



Rocky Mountain AICHE News

October 2003

Volume 13 Number 2

October Section Meeting: Electron Spin Resonance (ESR) Technology – Practical Application in the Brewing Process

Bob Foster received his B.S. in Chemistry in 1972 from Rockhurst College in Kansas City, Missouri. He joined the Coors Brewing Company in 1974 and has worked in brewing research and quality assurance. Currently, Bob is a Manager of Flavor Stability and Chemistry in the Brewing Services Department. During a two-year absence and a full time employee, Bob also received a Ph.D. in Brewing from Heriot-Watt University in Edinburgh, Scotland in 1997. Bob has been involved in hops, flavor stability, and brewing and packaging oxidation research. He is a member of the American Society of Brewing Chemists, the Institute and Guild of Brewing - Scottish Section, and the Master Brewers Association of the Americas. Bob has published reports on hops and flavor research in the Journal of the American Society of Brewing Chemists, the Technical Quarterly of the Master Brewers Association of the Americas, and the Journal of Agricultural and Food Chemistry. Along with his Ph.D. thesis publication, Bob has a U.S. Patent on a process for the isomerization of alpha acids. Recently, Bob has received the 2002 Eric Kneen Award from the American Society of Brewing Chemists for his World Brewing Congress 2000 paper.

Adolph Coors Company, founded in 1873, is ranked among the 500 largest publicly traded corporations in the United States. The principal subsidiary is Coors Brewing Company, the nation's third-largest brewer. The company also owns the second-largest brewer in the United Kingdom, Coors Brewers Limited (CBL). At present, Coors is ranked as the eighth-largest brewer on a volume basis.

Throughout its history, Coors has provided consumers with high-quality malt beverages produced using an all-natural brewing process and the finest ingredients available. The product portfolio includes Coors Light

October Section Meeting

- Speaker:** Mr. Bob Foster
Manager of Flavor Stability and
Chemistry in the Brewing Services Dept
- Topic:** Electron Spin Resonance (ESR)
Technology - Practical Application in
the Brewing Process
- Date:** Tuesday, October 21st
- Time:** 5:30 VIP Tour begins
6:45 Dinner (2nd floor lounge)
7:30 Presentation (6th floor
auditorium)
- Tour Location:** Coors Brewery
13th and Ford Street
Golden, CO
- Cost:** Non-Members: \$8
Members: \$5

Please RSVP by **Friday, October 17th**. Indicate your name, phone number, and number of attendees by e-mailing Glenn Sprenger at Glenn.Sprenger@VECO.com. Alternatively, you may leave a voice mail for Glenn at 303-938-6642.

(continued from page 1)

(the fourth-largest-selling beer in the US), Coors Original and nearly a dozen other malt-based beverages, primarily premium and super premium beers.

Coors products are available throughout the United States and in more than 30 international markets in North America, Latin America, the Caribbean, Europe and Asia. Our corporate headquarters are in Golden, CO. Other US brewing and packaging facilities are located in Elkton, VA., and Memphis, TN., while the CBL division also runs three breweries in the UK.

In addition, Coors owns major facilities in Colorado to manufacture aluminum cans and ends, as well as bottles, and is a partner in ventures that operate these plants.

NEWSLETTER GOES EXCLUSIVELY ELECTRONIC

In an effort to reduce costs and simplify production, the Officers of the Section have requested that ALL members of the Section receive the newsletter by E-mail beginning in January 2004. Currently over 2/3 of the members receive the newsletter by E-mail, yet we are still printing and snail-mailing about 200 hardcopies every month at considerable expense. Members in our E-mail database receive the newsletter earlier than hardcopy recipients, and also periodically receive E-mail announcements relevant to the Section membership. If you are receiving this newsletter in hardcopy, please send your name and your E-mail address to mmoes@ekiconsult.com to be added to our E-mail database for electronic newsletter delivery. The newsletter is delivered in Adobe Acrobat (.pdf) format and can be read with the free Adobe Acrobat reader software available at adobe.com.

We recognize there are probably a few members that do not have E-mail service. If that is the case for you, please call Mike Moes at 303-796-0535 to request continued hardcopy delivery of the newsletter. If we do not receive your E-mail address or hear from you, we will be calling (please save us the effort!).

HYDROGEN INFRASTRUCTURE INVESTMENT ROUNDTABLE

October 8-10, 2003

The Brown Palace and the Pinnacle Club

**Full registration details can be found at
www.montreuxenergy.com**

HYDROGEN EDUCATION TOUR Colorado Convention Center October 10-12, 2003

"The Hydrogen Education Tour is a first-of-its-kind exhibit that will bring intellectuals, influencers, and the public together to learn about hydrogen and its implications for our future."

-Andrew Bermingham, president & CEO of HydrogenWorks

Sponsored by: FORD, NREL, the Colorado School of Mines, and the Governor's Energy Office

Organized by HydrogenWorks, the Hydrogen Education Tour is a nationwide tour demonstrating hydrogen production, storage and infrastructure, safety, and fuel cell applications, including:

- Ford's hydrogen prototype Model U and Fuel Cell vehicles
- NREL's Education Outreach Vehicle & fun experiments for kids
- Hydrogen-powered forklifts from General Hydrogen
- H2Gen's natural gas hydrogen reformer
- Proton Energy's renewable electrolyzer

TOUR AGENDA:

- Friday, Oct 10: Educator & Student Day: 10 am to 4 pm: Free Admission for Educators and Students!
- Friday, Oct 10: PROFESSIONAL NETWORKING EVENING: 4:30 pm - 7:30 pm Sponsored by BP. Tickets: \$45 (space limited, register online)
- Saturday, Oct 11: 10am - 5pm Open to the public, Tickets: \$8 (\$6 online)
- Sunday, Oct 12: 10am - 5pm Open to the public, Tickets: \$8 (\$6 online)

More info and online registration: www.hydrogen.com

AIChE Meetings

2003

Nov 16-21 2003 Annual Mtng
San Francisco, CA

2004

Apr 25-Apr 29 2004 Spring Nat'l
New Orleans, LA

May 3-6 Offshore Tech.
Houston, TX

June Process Develop.
Symposium
Chicago, IL

Sept 20-23 Safety in
Ammonia Plants
Denver, CO

Oct 7-8 Engineering &
Construction
Contracting
Colorado Spg, CO

Nov 7-12 2004 Annual Mtg.
Austin, TX

For further information, contact
National AIChE.

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|------------------|------------------------|--------------|
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Rocky Mountain AIChE News is published eight times a year by the Rocky Mountain section of AIChE. Opinions expressed herein are those of the authors and are not necessarily those of AIChE nor the officers of this section.

The objectives of AIChE are to advance chemical engineering in theory and practice, to maintain a high professional standard among its members, and to serve society, particularly where chemical, engineering can contribute to the public interest.

LOOKING FOR AN EMPLOYEE??

If you have a position open for a chemical engineer, send a notice to mmoes@ekiconsult.com and we'll post it in the newsletter and on the website (aiche-rm.org).

Articles for Upcoming Newsletters

Please submit articles for future newsletters to the editor at mmoes@ekiconsult.com. Let us know of interesting technical items you're working on or are familiar with, what is happening in the Chemical Engineering programs or AICHE Student Chapters at the universities in the Section, unique and useful web sites, or any other information your fellow Section members may find of interest.

IMPORTANT NOTICE

**This newsletter will be distributed via
EMAIL ONLY after January 2004. Send
your E-MAIL address to
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newsletter electronically!**

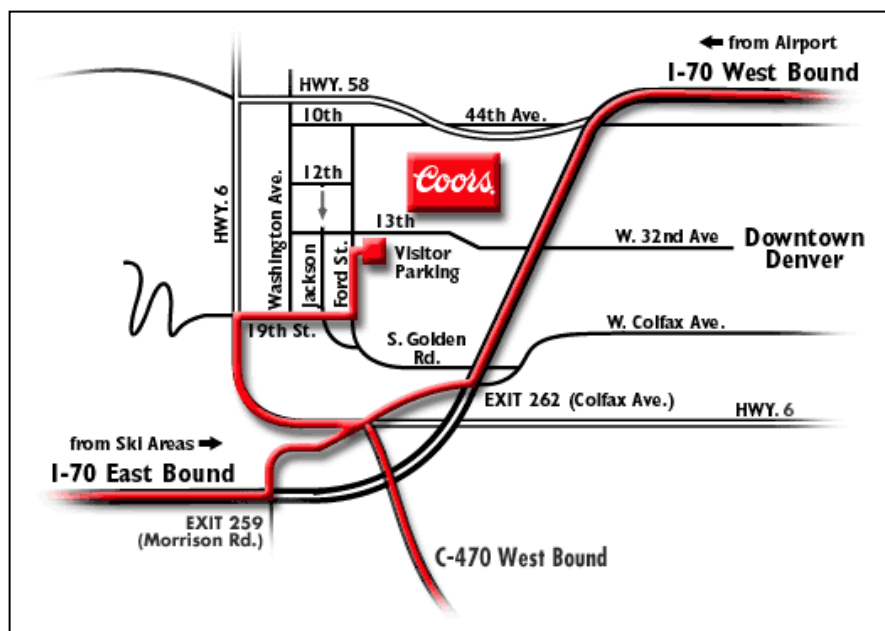
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<http://www.aiche-rm.org>

**** IMPORTANT NOTICE ****

*This newsletter will be distributed via email
ONLY after January 2004. Send your
E-MAIL address to mmoes@ekiconsult.com
to receive this newsletter electronically!*



**Meet in the
Main
Lobby at
the front of
the Coors
Brewery at
5:30 p.m.**