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TREASURE VALLEY SECTION ASME NEWSLETTER



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December 11th: National Weather Service Site Tour

Ever wonder how the national weather service makes forecasts, or why they always seem to be wrong? Find out how and why on this informative tour. At the Boise NWS office we will learn about weather computer models, see Doppler radar in action, and even meet Sven, the soon-to-be retired voice of the automated weather service computer. Learn how to use the information at www.wrh.noaa.gov/boise. Find out what the weather service knows, and what they can't predict. This tour is limited to 15 people, and less than 5 spots are available. E-mail Alan Russell if you would like to attend.

Date: December 11th

Time: 6-8 pm

Location: National Weather Service Forecast Office (NWSFO) Boise
3833 South Development Avenue
Building 3807

Directions: Go South on Vista, Left on Airport Way and take a right on Development way as you approach Denny's on Airport Way. Continue on Development Way to the gate and the security guard. (The guard will check your name off a list, so you must RSVP to us if you are going.) Take the first left onto a circular drive once past the guard station. The building is the NWS building and there is a doorbell on it in case it is locked at that time. The tour guide (one of the NWS meteorologists) will be there to greet everyone.

RSVP To: Alan Russell, 396-4439, alan_russell@hp.com

Preview of January 8th - Distinguished Program Lecture

Karen Warden is a doctoral candidate in the Mechanical Engineering Department at Case Western Reserve University specializing in spinal biomechanics. Karen has been active in the field for the past ten years in academic, industrial, and consulting capacities, has co-authored numerous peer-reviewed publications and received research and achievement awards.

Some of Ms. Warden's publications that she co-authored are "*Biomechanical Evaluation of Cervical Spinal Stabilization Methods in a Human Cadaveric Model*", "*Compression Strength of Allograft Bone for PLIF*," "*Device-Related Osteoporosis with Spinal Instrumentation: A Canine Model*," and "*The Influence of Bone Mineral Density on the Fixation of Thoracolumbar Implants*."

Ms. Warden is currently a Consultant in Cleveland, Ohio. Karen's activities include development of mechanical testing protocols for the evaluation of implants, generation and review of FDA submissions, management and coordination of mechanical experimentation, product development assistance, scientific support research for marketing documents, and project management.

Date: Tuesday, January 8, 2002

Time: 6:00 PM

Where: University of Idaho, Boise Campus

Contact: Carl Hamke carlh@jstmfg.com to RSVP



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ASME E-mail System

ASME members have the option to sign up for an ASME.ORG Web Account. This includes a personalized password and an ASME.ORG Email Alias. This is not an email account only an alias. All email sent to *yourname@asme.org* is automatically forwarded to the primary email address you provide us, such as your home or work email. No set up or programming is required on your PC. The Benefits are an email address that you can keep for a lifetime and no hassle notifying friends, colleagues, news groups, etc whenever your primary email address changes.

To sign up for this service, got to: https://www.asme.org/auth/login.tcl?return_url=%2femail%2f.

The ASME.ORG email alias is undergoing some program modifications. Please send any change requests to [the Webmaster](#). Please include your email alias address, last name, member ID number and any changes you need.

Nov 13th Recap – Impromptu Design Contest



A great time was had by all who attended the Impromptu Design Contest last November. Five teams battled to see who could build the highest structure using only a single 8 1/2 by 11 inch sheet of paper, and a limited amount of tape.

The teams were given a half hour to brainstorm, build a prototype using a different sheet a paper, then build the finished product. The final test was the tower had to stand for at least 1 minute without falling during the judging period. It was interesting to see the difference



between those that spent too much time on their prototypes and those that skipped the prototypes. It was also interesting to see the different teams strike a balance between having maximum beam length and having enough beam width to support the load.

There were similar commonalities in that most of the structures had a 3 legged base followed by a single long thin spire top. Also, most designs used a single-folded "V"-beam as the beam of choice. Although, one team devised a spiral wound beam that showed a lot of strength with minimal paper. However, when stretched too far apart, would bend and buckle. Interesting, never the less! I think that is one of the fun things about these types of contests is just seeing some of the creative ideas that emerge.



Winning Team

As you can see from the photos, there were some fairly high structures built by each team. The winners of the contest were (from left to right) Keith Shiimoto, John Youngsman, and Carl Hamke. Their tower stood 70 1/2 inches. Winning aside, the best part of the contest was getting to know some new faces and having a good laugh with old and new friends.



Spiral Wound Beam



Notice for Unemployed ASME Members

ASME members can request a waiver of their annual dues if they are unemployed. People can remain members and resume dues payment when they find a new position. ASME prefers to temporarily suspend a member's dues, than to lose a member who may never return to active membership.

Any members looking for work? Attend our meetings. Become active on our executive board! This gives you one more avenue for networking. Contact our section chair, Carl Hamke (377-1120 x28; carlh@jstmfg.com).

New Web Page for Treasure Valley Section ASME

We have gone through a few changes and changed our address of our web page. To find out more about our section, see all future events, and review previous activities and newsletters, please visit our site at:

<http://www.asme.org/sections/tvidaho/index.htm>.

Treasure Valley Section ASME 2000-2001 Remaining Tours

The following lists the remaining 2001-2002 lineup of tours and events for our Treasure Valley Section of ASME. Similar to last year, we will continue to have the meeting nights on the 2nd Tuesday of every month. We welcome members and non-members to attend. This list will be updated frequently, so please watch our web site at <http://www.asme.org/sections/tvidaho/index.htm> as details are confirmed and filled in for later events.

Date	Time	Event	Location	Contact
12/11	6PM	National Weather Service Site (15 person limit, e-mail reservation now)	NWS office - Boise Airport	Paul Dawson/Alan Russell (alan_russell@hp.com)
1/8	6PM	ASME Distinguished Lecturer (Video Conference)	U. of Idaho, Boise Campus	Carl Hamke
2/12	6PM	Ski Night/Tour of Snowmaking/Lifts at Bogus Basin	Bogus Basin Ski Resort, Boise ID	Alan Russell/Rudy Eggert
3/12	6PM	Professional Development Short Course	U. of Idaho, Boise Campus	Larry Stauffer
4/9	6PM	U of I Combustion Research - French-Fry Oil Fuel Van	U. of Idaho, Boise Campus	Judi Steciak
5/14	6PM	BarDenay/Harrison Hollow Tour	BarDenay, Boise, ID	Alan Russell