



American Society of Mechanical Engineers

Central Oklahoma Section Newsletter Volume 6, Number 2, September 7, 2004

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 *****

Speaker: Mr. John M. Harrington, P.G., CFM, Director of the Water Resources Division, Association of Central Oklahoma Governments

Topic: "Planning for Water Supplies in Central Oklahoma - A Regional Perspective"

**Thursday, September 23rd at the Oklahoma Engineering Center,
201 NE 27th St., OKC**



What's in your water? Or more to the point: where does it come from? Where will it come from in the future? How long can supply be sustained and at what levels? Questions like these are hardly (if ever) asked by most people, as the quantity and viability of our fresh water supplies are generally taken for granted. Many populations overseas and some communities in our country can't be so complacent about these issues. The fact that most of us in Oklahoma don't usually think about them is a credit to the work of the **Water Resources Division of the Association of Central Oklahoma Governments**. Planning for water supplies is becoming an increasingly complex affair as competing interests strive for a resource that all of us need. Water managers face a bewildering array of challenges from new federal regulations to ecosystem considerations; while trying to keep a growing population satisfied. The presentation will address several of these issues including the arsenic regulation, present and future water supplies, and several legislative items that our state legislature must grapple with.

Schedule and Contact Information

Time: 6:00PM: Registration and Social. 6:30PM: Catered Meal.
7:15PM: Meeting & Announcements
7:30PM: Presentation 9:00PM: Conclusion

Cost: \$10 each for all Senior Members and Guests, \$5 for Student Section Members.

PLEASE PLACE RESERVATIONS BY 12:00PM (noon) TUESDAY, September 21

Students please make reservations at your respective university's Mechanical Engineering office.

Members make reservations with **ED REYNOLDS ; edwin_c_reynolds@yahoo.com ;**

Ph: (405) 721-6753 (with each reservation, please include the name of each guest and/or student)

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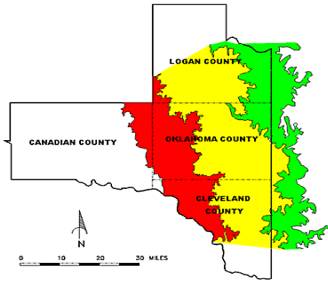
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Additional September Meeting Information

Currently serving as the Director of the Water Resources at the Association of Central Oklahoma (ACOG), **John Harrington** has over twenty years experience as a hydro-geologist and geophysicist in central Oklahoma, with sixteen years working specifically on the Garber-Wellington aquifer. He is a registered professional geologist and received his B.S. in geology at the University of California, Davis, and a M.S. in geology at San Diego State University. John is also a certified floodplain manager and an active tutor at the elementary school. His professional interests include mathematical modeling of all sorts, including groundwater modeling and non-point source models.

Much of what ACOG does with regard to Water Resources can be found on their website. Some services it provides to local communities includes groundwater technical guidance, water quality analysis and monitoring, and water well construction & design assistance. Their website link is as follows: http://www.acogok.org/Programs_and_Services/Water_Resources.



August Pro-Fab Plant Tour Highlights

Our August 26th tour at Pro-Fab Inc was a terrific opener for our 2004-2005 season. The dinner time presentation given by **Jim Myrick** was interesting enough. The tour he gave us was a real eye-opener on a little known and highly capable aerospace parts manufacturing company, based in Central Oklahoma. The plant's tools include the latest in CNC Machining and Metrology equipment which are typically seen in much larger manufacturing facilities. Besides the five, four, & three axis controlled tooling heads, Pro-Fab also employs a large water-jet and LASER cutting systems. Their tool crib is one of the largest and best organized most of us have seen. We also toured the engineering office where all planned manufacturing processes are generated.

Our meeting prior to the tour included the handing out of PDH certificates by **Ed Reynolds**, and a delicious Pizza, Salad, and Desert spread organized and brought in by **Jamal Siddiqui**. All told, there were 35 Senior Members, Students and guests who attended.

Although we were restricted from photographing the production facilities, we were allowed to take pictures of some of the displayed parts in the meeting room. These parts were produced for a wide range of aerospace firms including Boeing, Gulfstream Aerospace, Lockheed, Airbus, Bell Helicopter, and Cessna. **Thanks very much to Jim Rice, Jim Myrick, for hosting a thoroughly enjoyable and interesting tour of and Pro-Fab!**



Samples of Pro-Fab's Work in the Meeting Room shown in the foreground of each shot include an Engine Mount Prototype made of Machinable Foam (left), part of a Landing Gear Cylinder (center), and a Gulfstream G-V Floor Beam & Wing Rib (right).

Section Website Undergoes Extreme Makeover & Address Change

The Central Oklahoma Section website has been overhauled and moved to a new address. The address change was mandated by updates to the main ASME Internet Server for Section Sites. Format changes were made to provide more information, in a more organized style. Our new Section Webmaster, **Elizabeth Schwartz**, has been instrumental in implementing the changes. Although still a work in progress, the site is active and contains links to our newsletters, a very useful calendar, links to student sections and an informative map of our Section and its history. Check out the new website at <http://sections.asme.org/CentralOK> and give us your comments.



Although the parts exhibits in the room were of interest, many kept a close eye on Jamal's Pizza exhibit (left). Mr. Jim Myrick & Dr. Charles Bert (1st & 2nd from left) were caught in the foreground of our center shot. At right, two of several attending students (1st & 2nd from left) shown conversing with Jon Akins, Director of Public Relations on the Executive Committee.

Chair's Corner

Dear ASME-Central Oklahoma Section Members:

Our August 26th tour of Pro-Fab, Inc. was attended by 35 including 10 student members. A special thanks to Jamal Siddiqui for making arrangements for the pizza, salad, cookies, & soft drinks. This month's meeting on Thursday, Sep 23rd, promises to be an informative presentation by Mr. John Harrington, Director of Water Resources of the Association of Central Oklahoma Governments (ACOG).

We are looking forward to another exciting program year with interesting programs & tours. Details on future programs, dates, & locations are provided in this newsletter. One of our goals is to provide our Section membership with interesting & informative programs that will keep us up-to-date on the latest trends in Mechanical Engineering. We solicit your input/suggestions on any program topics or facility tours that would be of interest to our membership by contacting any of our executive committee members.

Another of our goals for this program year is to meet with our members in outlying geographic areas (i.e., Ponca City, Duncan, & other locations) in the ASME Central Oklahoma Section. We are considering possibly a luncheon meeting that would be in addition to our current monthly Section meetings. However, in order to do this we need our members in these areas to volunteer to assist in planning & organizing this effort. Please contact me or any executive committee member if you are interested in helping with this initiative.

Hope you can join us for this month's meeting on Thursday, Sep 23rd. Please plan to attend & bring a friend.

Ed Reynolds -- Chair

Continuing Education Requirements for Engineering Registration

In order to maintain your status as a Registered Professional Engineer, all renewals submitted after June 30, 2004, must be accompanied by a listing of at least 30 Professional Development Hours (PDH) that have been earned during the 2 years prior to the renewal. Those PDH's can be earned by attending educational seminars, completion or auditing college courses, teaching technically oriented seminars or programs, receiving patents, documented self-study, or ACTIVE PARTICIPATION IN PROFESSION OR TECHNICAL SOCIETIES (UP TO 4 PDH) & TECHNICAL OR PROFESSIONAL DEVELOPMENT MEETINGS.

Many of our ASME-COS meetings qualify for PDH certification. As a service to our membership, we are providing certificates depicting PDH's accumulated during the previous program year. These PDH certificates may then be used to substantiate the PDH's listed on the continuing education form submitted with your professional engineering license renewal. If you have not received your PDH certificate for last year, they will be available at our September Section meeting.

Attention Student Sections: Engineers without Borders to Team Up with ASME

ASME and Engineers without Borders are teaming up to engineer a better world - and your student section can help. ASME is now forming teams of engineering students (junior or senior standing minimum), professional engineers, and engineering faculty to be an integral part of the projects. Multidisciplinary teaming is encouraged. Projects finished prior to February 2005 will be highlighted during **Engineers Week** as part of **ASME's 125th Anniversary**.

Engineers Without Borders (EWB) envisions a world in which all people have access to adequate sanitation, safe drinking water, and the resources to meet their other self-identified engineering and economic development needs. Engineers have a central role in building a sustainable future and provide leadership in this direction. It's the learning adventure of a lifetime, an opportunity to become more aware of the social, economic, environmental, political, ethical, and cultural impacts of engineering projects.

More information on how to get involved can be found at <http://www.asme.org/students/ewb.html>.

Future ASME-Central Oklahoma Section and Other Events

Date	Location	Program Topic and Speaker
September 23, 2004 (Thursday)	Engineering Center. 201 NE 27 th St., OKC	Planning for Water Supplies in Central Oklahoma - Mr. John M. Harrington, P.G., CFM
October 27, 2004 (Wednesday)	Engineering Center. 201 NE 27 th St., OKC	Distinguished Lecturer Program Fuel Cell Technology - Dr. Ramesh Shah
October 29-30, 2004 (Friday, Saturday)	See http://www.pels.state.ok.us for location information	FE (Fundamentals of Engineering) and PE (Professional Engineers) Exams
December 2, 2004 (Thursday)	TBA	Sorry – More Info Next Month.

FOR UPDATES ON THESE AND OTHER EVENTS, VISIT OUR SECTION WEB SITE AT

<http://sections.asme.org/CentralOK>

ALSO VISIT THE ASME SOUTHERN FIELD OFFICE, DALLAS, TX AT

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

**The American Society of
Mechanical Engineers
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