



# Arizona Section Newsletter



December 2002

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## Holiday Party



**Date:** Thursday December 12, 2002  
**Time:** 6:00 pm—8 pm  
**Cost:** The Meeting is Free  
**Location:** Boris Bolf's Home  
 Directions will be provided when you make your reservation.  
**RSVP:** Required (see below)

Please RSVP To: Elena Micich  
 Phone: 602-231-4674  
 Email: [elena.micich@honeywell.com](mailto:elena.micich@honeywell.com)  
 Before noon Tuesday December 10th  
 Leave a message with the number in your party and a phone number at which you can be reached.

Eric Smith and the rest of the Arizona Section Executive Committee and Operating Board wish you and your family a wonderful holiday season and look forward to seeing all of you at the Holiday Party sponsored by your ASME Section.

We hope that the year has been both challenging and rewarding, and like us, you have new and exciting plans for 2003.

Come join us in celebrating the holiday season with some sweets, refreshments, old friends and maybe meet some new ones.

May all of you have a safe and happy holiday season and an outstanding New Year!



## Final Paper copy of the ASME Newsletter!

Engineering colleagues—this is the final Arizona Section ASME newsletter that you will receive by US mail. To better serve the Arizona Section the Executive Committee and Operating Board has elected to begin distribution of the newsletter only by electronic means. If your e-mail address is current with ASME you will receive an e-mail each month telling you when the newsletter is available for downloading.

Please go to <http://www.asme.org/member/> and select “Change of Address and Information” from the menus on the right to verify/update your e-mail address. You will need your member number to access your information. If you have any trouble updating your address you can call the ASME Western Regional Office at 1-800-624-9002 and they will be glad to help you. Updating your information is quick & painless - do it today!

Please verify your e-mail address if you wish to continue to receive information from the Arizona Section—and we hope you do. If you have any comments or questions, please contact Eric Smith Chairman Arizona Section ASME 602-938-1098 or [smithe7@asme.org](mailto:smithe7@asme.org).



## Chair's Message

Greetings to the Arizona Section ASME.

I hope to see everyone at the Holiday Party. Boris Bolf has graciously agreed to host the Holiday Party at his new home. He is conveniently located off I-10 near 99th Ave. You will receive directions to his home when you make your reservation.

If I don't see you, I'd like to wish you and your family my best wishes for a safe and happy holiday. I'll leave you with this thought, you'll get a lot more value out of your membership to ASME if you come and participate in ASME activities and inject more "fun and excitement" back into engineering programs for the members!

Please know that this is the last paper copy of the newsletter that will be mailed to you. If you do not have a current e-mail address listed with ASME - you won't receive the e-mail announcing the newsletter is available on the web. Updating your information is easy, just go to <http://www.asme.org/member/> and click on Register or Update your Member E-mail Alias . You will need your member number to access your information. If you have any trouble updating your address you can call the ASME Western Regional Office at 1-800-624-9002 and they will be glad to help you. Updating your information is quick & painless - do it today!

**"...you'll get a lot more value out of your membership to ASME if you come and participate in ASME activities..."**

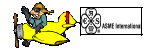
*Eric Smith*

Chair, Arizona Section ASME

## Engineers make a difference...

In 1900 the average American traveled about 1200 miles in a lifetime, mostly on foot, and mostly within his or her own village or town. By the end of the century, the typical American adult would travel some 12,000 miles by automobile alone, in just one year.

About 8,000 cars were registered in the America at the start of the 20th century. There are now some half billion in the world, with one-third in the United States, where more than 1.5 trillion miles are traveled each year. How the auto industry grew from a few thousand Tin Lizzies to the modern, aerodynamic and multipurpose vehicles of today is a chronicle of engineering at its most resourceful - from materials development to mass production techniques.



## ASME makes a difference to Engineers...

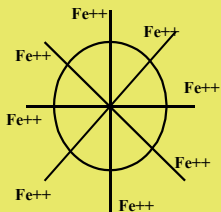


### Codes & Standards


- 1884 Code for the Conduct of Trials of Steam Boilers — first Performance Test Code
- 1890 Establishment of a Committee on Standard Methods of Testing Locomotives
- 1905 Standard Proportions for Machine Screws
- 1915 Standards for Engineering Drawings
- 1931 American Standard Safety Code for Elevators, second revision
- 1989 Boiler and Pressure Vessel Code published on CD-ROM
- 1993 ASME is recognized by national and international certifiers as an ISO 9000 registrar



### Brain Teaser

Solve the following puzzles:



1. Ferris Wheel  
 2. Mobile Ohm  
 3. No Jerks (theta is displacement, theta dot is velocity, theta double dot is acceleration, theta triple dot is jerk)

**Answers**

## Call for Mentors

Calling all mechanical engineers who would like to:

- Influence the career and academic choices of student engineers
- Help young engineers find their way in the profession
- Contribute to the future of mechanical engineering

How can you do all these things, plus derive the satisfaction of passing on your experience?

By becoming a mentor to a student member or young engineer. Young engineers eligible for ementoring have been out of school for 5 years or less.

### About Mentoring

#### Why mentor - and why e-mentoring?

Today's students need the advice of working engineers who have on the job experience. Most students get top notch technical training from their academic programs, but need the benefit of experience to find out what else they need on the job. As a mentor, you are in the unique position of letting students benefit from your experience, thereby helping them to get the right training, find the right niche in mechanical engineering for them, and make an easier transition to the working world.

Young engineers (who have been out of school for 5 years or less) also need the benefit of a mentor who can give them practical career advice on the day-to-day issues facing them in the workplace.

It's difficult to find the time to meet face to face, given the busy schedules of engineers and students. E-mentoring has the advantage of transcending geographic boundaries and time constraints. Online you can meet anytime, even if you are in different time zones.

#### What's involved?

##### Mentoring a student:

We ask that mentors contact your mentee weekly during the school year (approximately September to June), as work/school schedules and vacations permit. The mentor must be willing to initiate discussions and give advice and guidance freely, based on his/her experiences as an engineer.

If you have time to mentor more than one student, please volunteer, as more than one student may wish to take advantage of your expertise in a specific technical area. Also, if you mentor a student outside North America, understand that their school and holiday schedules may be very different.

##### Mentoring a Young Engineer:

We ask that you try to contact your mentee weekly, even during the summer months. We will run the mentoring year as if it were a school year, beginning in September and ending in June. As with students, the mentor must be willing to initiate discussions and give advice and guidance freely, based on his/her experiences as an engineer. If you have time to mentor more than one young engineer or a combination of young engineers and students, please volunteer, as more than one mentee may wish to take advantage of your expertise in a specific technical area. Also, if you mentor anyone outside North America, understand that his or her holiday schedules may be very different.

For more information, see Guidelines for a Good Mentoring Relationship below.

#### How are mentors and mentees matched?

Each mentor will be asked to provide information on his or her work experience, interests, and areas of expertise. That bio, without the contact information, will be posted online. Prospective mentees will then be able to view those resumes to choose mentors who most closely fit their career interests. The mentee will fill out an application with contact information, indicating their top three choices for mentors. The form will be evaluated by ASME, who will then match the mentor and mentee on a first come, first served basis. Each mentor and mentee will be contacted regarding the matching. Only names, company or school, relevant background information (as given in the application) and email addresses will be shared. If you wish to exchange information by phone or in person that will be up to the individuals involved.

<http://www.asme.org/ementoring.cfm>

## 2002-2003 Calendar of Events

Dec 10	Board Meeting -APS Building
Dec 12	<b>Holiday Party</b>
Jan 7	Board Meeting -APS Building
Jan 9	Gas Turbine Component Repairs Thermal Imaging Systems
Feb 11	Board Meeting -APS Building
Feb 13	<b>Engineering Careers Panel Discussion</b> - ASU
Feb 16-22	Engineer's Week
Mar 11	Board Meeting -APS Building
Mar 13	<b>Honors &amp; Awards Banquet</b> -TBD
Apr 8	Board Meeting -APS Building
Apr 9	<b>Industry Breakfast</b> - Wyndham Gardens Hotel
Apr 10	<b>Windsurfing</b> - TBD
May 6	Board Meeting -APS Building
May 8	<b>Steak Fry</b> -Pera Club

## Career Resources for Engineers

To find out about ASME Career benefits go to:

<http://www.asme.org/careersource/>.

### ASME Jobs Database

Search thousands of job listings or post a job opening.

### ResumeMatch® Service

Post your resume and we'll search our database to find your perfect match.

### Online Career Discussion Forum Q & A

Ask questions and receive information from your peers.

### ASME Continuing Education

Develop your skills through our wide range of short courses, seminars, online learning, and exam preparation programs

### Young Engineers Forum

Information on issues relevant to your developing career

### ASME Career/Life Guide

For young engineers making the transition from school to the workplace.

### ASME Self-Study Guides

A cost-effective way to learn how to improve your everyday on-the-job skills.



# Your Section Executive Committee and Operating Board for '02 -'03

If we can help you, please feel free to contact us. We look forward to serving the AZ Section members.

**2002-2003 Executive Committee**

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**Chair**-Markland (Mark) Jones  
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**Last Newsletters By Mail!**

Newsletters are Available on the Arizona Section ASME Web Page

[www.asme.org/sections/AZ](http://www.asme.org/sections/AZ)



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The following has been quoted from the Constitution of the American Society of Mechanical Engineers. Revised to October, 1991.

C5.1.2 The provisions of the Constitution, By-Laws and Policies and Procedures established by the Board of Governors of the Society shall govern the procedure of all components of the Society but no action or obligation of such components shall be considered an action or obligation of the society as a whole. This provision shall be imprinted on any publication issued by such components.

**Inside News!**



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