



# American Society of Mechanical Engineers

## Central Oklahoma Section Newsletter Volume 6, Number 6, February 2005

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.

### **\*\*February JOINT ENGINEERING SOCIETY BANQUET Announcement \*\***



Speaker: **Dr. Bob L. Blackburn**

Executive Director  
Oklahoma Historical Society

Topic: **“A Story of Innovation: Exhibits Planned for the New Oklahoma History Center”**

**Thursday, February 24<sup>th</sup> at the Clarion Conference Center  
737 S. Meridian (See Map and Additional Information on Page 2)**

This year's Joint Engineering Societies Banquet Speaker will be **Dr. Bob L. Blackburn, Executive Director of the Oklahoma Historical Society.** His presentation will highlight both past technical accomplishments by Oklahomans and the new History Center scheduled to open in the Fall of 2005, just NE of the State Capital on 23<sup>rd</sup> Street & Lincoln Boulevard.

Dr. Blackburn's life is well rooted in both the Eastern and Western parts of the state. He grew up along Route 66 in Edmond, where his father was a Highway Patrolman and his mother launched her television career as Ida B. Dr. Blackburn joined the staff of the Oklahoma Historical Society, where he became editor of the Chronicles of Oklahoma and director of the Publications Division. In 1990 he became the Deputy Executive Director of the Society, followed by his appointment as Executive Director in 1999.

Dr. Blackburn is the author of numerous journal, magazine and newspaper articles ranging from law enforcement among the Cherokees to the origins of the bungalow. He has also written 13 books, all targeted at the general reading public, such as The Heart of the Promised Land: An Illustrated History of Oklahoma City, Images of Oklahoma, Heritage Hills: Preservation of a Historic Neighborhood, and A history of the State Fair of Oklahoma.

Dr. Blackburn has been active in other areas of the history community. He has written scripts for documentaries, appeared numerous times on the History Channel and hosted his own television show about Oklahoma history.

**\*\*\*This program will qualify for 1 PDH for attending Professional Engineers\*\*\***

### Schedule and Contact Information

**Time:** 6:30PM: Social 7:00PM: Dinner  
**Cost:** \$22 for all Members and Guests

**PLEASE PLACE RESERVATIONS BY 12:00PM (noon) FRIDAY, February 18**

**Members and Students** 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)

#### 2004-2005 CENTRAL OKLAHOMA SECTION EXECUTIVE COMMITTEE

##### OFFICERS

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

Frank Parker, PE ..... 1<sup>st</sup> Vice-Chair  
Boeing Aerospace  
B (405) 739-1813 • parkerfj@asme.org

Tom Betzen, PE ..... Secretary  
Michelin Tire & Rubber Co.  
B (580) 221-2280 • betzent2@asme.org

Mike Frey ..... Treasurer  
Boeing Aerospace  
B (405) 734-0150 • michael.j.frey@boeing.com

Albert Janco, PE ..... Vice-Chair, Programs  
Consulting Engineer  
B (405) 848-1991 • F (405) 843-6244  
JANCOA@ASME.ORG

Elizabeth Schwartz ..... Webmaster  
Diversity & Outreach  
(405) 488-1898 • schwartz3@asme.org

#### DIRECTORS

Jon Akins ..... Public Relations  
B (405) 789-1884 • jon@rupturepin.com

Nathan Weber ..... Membership  
B (405) 419-6305 • Webern2@asme.org

Frank Chambers, PhD, PE ..... Director  
B (405) 744-5901 • chambersf@asme.org

Wendell Cavin, PE ..... Director  
H (405) 946-3254 • wc064a@sbc.com

Bill Green, PE ..... Director  
B (405) 377-1164 • wgreen@cox.net

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

Tommy Lear ..... Director  
B (405) 739-1827 • thomas.a.lear@boeing.com

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

Jamal Siddique ..... Director  
B (405) 739-7191 • siddiquij2@asme.org

Curtis Vickery, PhD, PE ..... Director  
(580) 255-0255 • vickeryc1@asme.org

#### EX-OFFICIO DIRECTORS

Byron Newberry, PhD ..... OC  
B (405) 425-5428 • byron.newberry@oc.edu

Sub Gollahalli, PhD, PE ..... OU  
B (405) 325-1728 • gollahal@ou.edu

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

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

PAST CHAIR & Region X Vice-President  
Doug Brown • brownd919@asme.org  
Goodyear Tire & Rubber Co.  
B (580) 531-5871 • F (580) 531-6000

#### FACULTY ADVISORS

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

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

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

Rong Zhu Gan, PhD ..... OU-AME  
B (405) 325-1099 • rgan@ou.edu

## Additional February Meeting Information



The **Oklahoma History Center** will encompass approximately 18 acres at the intersection of N.E. 23rd St. and Lincoln Blvd. It will include the History Center as well as outdoor oilfield exhibits, and the **Red River Journey**. The **Red River Journey** will offer visitors a walking tour of the Red River Valley featuring landforms, vegetation, and important historical locations along the river forming Oklahoma's southern boundary.

Come join us at the Clarion's Meridian Convention Center to find out more about this new Oklahoma Treasure and to share in the camaraderie of fellow engineers, their families, and students. Besides the presentation and fine meal, the program will include

announcement of the wining teams for Mathcounts, Future Cities, winners of the Rubber Band Powered Vehicle Contest and other Engineering Week activities. Participating engineering societies will also be recognizing some of their members for outstanding contributions they made in their profession. Please contact Ed Reynolds to obtain tickets to this event.

The Meridian Convention Center is nestled between the Clarion and Hilton Hotels, just off of Meridian Avenue, just south of I-40. The easiest way to its location is to turn west from Meridian onto Enterprise Way (just south of the Hilton) and then turn north just behind the Hilton Hotel. See the map to the right for further reference.



## Central Oklahoma Section Awards

The executive committee has established seven (7) awards to recognize the section and student members who are making outstanding contributions to their section or the profession of mechanical engineering. The recipients of these awards will be recognized at the April 28<sup>th</sup> Central Oklahoma Section Meeting.

**Outstanding Engineer Award** – To be presented for outstanding professional and technical organization activities and achievements. Also considered will be community and civic activities along with awards received. The nominee must be a member of ASME.

**Minority and Women Engineer-of-the-Year Award** – To be presented for outstanding professional and technical activities by a minority or woman engineer. In addition, community and civic activities will be considered as well as awards received. The nominee must be a member of ASME.

**Outstanding Engineer-in-Management Award** – To be presented to the engineering manager deemed by the nominator to have done an outstanding job in furthering the goals of ASME and the engineering profession. The ability to select and develop engineers as well as to communicate with and motivate engineers will enter into the selection of awardee. The nominee must be a member of ASME.

**Outstanding ASME Student Member Awards** – Four awards will be made in recognition of academic achievement and outstanding service to an ASME student section. The Jerald D. Parker Award will be awarded at Oklahoma Christian University; The James H. Boggs Award will be awarded at Oklahoma State University/MAE; the Tom J. Love Award will be awarded at the University of Oklahoma & an Outstanding Student Award will be awarded at Oklahoma State University/MET.

For application and/or additional information contact: Ed Reynolds, 6507 N.W. 96<sup>th</sup> Street, Oklahoma City, Ok. 73162, Phone: (405) 721-6753, E-mail: [edwin\\_c\\_reynolds@yahoo.com](mailto:edwin_c_reynolds@yahoo.com) (Nomination deadline is March 25, 2005)

## Engineers Week '05

Engineers week is just "around the corner", so, if your schedule permits, take this opportunity to get involved with one or more of these activities, and help promote our engineering heritage:

Your first opportunity prior to Engineers Week will be the 25<sup>th</sup> Oklahoma AIAA/ASME Symposium to be held at the Advanced Technology Research Center on the Oklahoma State University campus in Stillwater on Saturday, February 12, 2005. There will be speakers from TU, ORU, OC, OU, & OSU, as well as government and industry engineers from across the state. Speakers will present a 10 to 12 minute overview of their work. It is the purpose of this gathering to provide a means for technical interchange among the engineers and engineers-to-be in our state. A wide verity of topics will be covered across the spectrum of mechanical & aerospace engineering. This Symposium encourages the widest possible participation, & you are invited to participate by chairing a session, or just attending presentations to listen & discuss the papers with the authors. Practicing engineers also will be able to earn PDH credits needed for PE registration renewal.

The next opportunity of Engineers Week will be the annual OEF Engineering Fair. It will start at 9:00AM and last until 3:00 PM in the Kirkpatrick Center (Omniplex) on Wednesday, February 23, 2005. The Engineering Fair is a very important means for reaching over 3000 secondary school students from over 100 Oklahoma schools. This is also an opportunity for our local ASME section to get these young people interested in an engineering career. Our section will sponsor the rubber band powered vehicle contest. Volunteers are welcomed to help. If you can participate in this event, please contact Wendell Cavin at (405) 348-2269.

The finale for our Engineers Week activities will be on the evening of Thursday, February 24, 2005, at the Joint Engineering Societies Banquet. The banquet is held annually to recognize/honor members of all engineering organizations across the state, as well as providing secondary school students with another view of the engineering profession. These students are invited to spend a day on the job with an engineer, then to attend the banquet. This year, the banquet will be held at the Clarion Convention Center in OKC. The speaker will be Dr. Bob Blackburn, Executive Director of the Oklahoma Historical Society, who will talk about the many technological accomplishments by Oklahomans.

## Chair's Corner

### Dear ASME-Central Oklahoma Section Members:

Our January 27<sup>th</sup> meeting was another success with 44 attendees including 9 student members. Our speaker, David Urie, Vice-President/Program Manager, Rocketplane, Ltd, made an informative and interesting presentation on Rocketplane's efforts to develop the Space Plane XP, a commercial space vehicle that will depart from the Oklahoma spaceport at Burns Flat in Western Oklahoma and take space travelers 100 Km above the Earth.

Included in this newsletter is a brief overview of planned Engineer's Week activities. I hope that you can participate in one or more of these events. Please make plans to attend the Joint Engineering Societies Banquet this month during Engineer's Week 2005 on Thursday, Feb 24, 2005. The speaker for this event is Dr. Bob Blackburn, Executive Director, Oklahoma Historical Society. The topic of his presentation is "A Story of Innovation: Exhibits planned for the new Oklahoma History Center" that includes technological accomplishments by Oklahomans. Our ASME COS has tickets for this event that need to be purchased prior to Friday, Feb 18, 2005. Further information on obtaining these tickets is provided in this newsletter.

Our ASME COS nominating committee is currently in the process of putting together a ballot for 2005-2006 Executive Committee Officers & Directors. The continued success of our ASME Central Oklahoma Section depends largely on the participation of our individual members. Our section needs volunteers to serve on the executive committee as well as help with various programs. This section has several committee slots that remain unfilled and there is always a need to expand our activities. A little of your time goes a long way to help yourself and others to take advantage of the many benefits ASME offers mechanical engineers right here in Oklahoma. If you are interested in helping our ASME section as well as a rewarding experience for yourself, then please contact me, Phone: (405) 721-6753; E-mail: [edwin\\_c\\_reynolds@yahoo.com](mailto:edwin_c_reynolds@yahoo.com), or one of our executive committee members. We look forward to your help & support.

**Ed Reynolds -- Chair**

### "Getting to Know You" – Elizabeth Schwartz



Elizabeth Schwartz began her involvement with the Central Oklahoma Section of ASME in the summer of 2004 as the section Webmaster. Later on, she also took on the role of chair of Diversity & Outreach.

Growing up as a missionary kid, Elizabeth spent the first 12 years of her life in Swaziland, Africa. Her parents had grown up in the US, but in different states - WI and MA, so in returning to the US they chose the neutral location of North Carolina. After attending high school at Williams High School in Burlington, NC, Elizabeth decided to follow in her brother's footsteps and pursue an engineering degree at Duke University.

While at Duke, Elizabeth was a member of DUMB (Duke University Marching Band) playing bells and also a part of the Wind Symphony playing bassoon. One of her most interesting and exciting classes at Duke was called Devices for People with Disabilities. Through this class, she was part of a two-member team that developed a device for a client with quadriplegia called the Head and Neck Support. This device attaches to the client's wheelchair and is a supporting headpiece that raises the client's head to an upright position. It also allows the client, with his limited movement, to adjust the device in and out of

position and use it as needed. The Head and Neck Support device won the 2003 NISH Workplace Technology Scholarship and also was the 3rd Place Winner of the 2003 University of Florida BME Design Competition. In May of 2003, Elizabeth graduated from Duke with a BS in Mechanical Engineering and Material Science.

In September of 2003, Elizabeth married Wesley Schwartz who was stationed at Goodfellow AFB in San Angelo, TX. In December of 2003, Wesley was moved to Tinker AFB and they moved to Oklahoma City. After getting settled in OKC, Elizabeth began work with Ford Audio-Video Systems in January '04. Through FAV, Elizabeth has worked on audio-video systems in many areas ranging from OSU's Lewis Field, the Hyatt Hotel at DFW Airport and Caesars Palace Convention Center in Las Vegas.

## Celebrating 125 Years of ASME

Log onto [www.asme.org/anniversary](http://www.asme.org/anniversary) for up-to-date information on events for ASME's 125<sup>th</sup> anniversary, as well as how your local section can become involved.

Events that are scheduled to take place in 2005:

- **Founders Day: February 16, Wednesday**
- **Boiler Code Day: March 12, Saturday**
- **Heritage Day: April 7, Thursday**

Other events slated to take place during 2005 include landmark designations for William Seller's Screw Threads at the Franklin Institute in Philadelphia, Pa. and the Model-T at the Henry Ford Museum in Dearborn, Mich.



## Diversity & Outreach Meeting

As part of an initiative for the committee on Diversity & Outreach, all Women members are invited to meet with each other for a luncheon in Stillwater.

RSVP: Elizabeth Schwartz, [schwartz3@asme.org](mailto:schwartz3@asme.org), 405-488-1898

**Date:** Saturday, March 5th  
**Time:** 12:30PM  
**Location:** The Hideaway  
230 S Knoblock St.  
Stillwater, OK 74074

## Future ASME-Central Oklahoma Section and Other Events

<b>Date</b>	<b>Location</b>	<b>Program Topic and Speaker</b>
February 12, 2005 (Saturday)	Advance Tech Research Ctr Oklahoma State University, Stillwater, OK	25th Oklahoma AIAA/ASME Symposium
February 23, 2005	Omniplex 2100 N.E. 52 <sup>nd</sup> Street	The "Engineering Fair" will be held Wednesday, Feb 23rd at the Omniplex in OKC, 9:00AM to 3:00PM
February 24, 2005	Clarion Conference Center 737 S. Meridian	"A Story of Innovation: Exhibits Planned for the New Oklahoma History Center" Dr. Bob L. Blackburn
March 24, 2005	Oklahoma Engineering Center 217 NE 27 <sup>th</sup> Street	TBD
April 1-2, 2005	Texas Tech University Lubbock, TX	Region X RAC Conference

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

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