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# TREASURE VALLEY SECTION ASME NEWSLETTER



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Mechanical Engineers

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## May 8th Presentation: Tour of TableRock Brewpub

Our final tour of the spring will be a tour and explanation of the brewing process at Boise's oldest Brewpub, TableRock. One of the brewmasters will show us the equipment, and tell us how it's done. After the tour we will do some quality testing, dinner, and meet to plan next year's events. Please join us for a great social event, and help decide what your ASME section will do next year. No officer elections, so it's safe to attend!

**Date:** May 8th, 2001  
**Time:** 6-7:30 p.m.  
**Location:** 705 Fulton St., Boise  
**Directions:** Corner of Capitol Boulevard and Fulton Street, across from the Idaho History Museum.  
**Contact:** Alan Russell: 396-4439

## Summary of April Tour: Whiteman Industries

On April 10, we toured the Whiteman Industries plant where powered concrete trowels are manufactured. We started in the engineering test lab where new equipment is developed and tested. They have an automated robotic welder for welding frames, a powder coating facility and several product assembly lines. Materials used to build this equipment vary from



Dave Klaisle on the large trowel. Note the speed blur of the background boxes.

formed and welded sheet metal, machined castings to purchased engines. Some castings have a design life of years: compare this to the product life for computer memory. The engineering for this equipment requires mechanics, electrical controls, hydraulics and metal fabrication. The highpoint of the tour was riding the powered trowels, which are easy to steer with intuitive controls. The section would like to thank our Treasurer, Tim Jaszowski, for arranging a great tour on short notice.



Tim Jaszowski

## 2001 – 2002 ASME Tour Ideas Needed

If you have any good ideas for tours, meeting locations, or any other group activities, or if you would like to lead a tour, please attend the next meeting, or e-mail them to me ([alan\\_russell@hp.com](mailto:alan_russell@hp.com)). We will plan next year's tour schedule at the TableRock meeting, so plan to attend if you would like to help plan activities for the Treasure Valley Section. Hope to see you there...



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## ***Design Your Own ASME Benefit***

Design your own ASME benefit at our May meeting! From car rental to life insurance, ASME supports members with benefits we can take with us in today's changing workplace. You can also design your own benefit. How? Attend our annual planning meeting this May. You and your family will have fun, you'll help direct our activities next year, your section will benefit from your participation, and you will benefit by facilitating the meeting topic of your choice. Give your executive board your ideas and we'll do our best to see them happen – the latest CAD software demonstration, short course, technical topic, industry tour... the choice is yours.

Have you visited [asme.org](http://asme.org) lately? It's an outstanding website: log on and see what ASME has for you!

## ***University of Idaho plans to offer ME514/414 HVAC Systems***

ME514/414 HVAC Systems Offered in Boise

The University of Idaho - Boise is offering ME514/414 HVAC Systems this fall. The course objectives:

1. Develop a thorough understanding of the psychrometric performance of systems and equipment,
2. Develop an understanding of the performance characteristics, advantages, and disadvantages of the various types of HVAC systems.
3. Analyze the various energy estimating techniques and apply these to HVAC systems and techniques of energy conservation.
4. Analyze the performance of large tonnage refrigeration/chiller equipment, cooling coils, and cooling towers
5. Achieve an understanding of ducts and fans used in HVAC systems
6. Analyze the performance of various types of heat pump systems
7. Gain an appreciation for the economics of system and equipment selection.
8. Gain an appreciation for indoor air quality concerns.

Please contact Denise Engebrecht ([denisee@uidaho.edu](mailto:denisee@uidaho.edu)) or register online at [www.uidaho.edu](http://www.uidaho.edu)

## ***College of Engineering at Boise State University offers Masters Degrees***

The College of Engineering at Boise State University offers Masters Degrees in the following areas: Mechanical Engineering, Civil Engineering, Computer Engineering, and Electrical Engineering. Thesis and non-thesis options are available. More information about our graduate programs and the College of Engineering in general can be found at our website: <http://coen.boisestate.edu>

## ***U of I Mechanical Engineer in Space***

NASA space shuttle pilot Jeff Ashby, a 1976 graduate of the University of Idaho, is in space helping to deliver the new robot arm to the international space station. Ashby, who pilots his second space mission, became a NASA astronaut in 1994, after 16 years as a Navy pilot. As the mission pilot, he flies the shuttle, and operates the shuttle's robot arm assisting the mission specialists during space walks. For the latest on the space shuttle, check [www.shuttle.nasa.gov](http://www.shuttle.nasa.gov).

Thanks to Brent Meyer and the Imaging Supplies group at Hewlett-Packard, for printing hardcopies of our Newsletter.