

The CSRA Chemist

Savannah River Section
of the

American Chemical Society

Vol. 45



No. 5

Inside This Issue:

Ballot --- PLEASE VOTE!

October 17, 2002 Meeting

November 12, 2002 Meeting

NATIONAL CHEMISTRY WEEK

October 20 - 26, 2002

Calendar of Events

- October 10 "Wow! So this is Chemistry!"
Augusta State, contact- Dr. Tom Crute
- October 12 Science Education Enrichment Day
Univ. So. Carolina - Aiken, 10 am - 3 pm
- October 17 DINNERMEETING
Guest Speaker: Prof. David Hercules, Vanderbilt U. -
"Analyses of Surfaces" ,
Washington Hall Tower, Augusta State
- October 20-25 National Chemistry Week --
"Chemistry Keeps Us Clean"
- Nov. 13-16 54th SERMACS - Regional Meeting, Charleston, SC.
information at <http://sermacs2002.cofc.edu/>
- Nov 12 DINNERMEETING
Guest Speaker: Dr. Carl Fliermans,
"Marvelous Microbes: From Hot Springs to Hot Lakes,
Hot Rocks, Hot Rods and Beyond."

Section Contacts

Position	Name	Email	Work Phone
Chair	Steve Serkiz	steven.serkiz@srs.gov	(803) 725-5422
Chair Elect	Tom White	thomas02.white@srs.gov	(803) 725-1963
Immediate Past Chair	Rob Lascola	robert.lascola@srs.gov	(803) 725-2380
Treasurer	Eric Zuckerman	ezuckerman@aug.edu	(706) 667-4513
Secretary	Linda Baker	linda.baker@srs.gov	(803) 952-4272
Councilor	Chris Bannochie	bmerup@mindspring.com	(803) 725-8088
Alt. Councilor	Stephanie Myers	smyers@aug.edu	(706) 667-4514
Career Development	Tom Crute	tcrute@aug.edu	(706) 667-4517
Membership	Joe Krupa	joseph.krupa@srs.gov	(803) 725-5346
Public Relations	Charles Crawford	charles.crawford@srs.gov	(803) 725-8049
Olympiad Co-chair	Monty Fetterolf	montyf@aiken.sc.edu	(803) 648-6851
Olympiad Co-chair	Cathy Cobb	ccobb@aug.edu	(803) 642-7125
National Chem. Week	Bill Trammell	w.trammell@att.net	(706)854-0090
Industrial Relations	Roy Beck	roy.beck@srs.gov	(803) 208-6478
Technician Affiliates	Bertha [Bert] Carter	bertha.carter@srs.gov	(803) 725-3953
Distributions - Email	Lewis Baylor	ldbaylor@knology.net	(803) 642-3090
Publications	Bill Spencer	william02.spencer@srs.gov	(803) 725-5256
Webmaster	Jessica Coughlin	patchcs@mindspring.com	

WEBSITE: <http://acs-sr.home.mindspring.com>

Savannah River Section
of the
American Chemical Society

Invites You to the October Meeting

Guest Speaker:
Professor David Hercules,
Vanderbilt University

Analytical Chemistry of Surfaces

Place: Augusta State University, Washington Hall Tower.
The tower is in the older part of the campus. It is the first large building on Katherine Street coming from Walton. Look at the ASU web site, www.aug.edu if you need a map.

Time: 6:45 pm, Thursday, October 17, 2002,

Details: Dinner will start at 7:00 pm, (\$15.00, Students-\$10.00 students)

Lecture will start about 8:00 pm after dinner, Candidates for Section officers will be introduced and ballots collected, see candidates/ballot information in the newsletter.

Please contact: Ms. Glenda Blystone @ 803/725-2605 by 4 pm Tuesday October 15 so we can turn in a head count to ASU.

"A variety of modern spectroscopic techniques are available for the analysis of surfaces. These techniques probe surfaces with beams of photons, ions, or electrons and measure particles emitted from the surface. The spectroscopic techniques is surface sensitive for one of two reasons: 1) the escape depth of particles or photons is limited by the basic physics of the process; or 2) it is possible to sort out the signal from surface species in the presence of a signal from the bulk. Two- and three-dimensional imaging of surfaces continues to assume increasing importance in studies of chemical systems. Some examples will be presented to contrast techniques with regard to the above."

VOTE! VOTE!

The Nomination Committee, chaired by Robert Lascola, the immediate past chair, submits the following slate of candidates for consideration. You may also offer a write-in candidate on the ballot. Please check with the write-in for agreement to serve if you submit their name.

Official Ballot

Circle or Write in Your Choice

Chair-Elect:

Charles Crawford

write in: _____

Treasurer:

Eric Zuckerman (incumbent)

write in: _____

Secretary:

Linda Baker (incumbent)

write in: _____

Ballots should be taken to the October 17th meeting or mailed to Dr. Robert Lascola, Westinghouse Savannah River Co., Bldg 773-41A, Aiken, SC 29808.

About the Nominees ...

Charles L. Crawford

Charles Crawford graduated from the University of North Carolina, Chapel Hill, NC, with B.S. Chem in 1986 and then earned his Ph.D. in physical chemistry in 1991 from University of Florida, Gainesville, FL. His research was in the area of radiation chemistry, studying the effects of ionizing radiation on chemical systems. Crawford was initially hired as a Post-Doctoral researcher at the Savannah River Technology Center and is now a staff researcher in the Immobilization Technology Section of SRTC. His areas of interest are nuclear waste characterization, immobilization of nuclear wastes, and wastefrom product testing for durability and leaching characteristics. Charles Crawford served as the section's coordinator for National Chemistry Week in late 90's. He has been the public relations chair for the local ACS Section for the last two years.

Eric Zuckerman

Eric Zuckerman is the new physical chemistry professor at Augusta State University. His focus has been on improving undergraduate PChem labs converting them from traditional based designs to more modern ones that force the students to cope with the digital world. His students are quickly becoming experts in programs like LabView and interfacing data collection to their computers. Zuckerman obtained his Ph.D. from Purdue University where he studied free radicals using laser spectroscopy. Zuckerman is the current treasurer for the section.

Linda Baker

Linda B. Baker is an nuclear chemist with a variety of experiences. Most of her professional life has been spent at Westinghouse Savannah River Site where she has worked for the past 23 years.

Linda received her BS degree from Bennett College and her MS degree from the University of Pittsburgh. At Westinghouse, she has been involved in nondestructive assay of waste, metals, oxides and scrap materials in the FB-Line facility using gamma, neutron and calorimetric systems. As a part of her recent activities, she has coordinated the installation and setup of a state of the art neutron multiplicity counter for measurement of metals and other materials in FB-Line.

Baker has served the section as secretary for several years.

November 12 -- Awards and Dinner Meeting

The American Chemical Society (ACS) is sponsoring Carl Fliermans at Augusta State University (ASU) on November 12, 2002. The title is "Marvelous Microbes: From Hot Springs to Hot Lakes, Hot Rocks, Hot Rods and Beyond." This dinner will also be our awards dinner.

Dinner starts at 7:00 pm (\$12.00; \$5.00 for students) and the lecture starts at 8:00. For reservations, please contact Glenda Blystone at 803-725-2605 by 4 pm Monday, November 11, 2002.

What is S.E.E.D?

S.E.E.D. or Science Education Enrichment Day is a cooperative effort between public schools, [USC-Aiken](#), the [Ruth Patrick Science Education Center](#) at USC-Aiken and the community to provide stimulating and relevant science experiences for upper elementary and middle school students. It is a one day event that allows students to take a self-guided, hands-on tour through a variety of motivating science activity stations. The event involves not only students, but also their parents, teachers, scientists, engineers, medical personnel, and other related professionals.

January is Jeopardy? In Aiken?

If you have comments for the section newsletter please send them to WSPENCER2@mindspring.com. If you have meeting suggestions please let TomWhite know. Be sure to check out the section web pages at <http://acs-sr.home.mindspring.com>

National Chemistry Week 2002

October 20-26, 2002, "Chemistry Keeps Us Clean"

For the past few years Bill Trammell has coordinated and lead the section in National Chemistry week activities from his Fort Discovery volunteer position. Many of us have taken his contribution almost for granted. Unfortunately, this year Bill was needed in Florida to help a son recover from an auto accident. In the meanwhile, section members have an opportunity to promote chemistry in our community and to initiate some activities in their companies or communities.

National Chemistry week, Oct. 20-26, is a chance for all of us to promote our profession. The theme this year is "Chemistry Keeps Us Clean". The section officers are aware that there will be several activities near and around the dates by section members. We, therefore, did not have a tightly focused effort for National Chemistry Week but rather for the month. Augusta State University will be presenting "Wow, this is Chemistry" to Augusta area 6th graders on Oct. 10. USC-Aiken will sponsor SEED on Oct. 12, which seeks to introduce science professions to Aiken County students. The chemistry faculties of both school are heavily involved in these activities.

Fort Discovery is planning several activities for National Chemistry week by working with local chemical industries. For example, Bev Liscomb of Air Products will be coming with a team to do one day demos on slime. We believe that P&G will have some activities on the clean theme. Many of us that work at the Savannah River Site feel that this years theme is actually their full time job. We spend our whole career simply trying to use chemistry to clean up. Hopefully, we can share this with our community. The National ACS is sponsoring some activities such as a K-12 poster contest. Generally those activities are only as successful as the local involvement.

Please, join with chemists across the country as they share the chemical story of the relevance of chemistry to cleaning by conducting presentations, demonstration shows, and hands-on activities for the public. Consider becoming involved in the unifying event for NCW 2002, "Chemistry Makes Cleaning Possible" a personal hygiene collection campaign to benefit local charities. For more ideas and information about NCW, call 1-800-227-5558 ext. 6097 or visit the website at <http://chemistry.org/ncw>.

[Editorial by W. Spencer based on email from Bill Trammell]

American Chemical Society
Savannah River Section
c/o Lewis C. Baylor
Equitech Int'l Corp.
903 Main Street South
New Ellenton, SC 29809

NONPROFIT
ORG
U.S. Postage
PAID
Augusta, GA
PERMIT NO. 346

Please Do Not Delay - Contains Dated Announcements

Address Service Requested

To receive The CSRA Chemist and other section announcements by email,
please contact ldbaylor@knology.net
or go to <http://acs-sr.home.mindspring.com>