



**The American Society of
Mechanical Engineers**

Central Oklahoma Section Newsletter
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The Section is located at: Oklahoma Engineering Center, 201 Northeast 27th Street, Oklahoma City, OK 73105

The Central Oklahoma Section Newsletter is nominally published nine times per year to convey monthly meeting dates, meeting topics, section activities, and/or other ASME information to its membership.



***** **September Meeting Announcement** *****

“Overview of Air Quality in Oklahoma”

Speaker: Mr. Ellis Fischer, P.E.

Oklahoma Dept. of Environmental Quality (DEQ)

Thursday, September 26

**Oklahoma Engineering Center
201 NE 27th St., OKC**

Environmental quality is always a consideration for engineers. Our program this month deals with issues surrounding air quality. A number of industries, such as refining, power generation, and sanitation/incineration, must adhere to air quality standards. DEQ engineers work with industry representatives to identify and quantify emissions, identify impact on air quality and health, and recommend pollution prevention methods. Mr. Ellis Fischer, a professional engineer with the Oklahoma DEQ Air Quality Division, will present an overview of air related topics that impact Oklahoma's air quality. Various subjects covered include: (1) Sources of Air Pollution, (2) Lead Agencies to Control Air Pollution, (3) Agency Jurisdiction, (4) Technical Sources to Calculate Emissions, and (5) Air Pollution Control Technologies. **Make plans to attend this meeting on September 26!**

Schedule and Contact Information

Time: 6:00-6:30PM: Registration & Social. 6:30-7:15PM: Catered Meal.
7:15-7:30PM: Section Business & Introductions. 7:30PM: Program with Mr. Ellis Fischer.

Cost: \$10 for Sr. Members and Guests, \$5 for Student Members (students please bring your ASME membership card).

PLEASE PLACE RESERVATIONS BY 12:00PM (noon) TUESDAY, Sept. 24

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Additional September Meeting Information



The Oklahoma Department of Environmental Quality's mission is to equitably administer environmental laws considering both the economy of today and the environment of tomorrow. Immediate goals include administering effective processes, rules and regulatory approaches, developing effective state/federal partnerships, focusing on customer services, and promoting non-regulatory environmental approaches for business, local government and citizens. All these objectives are aimed at maintaining and improving Oklahoma's environmental quality.

Our speaker, **Mr. Ellis Fischer**, is a professional Civil Engineer and educator with over 25 years of civil engineering and public works administration experience in public works departments and private practice. Mr. Fischer's duties have included management and administration, road design and construction, bridge design, construction and maintenance, contract specification writing, environmental reports, and public relations. Mr. Fischer's education includes a B.S. degree in Civil Engineering from Fresno State University (CA), an M.B.A. in Financial Planning from Golden Gate University (CA), and a J.D.-Law degree from Oklahoma City University with emphasis on aviation, water, environmental, administrative, and land zoning law. Mr. Fischer is a licensed Professional Engineer in the states of California and Oklahoma.

→ **ATTENDEES ARE ELIGIBLE TO RECEIVE 1(one) PDH or 1/10th-CEU!** ←

IT'S TIME TO RENEW YOUR ASME MEMBERSHIP!!!

It's once again time for ASME dues submissions. Your Central Oklahoma Section is concerned with membership retention and with new member recruitment. We encourage all current members to renew their 2002-2003 memberships by October 1. Our Section allocation is based upon paid membership levels, so **your membership renewal is essential**. **Renewing early** (by mail or on-line) offers you chances to **win valuable prizes**.

Professional societies like ours need energy and enthusiasm that **new members** abundantly supply. Most of us know Mechanical Engineer colleagues (both young and not-so-young) that are not ASME members. If you know of potential member and need recruitment materials (including membership forms), please contact any Executive Committee member. Membership and Benefits information is also available at <http://www.asme.org/memb/>. All new members and their recruiter will be acknowledged in the ASME-Central Oklahoma Section Newsletter.



ASME BRIEFS

The value of your membership just increased ...

Take advantage of the **New Discounted Dues Structure**. If you have earned a baccalaureate degree or an advanced degree and have been out of school 4 years or less you can save up to 60% on Member Dues.

Checkout the current member dues rates available at <http://www.asme.org/member/info.html>

Pre-College Mini-Grants

Want money to do a program with teachers or schools? Sections and Student Sections are eligible for \$500 - \$1500 grants. **The Deadline is Nov. 1, 2002**. Log onto: <http://www.asme.org/education/precollege/minigrants/index.htm> for more information and application forms or contact: Nema Roman at romann@asme.org.

The University of Oklahoma School of Aerospace and Mechanical Engineering

Senior Design Practicum Program

We invite you to sponsor a Capstone project in various areas of mechanical engineering. Tap into the engineering resources at OU and gain access to our creative and enthusiastic graduating seniors.

For more about the program, visit our Web site:
www.coe.ou.edu/ame/SeniorDesign.htm

To discuss your project, contact:
Professor Ajay Agrawal
(405) 325-1754 • aagrwal@ou.edu

**Please respond by October 6, 2002
to receive full consideration.**

Chair's Corner

Dear ASME-Central Oklahoma Section Members:

Last month's tour of the **M-D Building Products** manufacturing plant proved to be one of our more interesting Section meetings. I've always been fascinated by how raw material (be it barrels of tiny plastic pellets or metal alloy ingots the size of large cannon shells) are transformed into intricate, finished products commonly used in the home. **We were fortunate to have the plant manager, Mr. Tom Stark, serve as our tour guide.** His pre-tour presentation was very informative as well. Besides covering some technical aspects of the plant's operations, he also gave us an idea of the challenges industry faces in ensuring enough manpower is at hand to operate and maintain the large machines used in any manufacturing venture. **We would like to thank both Mr. Loren Plotkin, President of M-D Products, and Tom Stark for hosting a thoroughly enjoyable evening.**

Although the topic will be different, our September meeting promises to be just as interesting. Variety, after all, is the spice of life and engineering alike. **We are fortunate to have Mr. Ellis Fischer as our speaker.** He will be giving us a presentation on "**Air Quality in Oklahoma**". The meeting is scheduled for Thursday, September 26th at the Engineering Center. Additional details of the presentation are given on pages 1 and 2. Please plan to attend and bring a co-worker or friend.

NOTE TO PEs: As a new service to our Section's registered Professional Engineers, **we will be instituting a new Continuing Education (CE) Credit Log**, beginning with this month's meeting. In addition to the regular sign-in sheet, a CE Log will be at the registration table. **All professional engineers must fill in this log sheet to receive the Professional Development Hour (PDH) credit—equivalent to 1/10th of a Continuing Education Unit (CEU)—for attending the presentation.** Section meetings that offer substantial technical content will be eligible for earning PDHs/CEUs, and as such, will be pre-announced in each associated Newsletter. The Executive Committee felt it was important to offer this program, since it provides a way for our members to obtain credit towards the new Continuing Education requirements recently instituted by the Oklahoma Board of Professional Engineers and Land Surveyors. **Be sure to spread the word of this to PEs in your work area, as it offers yet another benefit of joining and attending ASME events!**

Hope to see you all on the September 26th!

Frank Parker -- Chair

'Voices of Innovation' Public Radio Initiative

As mentioned in the Chair's Corner above, variety not only makes life interesting, but is very prevalent in engineering. That said, it seems strange that engineering is a rarely touted profession in the media for all the fascinating stories of design and innovation out there, which impact us directly in many ways. Until recently, there have been only two good (5-7 minute) programs on many public radio stations which cover engineering and man's general tendency to create and tinker: the "**Engines of Our Ingenuity**" hosted by John Lienhard (<http://www.uh.edu/engines>) and "**Engineering & Life**" by Bill Hammack (<http://www.engineerguy.com>).

However, we have to thank the AAES Council on the Public Awareness of Engineering for giving us a fresh and unique gem on the airways. The program is called "**Voices of Innovations**" and is unique because it's based on engineers telling their own stories on how they solve some of the most difficult and interesting problems set before them. More information, including sample segments and a link to request a sample CD of the first 25 programs is available on-line at <http://voicesofinnovation.org>. We would like to encourage you all to listen to the sample programs. If you like what you hear, please lobby your nearest public radio station to air "**Voices of Innovations**".

The logo for eMentoring, featuring the word "eMentoring" in a stylized blue font with a yellow outline, set against a green background.

ASME E-Mentors Needed!

Would you 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? Then consider ASME's E-Mentoring program.

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. For more information see <http://www.asme.org/ementoring.cfm>.

Professional Engineer's Continuing Education Requirements -- How Does This Affect Me?



As you know, Professional Engineers registered in Oklahoma must compile 30-PDHs/3-CEUs (Professional Development Hours/Continuing Education Units) within a biennial (24-month) renewal period. 15-PDHs/1.5-CEUs may be carried over into the next renewal period. The Oklahoma Board of Professional Engineers and Land Surveyors has set up a table to show when registered engineers must achieve the PDH requirement. For example, if your registration expires August 31, 2002, then the PDH requirement must be fulfilled by August 31, 2004. **Attendance at qualified ASME Section meeting entitles you to PDH credit**, and we will keep a log of members' accumulated credits. For more information see <http://www.pels.state.ok.us/webpagecontedfaq.doc>.

Future ASME-Central Oklahoma Section Events

Date	Location	Program Topic and Speaker
Sept. 26, 2002 (Thursday)	Oklahoma Engr. Center 201 NE 27 th St. Oklahoma City, OK	"Overview of Air Quality in Oklahoma" Speaker: Mr. Ellis Fischer, P.E.

ACCESS MORE OF ASME'S RESOURCES ON THE WORLD WIDE WEB AT

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

Also visit the ASME SOUTHERN REGIONAL OFFICE, DALLAS, TX at

<http://www.asmesro.org>

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