



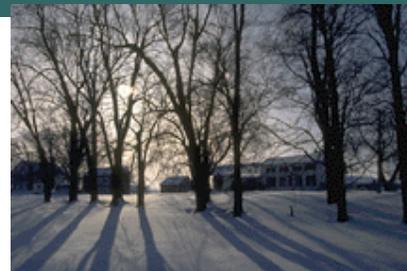
January

Knoxville - Oak Ridge Section

Of Special Interest:

- Election Results
- Plan to attend the February 7th meeting – Joint meeting with ANS.
- In March, Mark Swientoniewski will present the test results for the TSCA Incinerator

AIChE



January Meeting

Date: **1/17/06**
Location: **Buddy's Bar-B-Q
Conference Center**
5806 Kingston Pike
Knoxville, TN
(865) 588-0528

Next to Buddy's restaurant

Cost: **\$18.00**

For reservations, please call 574-6984
Linda Puckett at (puckettlf@ornl.gov)
or Betty Frazier at 974-2421
(bfrazier@utk.edu)

by **Tuesday, 1/17/06**

The Section will subsidize up to 15 students.

Agenda

5:30 p.m. Executive Committee meeting - (all members welcome)

6:00 p.m. Dinner – Pork BBQ and Honey Pecan Chicken, plus salad, green beans, roasted potatoes, and dessert.

7:00 p.m. Program – **Mercury Target System For The SNS**

Individual Highlights:

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The Mercury Target System For SNS

Tom McManamy, Oak Ridge National Laboratory

The Spallation Neutron Source has the goal of becoming the world's leading research facility utilizing neutron scattering for research. The principal components are a front end producing negative hydrogen ions, a linear accelerator which produce a 1.4 MW beam of 1 GeV protons, a storage ring which compresses the beam in time into short (micro second) pulses at 60 hz, a target system to convert the protons into useful neutrons and the neutron scattering instruments. Tom will describe the design, installation and initial testing of the target system components. The major subsystems are a flowing mercury target, a moderator/reflector assembly, 5 meters of iron shielding around the target, cooling, and remote handling systems. The project started in 1999 and the first beam on the mercury target is expected this April.

About the Speaker

Dr. Thomas J McManamy is the lead engineer for the SNS Target System, and has been with the SNS project for over seven years. Dr. McManamy holds a Ph.D. in nuclear engineering from MIT, and has been at ORNL since 1979. He has previously worked on the Advanced Neutron Source and various fusion energy projects.

Section Officers

Chair:	Ben Lewis	574-4091	lewisbejr@ornl.gov
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Congratulations to the new officers for 2006.

Sponsoring Opportunities

The Knoxville Section is looking for individuals or corporate sponsors to provide student meals at Section meetings. The sponsor will be recognized at the meeting and in the Newsletter. The cost to sponsor one meeting is \$200. It's a great way to encourage students to attend the local meetings and become future members in the Institute!

Conferences and Meetings

April 23-27

2006 Spring National Meeting
Orlando, Florida

April 23-27

World Congress on Particle
Technology
Orlando, Florida

June 11 - 14, 2006

Process Development Symposium
Doral Desert Princess Resort,
Palm Springs, CA

November 12-17

2006 Annual Meeting
San Francisco, CA



Dear Local Section Chair,

We are excited to announce that the reengineered AIChE Web site, www.aiche.org, successfully launched on Friday, November 18. We hope you find it easy to use, with improved navigation and search functions, and more focused on the user. For instance, there is now a Member Center that has quick links to benefits like insurance, CEP, and a searchable member directory. There are also separate navigation tabs for Local Sections, Divisions/Forums, and Committees.

In creating the new site, we added pages, moved others, and removed some altogether (we had more than 2500 Web pages on our old site!). This may impact your Local Section's Web site. If you have linked to a www.aiche.org Web page that has moved to a new spot, you'll need to create a new link. We suspect that there may be a number of pages which will require new links.

If you have trouble finding the corresponding Web page on the new site, we can help. To help, we'll need the exact address or URL of the old link (you can find this by right clicking on the link and looking under "properties"...it will look like www.aiche.org/mag/localsections.htm). Please also identify what information on the page you want to link to since some pages covered more than one topic. Email your list of "lost" links to Anette Ngijol at anets@aiiche.org.

We hope you like the new site. Happy surfing!

Bette Lawler
Director of Operations
AIChE



AIChE
Knoxville - Oak Ridge
Section

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AIChE
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Essential

We're on the Web!

<http://www.ornl.gov/sci/aiche/>

Upcoming Meetings

Date	Time	Topic	Speaker	Location
7-Feb	6:00 PM	Joint w/ ANS TSCA Incinerator Test Results	Bob Wham Mark	TBD
17-Mar	11:30 AM	Joint w/ AWMA	Swientoniewski	Sagebrush
20-Apr	6:00 PM	Student Awards Chemistry for Engineers	Design Teams Sandra Dudley Lipscomb University	University Club TBD

Save us the Cost on Mailing

If you would like to save us the cost of mailing a hard copy of the Newsletter to you, please provide us with an email address. If you change email addresses, let us know so that you will receive future electronic copies. Contact Linda Puckett (puckettlf@ornl.gov) for more information.

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From Our Organization...

AIChE is the world's leading organization for chemical engineering professionals, with more than 40,000 members from 93 countries. AIChE has the breadth of resources and expertise you need—whether you're in core process industries or emerging areas, such as nanobiotechnology. As a member,

you can access information on recognized and promising chemical engineering processes and methods. A global network of intelligent, resourceful colleagues and their shared wisdom. Learning opportunities from recognized authorities. All of which can help you move forward professionally

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