



SWE Outlook

November 2002

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November Meeting

Nutritional Eating for the Holidays

On November 14th, nutritionist Alice N. Johnson will provide some advice on making healthy selections during the season when we are surrounded by food. Join us to take part in this timely discussion.

Alice N. Johnson, MS, RD received her B.S. in Nutrition from Penn State University and her MS in Nutrition Education from Drexel University. She has forty years of experience in the Nutrition field, and has recently retired as head of the Philadelphia Head Start Nutrition Program. Mrs. Johnson holds professional memberships in the American Dietetic Association and in the Pennsylvania and Philadelphia Dietetic Associations. She also spends many hours volunteering for the American Cancer Society, the Keys to Living Network, and The Women of Faith and Hope.

Date: Thursday, November 14, 2002
Time: 6:00 pm
Place: Williamson's Restaurant
Easton and Blair Mill Roads
Horsham, PA 19044
(a few blocks north of the PA Turnpike Willow Grove Exit)

RSVP: to Carole Stowell by Thursday, November 7, 2002
at 610-531-5320
or Carole.N.Stowell@lmco.com

Please specify entree choice: Chicken Marsala or Broiled Filet of Flounder
Dinner includes fruit cocktail appetizer, garden salad, entree, chocolate mousse dessert, coffee or tea

Cost: \$25 for members and guests
\$15 for students

Notice: Please contact Barbara Faust concerning your preferred newsletter distribution format: paper, electronic, or both. Several newsletter recipients have already indicated a preference for electronic copies, others prefer paper. The choice is up to you. Electronic copy only will help to offset increasing costs for paper distribution.

We will gladly include news items and activities from SWE Student Sections and nearby SWE Sections in *SWE Outlook*. Announcements for other organizations will be included as time and space permit. Please send inputs to Barbara.Faust@swe.org.
Deadline for the next issue is Friday, November 23, 2002.

The Society of Women Engineers is a non-profit, educational service organization dedicated to making known the need for women engineers and encouraging young women to consider an engineering education.

SWE Calendar - FY03

Date	Event	Location
Nov 14 23	Section Meeting: Eating Well for the Holidays Girl Scout Digital Divas Program	Williamson's, Willow Grove University of Pennsylvania
Dec 12	Montco Sub-Section Meeting	Bertucci's, Plymouth Meeting
Jan 16	Professional Development Seminar: Technical Report Writing	Villanova University
Feb 16-22	Engineers' Week SWE-Widener Engineering Mini-Camp	Various Widener University
Mar 18 28-30	Professional Development Seminar: Technical Presentations Mid Atlantic Region (E) Meeting	Villanova University Hampton, VA
Apr	Section Awards Banquet	TBD
May	Technical Tour	TBD
June	Sub-Section Meetings	Various

Announcements

- **Digital Divas** - The Girl Scouts of Freedom Valley are looking for people to help with workshops for the Digital Divas program to be held at the University of Pennsylvania on November 23, 2002. This event is fully subscribed with 150 scouts signed up - 75 from the Freedom Valley Council and 75 from the Southeastern PA Council. A little more than half of the girls are in 4th to 6th grade and the rest are 7th-11th grade. UPenn is one of four sites providing pretty much the same program on the same day. The other sites are Rutgers, New Jersey Institute of Technology, and Wor-Wic Community College in Salisbury, MD. Collectively, over 500 girls are involved.

The UPenn site needs facilitators for the web design workshop and the animation workshop. These two workshops will be in the morning, with one session for the younger girls and the other for the older girls. Two computer labs will be available in Samson Place West located at Samson and Chestnut Streets; 14 Dell computer stations are in each lab (14 girls will be in each workshop session). These labs are operated by the UPenn Training Group; *Dream Weaver 4* is suggested for the web design workshop; *Micromedia Flash*, *Image Ready*, and *Gift Construction* are suggested for the animation workshop. For more information on these computer programs, contact Terry Settles, Senior Technology Training Specialist, at settles@pobox.upenn.edu.

People are also needed to help out with the EXPO portion of the program for the afternoon workshops that will focus on computer applications. For more information on these workshops and for the Digital Divas program in general, please contact Christine R. Snyder at Chris@gsfvc.org.

- The national **SWE on-line directory** has been updated. Your member ID and password will allow you access to the directory. In conjunction with the update, **all members have been issued a randomly-generated new ID**. Your new ID number is on the dues bill and member update form sent to you from headquarters. If you've misplaced or forgotten your password (or don't know your new member ID), please e-mail the member services center at hq@swe.org.
- **Changes** have been made to the **SWE membership application form**. Visit <http://www.swe.org> to download the updated form to be used for new member application or to request a membership upgrade.

The **SWE OBJECTIVES** are:

- *to inform young women, their parents, counselors, and the general public of the qualifications and achievements of women engineers and opportunities open to them;*
- *to assist women engineers in readying themselves for a return to active work after temporary retirement;*
- *to serve as a center of information on women in engineering; and*
- *to encourage women engineers to attain high levels of educational and professional achievement.*

Section News

October Meeting: Intelligent Search

On October 22, Pamela J. Ciccantelli, a Recruiting Strategist who spent over 15 years in the talent search business, provided valuable information about **job seeking and personnel recruiting** in today's marketplace. Our speaker provided guidance on the types of questions you should ask if you are interviewing candidates for a position and the types of information that you should provide during an interview. Some of these tips will be included in future Professional Development Sections of the newsletter.

Pamela's book, titled "Intelligent Search" and subtitled "Finding the Best Talent for your Company and the Best Company for your Talent", is due out within a few weeks. The book will be available through the web and through local booksellers. You may contact Pamela directly through pamela@intelligent-search.com.

Girl Scout Junior Jamboree 2002

On Saturday, October 5th, Maggie Schwartz, Carole Stowell, and Barbara Faust introduced "Chocolate Asphalt" to more than 70 Girl Scouts who participated in the Freedom Valley Girl Scout Council Junior Jamboree 2002 held at Camp Tohikanee. In addition to learning something about road surfaces, the girls could take their "roads" with them to eat later.

Making Strides Against Breast Cancer Walk

On Sunday, October 13, 2002, Philly Members Nicole Johnson and Lisa Colosimo, a local engineer who is interested in joining SWE, and a dog participated in the Annual Making Strides Against Breast Cancer Walk along West River Drive. This is the first time that SWE-Philadelphia joined the five-mile walk sponsored by the American Cancer Society. Our group raised \$462 for breast cancer research and education. We hope to have increased Section participation next year's walk.

Around the Region

DelMar Peninsula Section

The **SWE Speaker's Bureau Series** of talks has been scheduled to help SWE members and the local community to learn, network, and develop professionally. Future scheduled themes or topics of the Speaker's Bureau are Work/Life in November 2002, Local Industries in January 2003, Technical/Career Guidance in March 2003, and Women's Health Issues - Breast Cancer in May 2003. For more information, contact Kerry Anne Rick at riekka@ace-net.com or Pamelyn Lindsey, SWE Speaker's Bureau Chair, at pamelyn.g.lindsey@usa.dupont.com.

New Jersey Section

SWE-New Jersey Section held a business meeting on October 23rd at the Johnson & Johnson facility in Bridgewater. Agenda topics included: News from the National Convention; Status on the joint meetings with Student Sections at Rutgers in December and at the College of NJ in Trenton in November; Status on the Corporate event; Status on SWE Award nominations; News on recent SWE events at Stevens, Lockheed Martin in Moorestown, etc.

For more information, please contact Tracy Flathman at 908-243-2804 (office) or tflathma@prdus.jnj.com.

National News

IN MEMORIAM

Giuliana Cavaglieri Tesoro

Giuliana Cavaglieri Tesoro, 1978 SWE Achievement Award winner and a member of the Philadelphia Section passed away on September 29, 2002. Dr. Tesoro's Achievement Award citation is "for significant contributions to the science and technology of polymers, fibers, and fabrics in textile and chemical engineering." Her achievements included development of an anti-static chemical for synthetic fibers, improved permanent press properties for textiles, and flame-resistant fibers. She scaled pilot plant results to full commercial operation and held over 100 patents related to organic compounds and textile processing. Dr. Tesoro received her Ph.D. in Organic Chemistry from Yale University.

Student Corner

Drexel University Student Section

- The **Drexel Student Section meeting on October 23, 2002** featured Guest Speaker Daniel Pierce who works with Rohm and Haas as a Supply Chain Process Manager in the Coatings group in downtown Philadelphia (HQ is across from the Liberty Bell). Mr. Pierce, a 1986 Drexel graduate, talked about job opportunities available in the company. Graduating seniors can submit their résumés to Dan; co-op students can check under Drexel's database, or submit their résumés to Dan. He will return on November 4th to give the presentation again. Another speaker will be on campus in mid-November to talk about co-op opportunities. If there is something you would like help with, e.g., résumé writing, how to interview, etc., e-mail swe@drexel.edu and the request will be passed on to Rohm and Haas to see if they could have a speaker come talk to us. For more information about the company, visit website <http://www.rohmhaas.com>.
- **CEO Workshop- "Women and Leadership"** will be held on November 13th at 6-7:30 PM in the Living Arts Lounge, Creese Center. This workshop is in place of the general meeting. Let the Section Officers know if you attend any other CEO workshops to get credit for participation. Our picture will be taken for the yearbook 15 minutes before this meeting.
- **National Conference** - members who attended the Conference shared with us their experience. The conference is a good place to distribute your résumés, both online (computers are available at the Conference), and via hard copies to the companies. Joan Ward was elected Region E Student Representative. Any concerns you have about SWE or Drexel SWE can be directed to swe@drexel.edu and we will pass them along to Joan. Membership dues are now \$20 for student membership; Upgrading to Professional status-the first year is \$20, the second year is \$50, and after that is \$100.
- **Upcoming Social** with other engineering societies - suggested date is November 21st; we want to have it in Van R.
- **Résumés** have to be in by February 1st to be included in a Résumé book to be handed out at Career Fairs, etc.
- **Animal Shelter** - November 2nd from 10 am-1 pm. You need to bring your own lunch. Wear close-toed shoes, and clothes that can get dirty. We will be cleaning, brushing, and cuddling the dogs and cats. E-mail SWE for carpooling information.
- **Habitat for Humanity** - There will be a "Drexel Habitat Rally" in the main auditorium on Friday, November 22nd. Cost is \$5. All proceeds will benefit sponsorship of a house.
- **Elections** - Nominations are due by the end of January. Start thinking about what you would like to run for. See the Constitution at <http://www.pages.drexel.edu/~dsoswe/constitution.html> for a list of positions, duties, and requirements. Possible new position - Drexel SWE newsletter editor, once/twice a month, via e-mail and/or distribution at general meetings, answer an engineering question, focus on a woman professor in engineering at Drexel, focus on a professional woman engineer, engineering article from a different engineering concentration each issue, future events around campus, fun facts about engineering.
- **GOES- Girls Opportunities in Engineering and Science** - The College of Engineering offers an outreach effort to motivate larger numbers of girls to consider engineering as a viable career option. The outreach effort is in the form of an engineering education workshop that goes to middle schools and junior high schools. Program Dates for 2002 - 2003 are: Saturday, November 9; Saturday, November 16; Tuesday, November 26; Friday, December 13; Saturday, January 11; Friday, January 24; Friday, March 1; Friday, April 25. Training will be held on Tuesday, October 29th at 5 PM. E-mail Chong if you are interested in doing this- you must be trained in order to participate.
- **Signing up for community service** -if you sign up, it is very important that you show up and participate.
- **Point system:** A point system will be put into effect again this term. The reason we are keeping a point system is for the National Conference. SWE will pay for some of the expenses if you are an active member. Points are awarded as follows: *2 points for attending an event; *1 point for attending a meeting; *1 point for giving a valid reason for not being able to make an event; *1 point for getting a new member to join SWE - to get this point, ask your friend to put your name down as the person who asked you to join when signing in.
- **Socials:**
 - *Phantom of the Opera - money is due Nov 1st for tickets. Please bring \$25 to Curtis 261, attention Susan Agee (if check, make payable to Drexel SWE). Event will be either Sunday the 10th or 17th at 7:30 at the Forrest Theater.
 - *Late Skate - U of Penn Skating Rink, Halloween night from 12 AM-2 AM, SWE will pay-come as a group; e-mail SWE if you are interested
 - *Friday Night FlicksL: MIB II - November 15-17; Signs-November 22-24
- **SWE scholarships** - For more information/application, see <http://www.swe.org/SWE/StudentServices/Scholarship/>

If you have any other things you would like discussed, feel free to ask them at our meeting, or e-mail swe@drexel.edu. Visit our webpage at: <http://www.pages.drexel.edu/~dsoswe/>

Philadelphia Region Future City Competition

by Jennifer Wetzel

The 7th Annual Philadelphia Region Future City Competition, which is sponsored by the Delaware Valley Engineers Week Council, will be held on January 25, 2003. In the Future City Competition, teams of 7th and 8th graders work with teachers and engineer mentors to:

- Design a city of the future using *Maxis SimCity 3000* 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.

This year's competition is underway with at least 36 schools signed up. Help is needed to keep the competition growing! Volunteers are needed to serve as judges and evaluators at the competition on January 25; the greatest need now is for school mentors. For the complete list of registered schools, visit website www.futurecityphilly.org.

Help is needed 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. You may choose a school close to where you live or work. Approximate time commitment: 35 hours Sept - Jan.

Judges: Engineers or engineering students to judge the team's city design, essay, and model / presentation. Approximate commitment: 12 hours, Nov - Jan.

Competition Support: Volunteers to keep the competition day running smoothly including registration, team escorts, security, timers, and award distribution. Approximate commitment: 10 hours.

Steering Committee: Provides help in finding volunteers, fund raising, and making the program a success

The Philadelphia Region is also conducting a pilot **Special Design Award** program sponsored by Bentley Systems. Schools signed up for this program as a separate project and students are being trained in the use of Bentley System's *Microstation* application. People knowledgeable in *Microstation* are needed to work with the schools participating in this pilot program.

Mentors are needed for the following schools:

Abington Friends School, Abington, PA
Cedarbrook Middle School, Wyncote, PA
Chichester Middle School, Boothwyn, PA
Grover Washington Jr. Middle School, Philadelphia, PA (Olney)
Holy Rosary Elementary, Claymont, DE
Homeschoolers, Holmes, PA
John Paul Jones Middle School, Philadelphia, PA (Richmond)
Kutztown Area Middle School, Kutztown, PA
Radnor Middle School, Wayne, PA
Strath Haven Middle School, Wallingford, PA
Visitation BVM School, Philadelphia, PA (Kensington)

If you would like to help out, please contact Jen Wetzel who will put you in touch with the teacher. If a school you have worked with in the past has not yet signed up, feel free to contact the school yourself, or Mary Moyer, Schools Coordinator, can contact the teacher for you. Interested in helping but don't see a school in your area? Contact Jen Wetzel so that she can send you an e-mail if a school registers in your requested area.

Please visit website www.futurecityphilly.org for more information and to sign up on-line. If you not able to be a mentor, but would like to volunteer for the competition, contact Jennifer Wetzel, Philadelphia Regional Volunteer Coordinator by phone: 215-573-3935; fax: 215-746-6606; or e-mail: jwetzel@pobox.upenn.edu.

SWE-Philadelphia provides a Special Award for the competition and we have been active in providing other support such as serving on the steering committee and as judges. Historically, winners of the Philadelphia Region Competition have done well when they advanced to the national level. We look forward to more excellent projects this year. It is exciting and interesting to see the ideas that the students try to implement.

The **SWE MISSION** is to:

- stimulate women to achieve full potential in careers as engineers and leaders;
- expand the image of the engineering profession as a positive force in improving the quality of life; and
- demonstrate the value of diversity

Professional Development News

Professional Development Resource

SWE's Section Vitality Task Force, which provides proactive leadership coaching for sections, has developed some training modules that also may be used to enhance professional skills. These modules include:

- Conflict Resolution
- How to Manage Effective Meetings
- Leadership
- Tactical Planning
- Team Building

Most of the modules consist of a Power Point presentation file and facilitator instructions in a separate Word file. These modules are available on-line at www.swe.org/SWE/ProgDev/Projects/Public_vitality.html.

How to Manage Effective Meetings

(Module summary as presented in the MAL Newsletter)

The two secrets to effective meetings are preparation and targeting the right meeting type.

To prepare for your meeting, have a clear purpose that can be written down. From this purpose, determine the type of meeting: Communication, Problem-Solving, Crisis Management, or Status Reinforcement. Then, decide the location, the participants, and the agenda.

If a Communication Meeting is just to give data, consider another method. To gather information, encourage discussion and ask open-ended questions. For a Problem-Solving Meeting, send background information in advance to participants.

To manage an effective meeting:

- Start fast
- Stay on track
- Get participation
- Close decisively
- Follow-up appropriately

Leading a meeting requires you to unite the participants, focus the group, and listen actively. To encourage creativity in your meetings, write down all ideas, encourage diversity, and build alternatives before choosing. If appropriate, send out minutes detailing decisions and action items.

Job Bank

For information on the following positions, please contact Tony Roig, SPHR Senior Recruiter for Personnel Services Inc. (PSI), A *Certified Women-Owned Business*, 350 S. Main St., Suite 103, Doylestown, PA 18901, Phone: 215345-6778, ext 222; Fax: 215-345-9191; E-mail troig@psipersonnel.com; or visit www.psipersonnel.com.

- **Manufacturing Engineer** - for medical device manufacturer in its West Chester, PA facility. Duties include process development, CNC programming, tool design, metal cutting machine layout and acquisition, and other manufacturing operations. Company offers state-of-the-art technology, supportive work environment, career advancement and attractive compensation & benefits. BS degree & 3 years related experience required.
- **Sr Civil Engineers** - Attractive project manager openings at established and growing engineering firms in eastern PA (Doylestown & Stroudsburg). Five plus years transportation engineering or civil/site development exp. required. Extensive projects, excellent work environment and attractive compensation/benefits.
- **Quality Engineer** - Leading medical device manufacturer seeks Supplier Quality Engineer for its West Chester, PA facility. Duties include management & coordination of

inspections, capability analysis and compliant processing and other supplier activities. Company offers state-of-the-art technology, supportive work environment, career advancement and attractive compensation & benefits. Requires BS degree & 2 years related experience plus FDA & GMP experience.

Producer of precision-made, custom-molded plastic components, containers, and closures is seeking a **project manager** responsible for overall project engineering and facilitation for new products and improvements to existing products. Act as team leader in providing directions to all interactive groups within the product development cycle. Excellent organizational and communication skills a must. Must have some understanding of plastic processing equipment and plastic materials including injection molding and blow molding. BS in engineering or plastic technology preferred. For more information, please contact Marshall J. Danien, President, FPC of Wayne, PA, phone: 610.989.9820; fax: 610.989.8505; email: marshall@fpcwaynepa.com. FPC of Wayne, PA is an executive search firm specializing in the placement of engineers in manufacturing.



SWE Philadelphia Section
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

**SWE Philadelphia Section Newsletter
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**November Meeting
Nutritional Eating for the Holidays**

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Newsletter copying and distribution is underwritten by a grant from
Lockheed Martin Management and Data Systems.

Thank you!