



# Society of Women Engineers

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## Society of Women Engineers – Eastern Washington Section

P.O. Box 364 Richland, WA 99352 [www.swe.org](http://www.swe.org) Region J001

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### Upcoming Events

January 7, 2006	Scrapbook Meeting
January 11, 2006	Board Meeting & Financial Planning Meeting for General Membership
February 1, 2006	Board Meeting- Inca's, 1813 Leslie Road, Kennewick
February 11, 2006	SWE Breakfast Meeting.
February 24, 2006	Engineer's Week Banquet - SWE-EWS is organizing the banquet and looking for volunteers
March 1, 2006	Board Meeting - Inca's, 1813 Leslie Road, Kennewick
March 25, 2006	Wal-Mart Distribution Center Tour (in planning)
May 5-7, 2006	Region J Conference, Anchorage, Alaska <a href="http://www.swe.org/regionj/">http://www.swe.org/regionj/</a> then select "FY06 Region J Conference"

### Scrapbook Meeting

Help preserve SWE history!!!

**When:** Saturday, January 7th, 2006  
9:00 am to 1:00 pm

**Where:** Wanda's House  
1104 Pine Street, Richland.



### Financial Planning Meeting

Join Fellow SWE Members to learn about your securing your financial future.

**What:** **Financial Planning Meeting for General Membership**

**When:** General Board Meeting at 5:30 pm  
Dinner and Financial Planner at 6:00 pm

**Where:** Applebee's Banquet Room  
606 N Columbia Center Blvd  
Kennewick, WA 99336



Please RSVP (not required) to Jennifer Reissner if you will be able to attend.  
[jreissne@yahoo.com](mailto:jreissne@yahoo.com) (509)-727-8165

## REGION J CONFERENCE

May 5-7, 2006

Anchorage, Alaska

"Spirit of Engineering-Look to the Future"

May 5-7, 2006

[www.swealaska.org/swejconf2006.htm](http://www.swealaska.org/swejconf2006.htm)

## **ENGINEERS WEEK BANQUET**

### **Connecting Educators to Engineering**

Hosted by the Society of Women Engineers

**Featuring Dr. Bonnie J. Dunbar, PE**

**President and CEO Museum of Flight,**

**Former NASA Astronaut**

**Friday, February 24, 2006**

**Shilo Inn, Richland**

Social 5:30 PM, Dinner 6:30 PM, Program 7:30 PM

Ticket price includes donation to Museum of Flight

**Ticket Price \$35 (\$30 student/senior)**

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### **A Letter from SWE-EWS President**

Members and friends,

Many thanks to SWE members that hosted and attended our activities this past quarter. Our group is developing long lasting friendships as we move towards advancing SWE goals. Our work life balance activity this quarter is an evening with a financial planner on January 11, 2006. The quarterly scrapbook meetings are “come as you are” for “as much time as you have available.” The coffee tastes great. The next one is on January 7, 2006 at Wanda Munn’s (this coming Saturday morning).

The Eastern Washington Section of the Society of Women Engineers (SWE) extends an invitation to you to support “Connecting Educators to Engineering” and the presentation by Dr. Bonnie Dunbar at the 2006 Engineers Week Banquet in Richland, Washington. SWE has teamed with industrial partners to sponsor Engineers Week 2006 at the national level. To celebrate this partnership, SWE is hosting the Tricities Engineers Week Banquet on Friday, February 24, 2006. The location will be the Shilo Inn, Richland, WA. The event usually hosts 200 engineers and guests from Eastern Washington.

A final schedule is still in development, but we expect that the social hour will be from 5:30 pm to 6:15 pm followed by 45 minutes to 1 hour for dinner. There will be about ½ hour devoted to recognizing honored individuals followed by your keynote presentation around 7 pm. The Engineer of the Year Award will follow so that the evening ends before 9 pm.

Please contact me if you have additional questions. If you wish to obtain tickets, please contact [Cherri Defigh-Price@rl.gov](mailto:Cherri_Defigh-Price@rl.gov). Her phone number is 509-373-9596.

Cordially,

Joan Young

President, Society of Women Engineers Eastern Washington Section

Phone: 509-375-3976 Fax: 509-375-5921

**WANTED - Candidates for Engineer of the Year 2005**

By Renee Slocumb

We are looking for candidates for Engineer of the Year 2005. Below are the criteria. Please don't hesitate to nominate yourself or others as candidates because we don't always see all of your work or community involvement. Some of you have been nominated before and we would enjoy nominating you again if you are interested. The award will be presented during Engineer's Week in Feb. 2006. If you do not know any women in SWE who qualify but know an exceptional woman engineer who could qualify, please let me know. If more than one person is named as a candidate one will be chosen to as our nominee. We will work with the nominee to complete the forms so it is not an individual effort. Please contact Renee Slocumb or rcslocum@bechtel.com for more information and/or with your candidates name and contact information.

## 1) Criteria:

- a) The nominee shall be a resident of, or work in, southeastern Washington, e.g., the Tri-Cities or Walla Walla areas.
- b) The nominee shall have accomplished significant engineering work during the calendar year January 1, 2005, through December 31, 2005.
- c) The "engineering work" may consist of engineering design, analysis, or other engineering functions performed directly by the Engineer, or such work that has been accomplished under the direct responsible charge of the Engineer.

## 2) Nominee Evaluation and Selection Data:

- a) Work-related data submitted shall be for projects or activities completed or in-progress only during the 2005 calendar year.
- b) Submit data for professional contributions including technical society activities, papers published and patent awards completed or in-process during calendar year 2004 and/or 2005 only.
- c) Identify Community Contributions by the nominee performed during the years 2003 through 2005.

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**Diversity Benefits Everyone*****Diversity Advice from the National Conference***

A recent study by the American Management Association found that 95% of a research sample felt other women undermined them at some point in their careers. Another study showed that woman to woman sabotage has increased 50% during the past 10 years. Women make up 46% of the U.S. workforce<sup>1</sup> and 10.6% of U.S. Engineers. When all people are encouraged and supported to reach their full potential, the world becomes a better place for everyone. The presenter reminded us to support each other as part of honoring diversity, because the world needs us!

## INFORMATION & PHOTO LINKS

Your SWE-EWS officers had a board meeting on December 7, 2005. Many items were discussed, but the main focus was the Engineer's Week Banquet scheduled for February 24, 2006. A small committee is very busily scheduling speakers, the banquet hall, music and tickets. If you are interested in helping please reply to this email or contact an officer.

The annual SWE EWS Halloween and Christmas parties were great fun for all that attended. The gift exchange is always a blast – you never do know what someone is going to steal!

*Future City* – There are two teams for the future city competition from the Ellen Ochoa Middle School that are looking for an engineering mentor. Contact Michele Kuklinski at [mkuklinski@psd1.org](mailto:mkuklinski@psd1.org) if you would like to volunteer.

Please find EWS photos from 2003-2004. Let other members know about the link.  
<http://pg.photos.yahoo.com/ph/jocelynegray/album?.dir=/41d1&.src=ph&.tok=phGh2vDBCPUuGM7t>  
View the website at [www.eastwashingtonswe.org](http://www.eastwashingtonswe.org) for photos of the Halloween and Christmas events.

A great time was had by children and adults alike when several women of SWE participated in a read-a-thon on October 8, 2005. The Library Foundation raised money by holding an open house and a read-a-thon to re-open the Richland Library on Sunday afternoons. We were scheduled to read for 30 minutes; however, no one was scheduled after us so we continued to read for a full hour, until the read-a-thon was over. Many members who were unable to participate in the read-a-thon donated money.

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## PROGRAM DEVELOPMENT GRANT AWARD

Eastern Washington Section has been notified that they are the recipients of a SWE Program Development Grant Award. Ann Langevin is the chair of this effort. SWE plans to host a Girl Scout Badge Day in the spring. SWE volunteers will spend part of a day working with girls scouts on “Making it Better” and “Science Sleuth” badge activities. Badges includes six requirements where junior girls “act like a scientist.”

## Engineer's Week Banquet Keynote Speaker

Exciting News-- Dr. Bonnie Dunbar, Director of the Museum of Flight, one of the largest air and space museums in the world, has agreed to be Keynote Speaker for the Engineer of the Year Banquet.

A veteran of five space flights, Dr. Dunbar has logged more than 1,208 hours (50 days) in space. She served as a mission specialist on STS 61-A in 1985, STS-32 in 1990, and STS-71 in 1995, and was the Payload Commander on STS-50 in 1992, and STS-89 in 1998. Dr. Dunbar resigned from NASA in September 2005 to serve as President and CEO of the Seattle Museum of Flight, Seattle, Washington.

A native of the small, south-central Washington rural community of Outlook, Dunbar earned bachelor's and master's degrees in ceramic engineering from the University of Washington in Seattle and a doctorate in mechanical/biomedical engineering from the University of Houston. She held research and engineering positions with the Boeing Co., Harwell Laboratories and Rockwell International until 1978, when she joined NASA as a flight controller. Two years later, in 1980, she was selected as a NASA mission specialist astronaut.

She is considered one of the most experienced female astronauts in the world. Dr. Dunbar resigned from NASA in September 2005 to serve as President and CEO of the Seattle Museum of Flight, Seattle, Washington. Museum of Flight, under the direction of Dr. Dunbar, is actively developing programs to bring engineering to schools.

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### **Get Involved in EWEEK2006!**

By Joan Young

Society of Women Engineers has teamed with industrial partners to sponsor Engineers Week 2006 at the national level. You can read more about SWE activities at <http://www.eweek2006.org>. The theme for Engineers Week 2006 is "connecting educators to engineering." The target age group is Middle School.

Andrea Hopkins of Society of Women Engineers chairs a committee for the Hanford EWEEK that includes educational outreach. She is seeking volunteers for hands-on activities.

The 2006 Engineers Week volunteer packet will arrive soon, and it recommends activities for engineers to do with young students.

Read about it at [http://pbskids.org/cyberchase/parentsteachers/lessons\\_print.html](http://pbskids.org/cyberchase/parentsteachers/lessons_print.html).

Other posters and information are available at the official Eweek website at <http://www.eweek.org/>. The website says "engineers make a world of difference." Society of Women Engineers intends to fulfill that motto.

## Welcome Baby Calder

Congratulations Alice Orrell!

Our Treasurer, Alice, and her husband John have a new addition, John Calder Orrell. He was born on October 4th at 3:43 am. He weighed 7 lbs and was 19.5 inches tall. He is already over two months old and up to 11 lbs, 7 oz. and 22.5 inches. Good job Alice! Little John was named after his daddy but goes by his grandpa's name, Calder.



### Thank you note from Alice for the baby blanket

Dear Fellow SWE Members,

Thank you so much for the SWE blanket and for taking time out of our last breakfast meeting to present it. The blanket is perfect for keeping Calder warm in the stroller on our daily walks.

We greatly appreciate your thoughtfulness.

Many thanks,  
Alice, John, and Calder Orrell

## **Global Energy in the 21st Century**

By Joan Young

My perspectives about corporate America were changed by the SWE National Conference 2005 Keynote Presentation by Sherri K. Stuewer, Vice-President of Safety, Health and Environment for Exxon Mobil Corporation. Sherri's remarks seemed unremarkable at first. Energy is vital to our existence. Energy and economic development are linked. New energy sources are vital to the future. I knew these facts. I did not need to hear them expressed from the ex-general manager of the Exxon Refinery in Baytown, Texas, the largest refinery in the United States, in order to believe them.

What I needed from Sherri was hope for a balanced energy future! I wanted to hear about a future where the poor did not extract the energy in order for the most wealthy to use it. I wanted to hear about a future where energy actually cleans up the environment rather than pollutes it. As Sherri talked about her life, I realized she cared about people. She was once president of the Houston Regional Monitoring Corporation, a consortium of companies funding research and monitoring of Houston air quality. She served as a board member of the Baytown Chamber of Commerce. She and her husband, Les, are the parents of two daughters. In her position for Exxon Mobile, she is responsible for Exxon's worldwide efforts in environment, safety and health. I was impressed. She did not hide her head from the problems in remote regions, but rather she had "rolled down her window, to listen to the voices it was easy not to hear."

Sherri told us that 1.5 billion people live with no electricity. Over 2.5 billion people use wood and animal dung to cook and stay warm. Sherri wanted a world where all people have clean energy, and this would require continued research in renewable energy options. There is lack of cheap oil and natural gas, but by mining coal and tar sands, we may have 50 years to make the world over again. She challenged women engineers to use energy wisely to buy time for responsible development of world energy supplies. These new supplies are in remote, unstable areas without roads, railroads, or trained workers. Energy development will bring new lifestyles to remote villages. We need to nurture the people as well as the natural resource. We need to bring stability to these areas along with development. This requires that Exxon Mobile "honors diversity" and finds staff able to work across cultures.

There is a saying that "one generation plants the trees and the next one sits in the shade." It is time to plant trees, ladies, so grab your shovels. Sherri K. Stuewer sees what needs to be done for safe and clean energy development. The ethical, the brave, and the highly trained must step forward to help her bring it about.



## Do you do these things? (from SWE National Conference Business Etiquette Session)

Top Ten Mistakes When Dining	How to Attend a Business Meeting
<ul style="list-style-type: none"> <li>● Speaking too loudly or monopolizing</li> <li>● Cell phones/ pagers/blackberries</li> <li>● Leaving purses/sunglasses/ keys on table</li> <li>● Elbows on the table</li> <li>● Chewing with mouth open</li> <li>● Eating too fast or too slowly</li> <li>● Touching your face or hair at the table</li> <li>● Reaching across the table</li> <li>● Poor posture</li> <li>● Pushing away the plate or bowl when finished</li> </ul>	<ul style="list-style-type: none"> <li>● Be on time</li> <li>● Be prepared</li> <li>● Don't seat yourself</li> <li>● Listen carefully</li> <li>● Don't interrupt</li> <li>● Stick to agenda</li> <li>● Use humor judiciously</li> <li>● Make sure you understand the outcome</li> <li>● Thank the chairman</li> <li>● Don't:               <ul style="list-style-type: none"> <li>❖ Fuss with hair, make up, nails</li> <li>❖ Tap fingers</li> <li>❖ Leave cell phone on</li> <li>❖ Talk on your cell phone</li> <li>❖ Attend if you are sick</li> </ul> </li> </ul>

### CRYPTIC QUOTE

ANSWER TO September's PUZZLE: "it is not easy being green" - Kermit the Frog

#### December's Puzzle:

XP FN BHL HFXSLBFP

CLUES: U = X, O = F, A = Z, I = W, E = L, T = B

(The answer is on the last page)

## Engineering in Hong Kong

by Jenny Stenkamp



Victoria Harbor in Hong Kong taken from the Peak.

During my vacation to Hong Kong in September 2005, I was impressed by the bamboo scaffoldings used everywhere for construction or repair of buildings. Some have “safety” nets covering the structure. A common method of dismantling this type of scaffold is .. lighting it on fire and burning it. Just a guess! SWE members visiting Hong Kong will find a variety of alternative construction techniques that make “good” sense.

A rather tall building having repairs done:





A scaffold that extended all the way down to the street level



## Contact Information

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

Position/Region	Name	E-mail
President Region J Section	Joan Young	<a href="mailto:joan.young@pnl.gov">joan.young@pnl.gov</a> <a href="mailto:jyoung3459@charter.net">jyoung3459@charter.net</a>
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TCTC Chair	Pamela Ankrum	<a href="mailto:ankrum@charter.net">ankrum@charter.net</a>
Scholarship Chair	Sandy Brower	<a href="mailto:embrower@aol.com">embrower@aol.com</a>
Certificate of Merit Chair/Historian	Wanda Munn	<a href="mailto:wimunn@aol.com">wimunn@aol.com</a>
Region J Governor	Alison Ratliff	<a href="mailto:alratliff@earthlink.net">alratliff@earthlink.net</a>
Region J Lt. Governor	Jocelyne Gray	<a href="mailto:jocelynegray@yahoo.com">jocelynegray@yahoo.com</a>
Gatekeeper	Jen Stenkamp	<a href="mailto:JJSTENKAMP@energy-northwest.com">JJSTENKAMP@energy-northwest.com</a>

**Thanks to everyone who submitted information for this newsletter.**

**Please submit information for the next newsletter by March 1, 2006 midnight to Kathryn Misiaque.**

**Answer from cryptic quote on page 9: Up On the Housetop****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](http://www.swe.org) or call (312) 596-5223.

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ADDRESS CORRECTION REQUESTED

SWE Member