

Message from the Chair

Amos Turnipseed, PE
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Baker Refrigeration Systems, Inc.
Russellville, AR

Greetings welcome to another year of Arkansas ASME. I hope this newsletter finds everyone happy and healthy. We are looking forward to a great year of ASME activities.

We are currently finalizing the event calendar for our general meetings, Honors and Awards Banquet, Christmas Social and industry tours. We have two professional development opportunities scheduled for this fall (see page 2 for details) and are planning more for the spring.

As always, your officers welcome suggestions for programs, activities, or improvements on the business of Arkansas ASME. Please feel free to give me a call at (479) 967-9850 or e-mail me @ aturnip@baker-ref.com with any ideas or suggestions.

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2006-2007 ASME Arkansas Section Officers

Chair:	Amos Turnipseed, PE	Baker Refrigeration Systems, Inc.	aturnip@baker-ref.com
Vice Chair:	Danny Hughes, PE	Entergy	dhughes@entergy.com
Secretary:	Ken French, Jr. PE	John Brown University	kwfjr@jbu.edu
Treasurer:	Adrienne Jaspers	Kawneer North America	adrienne.jaspers@kawneer.com

ASME Arkansas Student Section Faculty Leaders

Arkansas State University	Professor Brad Edgar	bedgar@astate.edu
Arkansas Tech University	Professor Robert Frasier	Robert.frasier@atu.edu
John Brown University	Professor Young-Gurl Kim	YGkim@jbu.edu
University of Arkansas - Fayetteville	Professor Rick Couvillon	rjc@uark.edu
University of Arkansas - Fort Smith	Professor Michael Reynolds	mreynold@uafortsmith.edu
University of Arkansas - Little Rock	Professor Srikanth Pidugu	sbpidugu@ualr.edu

Local Section News

The Arkansas Section helped out with the Community and Science Exploration Camp this summer. This was a terrific learning experience for the elementary school kids that participated. The details are as follows:

Project Dates:

June 5-9, 2006

Sponsors:

Tammy Vire 6th Grade Science Teacher
Amy Blackard 6th Grade Science Teacher
Kraus Middle School, Clarksville, AR

Number of Participants:

38 students

Summary of Project:

In our town, many children do not have science exploration opportunities because of lack of funds or transportation to the nearest city to offer such activities. Last summer, volunteer teachers from the middle school provided a hands-on science camp for fourth graders.

The camp was held again this year with sponsorship from several organizations, including Arkansas ASME.

Background:

Many students see science as a foreign concept. It is hard to understand, unimportant, and not applicable to their daily lives. Those involved in this project want to help children understand that not only is science fun, but every aspect of their lives involves science.

Activities:

Each day of the camp involves a different science focus area. All activities planned for the camp are hands-on, minds-on. Teachers and volunteers coordinate activities each day related to that day's focus area. Focus areas included physical science, earth science, and life science.

Activities included field trips to Lake Dardanelle State Park, Dardanelle Lock and Dam, and area farms. Hands on activities included experiments in simple machines, Cartesian divers, solar energy, UV radiation, pond water PH, air pressure, water pressure and buoyancy.

ASME Involvement:

ASME contributed \$500.00 and local member and Arkansas Section Vice Chair Danny Hughes presented several of the science experiment sessions.

Professional Development Opportunities

Need to get a few PDH's or build up your resume? Here are two chances this fall.

(A) Engineering Ethics in Action

This course will be offered **Tuesday, October 24 at 6 PM at Arkansas Tech University**. The seminar will be presented by Andy Taylor from Entergy following pizza and drinks and a quick Section meeting. The event will last about 2-1/2 hours.

Thanks to Andy's generosity, cost for the seminar and pizza will cost just \$5 at the door.

Please register before October 17 to reserve a seat for the seminar.

Course details are available at:

<http://files.asme.org/asmeorg/NewsPublicPolicy/Ethics/9322.pdf>

(B) Finite Element Analysis Theory and Modeling with ALGOR

This Eight-hour FEA course is to be offered **Saturday November 18, 2006**.

The course instructor is Bill Hovis of Entergy. Bill is highly experienced and has conducted this course numerous times.

ALGOR[®] will provide training manuals and 30 day trial versions of their software. The sessions will be held in the computer training center at Arkansas Nuclear One in Russellville.

Cost will be \$100 (lunch provided).

Early registration is encouraged. Email Danny Hughes @ dhughes@entergy.com to reserve your seat for these marvelous learning opportunities.

Advertise in our Newsletter

Beginning with our October issue we will be offering advertising space in each issue of the newsletter. This will be an excellent and very economical way to contact mechanical engineers, their work groups and their managers throughout Arkansas. The rates will be:

¼ page	\$75 per year
½ page	\$135 per year
¾ page	\$200 per year
Full page	\$250 per year

For more information contact any of the officers.

2007 Johnson & Johnson Consumer Companies, Inc. Medal



The Johnson & Johnson Award, first presented in 2005, recognizes outstanding contribution to the promotion of diversity and inclusiveness within the engineering community. This award is open to ASME members and individuals who are members of a recognized/engineering or professional society.

The deadline for all nominations is Feb. 1, 2007. For additional information and forms, visit http://www.asme.org/Governance/Honors/SocietyAwards/Johnson_Johnson_Consumer.cfm. or contact ASME staff contact: Mary James Legatski, legatskim@asme.org

Diversity Action Grants Now Available!

Encourage your local ASME student section to apply for a Diversity Action Grant by the Nov. 1 deadline! This program enables ASME Student Sections to sponsor events which:

- Promote the inclusion of women and under-represented minorities in ASME Student Sections and in mechanical engineering,
- Inspire K-12 students to excel in science, technology, engineering and mathematics (STEM) education and/or,
- Assist minority - and/or women-owned businesses solve engineering design problems.

For more information, visit: http://www.asme.org/Communities/Diversity/Diversity_Action_Grant.cfm or contact Mary James Legatski at legatskim@asme.org

ASME Student Sections Receive Support

One of the Section's greatest assets and indeed the future of ASME is the group of Engineering students that are currently enrolled in the State's six engineering programs. The student sections operate pretty much autonomously as local entities, but while their student memberships come from the National organization the senior section tries to encourage them with a small grant to each of the section advisors. This past year we were able to give each student section a grant of \$500.

The student sections often have projects, tours and other adventures to the 'real world' that the senior membership can help implement. If you would like to participate in a senior design project, sponsor a tour, or donate useful equipment or tools, please contact the student section advisor in your vicinity and see if you can help.

Check Out ASME News Online!

ASME News Online is an electronic resource for those who want to learn about ASME and the dozens of interesting programs and activities the organization and its members are involved in each year. ASME News also includes information and links pertinent to the governance of ASME, columns and features, include a monthly letter from ASME President Terry Shoup, industry news, calendars and events and more. Don't miss reading the September edition on www.asme.org

ASME's **e-mentoring program** is wonderful opportunity for Early Career members to receive guidance from an experienced engineer practicing in the field. Mentors are in the unique position of helping early career get the right training, find the right niche in mechanical engineering and allowing for a smoother transition into the working world.

Visit <http://htmlmail.asme.org/ementoring/index0906.html>

ASME E-Library Expands to 75 Titles – Free to members!

In early Sept. 2006, ASME members gain access to 75 interactive, user-friendly references available on the newly expanded ASME e-Library powered by Knovel. To take advantage, members simply access ASME.org and log onto the members-only page. Members pay no charges for access.

Selecting from a large, diverse collection that includes *Mark's Standard Handbook for Mechanical Engineers*, *Handbook of Materials Selection*, *Mechanical Engineer's Reference Book*, *Structural and Stress Analysis*, *Pipeline Rules of Thumb*, *Mechanics of Materials*, and *the Manufacturing Engineer's Reference Book*, members enjoy additional benefits unavailable from printed references. Using embedded analysis software, they quickly locate data, analyze it, and export the results. For a complete listing of available titles, visit the e-library pages in Members only.

For the initial session on the expanded ASME e-Library, each individual can log onto the member-only page and register. For future sessions, the individual can simply log onto the members-only page and click on an icon, which opens the collection for use.

**ASME Arkansas Section
Ken French, Jr., Secretary
John Brown University
2000 West University Street
Siloam Springs, AR 72761**

Call For Applications – ASME/ABET

Have an interest in undergraduate education? If so, we need your help! We are currently seeking for new ASME/ABET Program Evaluators.

Role of a Program Evaluator

Contribute to the continuous improvement of mechanical engineering, mechanical engineering technology, or related degree programs by evaluating them against a set of criteria. These criteria outline the requirements for faculty, facilities, curriculum, and other key program areas. In doing so, Program Evaluators help to assure the quality and vitality of Mechanical Engineering and Mechanical Engineering Technology degree programs. It's a lot of work, but it's also very professionally and personally rewarding.

Minimum Qualifications:

- Demonstrates interest in improving education.
- Demonstrates desired competencies outlined in ABET's Competency Model.
- At least one degree in mechanical engineering, mechanical engineering technology, or a closely related discipline. Graduate degree preferred.
- 10+ years of work experience. Management experience a plus.
- ASME member or willingness to become a member prior to applying to serve as an evaluator.

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