

SWE-February 2004

Upcoming Events

February 7, 2004 Breakfast Meeting at Hayden's
February 8, 2004 Region J planning at Espresso world, Richland
February 22 to 28, 2004 National Engineer's week
February 29, 2004 Region J planning at Richland Library
March 7, 2004 Region J planning at Richland Library
March 13, 2004 Breakfast Meeting at Hayden's
March 14, 2004 Region J planning at Richland Library
March 21, 2004 Region J planning at Richland Library
March 28, 2004 Region J planning at Richland Library
April 4, 2004 Region J planning at Richland Library
April 10, 2004 Breakfast Meeting at Hayden's
April 11, 2004 Region J planning at Richland Library
April 18, 2004 Region J planning at Richland Library
April 23-25, 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

etter to SWE Members

Dear Members,

Hello Everyone! I hope all of you had a wonderful holiday season and survived the winter freeze and snow storms. As an update, our annual Christmas Party was lovely. We had really good food, great company and the community clubhouse was more than accommodating (pool tables, fire place, etc.). As always, the Chinese gift exchange generated a lot of laughs and good cheer. Since then, our local members have been busy planning the Regional J Conference. We have made great progress!

I wish to thank all of the committee members for their hard work and dedication.

The conference's theme this year is

"Women In Engineering: Pioneering the Trail of Success". The conference will be held April 23 - 25 at the Royal Hotel and Conference Center in Richland, Washington. Also, we now have a web site that is up and running where conference information can be accessed at: "<http://www.eastwashingtonswe.org/regconf04.htm>", and registration information can be accessed at: "<http://www.eastwashingtonswe.org/confregform.htm>". So far, the conference's agenda shows some very exciting events such as technical tours (Columbia Generating Station and Nine Mile Canyon Wind Farms), professional and career workshops also including the annual regional business meetings. Our special events are Friday evening at the CREHST museum, lunch with keynote speaker, Cathy Nelson, PE, Technical Services Manager/Chief Engineer with Oregon Department of Transportation and a 50-year member celebration, ending the conference with the Hanford Reach Boat Tour.

Our next conference business meeting is February 8th at the Espresso world located on the corner of George Washington Way and Bradley Blvd. in Richland. I encourage anyone to participate in the conference planning and come to the next meeting. A reminder note will be circulated prior to the meeting. We need more support from our local members. We have a lot to do before April. Most of the conference tasks do not require much effort and have very short duration. See you at the next conference business meeting.

Julie Dewberry
Section President

Region J Conference - "Women In Engineering: Pioneering the Trail of Success"
April 23 - 25, 2004

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Royal Hotel and Conference Center
Richland, Washington

Information:

Access the website: "<http://www.eastwashingtonswe.org/regconf04.htm>"

Registration: download the form at

"<http://www.eastwashingtonswe.org/confregform.htm>"

Location: Royal Hotel and Conference Center, 1515 George Washington Drive,
Richland, WA 99352

Program:

Professional and career workshops

Annual Regional business meetings

Schedule:

Friday

Afternoon Registration and Tours

Evening Official Opening and Reception

Saturday

Morning workshops

Keynote Luncheon

Afternoon Region J Student and Professional meetings

Evening - 50 Year Membership Celebration

Sunday

Boat Tour of Hanford Reach National Monument

Hotel: Make your own reservations directly with Royal Hotel and Conference Center, "<http://www.towerinn.net/>" or (800) 635-3980. Conference rates are \$55/day for a queen single; \$60 for a double. Rates cannot be guaranteed after April 10, 2004.

Conference Questions Contact:

Julie Dewberry (jadewberry@duratekinc.com), SWE-EWS President

Tamara Franklin (tnfrankl@bechtel.com), SWE-EWS Vice President.

Region J Conference Planning

Business Meetings at 1 to 3 pm

Richland Library

We are hosting the Region J Conference April 23-25, 2004. This is a large event and we need volunteers to help with the many activities we have planned, you can contact Julie at 376-2522 or jadewberry@duratekinc.com. Planning meetings are open to anyone who wants to help and will be held on February 8th (Espresso World, Richland), February 29th, and every Sunday during March and April 1:00 - 3:00 PM at the Richland Library.

Monthly Breakfast

February 7, 2004 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 next Breakfast meeting will be February 7 at Hayden's Restaurant, Burden Blvd., Pasco at 8:00 am. Please RSVP to Julie by Feb. 6, 376-2522 or jadewberry@duratekinc.com.

Mid-Columbia Science Fair

The Mid-Columbia Science Fair is looking for judges for this year's fair on March 11 and 12, 2004. You can find out more or volunteer by going to "www.mcsf.net".

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We will be looking for SWE-EWS judges on March 12 to choose recipients of SWE-EWS awards. Judges are also needed for various local/school science fairs. If you would like to volunteer for one of these, please contact Pam Ankrum at ankrum@charter.net or 627-1702.

Carmichael Middle School Science Fair
Carmichael Middle School has requested judges for their Science Fair Friday, February 20th from 8:00 to 12:00 pm in their main gym. Carmichael has been a regular participant in our Regional Future City competition and it would be nice if we could in turn support them. Please send Paul Jackson an e-mail (PMJACKSON@energy-northwest.com) if you are interested.

Engineer's Week Activities
February 22 to 28
Columbia Center Mall Demonstration February 28

Many activities will be occurring during National Engineer's Week and the committee chairperson, a SWE member and past SWE-EWS president, Andrea Hopkins invites you to participate in judging and working with the students for any of the following events. She can be contacted at 531-9721.

Elementary & Middle school poster contests
Discover E engineering outreach program
High School Air plane contest (design, build and model)
Future City competition

Engineer's Week Banquet
The IEEE Richland Section is assisting in organizing this years engineering awards banquet with other local technical organizations. The Engineering Awards Banquet will be held at O'Callahan's Restaurant (Shilo Inn) in the International Ballrooms I and II on Friday February 27th.

The schedule is:
5:30 No-Host Social Hour;
6:30 Dinner;
7:10 Program Introduction;
7:15 Awards and Recognitions;
7:45 Featured Speaker;
8:30 Engineer-of-the-Year Award

The dinner is like last years banquet - a buffet that has carved baron of beef, chicken dijon, baby red potatoes, salads, pasta salad, fruit trays, dinner rolls, assorted desserts, coffee and tea.

The ticket price for the dinner is \$25.00.
Please contact Rich Larson at 373-9100 or 545-9719 for reservations and/or questions. Reservations will be taken up to Tuesday, February 24th (2:00pm). Late calls will be at risk, but shall be taken until all seating is full.

The East Coast Blackout - August 2003 presented by Mr. Jeff Dagle
The largest blackout in the history of the North American electric power grid occurred on August 14, 2003. An extensive investigation into what happened (and why) began immediately, led by a joint U.S. - Canada task force with the support of the electric utility industry and several federal agencies, including the U.S. Department of Energy. Jeff Dagle of the Pacific Northwest National Laboratory led the data collection

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task for the North American Electric Reliability Council (NERC) on behalf of the task force's electricity working group. He will describe the blackout's sequence of events, root causes, and data management issues associated with supporting the blackout investigation, beginning with the immediate response in the days and weeks following the blackout through the development of the interim and final reports.

Mr. Jeff Dagle joined the Pacific Northwest National Laboratory (operated by Battelle for the U.S. Department of Energy) in 1989 with BS and MS degrees in electrical engineering from Washington State University in 1989 and 1994, respectively. Mr. Dagle currently manages the laboratory's support to the U.S. Department of Energy's Office of Electric Transmission and Distribution. In addition, he has been integrally involved in National critical infrastructure protection programs for several years focusing on the security of the Nation's grid. Mr. Dagle is a Senior Member of the Institute of Electrical and Electronics Engineers (IEEE), and is the past chairman of the Power Engineering Society in the Richland Section. Mr. Dagle is a licensed Professional Engineer in the State of Washington, and was awarded 2001 Tri-City Engineer of the Year by the Washington Society of Professional Engineers.

2003 Expanding Your Horizons (EYH)
MAY 22

Do YOU want to encourage young ladies to study math and science? If you do, I have an opportunity for you. Assist EYH.

EYH is a conference for middle school girls to attend hands-on workshop to learn about future careers IF they continue studying math and science. Many conferences need volunteers and EYH is no different. Here are some activities that SWE members can do to help:

Place an announcement poster (8 ½ x11) at work, or anywhere you think that young ladies and/or their parent(s) will see the information. Time commitment: As little as calling Cheryl to ask for posters and placing them in a location or locations.

Contact a local publication, a television station, or radio station that announces community events. Time commitment: Find the format that the company wants, write a small announcement (I can help with that) and give the write-up to the company.

Tell a middle school math or science teacher about the event. Even better, give them a teacher's packet which contains all the information they need about EYH and signing up. Time Commitment: How ever long you chat and time to give a packet to them. Call Cheryl for getting packets.

Help on conference day. We need people to register the participants, to show and help presenters to their rooms, to do hall duty, videotape or take photos of some of the presentation, and evaluate presentations. Time commitment: As may hours you want to spend at the conference. The conference is from 8 am to 2:30 pm.

Donate or find donations for our end of the day door prize give away. Door prizes range from being educational to entertaining. A few prizes for the teachers/adults are appreciated too. Time commitment: the time you need to look for an item or items.

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Ask your club, organization, or professional society to make a monetary contribution.

If your interested in volunteering, getting more information about the conference, or asking to send you a registration brochure, contact Cheryl Eiholzer either at work (372-6189, "Cheryl.Eiholzer@pnl.gov") or at home (375-5705, "eiholzer-hoza@att.net").

ASCE Award

Congratulations to Cherri Defigh-Price, a long time SWE-EWS member and past EWS president who was elected a fellow of ASCE, the American Society of Civil Engineers, this past December.

ASCE fellows are legally registered professional engineers or land surveyors who have made significant technical or professional contributions to the profession and who have demonstrated notable achievement in responsible charge of engineering activity for at least 10 years following election to the ASCE grade of member. Fellows occupy the Society's second-highest membership grade, exceeded only by honorary members.

DOE Regional Science Bowls

Saturday, February 28, 2004 at WSU Tri-Cities
Saturday, March 13, 2004 at WSU Spokane

TIME COMMITMENT

We need help to prepare the rooms and registration materials on Friday evening (4:00 to 6:30 p.m.) and to monitor the contests on Saturday (8:00 a.m. through 12:00, 2:00 or 5:00 p.m.).

POSITIONS

A moderator (question reader), scientific judge, rules judge, scorer, timer and special awards monitor are needed in each of eight competition rooms. Volunteers will be assigned to a team to serve in one of the rooms throughout the event. A scientific background is helpful for the moderator and science judge positions but is not necessary for the rules judge, timer, scorer or monitor.

TRAINING

Officials are asked to go through a training session on either Tuesday, February 24 or Thursday, February 26 from 5:00 to 6:00 p.m. in the WSU auditorium and Friday, March 12 from 4:00 to 5:00 p.m. or 6:30 to 7:30 p.m. in room 113 of the Phase I Classroom Building, 668 N. Riverpoint Blvd.(just east of the intersection of Division & Trent) at WSU Spokane. We will go over the rules and acquaint you with the equipment. We also have a training video on request.

INFORMATION

Please check our new website at "<http://www.scied.science.doe.gov/rsb/>" for further information. The position job descriptions and the rules are posted. We will also send you copies of this information for your review.

TO RESPOND:

Email "bperry@owt.com", call 509.588.3901 or fax 509.588.8088 to let us know:
1. If you will be able to participate all day or if you have a time limit
2. Position preferences (moderator, science judge, rules judge, timer, scorer, monitor)
3. Names of others who may want to participate

4. Your postal or plant mailing address

YOUR REWARDS

We will provide snacks, lunch and a t-shirt or sweatshirt plus a certificate of appreciation. Most volunteers leave this event with a great feeling of contributing to the advancement of the awesome students who participate in this event. We hope you will volunteer.

Girl Scout Badge

An unusual group of organizations are cooperating to provide a workshop to enable scouts to complete requirements for an Atomic Energy merit badge. They have specifically designed the program to allot 14 slots to girl scouts who are interested in being a part of this uncommon activity. It seems worthwhile to get this information out to troops in the area ASAP, as the dates set aside for the two workshop sessions (March 6 and 13) are barely a month away. Details are contained in the two websites highlighted below, including the contact person.

Fellow Scouters - The American Chemical Society, the American Nuclear Society, and FLUOR are co-sponsoring the Boy Scouts of America Atomic Energy Merit Badge. The activity is open to the boy scouts and girl scouts ages 13 and up.

Find out about details at "<http://ansewbc.urx.com/ansewbc/atomicmb/index.html>". Requirements for the BSA badge can be found at "<http://www.meritbadge.com/bsa/mb/024.htm>".

2003 Wanda Munn Scholarship Applications

Applications due February 28

Each year the Eastern Washington Section of the Society of Women Engineers administers a \$ 1000 scholarship that is funded from a trust fund established by the section. The scholarship will be awarded to a nontraditional engineering female student residing in the Northwestern United States to help alleviate the financial burden of returning to school.

Notices announcing this scholarship have been sent to all engineering colleges/universities in the 5 state northwest region and to local (Hanford) businesses. Applications must be postmarked by February 28, 2003; selection of the award recipient will be made by May 1, 2003 and announced by June 30, 2003.

Eligibility

Be a nontraditional female student endeavoring to reenter the work force or to assist in career growth and potential.

Be in a position to accept the scholarship toward undergraduate or graduate engineering studies in an accredited school in the fall following presentation of the award.

Satisfactory completion of a minimum of two years of full time equivalent credits at an ABET accredited school. These credits do not have to be in an engineering curriculum.

Be a woman residing in the Northwestern United States (inclusive of WA, OR, ID, MT, and AK).

Application

All application materials will become the property of the Eastern Washington Section of the Society of Women Engineers.

No application materials will be returned. In order to be accepted for judging, all of the following materials must be submitted:

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A. Application Form: Eastern Washington Section of the Society of Women Engineers Wanda Munn Scholarship Application Form.

B. Transcripts: Official copy of applicant's transcript showing grades for the entire enrollment in current and/or prior college(s).

C. Letters of Reference: 1) Letter of Reference from the Engineering Department Head, a professor, or a faculty counselor; 2) Letter of Reference from an individual who has personally known the applicant for a minimum of three years and who is not a member or relative of the applicant's family; and 3) Letter of Reference from a professional source such as an employer or other community/professional organization.

Evaluation and Award

Nontraditional women working towards an undergraduate or graduate degree are eligible. All other factors being equal, preference in award will be made to an Eastern Washington resident. Financial need and academic successes will be considered but will not be a final, determining criteria. The applicant's motivation, leadership potential, and ability to follow projects through to completion will heavily influence award selection. Special consideration will be given to those with unique circumstances. Directed students with a positive attitude are encouraged to apply.

Application Forms

Official

scholarship forms from the Eastern Washington Section of the Society of Women Engineers are mailed annually to the student section and/or the Dean of Engineering to schools in the Northwestern United States.

Additional application forms may be requested directly from SWE at:

Sandy Brower, Scholarship Committee Chair
PO Box 364 Richland, WA 99352
509-375-3112 (home)
embrower@aol.com

Use of copies or reproductions is permitted.

Contact Information

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

President

Julie Dewberry, Engineer
Duratek Federal Services, Inc.
(509) 376-2522
jadewberry@duratekinc.com

Vice President

Tamara Franklin
Engineer
Bechtel National
(509) 371-5742
franklin.86@osu.edu

Treasurer

Ann Langevin, Engineer
Fluor Federal Services,
(509) 373-6737

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Ann_S_Langevin@rl.gov

Secretary
Denise Bent, Electrical Engineer
Energy Northwest
DMBENT@energy-northwest.com

Section Representative
Pamela Ankrum, Engineer
Energy Northwest
ankrum@charter.net

Region J Director
Margret Pritchard
director-j@swe.org

Newsletter Editor
Teresa Torres, Mechanical Engineer
COGEMA Eng. Corp,
(509) 372-2173
Teresa_D_Torres@rl.gov

Web Page Administrator
Jocelyne Gray, E.I.T.
HATTON GODAT PANTIER
(360)943-1599
jocelyneg@hattonpantier.com

Web Page: "<http://www.eastwashingtonswe.org/>"

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. 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.

Society of Women Engineers
Eastern Washington Section
P.O. Box 364
Richland, WA 99352
ADDRESS CORRECTION REQUESTED
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