



**The American Society of  
Mechanical Engineers**

**Central Oklahoma Section Newsletter**

Volume 3, Number 9, May 10, 2002

The Section is located at: Oklahoma Engineering Center, 201 Northeast 27<sup>th</sup> 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.

*May Meeting Announcement*

**TOUR OF THRALL TRINITY FREIGHT CAR OKLAHOMA PLANT**

2033 S.W. 22nd Street, Oklahoma City, OK

**Hosts, Speakers, and Guides: Wayne Eirk and Joe Seiter**

**Thursday, May 23**

For our May meeting, we are touring the **Thrall Trinity Freight Car Plant** in southwest Oklahoma City. This plant currently produces Trinity Industries' newly designed 72 foot refrigeration box car. This box car has a gross rail load of 286,000 lbs, and an estimated load limit of 181,000 lbs. The car is equipped with a state of the art temperature control unit and an air flow management system. Our hosts will be **Wayne Eirk**, EI, Process Engineer, and **Joe Seiter**, Mechanical Engineer. They will make a presentation on the box car and the plant before the tour. **We are not having a meal at the site, so eat before you arrive. See p. 2 for details on tour conditions.** There are five acres of manufacturing space under roof. The facility is the former Black, Sivalls & Bryson plant. It was purchased by Trinity in 1978, and began producing hopper cars and LPG storage vessels. It was converted to a tank car facility in 1988, and manufactured various types of carbon steel tank cars until February 2000. The current staffing is 250 employees. The plant also has performed railcar repair and retrofit, ASME code vessel construction, and structural steel projects. **Directions to Plant:** Go to SW 22nd Street and South Penn. Penn is one mile west of Western and one mile east of May Avenue. Go east on SW 22 Street to Westwood. Go north on Westwood and turn left at the first entrance.

**Schedule and Contact Information**

**Time:** 6:30PM at the Thrall Plant. Presentation followed by tour of the manufacturing facility.

**Cost:** Free! There is no meal, so eat ahead of time. Wear comfortable shoes.

**PLEASE PLACE RESERVATIONS BY 12:00PM (noon) TUESDAY, April 23.**

E-Mail Reservations:	Ed Reynolds	edwin_c_reynolds@yahoo.com
OKC/Norman/Shawnee:	OU-AME Office	(405) 325-6772
Stillwater/Enid/Ponca City/Perry:	OSU-MAE Office	(405) 744-5900
Edmond/Guthrie:	OC- Engineering Office	(405) 425-5400
Lawton/Duncan/Chickasha:	Curtis Vickery	(580) 251-3573

**2001-2002 Central Oklahoma Section Executive Committee**

**Officers**

**Ed Reynolds, PE** .....Chair  
History & Heritage, Honors & Awards  
Consulting Engineer  
B (405) 721-6753  
edwin\_c\_reynolds@yahoo.com

**Morris Walker** .....1<sup>st</sup> Vice-Chair  
U.S. Postal Service Tech. Support  
B (405) 573-2246 • F (405) 573-2215  
mwalker@email.usps.gov

**Phillip Starr** .....Treasurer  
Halliburton Energy Services  
B (580) 251-4057 • F (580) 251-4604  
phillip.starr@halliburton.com

**Frank Chambers, PhD., PE** .....Secretary  
Oklahoma State University – MAE  
B (405) 744-5901 • F (405) 744-7873  
chambersf@asme.org

**Albert Janco, PE** .....Vice-Chair, Programs  
Vice-Chair, Membership  
Consulting Engineer  
B (405) 848-1991 • F (405) 843-624  
JANCOA@ASME.ORG

**Directors**

**John Heaton, PE** .....Public Relations  
B (580) 251-4166 • john.heaton@halliburton.com

**Frank Parker, PE** .....Prof'l Development  
B (405) 739-1813 • frank.j.parker@boeing.com

**Doug Brown** .....Member Interests  
B (580) 531-5871 • brownd919@asme.org

**Tracy Purser** ..... Minorities & Women  
B (405) 736-4806 • turbodanes@aol.com

**Jamal Siddiqui** ..... Member Contact  
B (405) 739-7191 • jamal.siddiqui@b2mx.tinker.af.mil

**Wendell Cavin, PE** .....Director  
B (405) 291-5586 • wc064a@okmail.sbc.com

**Ken Craig** ..... Director  
B (405) 364-4212 • kencraig@bergey.com

**Ed Root** ..... Director  
H (405) 946-3254 • eroot@worldnet.att.net

**Bill Green, PE** .....Director  
B (405) 377-1164 • greenwr@oge.com

**Ex-Officio Directors**

**David Cassel, PhD, PE** ..... OC  
B (405) 425-5402 • david.cassel@oc.edu

**Sub Gollahalli, PhD, PE** .....OU  
B (405) 325-1742 • gollahal@ou.edu

**Larry L. Hoberock, PhD, PE**.. OSU-MAE  
(405) 744-5900 • lhobero@ceat.okstate.edu

**Jim Bose, PhD, PE** ..... OSU-MET  
(405) 744-9458 • jbose@ceat.okstate.edu

**Past Chair**

**Curtis Vickery, PhD, PE** .... Newsletter Ed.  
Industrial Relations  
B (580) 251-3573 • F (580) 251-3008  
curtis.vickery@halliburton.com

**Faculty Advisors**

**Wayne Whaley, PhD, PE** ..... OC  
B (405) 425-5424 • wayne.whaley@oc.edu

**Will Sutton, PhD, PE** ..... OU  
B (405) 325-1714 • sutton@ou.edu

**Hongbing Lu, PhD** .....OSU-MAE  
B (405) 744-5900 • hongbin@okstate.edu

**Rick Beier, PhD** .....OSU-MET  
B(405) 744-9371 • beier@okstate.edu

## **Additional May Meeting Information**

### **Tour Conditions and Suggestions**

- Trinity allows pictures only of the finished car: no pictures of the work in process.
- Dress appropriately, no dresses and open toed shoes. Wear jeans and slacks.
- Hard hats, safety glasses, and hearing protection are required, so anyone that has a hard hat and/or safety glasses should bring their own, if possible. Trinity will provide hard hats and glasses for those who do not bring their own.



### **REFRIGERATED BOX CAR & SPECS.**

Length Over Coupler Pulling Faces	82'-2"
Length Over Strikers	77'-10"
Length Between Truck Centers	52'-0"
Length, Inside	72'-3"
Width, Inside	9'-2"
Height, Extreme	16'-11 7/8"
Height, Inside	12'-1 1/2"
Estimated Lightweight	105,000 lbs.
Estimated Load Limit-Based On 286,000 lbs. Gross Rail Load	181,000 lbs.
Gross Rail Load	286,000 lbs.
Cubic Capacity	7892 cu. ft.

Trinity says that "People that move perishable goods could spend a lifetime searching for the perfect climate. With a Trinity Rail Group refrigerated box car, the search is over. This car has a 286,000 lb. gross rail load, and it ensures that the goods you load on one side of the country stays fresh when they are unloaded on the other side of the country."

1. 286,000 lb. Gross Rail Load Offers Increased Payload.
2. State-Of-The-Art Diesel Powered Temperature Control Unit.
3. Standard Car Equipped With 10'-0" Wide By 11'-3 3/4" Plug Door.
4. 9'-2" Inside Width.
5. 72'-3" Inside Length.
6. A Wide Variety Of Options Are Available.

For information on Trinity Industries, Trinity Rail Group, and the cars, go to:

<http://www.trin.net/>

<http://www.trinityrailcar.com/>

## **Live Online PE Review course starts Aug. 6, 2002 – Earn 1.5 CEU's**

**Free Demo go to: <http://www.asme.org/education/disted/peonlinelive.htm#Demo>**

**PE Review Online Live** has been developed by ASME and Fairfield University to help you prepare for this rigorous exam. This online course allows you to talk to the instructors in real time-to get the answers you need to pass the exam. It has most of the advantages of a classroom course with the convenience of study from home, office or on the road, **plus you can play the classes back.** All the interaction, all the visual displays for all the completed classes are available for your review in the class archive.

To keep your preparation on track, there is an integral Time Line of Study, a recommended Review Manual with selected readings and problems and practice tests at the end of each class session. Registration for PE Review Online Live has started. There are a limited number of seats so contact us today. The registration deadline is July 23, 2002.

**Registration deadline:** July 23, 2002

**Course begins** Aug. 6, 2002 at 7 p.m. EST.

**Ordering Information: Product No. ZCTE10**

**\$790 ASME Member**

**\$820 Non-Member**

For more information go to <http://www.asme.org/education/disted/peonlinelive.htm> or contact Thomas Kuehl at [kuehlt@asme.org](mailto:kuehlt@asme.org) or 212-591-8013

## Chair's Corner

### Dear ASME-Central Oklahoma Section Members :

Our April 25<sup>th</sup> meeting was attended by 24 to hear **Ms. Marilyn Hughes** discuss "Ethics in Oklahoma State Government". **Christina Ford**, from Brink Junior High School in Moore, OK, the winner of the ASME sponsored Rubber-Band Powered Vehicle contest, demonstrated her winning vehicle. Her 1<sup>st</sup> place finish was 89 ft. and she has won this competition the past two years. **A special thanks to Christina** for sharing with our members and students.

The student member awards recognizing individual students for their academic achievement and outstanding service to their ASME student sections were presented to:

- The James H. Boggs Award, Oklahoma State University: **Megan McConnell**
- The Tom J. Love Award, The University of Oklahoma: **Julie Schlegel**
- The Jerald D. Parker Award, Oklahoma Christian University: **Erin K. Winter**

### Congratulations to these student members!

Other individuals recognized this year at the Honors & Awards meeting were:

- **Dr. J. Keith Good**, Oklahoma State University Professor, for the distinguished honor of being awarded the ASME Fellow rank.

- Individuals recognized for their years of membership in ASME were:

**25 Years:** **Richard A. Beier**, Ph.D., Member, Oklahoma State University-MET; **Afshin J. Ghajar**, Ph.D., P.E., Fellow, Oklahoma State University-MAE; **S.R. Gollahalli**, Ph.D., P.E., Fellow, University of Oklahoma-AME; **Kerry R. Hay**, Member, Western Farmers Electric Coop, Anadarko; **Richard G. Murray**, Ph.D., P.E. Member, Retired; **Charles B. Obosu**, Member, York International, Norman; **George A. Sarinopoulos**, Member, Retired.

**50 Years:** **Charles W. Bert**, Ph.D., P.E., Life Fellow, University of Oklahoma-AME; **Floyd O. Calvert**, Ph.D., P.E., Life Member, University of Oklahoma-AME; **Charles J. Stapp**, P.E., Life Member, Retired.

**Congratulations to these members** for their continued membership, support, and many contributions to ASME!

This is our final 2001-2002 Newsletter and my last opportunity to compose the "Chair's Corner" column. A very special thanks to our dedicated Executive Committee members who contributed much to our Section's success. **Frank Parker** will take over the Chair position in 2002-2003. Frank will do a great job in leading the Section and all our members are urged to join in and lend a hand. **We specifically need a volunteer to fill the Vice-Chair position for 2002-2003.** Please consider volunteering!

We are looking forward to our May 23<sup>rd</sup> tour of the Thrall Trinity Freight Car Plant. Please plan to attend & bring a friend.

**Ed Reynolds -- Chair**

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## Young Engineers Forum: Career/Life Guide -- New for You!

The Career/Life Guide is an online resource tool that offers guidance to young engineering professionals that are in transition from school to the work, looking for career advancement and interested in life & money management.

Career topics will include techniques on resume/cover letter writing, virtual interviewing, resources to keep you connected to the mechanical engineering industry, compensation tools to help you negotiate your salary, articles on navigating the workplace, and professional licensure resources.

Life topics will incorporate financial & insurance tips, options in graduate studies, finding balance, advice on buying a car and first time homebuyers.

Visit day or night [www.asme.org/youngengineers/careerlifeguide](http://www.asme.org/youngengineers/careerlifeguide)

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## Student Section News

### OSU-MAE Student Section (Megan McConnell):

In early April, **Pumpstar, Inc.** of Enid came to OSU with a demonstration of one of their big and impressive concrete pump trucks. Central Oklahoma Section member **Soubhi Naddaf** is at Pumpstar. On April 26, an officer transition dinner was held with **ASME Regional Director Burt Dicht** present. On May 2, a free lunch (yes there is one!) was provided during Dead (pre-finals) Week for all MAE students to help with their projects.

## Future ASME-Central Oklahoma Section Events

Date	Location	Program Topic and Speaker
May 23, 2002 (Thursday)	2033 S.W. 22 Street. Oklahoma City, OK	Tour Of Thrall Trinity Freight Car Oklahoma Plant Wayne Eirk and Joe Seiter



## WE NEED YOU .....

To help on our Central Oklahoma Section Executive Committee. In particular, **we need a volunteer to fill our 1<sup>st</sup> Vice-Chair position for the 2002-2003 program year.** This position is especially important because the 1<sup>st</sup> Vice-Chair succeeds to the Chair the following year (2003-2004). You will be able to participate in Executive Committee duties and “learn the ropes” during this upcoming program year. Also, time commitment should not be an overriding concern because a good amount support is available to help with officer duties. **Please consider volunteering! Contact Ed Reynolds** to volunteer for this or any other Executive Committee position.

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Mechanical Engineers  
OKLAHOMA ENGINEERING CENTER  
201 NORTHEAST 27<sup>TH</sup>  
OKLAHOMA CITY, OKLAHOMA 73105

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