
First (Tie)	E1219	Alicia Oman	The Effectiveness of Active and Passive Noise Control on Frequencies	Indian Valley Middle School
Honor	E721	Jessica Roeske	Flying High with Wing Design	George I Hess Educational Complex
Honor	E616	JoHanna Przybylowski	A Better Look at the Stars	Cedarbrook Middle School
Honor	E424	Rosalyn Plotzer	The Secret Life of Waterproof Mascara	Talley Middle School

There were so many good projects, winners were difficult to select. Science Fair judging is a worthwhile and enjoyable project for which volunteers are always needed. Also, contributions towards the Science Fair and other scholarships are gratefully accepted and acknowledged.



**Certificate of Merit Update**



**As of the 4th of May Certificates were prepared and forwarded to 56 High Schools. Presenters are needed for the following school award assemblies:**

SCHOOL	TOWN	DATE	TIME
Pottstown Sr. High School	Pottstown, Pa,	Monday, 12 May	7:00 p.m.
Chichester High School	Boothwyn, Pa.	Thursday, 29 May	7:00 p.m.
Upper Darby High School	Upper Darby, Pa.	Thursday, 29 May	7:00 p.m.
South Philadelphia High School	Philadelphia, Pa.	Thursday, 12 June	a.m.
Middletown High School	Middletown, De.	Friday, 30 May	9:00 a.m.
Palisades High School	Kintnersville, Pa.	Tuesday, 27 May	7:00 p.m.

**Section Activities to Become Involved In**

SWE Philadelphia offers a variety of activities for engineers and students.

- Continuing Development - By attending meetings focused on a particular subject or by becoming involved in the operation of the section, members can gain valuable skills which translate to improved work performance. Taking an active role in one of the Section's committees or as a section officer develops and hones leadership, management and communication skills. Presentation skills can be polished by volunteering to become a speaker through the Section's Speakers Bureau, which coordinates requests from community organizations and schools.

**Volunteers Needed for an Engineering Review Board:**

to evaluate Student Projects at Archbishop Ryan High School, 11101 Academy Rd. in the far Northeast Philadelphia on Wednesday May 28 from 12:00 Noon until 3:30 p.m. The Students have designed a container for a specified volume of some material. There are five students per team. The review board members receive a 10 to 15 minute presentation by each team. Please contact Barbara Faust for more information.



## Job Bank Opportunities

Recruiter - Seeking Sr. Proj. Mgr. for King of Prussia area facilities construction projects (want 8+ yrs. of exp. in all phases of projects), \$52K - \$65K plus bonus. Contact Peter Feldermann, Texel, 610-828-3850 (fax 610-828-1095)

Recruiter - Seeking Optical Eng. (lens design/modeling) with degree in physics or optical eng. for Massachusetts. Seeking Sr. Mech. Eng. (optical/mechanical design: robotics systems , mfg. controls, CAD/CAM). Seeking Sr. Elec. Eng. (photonics, electrical optical lasers). Salary depends on history, ranging from \$60K to \$90K. Dave Mainwaring, Rockport Group, 508-820-2721 (fax 508-620-9717)

Recruiter - Seeking Central NJ for Top 10 Fortune 500 Company Proj. Engrs. , Proj. Mgrs. , Proc. Design and Proc. Control personnel in West Virginia. Contact Travis Bonner Richard, Wayne and Roberts. 800 - 364-7979 (X 254) (fax 713-623-2740)

Recruiter - Seeking EE degrees in West Chester for Mars Electronics Int'l. for Software Engrs. (2+ yrs exp. in embedded micro controller based systems (Intel or Motorola), C and Assembler Languages, knowledge of structured design techniques). and Hardware Engrs. (2+ yrs. exp. with dedicated control or embedded systems, strong troubleshooting, digital circuit and analog design skills, familiarity with Intel type microcontrollers) and Technical Sales Support Specialist (proven technical skills in systems analysis , product application and systems interfacing, presentation & training skills, analytical capacity, computer skills, interface with customers. 50+% travel). All opportunities at \$40K to \$55K. Contact Earl or Brian Handley, 352-337-9660 (fax 352-337-9667) or MEI at 610-430-2590.

Recruiter - Seeking various positions throughout the country (CA, OH, CO, FL, MD, MI, NY) such as software, electrical, RF, mechanical, quality, manufacturing, sales, controls, systems, Webmaster, operations hiring mgr. industrial. Contact Janet Anderson at 609-540-2995 for a fax of the list. Contact Chris Beckage of Superior Design Co. at 800-568-8310, ext. 240 (fax 716-633-7985) (beckagec@buff.supdes.com) (www.supdes.com)

Recruiter - Seeking Mfg. Engrs. in Maine, Vermont, New Hampshire,. Looking for backgrounds in high volume mfg. of consumer products, medical, pharmaceuticals, food, paper/printing, plastics, etc. Focus on efficiencies and plant throughput. Prefer Mech / Mfg. with 2 to 5 yrs. exp. \$55K - \$65K. Contact Jo Adams , Adams Associates 413-267-3617 (fax 413-267-3773) (102654.3602@compuserve.com)

Recruiter - Seeking 80 positions in Engineering (Proj., Env. , Elect.), Quality/Regulatory (QA, Regulatory Affairs, Microbiology Manager, Research), Manufacturing (Supv. , Eng. : Mfg. Ind. Proc. Proj. Molding Packaging Elect. ) \$34K to 120K+. Contact Janet for a fax of the listing at 609-540-2995 or visit the webpage listed at the end. Contact Gary Lowy, F-O-R-T-U-N-E Personnel Consultants of Atlanta, 770-246-9757 (fax 770-246-0526) (search@fpccareers.com) (webpage at www.fpccareers.com)

Recruiter - Seeking Project Manager (commercial land development experience -- retail industry -- work with architects -- Eng. -- construction - - planning -- zoning). Contact Sean Rigsby -- 860-522-8313, (fax 860-522-8313) ( rjs@rjsassoc.com); (website www.rjsassoc.com)

Recruiter - Seeking 3 marketing engineers for new product development and related processes (bachelors degree min., prefer MBA, good communications skills, team oriented), \$50-70K. Also seeking a senior design engineer to develop/design systems (BSEE or related experience, knowledge of LAN systems, team oriented, ability to work with customers), \$50-75K+. Positions are in San Diego California. Contact Cari Clawson of Human Resources Alternatives at 610-407-9010 (fax 610-647-1104).

Recruiter - Seeking EE in Wisconsin for Elect. Eng. (Software systems, P/C mainframe). Will soon have more Elect. Eng. and Mech. Eng. positions nationwide. Contact Sue Holloway at Sterling Sharp at 800-750-2890. (fax 813-288-9031).

Recruiter - Seeking for South Georgia a Mech. Eng. (BS with 2 to 3 yrs. exp. ) for mfg. of commercial refrigeration equipment (develop processes to increase production speed on 2 lines with 6 to 20 people). Contact Ernie Cavallaro or Charles Schrauth, MSI International, 800-659-2762 (fax 770-394-2251) (msimsp@mindspring.com) (webpage www.onramp.net/msi/).

## Other Recruiters

Chris Colosimo, Richard, Wayne and Roberts 800-364-7979 x 356.

Dave Edmonds, Edmonds Personnel, 864-288-4848 (fax 864-288-2114) (www.edmondspersonnel.com)

Stephen Karel, Karel & Company, 970-385-6858 (fax 970-259-7565)

Audrey Lake, Lake & Manning Consultants 508-473-6955 (fax 508-473-6956)

Karen Rodebaugh, Management Recruiters of Lancaster, 717-397-6444 (fax 717-397-6662)

Linda Paul, Gilbert Tweed, 201-731-3033 (fax 201-731-2536)

AEL Industries -Contact Karen Jones or Marci Cavanaugh at 215-822-2929 (fax 215-822-9165).

Deborah JanFrancisco, 610-825-6220 (fax 610-825-7503)

Tish Miller, Aerotech, 800-829-4692.