



**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.

***** **January Meeting Announcement** *****

**A Joint Meeting with the Oklahoma AIAA Section featuring:
Gen. (Ret.) Jay T. Edwards – Oklahoma Space Industry Development Authority
"2001 Odyssey" -- Oklahoma's Space Port at Burns Flat**

Date: Thursday, January 24, 2002 **Place:** Oklahoma Engineering Center, 201 NE. 27th Street, OKC

Talk of supersonic flight, passages to space and sub-orbital trips are now a real possibility for Oklahomans. The Oklahoma Space Industry Development Authority (OSIDA) is working to lease the Clinton-Sherman Air Force Base for use as a spaceport. The agency's mission is to create a commercial spaceport that will facilitate Oklahoma's market position in the space industry. Efforts to date have already led to promising developments. A 168-acre space territory has been established at the Clinton-Sherman Airpark near Burns Flat, Oklahoma. The airfield features the nation's fourth longest runway, a 13,502-foot runway once used to train B-52 pilots.

More than 13 space companies are making overtures to come to Oklahoma. General Edwards believes that Oklahoma will be the first operational inland spaceport. Rocket Plane, Ltd. is very interested in sub-leasing property that would allow them to begin building and testing supersonic aircraft that will eventually fly paid customers to space. Rocket Plane, Ltd. is one of several companies vying for a \$17 million state tax credit to develop space-related operations at the airpark. OSIDA currently has a \$250,000 grant from NASA for space education, and 10 recipients have been selected.

Meeting Schedule and Contacts

Time: 6:00 - 6:30 pm Social and Registration. 6:30 - 7:15 pm Catered Dinner.
7:15 - 7:30pm Introductions and recognition of guests.
7:30 pm Gen. Jay T. Edwards: "2001 Odyssey".

Cost: \$10.00 for Senior members and guests, \$5.00 for Student members (students please bring your ASME membership card). **PLEASE PLACE RESERVATIONS BY 12:00PM (noon) TUESDAY, Jan. 22.**

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Additional January Meeting Information



General Jay Edwards (Ret.) is the Executive Director of the Oklahoma Space Industry Development Authority (OSIDA). OSIDA is a state agency created to develop a commercial spaceport that will expand and economically develop the Oklahoma space frontier with advanced spacecraft operating facilities. Prior to heading the agency, Edwards was President of the Aerospace Science and Technology Education Center.

General Edwards has previously served as General Administrator of the Oklahoma Corporation Commission, having regulatory oversight of essential utilities, intrastate transportation, and oil/natural gas production and conservation. Prior to joining the Commission Edwards was a consultant with Tennessee Associates International specializing in the implementation of Quality Management.

General Edwards was President and Chief Operating Office of CMI Corporation from 1986 to 1991. Prior to joining CMI, Jay served as Executive Director of the University of Oklahoma Energy Center. As its founding Director, he was responsible for completing the facility, establishing research programs, and acting as interface between the University and the energy industry to promote world-class research, development, and education.

Edwards spent 28-years in the Air Force, rising to the rank of Major General. In his last command he managed the Tinker Air Force Base Air Logistics Center. While serving in Vietnam Edwards flew 252 fighter combat missions earning the Silver Star, Bronze Star, three Distinguished Flying Crosses, and fifteen Air Medals. He later twice received the Nation's highest peace-time award, the Distinguished Service Medal and the Legion of Merit for outstanding service to our country.

General Edwards is a graduate of the United States Military Academy at West Point where he earned a B.S. degree in Mechanical Engineering. Jay also holds an M.S. degree in Aeronautical Engineering from Texas A&M University and a Masters Degree in Management from George Washington University in Washington D.C.

Central Oklahoma Section Awards

The Executive Committee has established six awards to recognize Section and Student members who are making outstanding contributions to their ASME Section or the profession of Mechanical Engineering. The recipients of these awards will be recognized at our April 25th 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 – Three 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; the Tom J. Love Award will be awarded at the University of Oklahoma.

For application and/or additional information contact: Ed Reynolds, 6507 N.W. 96th Street, Oklahoma City, OK 73162, Phone: (405) 721-6753, E-mail: edwin_c_reynolds@yahoo.com (Nomination deadline is March 22, 2002)

Central Oklahoma Section Officer Nominations – We Need Your Input!



It's once again time to identify **Officer and Director candidates** for service during the upcoming 2002-2003 ASME-COS program year. We've diligently strived to offer our membership dynamic, quality programs and worthwhile engineering-related endeavors. Effort last year resulted in our **Third Place finish in Region X's Thompson Traveling Trophy sweepstakes**.

We're seeking **interested individuals** to offer their help and ideas in the months ahead. Available positions include Committees, Secretary, Treasurer, Programs, and Directors. If interested please contact Curtis Vickery (580-251-3573; curtis.vickery@halliburton.com) or Doug Brown (580-531-5871; brownd919@asme.org).

Oklahoma State Board Adopts New Continuing Education Requirement for Registration



Our November 2001 Newsletter outlined new requirements being considered for Professional Registration. A public hearing on these issues was held November 29, 2001, following which the proposed changes were adopted. Many of the proposed changes were language cleanup/clarification. **The most substantive change requires Professional Engineers to show proof of continuing education** with their biennial renewal beginning July 2004. To become effective these measures must be approved by the Oklahoma Legislature and Governor. It is estimated that this process will be complete by July 1, 2002.

The continuing education initiative requires registered PEs to earn 30 Professional Development Hours (PDHs) during their 24-month renewal period beginning June 2002. Approved PDH alternatives include taking/auditing engineering-related college courses, participation in approved Professional Development seminars, technical paper composition, and active participation in professional/technical societies. Local ASME Sections will play an active role in the continuing education process.

Chair's Corner

Dear ASME-Central Oklahoma Section Members :

Our December 6th meeting at Oklahoma Christian University was attended by 25 including 7 student members. **A special thanks to David Cassel for his assistance and to the OC student members for their participation.** Also, a big thank you to **Albert Janco** for his efforts in providing a great line-up of programs this year. This month we have the opportunity to hear from **General (Retired) Jay T. Edwards**, Executive Director of the **Oklahoma Space Industry Development Authority**, on development of the **Space Port at Burns Flat** in Western Oklahoma. This will be a joint meeting with the Oklahoma AIAA Section.

As mentioned in one of our previous monthly newsletters, the Central Oklahoma Section Executive Committee would like to pursue the possibility of **having luncheon meetings in our outlying geographic areas** (i.e., Ponca City, Duncan, Ardmore, Shawnee, Weatherford, & other locations). To date, however, we have not received any response from our members to volunteer to help us plan and organize this effort. **Please reconsider this request for support** and contact me or any other Executive Committee member.

Another program goal for this program year was to **submit History & Heritage nominations for significant engineering achievement within the state of Oklahoma.** We are currently working with an outstanding Oklahoma company to achieve this goal. However, we know there are other companies in our State that have significant and unique Mechanical Engineering heritage and could be nominated and recognized for this distinctive honor. **We need help from our members to identify other potential History & Heritage sites for future nominations.** An overview of ASME's History & Heritage program is provided below. Please submit your suggestions to me or any other Executive Committee member.

Please plan to attend our monthly meeting, Thursday, Jan 24. Bring a Friend!

Ed Reynolds – Chair



MATHCOUNTS Regional Competitions February 2, 9, and 16

Volunteers are needed to help with regional MATHCOUNTS competitions during February 2002. MATHCOUNTS is an educational program for 6th, 7th, & 8th grade students sponsored by Professional Engineers (NSPE, OSPE) and the Oklahoma Engineering Foundation. Grading, Room Proctoring, and Scoring are among the duties that volunteers perform.

Central and **SW** regions are having their competitions on February 9 at OKC and Lawton respectively. **NW** and **SE** regions are having their competitions on February 16 at Enid and Wilburton respectively. For more information or to volunteer please contact **Thomas Lear**, Central Region (405-491-3741; sooner9er@hotmail.com), **Jason Brinley**, NW Region (580-234-0400; jason@enid.org), **Mark Wenner**, SE Region (918-292-3530; mark.wenner@aa.com), **Curtis Vickery**, SW Region (580-251-3573; curtis.vickery@halliburton.com), or **Alicia Helsley**, MATHCOUNTS Administrator (405-528-1435; okspe@aol.com).

HISTORY & HERITAGE – ASME LANDMARKS

ASME was founded in 1880 by prominent mechanical engineers. Today, ASME is a worldwide engineering society focused on technical, educational, and research issues. The society's History & Heritage program was established to examine, note, record, and commemorate outstanding mechanical engineering attainments worldwide. Through this program, ASME seeks to gather data on works and artifacts that are historically significant to the profession and development of our nation. The program marks sites of accomplishments, puts machinery into trust, and preserves drawings, photographs, and company/private records.

Landmark designations are the History & Heritage programs most popular activity. Generally, landmarks are distinguished by being unique, one of a kind, first ever, oldest existent, or last surviving example of a once widely used type of work. Since the first designation, ASME has recognized innovations in transportation; hydraulic machinery; steam, internal combustion, and nuclear power; manufacturing; instrumentation; heating and air conditioning; communications; bioengineering; and space technology. The program's broadest objective is to promote a general awareness of our technological heritage among engineers and to the public. This ambitious goal is achieved largely through volunteer efforts of each ASME section. The National Committee depends upon the enthusiasm of each member for ideas, discoveries, and suggestions.

Landmarks, sites, and collections in the U.S. and around the world have been designated by ASME's History & Heritage Committee. The lists below provides the number of designation landmark/sites/collections in each state/country:


U.S. Designations

Alabama – 4	Kansas – 1	North Carolina – 3	Alaska – 1
Louisiana – 2	Ohio – 14	Arizona – 2	Oregon – 1
California – 24	Maryland – 7	Pennsylvania – 15	Massachusetts – 9
Puerto Rico – 2	Connecticut – 8	Michigan – 12	Florida – 10
Minnesota – 1	Tennessee – 3	Georgia – 3	Mississippi – 1
Hawaii – 1	Missouri – 2	Utah – 2	Idaho – 1
Vermont – 2	Illinois – 4	New Hampshire – 3	Virginia – 4
New Jersey – 7	Washington – 3	Iowa – 1	New York – 16
			Wisconsin – 7

International Designations

United Kingdom – 5	Netherlands – 1	Sweden – 1	Australia – 1	Germany – 1
Switzerland – 2	Australia – 1	Japan – 1	Canada – 1	China – 1
				France – 1

Future ASME-Central Oklahoma Section and Other Engineering Events

Date	Location	Program Topic and Speaker
January 19, 2002 (Saturday)	Omniplex, OKC NE 51 st St @ M.L. King Blvd.	Future City Regional Competition Future City is a program for Middle School students sponsored by IEEE and the Oklahoma Engineering Foundation
January 24, 2002 (Thursday)	Oklahoma Engineering Center 201 NE 27 th St, OKC	Joint meeting with Oklahoma AIAA Section Speaker: Gen. Jay T. Edwards (Ret.) "2001 Space Odyssey" Development of Oklahoma's Space Port at Burns Flat
February 17-23, 2002	 NATIONAL ENGINEERS WEEK 2002 FEBRUARY 17-23	The Engineering Fair will be held Wednesday, Feb. 20 at the Omniplex in OKC, 9:00AM to 3:30PM. The AIAA/ASME Symposium will be Saturday, Feb. 23 at Oral Roberts University in Tulsa.
February 19, 2002 (Tuesday)	Oklahoma Christian Univ. Gaylord Student Center Edmond, OK	 All-Engineers Societies Banquet Speaker: Mr. Blake Wade, Oklahoma Centennial Commission: "Making Your Dreams Come True" Preparation for Oklahoma's 2007 Centennial
March 28, 2002 (Thursday)	OSU Campus, ATRC (tentative) Stillwater, OK	Program and Speaker TBA
April 25, 2002 (Thursday)	Oklahoma Engineering Center 201 NE 27 th St, OKC	Ms. Marilyn Hughes, Oklahoma Ethics Commission

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