

SWE-December 2003

Society of Women Engineers - Eastern Washington Section
P.O. Box 364 Richland, WA 99352 www.swe.org Region J001

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Upcoming Events

December 7, 2003	Region J conference meeting
December 13, 2003	Annual SWE Christmas Party
January 10, 2004	Breakfast Meeting at Hayden's
February 7, 2004	Breakfast Meeting at Hayden's
March 13, 2004	Breakfast Meeting at Hayden's
April 10, 2004	Breakfast Meeting at Hayden's
April 23-24, 2004	Region J Conference, in Tri-Cities
May 8, 2004	Breakfast Meeting at Hayden's
May 2004	Elect next Officers
June 2004	Annual Summer Picnic

Letter to SWE Members

Dear Members,

As some of may know, Jocelyne Gray accepted an engineering position with a firm in Tumwater Washington.

As a result, the section chair position was available. During a the business meeting held November 9th, the section officers voted to replace Jocelyne and have me serve as section chair for the remainder of the term.

Speaking for myself, Jocelyne's enthusiasm and desire to serve our group will be missed. I am pleased to accept this position and I hope to meet the member's expectations and provide the service that our previous section chairs have given to our chapter.

I joined SWE in 1993 while pursuing my bachelor's degree at Gonzaga University. I accepted a position with a local subcontractor in Richland in 1994. Both my son, who was 13 years old at the time, and myself made this area our home. I currently work as a project engineer for Duratek Technical Services in Richland. My son, who resides in Seattle, is married and I have two grandchildren, Hope (6-years) and Lily Anna (6-months). I am a grandma! This part of my life is awesome!

I have continued my SWE membership and served as the chapter's secretary and newsletter editor in 2001-2002.

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while pursuing my engineering career, the SWE friendships I have made both personally and professionally have been very rewarding. Thus, serving our group gives me the opportunity to give back the support that I have received. My goal for the remainder of this year is to plan and participate in this year's Regional J conference that our section is hosting. We have had several business meetings, November 9th and 16th, to discuss the conference agenda, hotel locations, and other events to ensure a successful conference. Some of the fun events are a Friday evening tour and celebration (April 23rd) at the Columbia River Exhibition of History, Science, and Technology (CRESHT) commemorating the Lewis & Clark expedition anniversary, Energy Northwest facility tour, and Sunday morning boat tour of the Hanford Reach. The conference agenda is in a preliminary phase, so, I encourage everyone interested to come to the next business meeting and give input about events and topics. We have plenty of volunteer opportunities and most of the volunteer tasks are simple and have very short commitments times. The next business meeting is on December 7 at the Richland library from 1:00 - 2:30PM.

The SWE Halloween party was really fun. Both members and children dressed in costumes, and enjoyed candy, good food and great entertainment with a costume contest and watching college football on the Ankrum's huge screen TV, which was most captivating. The SWE group had the opportunity to express to Jocelyne our appreciation and gratitude. She has agreed to serve as the web master to update our web page, a needed position.

I hope to see many of our members, friends and family at the annual Christmas Party. For those of you that cannot join us, please have a safe and wonder holiday.

Julie Dewberry
Section President

Region J Conference
Business Meeting
December 7, 2003
1 to 2:30
Richland Library

We are hosting the Region J Conference April 23-24, 2004. This is a large event; indicated below are areas where we need volunteers with the contact names listed or you can contact Julie at 376-2522 or jadewberry@duratekinc.com. We need volunteers to help organize this event, including chairs of the committees:

- * Pre-Registration and Registration Packets
- * Getting Speakers (Joan Young - Joan.Young@pn1.gov)
- * Sandy Brower's 50th SWE Membership Reception (Julie Dewberry)
- * Hotel Reservations for Conference and Attendees
- * Sponsors (Tamara Franklin - franklin.86@osu.edu)
- * Tours (Pam Ankrum - ankrum@charter.net)
- * Meals
- * Volunteers at the Conference (Julie Dewberry)

The highlight of this conference is celebrating Elayne "Sandy" Brower's 50 years as an active SWE member.

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SWE Annual Christmas Party
December 13, 2003
5 to 9:30 pm
Washington Square I Apartment
2455 George Washington Way, Richland
Potluck & Gift Exchange

Our Vice President, Tamara Franklin, has organized the Christmas Party to be held in the community club room at her apartment complex. Please plan to bring your favorite holiday dish and soft drink. Plates, napkins, etc will be provided. There will be a gift exchange, SWE style, where everyone who wants to participate will bring a gift \$8 to \$10 in value and then around the room we go as people open them one at a time.

Monthly Breakfast
January 10, 2003 at 8 am
Hayden's Place, across Burden Blvd from TRAC
Please come for a social breakfast to discuss work, kids or life in general. The December's breakfast is cancelled since it would be the same day as the Christmas Party. The next Breakfast meeting will be January 10 at Hayden's Restaurant, Burden Blvd., Pasco at 8:00 am. Please RSVP to Julie by Jan. 9, 376-2522 or jadewberry@duratekinc.com

Newsletter Award
EWS was awarded 3rd place in the Newsletter Competition Award (Small Section)! This Award included a \$50 Check for our section. Congratulations and Thank you to newsletter editor Teresa Torres and last years officer board for putting out an award- winning newsletter. The following letter was received from national:

Congratulations!
On behalf of the SWE leadership, I am delighted to acknowledge your 2003 Newsletter Award. The commitment of our SWE volunteers at the section and region levels is at the heart of SWE's success. Our awards program is just one small way we can acknowledge that dedication.

Enclosed are your award check and certificate.

Congratulations on a job well done.

Sincerely,
Betty Shanahan
Executive Director

National Conference
Aspire...

...Advance...

...Achieve

That's the new SWE tagline introduced at our National Convention held October 9-11 in Birmingham, Alabama. These are the words that encompass the mission and spirit of SWE and will be used in all outbound

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marketing materials such as brochures, membership kits, stationery, press materials etc. moving forward. We hope to broadly communicate our mission and build awareness of SWE through this consistent messaging and use of the logo and tagline together.

In other big news coming out of Convention, the Society is now operating under new bylaws. The structure of the Board of Directors (BOD) has changed, as well as the duties and workings of the Council of Representatives (COR). For the remainder of FY04 and for FY05, the BOD will transition from having 10 Regional Directors (FY04), to five Directors at Large (FY05) and a Director of Regions (FY05 and on). There are title changes such as Vice President to Director - which has more to do with corporate rules and regulations than with changes to SWE. Region Directors will no longer have the dual responsibility of "head of Region" and serving on the Board. Now called Region Governors, they will concentrate on region activities and sharing ideas between regions. With less institutional geographic diversity on the Board, the COR becomes more important as the place to bring together the voices and ideas from all corners. With the passage of these Bylaws, the COR has been "given a promotion" to management and will concentrate on the direction of the society and mega-issues.

There is still plenty of work updating standard Section and Region Bylaws and procedures. This work is being done by dedicated committees...would you like to help? Contact one of your CoR Reps: Kim Keller or Margaret Lyons.

Halloween Party

Pam Ankrum hosted this year's Halloween Party last month. There were about 25 friends and family for games, good food, and fun. As you can see, there were witches, monsters and many other characters who showed up for the festivities. Prizes were awarded for best costumes for adults and children. Fun was had by all.

Fund Raising

The Eastern Washington Section is raising funds to help cover costs of hosting the Region J Conference April 2004. We want to sell SWE cookbooks. Please send your recipes to Tamara Franklin at franklin.86@osu.edu or mail to 3703 W. Kennewick Ave., Kennewick, WA 99336. Please indicate the type of recipe (main dish, dessert, appetizer, etc.) so they can be properly categorized. They will be published early 2004. If you would like to help with this, contact Tamara at 614/657-4952 (cell).

Employment Opportunity

DOWL Engineers is a civil engineering company (civil design, environmental, geotechnical, survey, planning, landscape architecture, transportation, airport master planning) with their headquarters in Anchorage, Alaska. At this time, two key positions are open.

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DOWL Engineers is accepting applications for the position of mid-level Geotechnical Engineer. This is a great opportunity to join a dynamic project team to provide foundation analysis and design for local, state, and federal projects. Site stability under seismic conditions, pile foundations, and pavement design experience preferred. Geotechnical investigations are conducted across the state. Travel and work in remote areas will be necessary. The successful candidate must have a minimum of a B.S. from an accredited engineering program, a minimum of five years of experience, be registered as a P.E. (or able to obtain their license), and have excellent writing and verbal skills.

DOWL Engineers is accepting applications for the position of Environmental Analyst. This is a great opportunity to join a dynamic project team to provide environmental planning and documentation services for local, state, and federal projects. The successful candidate must have a minimum of a B.S. from an accredited environmental, engineering or related science program, 3 years of NEPA and/or environmental compliance project experience, and excellent writing and verbal skills.

For more information about the position email careers@dowl.com <<mailto:careers@dowl.com>> or call Maija Rhode at 907-562-2000. Submit your resume to DOWL Engineers ATTN: 2003-05 to careers@dowl.com, fax to 1-877-370-0966.

Teach a Mechanical PE Refresher Course
A TCTC Member Service Announcement:

Request for Instructors to Help Teach a Mechanical PE Refresher Course Through
WSU/Tri-Cities:

Due to a strong interest from the Mechanical Engineering Community, Washington State University Tri-Cities is sponsoring a 12-session Mechanical Professional Engineering Refresher Course starting January 12th, to help students prepare for the Washington State April 16th Professional Engineering Mechanical Examination. It is anticipated that there will be about 12-students in this refresher course.

The lectures have been scheduled for Monday evenings from 6 to 9:00 pm at the North Richland Campus. These lectures consist of a quick overview of the chapter(s) in the reference manual and then the remaining of the time spent showing the students how to go about working problems from the practice problem manual using either a overhead projector or a white board.

Below is the course syllabus. A professional engineering license is not required. Instructors have the option of being paid \$150 dollars per lecture or letting the university keep it as a donation. Each instructor will be given a set of the course text books to prepare for their lectures and to keep.

Individuals who feel component in teaching one or two of these lectures, can contact Paul Jackson, P.E. at WP: 377-8527 or send an e-mail to him at pmjackson@energy-northwest.com

Course Text Books:

Mechanical Engineering Reference Manual for the PE Exam, 11th Edition, Michael R. Lindeburg, PE. 2001, 1396 pages, Professional Publications, Inc.

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Practice Problems for the Mechanical Engineering PE Exam: A Companion to the Mechanical Engineering Reference Manual, 11th Edition, Michael R. Lindeburg, PE. 2001, 592 pages, Professional Publications, Inc.

Syllabus for Mechanical PE Refresher Course

Date	Topics Covered
January 12	Thermodynamics, chapters 23-25
January 26	Power and Refrigeration Cycles, chapters 27-33
February 2	Compressible Fluid Flow, chapter 26
February 9	Heat Transfer, chapters 34-37
February 16	Fluids and Hydraulic Machines, chapters 14-19
February 23	Fans and Ductwork, chapter 20
March 1	HVAC, Chapters 38-42
March 8	Combustion, chapter 22
March 15	Engineering Materials and Statics, chapters 43-47
March 22	Mechanics of Materials, chapters 48-50
March 29	Machine Design, chapters 51-54
April 5	Kinematics of Machinery, chapters 55-59

Contact Information

The officers would love to hear from you. Please feel free to contact any of the officers to answer your question.

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About SWE

The Society of Women Engineers (SWE), founded in 1950, is a non-profit educational and service organization.

SWE is the driving force that establishes engineering as a highly desirable career aspiration for women.

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SWE empowers women to succeed and advance in those aspirations and receive the recognition and credit for their life-changing contributions and achievements as engineers and leaders. For more information about the Society please visit www.swe.org or call (312) 596-5223.

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