

Executive Committee 2002 - 2003

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CHAIR'S MESSAGE

To all of our Central Ohio Section Members,

Happy New Year!

Last month, Dr. Neeraj Gupta of Battelle Labs gave a presentation in the Northwest Public Library in Worthington on the storage of carbon dioxide in Geological Reservoirs for controlling the Greenhouse Gas Emissions. Dr. Gupta is the Project Manager and Principal Investigator of a major project in West Virginia at a coal-fired plant hosted by AEP and funded by various companies. Our members enjoyed his presentation and found it very interesting and informative. We are very thankful to Dr. Gupta and the Northwest Library for helping us with this presentation.

I am pleased to be part of the Philo 6 Historic Preservation Committee. Dick Pawliger has done a marvelous job of gaining ASME Landmark Status for one of the turbine rotors from AEP's Philo 6 powerplant. Philo 6 was a technological milestone. There will be a dedication ceremony this summer, and we will keep our members advised of pertinent dates.

We could use some help on the Executive Committee. Just give me a call at (800) 654-4344, if you are interested.

Sincerely,

Bart Eckhardt, P.E.
 Chair, ASME Central Ohio Section



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Department of Aerospace Engineering and Aviation

JANUARY 16 PROGRAM

Tour of OSU Gas Turbine Laboratory

Hosted by Dr. Michael G. Dunn, Director

New technology developed at the Gas Turbine Laboratory and research facilities elsewhere is crucial to the continued success of American companies that manufacture turbine engines for commercial airliners. Advances in aircraft design and performance depend heavily on the development of better aerospace propulsion systems such as the gas turbines that power airliners. Gas turbines are also used to propel some ships and to generate electricity in stationary power plants.

The OSU Gas Turbine Laboratory (GTL) was founded in January 1996. The GTL has two unique experimental facilities; (1) a very large shock tunnel facility capable of accommodating turbines with rotor diameters on the order of one meter and (2) a spin pit facility with the capability of operating engine hardware at engine speed. The shock tunnel facility is used to perform experimental programs related to turbine heat transfer, aerodynamics, and aeromechanics. The spin pit facility is used to perform experimental programs related to compressor tip rub and blade damping as well as turbine internal heat transfer.

In almost all cases, actual engine hardware is utilized in the measurement programs and the measurements are performed with the component operating at design corrected conditions or actual engine conditions. Because of the high speed rotating equipment used in the measurement programs, the laboratory is located away from campus on the grounds of the OSU Don Scott Field.

WHO: ASME Members and Student Members

WHEN: **Thursday, January 16, 2002**

6:00 – 6:30 p.m. Introduction

6:30 – 7:30 p.m. Tour of the Facilities

WHERE: **Aeronautical / Astronautical Research Lab.,**2300 West Case Road, Columbus.

RESERVATIONS: On-line at <http://www.centralohioasme.org/MeetingReservationForm.html>, or call Anup Singh, at (614) 436-0480 or e-mail asahlawat@hotmail.com.

DIRECTIONS: From I-270, take the Sawmill Road exit, going south. West Case Road is the fourth traffic light South of I-161. Turn left (east) onto West Case Road. There is a sign "School Turn 800 Ft" and the GTL driveway is almost directly across from this school turn (on the north side of West Case). Two twin air storage tanks (painted red and white) are part of the facility. If you pass the firehouse, you have gone too far east. The door on the north side is the common entrance. The gate outside the Facility has the letter "C" on it. If you are lost or need assistance, please call 614 292-5514.

INTRODUCE A GIRL TO ENGINEERING

By Susan H. Skemp, ASME President 2002- 2003

To: Women Mentors of ASME

From: Susan H. Skemp, President

Subject: Call to Action for Engineers Week 2003



As engineers and women, we must be committed to encouraging young girls to consider engineering as a career. As president of ASME, I am conducting a series of programs with Girl Scout troops in Connecticut, Washington, D.C., and Ohio during Engineers Week 2003 (Feb. 16-22).

This interactive program is flexible and it can be conducted over a one- to two-hour period, depending on the needs of the local Girl Scout organization. It includes a 10-minute video, "Mothers of Invention," a plan for a hands-on activity that will earn credit toward the GS Patch for "Building a Better Future," some brochures and give-away items that can be left with the GS Leader and the girls in the troop as reminders of ASME and Engineers Week.

I encourage you to conduct the same program in your hometown by contacting your local Girl Scout organization. This effort is in conjunction with "Introduce a Girl to Engineering," which has been sponsored by the [National Engineers Week](#) organization over the past two years.

Sharing our personal experiences as women in engineering with our target group of Cadette and Senior Girls Scouts in grades 6-12 will help them realize the myriad opportunities available to them in our field. For example, you can discuss such topics as how you decided to become an engineer, what our educational and work experience has been, and your personal rewards from being an engineer contributing to the quality of life.

I hope you will join me in celebrating our profession and in encouraging young girls to become engineers. You can do both with this program. If you are interested in participating, ASME will provide the materials and the local GS contacts you will need to make this program happen in your home town. However, I will need your reply as soon as possible, so that we can prepare enough materials for everyone.

Please respond to president@asme.org, to be part of this exciting program. I'm looking forward to hearing from each of you!

Sincerely,
Susan H. Skemp
President, 2002-2003

The Executive Committee meets the first Thursday of every month, at the office of Robson Lapina, 434 East Rich Street, Columbus, OH 43215, (800) 654-4344. You're welcome to join!



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