

REGION GEE— WHAT DO WE CALL IT??

(SEND SUGGESTIONS TO ANITA.TODD@UC.EDU)

INSIDE THIS ISSUE:

Governor's Report	1
Region G Board	2
Treasurer's Report	2
Annual Conference	3
WVU Chapter News	4
Co-op Turns 100	4
E-week	5
SWE Coaching	5
Women Faculty	6
SWE Member News	7
Volunteers	8
Development Grants	8
SWE Bluegrass	9
SWE South Ohio	9

SWE Mission

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, demonstrate the value of diversity.



Compiled by:

Anita Todd

E-mail news and articles,
comments and suggestions
to: Anita.todd@uc.edu

GOVERNOR'S REPORT

The SWE year is moving swiftly and the learning curve for Governor is steep! I attended the National Conference in Anaheim. It was great to see everyone! As governor, I attended business meetings and I am happy to report that it was not the drudgery I had expected! I learned a lot, met the other Region Governors, renewed old SWE acquaintances and made many new. For members who advanced beyond leadership at the section or region level, there are many National Committees, Task Forces, and Focused Interest Groups (FIG) that seek representation from the regions. See the article about FIGs.

South Ohio, Kentucky, and University of Pittsburgh SWE sections have all held Leadership Coaching Saturdays. (See the articles and photos.) Thanks to our SWE Leadership coaching team: Justina Mikals, Helen Patricia, and Laura Sperduto who lead the sessions. As a side note, Laura will be starting a new job in Boston at the end of February; we will greatly miss her, but do wish her all best in her new job. The Boston section will be gaining a great asset.

National Engineers' Week February 19 – 25, 2006 will be here very soon. As most of you know, SWE is the professional society host of 2006 Engineer's Week. We are partnering with Northrop Grumman, the corporate sponsor. Check the website: <http://www.eweek2006.org/> for information. While there, order the FREE *Eweek 2006* and *Introduce a Girl to Engineering* volunteer packet kits.

Check out the information on the upcoming Region G conference, March 3-5, 2006. The University of Cincinnati conference team is promising a great conference. Ronna Robertson, National SWE President will be one of the Keynote speakers.

Speaking of Ronna, I must tell you about my story with Ronna, so you all will have this background information prior to the Region G conference. It covers surprise, misunderstandings, and lack of communication. Through SWE, I have known Ronna for many years. I met her via Pittsburgh section members. Ronna graduated from Purdue University and it is traditional to hold a Purdue party for alumni and students in someone's room at the National Conference. I was invited to the party at the Milwaukee 2005 conference (yes, non-Purdue alumni are welcome) following the Awards dinner. I rarely attend a party without contributing something, so I sent a case of beer and fresh pineapple to Ronna's room for the party. In the meantime, Ronna had instructed Purdue alumni, SsuWei to purchase a long list of items for the party. When Ronna went to her room to get ready for the Awards Banquet, she saw that one case of beer and a fresh pineapple had arrived. She was upset that this was not what she had asked SsuWei to purchase and worried how she would attain all the items on the list when she, as president, had to attend the Banquet. After the awards, Ronna was relieved to learn that SsuWei had bought all the items. Now, the beer and pineapple were a mystery. The minute I arrived at the party, I was quizzed if I knew anything about beer and pineapple. I replied yes, because it was I who had sent them and I had also brought my penknife to cut the pineapple. Well, cut and eat it we did, except for the top, which Ronna held on top of her head for photos of the "SWE pineapple queen." I had intended to surprise them with my contributions to the party and surprise everyone I did, especially Ronna. It is a very funny memory!

I hope to see you all at the Region G conference so that we can continue to add to our memories! ...and remember to ask Ronna if she enjoys pineapple surprise?!

Mary Ann

REGION G BOARD

WEBSITE: WWW.SWE.ORG/REGIONG

Governor	G004 - Pittsburgh	WALSH, MARY ANN T.	Professional	governor-g@swe.org
Treasurer	G005 - South Ohio	SIMMONS, JUDITH A.	Professional	pesimm00@att.net
Region Newsletter Editor	G005 - South Ohio	TODD, ANITA	Professional	anita.todd@uc.edu
Region Collegiate Newsletter Editor		CROUSE, ABBEY	Student	Crouse.34@osu.edu
Leadership Coach	H008 - Central IN	MIKALS, JUSTINA	Professional	mikalsjh@hotmail.com
Alternate Leadership Coach	G004 - Pittsburgh	PATRICIA, HELEN O.	Professional	helen.patricia@kennametal.com
Collegiate Leadership Coach	G004 - Pittsburgh	SPERDUTO, LAURA	Professional	laura.sperduto@gmail.com
Information Officer	G001 - Central OH	LEWIS, RACHEL L.	Professional	rlewis2005@insight.rr.com ; Rachel.Lewis@dot.state.oh.us
Region Student Representative (RSR)	G059 - Ohio State U	YANO, AMANDA	Student	yano.509@osu.edu
Collegiate Interest Representative (CIR)	G005 - South Ohio	SNYDER, PAMELA	Professional	pamsnyder@gmail.com
Region Membership Coordinator (RMC)	G004 - Pittsburgh	GRAF, STACEY	Professional	sgrafsgraf@gatewayengineers.com
Region Collegiate Membership Coordinator RCMC	G001 - Central OH	DREES, SARAH A	Professional	drees_4@yahoo.com
Conference Co Chair	G053 - U. Cincinnati	MARKER, RACHEL	Student	regiong.conference.2006@gmail.com
Conference Co Chair	G053 - U. Cincinnati	WIEHE, SHANNON	Student	regiong.conference.2006@gmail.com
Nominating Committee Rep, Region G MAL COR	G049 - MAL	POSEY-LEONHARD, BETH	Professional	beth.poseyleonhard@owenscorning.com
COR	G001 - Central Ohio	SCHWOPE, LEE ANN	Professional	lschwope@exceramaterials.com
COR	G002 - Kentuckiana	NOWLIN, CAROLYN B.	Professional	Caro0168@cs.com
COR	G003 - Northeastern Ohio	DESMONE, CAROLINA	Professional	carolina.desmone@ge.com
COR	G004 - Pittsburgh	COCHRANE, JACKIE	Professional	jacejc@pghmail.com
COR	G004 - Pittsburgh	PATRICIA, HELEN O.	Professional	helen.patricia@kennametal.com
COR	G005 - South Ohio	MCCARTT, BIANCA	Professional	bianca.mccartt@ae.ge.com
COR	G006 - Bluegrass	LEVERIDGE, DIANNE L.	Professional	loggins@lexmark.com

REGION G TREASURER'S REPORT

- Region G received our Corporate Council Rebate check for \$1,000.00.
- We also received \$50.00 prize money for the Best Region website award.

The small bank where kept our accounts was bought by National City Bank, so all our accounts have been changed to National City. This is better for the Region since National City has offices throughout our Ohio Valley Region.

Region G Treasurer: Judy Simmons, G005 South Ohio, pesimm00@att.net

CELEBRATING 100 YEARS OF SUCCESSFUL COOPERATION

On the occasion of the centennial celebration of cooperative education,
the University of Cincinnati Chapter of the Society of Women Engineers invites you to join us at

Region G Annual Conference
University of Cincinnati Campus and Kingsgate Marriott
Cincinnati, OH
March 3-5, 2006
www.swe.uc.edu/regionGConference/main.php

Keynote Speakers:

**Brian Rowe, CEO Emeritus, General Electric and
sponsor of the UC Rowe Center for Women**



**Ronna Robertson, SWE President, Engineering Manager,
Rotating Machinery Group, DuPont Corporation**

**All information, conference agenda and programming, and
registration are available on-line. Early Bird Registration ends Feb. 18!**

www.swe.uc.edu/regionGConference/main.php

**Join us for professional development, networking, and fun
in the beautiful queen city, Cincinnati.**

Questions: regiong.conference.2006@gmail.com

WVU CHAPTER RECEIVES \$1.6M NSF GRANT

The SWE section at West Virginia University (WVU) has been awarded a \$1.6 million grant through the National Science Foundation (NSF) to support the Engineers of Tomorrow program. WVU was one of only 10 institutions across the country to receive this award. This program will reach into the high school math curriculum, applying engineering techniques to class problems.

In addition, Engineers of Tomorrow will feature a Summer Experience Program that will enable approximately 80 female and minority students from around the state to visit WVU for a week and learn about science, technology, engineering, and mathematics (STEM) disciplines. During their stay in the summer, high school students will be paired with college mentors. The WVU section will be one of the primary sources of mentors for this program.

CONGRATULATIONS!

COOPERATIVE EDUCATION TURNS 100!



Herman Schneider

Cooperative Education, the educational program in which students alternate semesters or quarters of classroom study with semesters or quarters of experience in business, industry, government, or academia turns 100 this year!

Did you know that cooperative education was founded in 1906 in the College of Engineering at the University of Cincinnati by Herman Schneider, Dean of the UC College of Engineering?

The University of Cincinnati is celebrating all year with events for students, employers and practitioner's in the field of experiential education. Visit www.uc.edu/propractice/centennial for co-op history and a list of events in which you can participate.



Region G institutions have some of the longest standing and strongest co-op programs in the United States. Universities such as UC, Pitt, Toledo, Akron, Case Western, Penn State, and UK to name but a few, and employers such as GE, Cinergy, Westinghouse, Honda, Toyota, and Goodyear encompass some of the largest and most recognized programs in the nation.

The '20s that roared: The women come marching in



From left in back are Ruby Schoen, Charlotte Atherton, Ruth McFarlan and Margaret Maynard. Seated in front, from left, Kathryn Gillis, Helen Norris and Myrtle Hay.

In 1920, no school in the United States yet admitted women into preparatory programs for engineering. Herman Schneider and UC changed all that thanks to a young Cincinnati named Ruth McFarlan and her aunt, Anna McFarlan.

You see, the aunt was acquainted with Schneider's secretary and asked the secretary, Anna Teasdale, to approach Dean Herman Schneider on behalf of young Ruth who wanted to study engineering. The upshot: Come fall 1920, seven young women – with shoulders broad enough to bear the sobriquet of “co-eps” and even “co-epettes” as they were called – entered the UC co-op course as either chemical engineering or commercial engineering (business) students, the only two programs pried open for them in the College of Engineering.

These women – and those who followed after them – couldn't skirt the challenges they faced in braving the stronghold of gears, grease, and manhood. Of these seven original girl “gearheads,” four stayed the course.

M.B. Reilly, UC University Relations, contributed to this article.

SWE REGIONAL TRAINING THANK YOU JUSTINA, HELEN, AND LAURA

The newly formed and revitalized collegiate leadership team for Region G has been very active in 2006! A presentation was held on January 14th in Lexington, Kentucky at Lexmark International.

Laura Sperduto and professional leadership coach Justina Mikals trained a group of approximately twelve professionals and three students from the Bluegrass and Kentuckiana sections on the Knowledge and Benefits of SWE along with how to plan both strategically and tactically.



On January 21st, Laura Sperduto also held training for the executive board of the University of Pittsburgh SWE section. Modules presented to aid their future planning for the Region G conference in 2007 included Effective Personal Communication, Strategic and Tactical Planning, and Event Planning and Advertising.

On January 7, Helen Patricia and Justina Mikals provided leadership coaching to the newly revitalized South Ohio SWE chapter. About seven women participated and the lively discussion was very helpful.

Laura Sperduto, the current Collegiate Leadership Coach for Region will be relocating to Boston at the end of February. Tamara Franklin will be taking her place as the Region G team leader for the Collegiate Leadership Coaching Committee. If your section is interested in having leadership coaching offered to its members, please contact Tamara at twankeetwankee@yahoo.com.



The modules that can be offered are as follows:

- Building Teams: Here Today!
- Building Membership
- Learning Leadership Styles
- Effective Personal Communication
- Creator Conflict Resolution
- Strategic & Tactical Planning
- Managing Effective Meetings
- Nuts and Bolts of SWE
- Women in Engineering (From Campus to Career)
- Programming (Event Planning and Advertising)
- Benefits and Knowledge of SWE Leadership (Finding your Inner Leader)
- Value of Diversity Fund Development



If you have any additional questions, please feel free to contact Laura at laura.sperduto@gmail.com.

TOP ENGINEERING COLLEGES AND UNIVERSITIES BY PERCENTAGE/NUMBER OF WOMEN FACULTY MEMBERS

Between 2001 and 2004, women have increased from 8.9 percent to 10.4 percent of total tenured and tenure-track faculty in engineering. At 18 percent, the largest portion is at the assistant professor level. Full time professors account for slightly less than 6 percent.

	% Women Faculty	2004 Engineering Enrollment	
		Undergrad (FT)	Graduate (FT+PT)
1. California State Polytech. Univ., Pomona	30.0%	3,948	N/A
2. Seattle University	28.0%	322	N/A
3. University of Nevada, Reno	27.1%	1,315	250
4. Santa Clara University	26.5%	470	739
5. OGI School of Science & Eng., OHSU	24.1%	N/A	269
6. Tufts University	21.7%	684	503
7. George Washington University	21.6%	428	1,412
8. Mercer University	20.0%	468	102
8. Rowan University	20.0%	485	41
10. California State Univ., Sacramento	19.7%	2,062	610
11. University of Alabama, Huntsville	18.9%	984	574
12. Miami University	18.4%	753	27
13. Univ. of Maryland, Baltimore County	18.2%	1,466	328
14. Polytechnic Univ. of Puerto Rico	18.1%	2,493	313
15. Tennessee State University	17.9%	600	85
15. U.S. Naval Academy	17.9%	927	N/A
17. Bucknell University	17.8%	603	24
18. California State Univ., Northridge	17.2%	1,650	408
19. Oakland University	17.0%	909	504
20. Rose-Hulman Inst. of Technology	15.6%	1,630	138
21. University of New Hampshire	15.5%	862	174
22. Duke University	15.4%	992	401
22. Virginia Commonwealth University	15.4%	908	197
24. University of Washington	15.3%	1,496	1,387
25. San Jose State University	14.8%	2,133	1,873

*Minimum 25 faculty members. 307 Total schools reported faculty data. 334 schools reported undergraduate engineering data. 245 schools reported graduate engineering data.

WOMEN TENURED/TENURE-TRACK TEACHING FACULTY MEMBERS BY COLLEGE/UNIVERSITY

1. Massachusetts Inst. of Technology	51	14. University of California, Berkeley	26
2. Pennsylvania State University	44	14. University of Texas, Austin	26
3. Georgia Institute of Technology	41	16. North Carolina State University	25
4. Virginia Tech	38	17. Arizona State University	24
5. Purdue University	36	17. George Washington University	24
6. University of Michigan	34	17. Northwestern University	24
7. Ohio State University	32	17. Stanford University	24
8. Univ. of Illinois, Urbana-Champaign	31	21. University of Colorado at Boulder	22
9. Cornell University	29	21. University of Minnesota -Twin Cities	22
9. University of Washington	29	23. California State Polytechnic University, Pomona	21
11. University of California, Davis	27	23. University of Florida	21
11. Texas A&M University	27	23. University of Maryland, College Park	21
11. University of Wisconsin, Madison	27		

*Data source: American Society for Engineering Education
Compiled by Michael Gibbons*

Learn more at: www.asee.org/colleges

SWE MEMBER NEWS

Jayne Brittingham (Penn State IE 2004) has been transferred from Night Shift Distribution Supervisor at Estee Lauder's Northtec Distribution Center to Day Shift Inventory Control Supervisor. While this is not a big job change since it is at the same company in the same building, but she is very happy to have moved on to day shift hours. Jayne hopes to keep in better contact with people since she's not on opposite sleep schedules.

Lisa Rimpf graduated from The University of Toledo in December 2005 with my Master of Science in Chemical Engineering and has accepted a position with The Babcock & Wilcox Company in Alliance, Ohio as a Research Engineer. She is Vice President of the Northeast Ohio Professional Section G003.

Anita Todd (PSU ME '89) received her Master in Education from the University of Cincinnati in June 2005 and accepted a tenure track position as an Assistant Professor of Professional Practice, University of Cincinnati in Sept. 2005.

Barbara Bogue, Associate Professor of Engineering Science and Mechanics, Penn State, and former Director of the Penn State Women in Engineering Program, received the WEPAN (Women in Engineering Program Advocates Network) Founder's Award at the 2005 WEPAN/NAMEPA Joint Conference. The Penn State Women in Engineering Program had been previously recognized with the 2003 Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring.

REGION G AWARDS AT SWE NATIONAL

Region G received two awards at the National Conference, Celebrate SWE event:

Best Membership Retention and Best Website!

Congratulations to:

- Rachel Lewis, G01 Central OH, rlewis2005@insight.rr.com ,Region G Information Officer and Webmaster
- Stacey Graff, G04 Pittsburgh, sgraf@gatewayengineers.com, Region G membership coordinator (RMC)
- Sarah Drees, G01 Central OH, drees_4@yahoo.com, collegiate membership coordinator
- Carolina Desmone, G03 Northeast OH, carolina.desmone@ge.com , National Membership committee Chair

Several sections within our Region also received awards at the event. All our schedules are very busy, **please thank these folks for the time they devote to SWE and give kudos for the outstanding job that they are doing in Region G.**



2005 BEST COMMITTEE - REGION OR MEMBER AT LARGE

WEB SITE AWARD

PRESENTED TO:

Region G

NOVEMBER 2005

Betty Shavelan
Executive Director

Rona Robertson
President



2005 REGION WITH BEST RETENTION IN MEMBERSHIP AWARD

PRESENTED TO:

Region G

(146.5% in Retention)

NOVEMBER 2005

Betty Shavelan
Executive Director

Rona Robertson
President

Get Involved in SWE !

Focused Interest Group Needs Your Participation. The Environmental Scanning (ES) Focused Interest Group (FIG) and the Big Hairy Audacious Goal (BHAG) committee are looking for volunteers to participate in creating our SWE BHAG! The commitment will be rewarding as you explore new possibilities for the BHAG and communicate with your fellow SWE members for insight and feedback. **If interested please contact Lee Ann Schwope**, lschwope@exceramaterials.com, the ES FIG leader. Thanks in advance for your participation!

Volunteers Needed for the Student Upgrade Committee. The region feels that the collegiate members are the future of SWE and realizes how important it is to keep them active in the organization as professionals. This committee will have two objectives for our region: 1) increase student upgrades by providing necessary information to the graduating engineers in our region, and 2) create an opportunity for students to get involved at the region level on region activities.

The Student Upgrade Committee would be in charge of putting together a brochure highlighting the opportunities and achievements of Region G and SWE. The brochure would highlight the different sections within the region, show the benefits of becoming a professional member, give contact information for all regions/sections on a national level and focus on aspiring women to continue achieving their goals. The brochure would be distributed to all women engineers graduating from colleges within the region and be available to new professional members coming into our region.

Volunteers are needed to join the Student Upgrade Committee. The group will consist of six (6) students: 2 seniors, 1 junior, 2 sophomores and 1 freshman. The committee's objectives will be revised from year to year; however the goals will always stay the same.

Contact: Stacey L. Graf, E.I.T. Region G Membership Coordinator (RMC) sgraf@gatewayengineers.com
412-921-4030 x 167

SWE Program Development Grants - Due Feb 1st!

The Program Development Grants Committee Is Pleased To Announce That Monetary Grants Are Available From The Society Of Women Engineers For Your Original, Innovative, SWE Projects!

If you have ideas and energy, money no longer has to be an obstacle to the implementation of new professional development, career guidance, diversity and community awareness programs.

Programs should be oriented towards women or girls and:

1. Encourage the pursuit of engineering and computer science studies.
2. Encourage success, promotion, and technical achievement in the engineering workplace.
3. Provide a positive forum for diversity issues and training.
4. Improve SWE's ability to achieve its mission.

Program development grants are funded by donations from the ExxonMobil Education Foundation, Ford Motor Company Foundation, and Microsoft Corporation's Equal Access Grant.

- Microsoft Corporation Equal Access Grants must be matched locally with new money or in kind services, and be for K-12 computer science programs or information technology projects that include girls from underrepresented racial/ethnic populations.
- At least 50% of the ExxonMobil funding must be for K-12 programs involving a teacher.

Money can be granted to a SWE Professional Section, SWE Student Section, SWE National Committee, or SWE Member At Large. SWE Sections must provide a copy of their Financial Report as submitted to SWE HQ for the prior fiscal year. SWE National Committees must have approval from SWE's Board of Directors. Sections are encouraged to contact their Region Governor for advice and input. Most non-salary, non-capital expenses can be covered. All projects must be completed within 12 months. Quarterly and final reports are required. 90% of the amount granted is released upon approval of the grant; the remaining 10% of the money is released upon receipt of the final report and deliverables. Unused money is to be returned to the Program Development Grant Fund.

Proposals are due at 5pm PST on the days mentioned. The proposal format is simple and can usually be completed in two or three pages.

More info: Login into the SWE member resources and select "Program Development Grants"

SWE Bluegrass Shares Some Events

Science in Action – in Action Again! by Miranda Oaks

In the fall of 2004, Bluegrass SWE traveled to Ashland, Kentucky and hosted a Science in Action Badge Workshop for nearly 90 Girl Scouts. Due to the tremendous success of the event, Bluegrass travel to eastern Kentucky again this year. On Saturday, October 22, seven members of Bluegrass SWE and one member of the University of Kentucky SWE chapter traveled to Painsville, Kentucky to host a Science in Action Badge Workshop. Approximately 30 girls attended sessions on engineering 101, communication devices, power plants, technology for disabilities, bridge building, and an incredible slurping plant. Thanks to all those who helped with this event (Kristi Graham, Joy Johnson, Pam Orlando, Deb MacKay, Serena Oaks, Kat Menk, Miranda Oaks, and Allison Zeillmann)!

Circle of Love by Andrea Payne

Circle of Love is an annual event sponsored by the University of Kentucky. Families from Fayette, Bourbon, Scott, Woodford, Madison, Jessamine, Nicholas, and Clark counties participate. The Circle of Love provides presents such as clothing, toys and bicycles to kids nominated by teachers and counselors from Central Kentucky schools. This year Bluegrass SWE again partnered with the UK SWE chapter to sponsor 2 families. Enough cannot be said on how generous our ladies are! We were able to fulfill each child's 1st, 2nd & 3rd wish and much more. It isn't too hard to imagine the surprise on these kids faces Christmas morning. About 8 members of BG SWE got together to wrap all the gifts & enjoy some cider & hot chocolate before dropping the loot off at UK. It was a great way to kick off the holiday season. Thanks to everyone who participated in this wonderful event!

SOUTH OHIO CHAPTER— SWE SPEAKER SERIES

Carolina Desmone kicked-off the first in a series of speakers at the first general meeting of the SWE South Ohio chapter on November 15th. As the National Membership Committee Chair and the past recipient of the 2004 SWE Distinguished New Engineer Award, Desmone has years of experience in leveraging SWE for success. Speaking frankly as a woman and a soon-to-be mother, she shared her personal experiences of how SWE has helped her in both work and life.

Desmone addressed 25 attendees ranging from college students to long time engineers. For the engineers just starting out, she advised gaining leadership skills now. In her case, SWE allowed her to develop these skills externally and then apply it to her work. As she progressed further in her career as an engineer, Desmone turned to SWE to build her network, both for friends and her career. Her focus became using her strengths internally at her corporation. Now, she finds herself capable of managing and coaching others. She attributes her success to SWE for providing her with opportunities to lead people, work with others, and foster friendships.

Kathryn Yu, South Ohio Program Planning

SWE - NATIONAL SPONSOR E-WEEK 2006 CONNECTING EDUCATORS TO ENGINEERING

February 19-25, 2006

<http://www.eweek.org/>

Visit

<https://shop.eweek.org/eweek/product.asp?dept%5Fid=1&pf%5Fid=001>
(E-week > Product Catalog> Promotional Materials> E-week Volunteer Kits)

To order a free E-week kit to use in promoting SWE and our week!

ORDER ASAP to have in time for E-week!!!

Many event ideas, information, and materials available online!

Celebrate our profession!

