

# The CSRA Chemist

Savannah River Section  
of the

American Chemical Society



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**Professional Society Meeting**

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**PERIODIC FUN,  
Wednesday, March 22,  
Dr. Al Hazari, Univ. of Tenn.**

The American Chemical Society, Savannah River Section will hold a dinner meeting at USC Aiken, Wednesday March 22<sup>nd</sup>. A social will be held at 6:30 pm with dinner following at 7:00 pm in **Rm 122 of the Conference Center**. The talk will follow at 8:00 in the **Life Sciences Room (117) in the Ruth Patrick Center** (short walk across the parking lot). ACS members, non-members, students, and guests are invited to attend. Please contact Sonia Bronikowski (803)-642-5337 for reservations. Reservations are due by 12:00 noon, Friday March 17<sup>th</sup>.

Buffet dinner includes, House Salad, Jamaican Jerk Chicken, Roast Pork Loin with Dressing, Steamed broccoli, Corn, Roasted new potatoes, ice tea, coffee, and Pecan pie (\$15 per person).

## Sermacs 2006 Update

For SERMACS 2006, the ACS Division of Nuclear Chemistry and Technology, organized by David Hobbs of SRNL, has planned three symposia.



### **Recent Developments in Nuclear Fuel Cycle Processing (T. Rudisill - SRNL)**

The implementation of new fuel cycles will require the development of advanced separation processes for the purification and isolation of both actinide and fission product elements. This session invites the submission of papers that presents recent developments in the areas of nuclear materials processing associated with advanced fuel cycles, separation and purification methods, and conversion to final product or storage forms. For additional information for this session, please contact Tracy Rudisill ([tracy.rudisill@srnl.doe.gov](mailto:tracy.rudisill@srnl.doe.gov))

### **Radiochemical Separations in Nuclear Technology (M. Barnes - SRNL and L. Delmau - ORNL)**

This session is focused on recent advancements and applications of fundamental and applied methods employed in nuclear separations. Abstracts for oral presentations on adsorption and ion exchange, solvent extraction, membrane separations, and Department of Energy applications are requested. For additional information for this session, please contact Mark Barnes ([mark.barnes@srnl.doe.gov](mailto:mark.barnes@srnl.doe.gov)), or Lætitia Delmau ([delmaulh@ornl.gov](mailto:delmaulh@ornl.gov)).

### **Recent Developments in Nuclear Medicine (D. DiPrete - SRNL)**

The symposium will cover developments over a broad spectrum of nuclear medicine advances, including radionuclide production, radiochemical production, latest advances in radiopharmaceuticals research, and imaging techniques in radiation therapy, etc. For additional information for this session, please contact David DiPrete ([david.diprete@srnl.doe.gov](mailto:david.diprete@srnl.doe.gov))

For more information on these three or other planned symposia please contact David ([David.Hobbs@srnl.doe.gov](mailto:David.Hobbs@srnl.doe.gov)) or for general information see the SERMACS 2006 web site ([www.SERMACS2006.org](http://www.SERMACS2006.org)).

## From the Chair

We have a very exciting year coming up in the Savannah River Section, and I look forward to some quality time with each member. I would like to hear from you regarding both participation in local Section activities, as well as SERMACS. We have many loyal members who come to every meeting, and I would like to hear suggestions for how to improve our meetings; what are we doing right, and what are we doing wrong? I would also like to hear from those that attend meetings occasionally or not at all; what can we do to interest you enough to come to all meetings, and maybe even volunteer for an event? I would like to hear from everyone. Are the meetings at convenient times? Are meetings too expensive? Are topics interesting? Whatever is on your mind, I would like to hear from you. Further, are there some events that you would like to help out with, and do you have any interest in helping with SERMACS? This is a very big year for us, on the eve of our golden anniversary. **I want to make your ACS membership more than just dues you pay each year. Please contact me at [daniel.mccabe@srnl.doe.gov](mailto:daniel.mccabe@srnl.doe.gov), or evenings at 706-736-0479.**

Thank you, Dan McCabe

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**The Programming Committee for SERMACS 2006 meets monthly and welcomes your participation. Contact Tom Crute, General Programming Chair for more information ([tcruise@aug.edu](mailto:tcruise@aug.edu)).** The Savannah River Section of the American Chemical Society (ACS-SR) is hosting SERMACS 2006 in collaboration with the Central Savannah River Section of the American Institute of Chemical Engineers (AIChE). The meeting is scheduled for November 1-4, 2006 at the Augusta Marriott Hotel & Suites and Convention Center. WGI/SRNL is a sustaining sponsor for this meeting.

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### Join the Fun Run - ACS National Meeting

If you plan to be at the ACS National Meeting in Atlanta, GA, please participate in the 5th annual YCC Fun Run at Piedmont Park, 2 miles northeast of downtown Atlanta. Healthy scientists are happy scientists, so come and stretch your tired legs and join fellow chemists for the annual Younger Chemists Committee 5K Run/1.5 Mile Walk. Bus transportation from the Georgia World Congress Center to the park will be available. Register by March 10 to take advantage of the early registration fee (\$25) and to receive a free T-shirt. After March 10, the registration fee is \$35. Registration forms and details are available at [http://acswebcontent.acs.org/nationalmeeting/atlanta2006/YCC\\_reg.pdf](http://acswebcontent.acs.org/nationalmeeting/atlanta2006/YCC_reg.pdf).

**ABOUT the March Tour Speaker**

**The speaker Dr. Al Hazari, from the University of Tennessee is the director of undergraduate chemistry labs in the Chemistry department and teaches science method courses in the College of Education. He will give a talk entitled, "Periodic Fun". He will discuss various periodic tables starting with (pre-Mendeleev) tables and continue through the different modern ones. One can compare these to the periodic table present in the lobby of the Ruth Patrick Center.**

Dr. Al Hazari

Director of Undergraduate Chemistry Laboratories

Assistant Professor of Science Education

University of Tennessee

A 2000 recipient of the ACS Helen M. Free Award for Public Outreach and the 2002 Science Educator of the Year awardee from the Tennessee Science Teachers Association, Al Hazari, a native of Lebanon, attended the American University in Cairo and received a B.S. degree in chemistry in 1968. He also holds an M.S. degree in chemistry (1972) from Youngstown State University (Ohio) and a doctorate in science education (1997) from the University of Tennessee, Knoxville. From 1968 to 1971, Al taught middle and high school science, math, and chemistry here and overseas. He was a chemistry instructor and lab coordinator at Tougaloo College in Jackson, Mississippi, from 1973-76. This was followed by a 15-year stint as instructor in chemistry and director of labs at the University of Mississippi in Oxford. In 1991, he joined the University of Tennessee, Knoxville Chemistry Department as director of the undergraduate chemistry labs. In addition to his current appointment, Al is also an adjunct assistant professor of science education and regularly teaches science methods courses in the College of Education. Al has always been very excited about sharing his scientific and chemical knowledge with K-16 students and teachers. He has received many grants from government agencies, industry, and various organizations to improve undergraduate chemistry lab instruction and also to support precollege hands-on science and chemistry school visits and teacher workshops. Al is a very active member of the East Tennessee Section of the American Chemical Society. He is an affiliate of the Institute for Chemical Education and a member of the National and the Tennessee Science Teachers Associations. He has made several presentations and given talks to local, regional, and national chemical and science education conferences.

## **2005 Denise Creech Outstanding Chemistry Teacher Award**

The 2005 Denise Creech Outstanding Teacher Award is awarded to Ms. Kacee Poppy of South Aiken High School. Ms. Poppy is recognized for her effectiveness in teaching chemistry to all levels of tech prep through honors chemistry. She prepares unique lesson and lab plans as alternative to routine chemistry textbook material. Ms. Poppy offers many hours of her time to tutor her students and is involved in other school activities such as year book publication, Freshman class advisor, and mentor to new teachers. In addition, she donates her time to the Savannah River Ecology Lab Outreach program, Science Education Day and SRS Safety Awareness and to the Jefferson Elementary Science Night.

Ms. Poppy will be invited to the March local section dinner/talk at USC-Aiken for presentation of a plaque and the \$100 cash award.

Other finalist for the 2005 award included chemistry teachers from Aiken County's Midland Valley High, Augusta/Richmond County's Westside High and Swainsboro High in Emanuel County, GA. For more information on the Denise Creech Outstanding Chemistry Teacher award, go to <http://acs-sr.home.mindspring.com/Pages/CreechAwardList.html>

Charles Crawford

2006 Schedule of Events

Speaker/Event	Date	Location	Topic	Lead
Creech Award Presentation	3/22/06	USCA Ruth Patrick	Teacher Award	Crawford
Al Hazari (Univ. of Tennessee)	Wednesday 3/22/06	USCA Ruth Patrick	Periodic Fun	Bronikowski
ACS National Meeting	3/26-30/06	Atlanta		
Chemistry Olympiad	April	USCA		Fetterolf
ACS National Meeting	9/10-14/06	San Francisco		
CSRA College Night	September	Augusta Civic Center		Myers
Creech Award	Sept - Dec		Coord. & Selection	Barnes
Science Education Enrichment day (SEED)	October	USCA		Barnes
Tracy Hamilton (Univ. Alabama- Birm.)	Wednesday 10/11/06	Aiken	Zymurgy	Bronikowski
National Chemistry Week	10/18- 23/06	Ft. Discovery/ Other Venues		Trammell
ACS-SR Elections	October			Barnes
SERMACS 2006	11/1-4/06	Augusta Radisson Riverfront		Bannochie
Awards & Wine/Dinner/Other	December	TBD		Bronikowski

Please send your suggestions for tours and speakers to Mike Bronikowski

**Notes sent to the Editor:**

**1. Please remind members that section dues are going to help pay for SERMACS this year. The ten dollars dues are voluntary but greatly appreciated by the section.**

**2. In case you missed an earlier newsletter or just want to know more about the section activities go to:**

[www.acs-sr.org](http://www.acs-sr.org)

**SERMACS 2006 – Augusta, GA**

November 1-4, 2006

*“Linking Chemistry in the Southeast”*Web: [www.sermacs2006.org](http://www.sermacs2006.org)Email: [sermacs2006@srs.gov](mailto:sermacs2006@srs.gov)**SERMAC Contacts:**

Chris Bannochie bmerup@comcast.net (803) 725-8088

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or go to <http://www.acs-sr.org>**