



The CSRA Chemist

SAVANNAH RIVER SECTION
OF THE
AMERICAN CHEMICAL SOCIETY

Volume 42

Number 5

INSIDE THIS ISSUE

- A Cry For Help!
- SEED Is Coming!
- Section Elections - VOTE!!!!!!
- October Meeting: "Wines of Italy" Wine Tasting and Awards Ceremony
- September Meeting Review
- Arts In The Heart Review
- *The CSRA Chemist* - Get It By Email!

VOTE!

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The CSRA Chemist

Editor: Lewis C. Baylor

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The CSRA Chemist: This newsletter is published six times per year by the Savannah River Section of the American Chemical Society. Circulation is 300 per issue. Opinions expressed by the editor or contributors do not necessarily reflect the official position of the Section.

Mailing Address: Savannah River Section - American Chemical Society, c/o Lewis C. Baylor, Equitech Int'l Corp., 1359 Silver Bluff Rd., Ste. G6, Aiken, SC 29803. All newsletter articles should be sent to this address. All subscriptions, ads, and payments should be sent c/o Brian Anderson.

Advertisers: Brian Anderson is the Advertising Manager. The current ad prices are as follows: Full page (4.5" x 7") for \$100, Half page (4.5" x 3.5") for \$65, Quarter page (2.25" x 3.5" or 4.5" x 1.75") for \$40 and Business Cards (2.25" x 1.5") for \$15. We cannot accept ads that are larger than these size requirements. Send your camera ready art or computer diskette and payments to the mailing address above c/o Brian Anderson. The deadline is three weeks prior to the meeting date.

Member Profile(s): Joe Krupa is Chair of the Membership Committee. This topic is a regular feature in the newsletter. The profile should include: education, experience, accomplishments, hobbies and family items. To be featured, please send a 450 or less word profile, along with your phone number, to the mailing address above. Profiles will be selected by the chairperson and printed in the order received.

Meeting Announcements: *The CSRA Chemist* will announce scientific meetings of interest to chemists and chemical engineers (when space is available). For information and deadlines, contact Lewis Baylor.

Change of Address: Send new address and member number to address above and ACS, PO Box 3337, Columbus, Ohio 43210. You may also send e-mail to service@acs.org.

Years of preparation but the finish line is lost!

The coaches had been working for years to reach the ultimate goal. Everyone knew the day would come when his/her metal would be put to the test, but it was a shock to see the outcome. The training had been difficult for some, while others found it rewarding. The abilities of each member had been tried and tested over the years, defining areas of strength and weakness in preparation for the event. It seemed like the time had been well spent, but the outcome was marginal at best. Perhaps the training could be altered and change the outcome next year. A cry went to the community. Who will help?

Richmond County Instructional Services is sponsoring a Coaches' Board to advance science retention in response to low scores for the mandatory Georgia High School Test. Richmond County's average score is slightly lower than the state average. However, the average ranged from 98% to 31%. Can you imagine 7 out of 10 high school students not eligible to receive a diploma? If a student cannot pass the test, even with repeated attempts, a diploma cannot be awarded to the student.

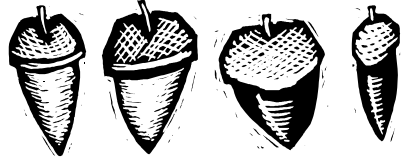
At a meeting last week the United Way asked the Local Section to find at least ten volunteers for coaches in middle school and high school. "Coaches" would meet a few hours each month to aid teachers. The specifics of the program are defined by the teachers and school

administrator in consultation with the Coaches' Board.

Your community needs your scientific background!

If you are interested call or e-mail me so that I can send a United Way form. Time is short to get this off the ground so do not delay.

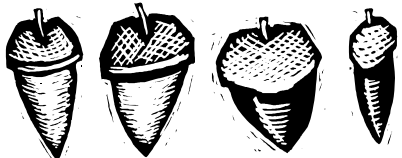
- Roy Beck



SEED DAY

Besides our October meeting, the Local Section will be sponsoring a booth at the Science Education Enrichment Day (SEED) at USC-Aiken on Saturday, October 23, 1999. This is always a popular event for school children in our area; why not bring your children out to see our interactive exhibit, and the other exciting demonstrations and exhibits?

- Brian Anderson



ACS-SR

OCTOBER MEETING

“WINES OF ITALY” WINE TASTING AND AWARDS CEREMONY

Location: North Augusta Community Center, 495 Brookside Avenue, North Augusta, SC.

Schedule: 6:30 p.m. Social, 7:00 p.m. Wine Tasting, 8:00 p.m. Awards Ceremony

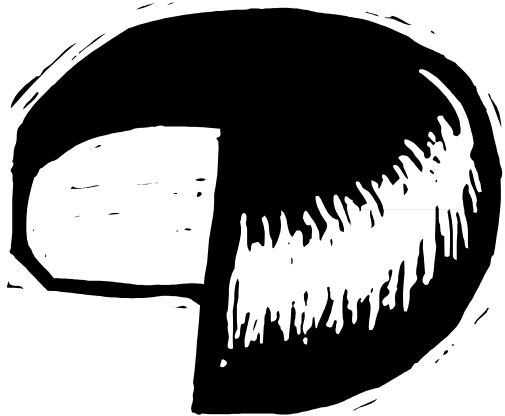
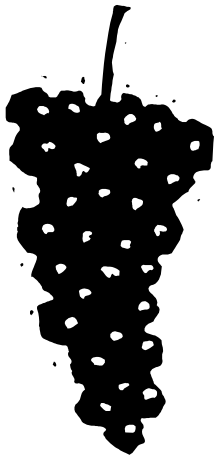
Cost: \$15.00 per person, no student discount.

Menu: Bread, cheese, and various finger foods. Eat dinner before you come, but not too much!!

Reservations: Contact Sara Diamond at (803) 725-2605 and make your reservations by 12:00 p.m., Thursday, October 21, 1999. Leave a message on voice mail if necessary, indicating the names of those attending.

Topic: Dick Benjamin of Wine World will be presenting seven wines from Italy in a tasting for the Section. Finger foods as well as bread and cheese will be served to compliment each wine. This should be a very informative and fun event. After the wine tasting we will be presenting the Local Section awards for 1999, including the prestigious Denise Creech High School Teacher Award.

- Brian Anderson



**ARTS IN THE HEART
REVIEW**

The Local Section sponsored a booth in the children's section of the Arts In The Heart of Augusta festival during the weekend of September 17-19, 1999. We decided to have a dual use booth, one table for a children's activity and the other table for display of molecular models and ACS literature. Children who wandered by the booth ended up staying (some for upwards of 20 minutes) in order to color and be fascinated by the art and science of Color Changing Pens. At the display table we set out issues of ChemMatters magazine, which described the chemistry of the pens. Many parents and teachers were interested enough to take a copy so they could learn more about the chemistry behind the kids' fun. We were a big hit; many kids drew great pictures and got to keep them as well. We even had a local watercolor artist stop by and illustrate a beautiful bonsai tree using our pens. Many thanks to our volunteers who ran the booth: Brian Anderson, Stephanie Myers, Joe Krupa, Rob Lascola, Tom White and Tom Crute!!

- Brian Anderson

**SEPTEMBER MEETING
REVIEW**

The Local Section sponsored a wonderful meeting featuring Sr. Mary Virginia Orna of the Chemical Heritage Foundation. Sr. Orna presented her research performed during a sabbatical that took her to Israel and to Italy. She studied ancient manuscripts in order to replicate compounds made by medieval chemists in their search for dyes. She was able to produce the recipes and, in the process, discover compounds that have not been described in the literature before. Proof that something very old can indeed yield something new!! She also presented some of the paint and pigment detective work necessary to prove the authenticity of various works of art. Finally, she gave a fascinating presentation on the analytical chemistry surrounding the Shroud of Turin. Sister Orna's talk was thoroughly enjoyed by all present.

The Morris Museum provided an elegant venue for the meeting, and Poppy Seeds catered an outstanding meal of grilled salmon and succulent vegetables. People were talking about the carrot soufflé well after the meal was over. We also received a thank you note from Sr. Orna indicating that the meal and meeting were excellent. We hope to have her back again soon!!

- Brian Anderson

EDITOR'S CHOICE



VOTE!!!!

Official Ballot

Circle or Write-In Your Choices

Chair-Elect: **no candidate**

Write-In_____

Treasurer: **Thomas White**

Write-In_____

Secretary: **Robert Lascola**

Write-In_____

Please return your ballot to:

Lewis Baylor

Equitech Int'l Corp.

1359 Silver Bluff Rd.

Suite G-6

Aiken, SC 29803

Deadline for ballots is: October 30, 1999

New officers will be announced in the November newsletter.

Candidate Profiles

Thomas White received his B.S. in Chemistry at San Diego State University in 1988. In 1994, he received a Ph.D. in organic chemistry under Professor Bruce Rickborn at the University of California, Santa Barbara. Currently, he is a Senior Scientist at the Savannah River Site.

Dr. Robert Lascola has been an analytical chemist at SRTC since the fall of 1998, arriving after completing his doctorate at the University of Wisconsin. His professional interests include optical spectroscopy, especially fiber optic systems, Raman techniques and non-linear optics. Away from work, Rob likes to spend time with his wife Judi and their two dogs, play soccer, and putter in the kitchen. He is also a reader for the Georgia Radio Reading Service, which broadcasts local and national newspapers, magazines, and books for blind and print handicapped persons. He's enjoyed the local ACS functions that he has attended or volunteered for so far, and is looking to become more involved with the Section.

Deadline for ballots is October 30, 1999.

VOTE!!!!

ACTIVITIES CALENDAR

All Year*	International Chemistry Celebration	Various	CSRA
February 15	Tour: GBI	GBI	Augusta
February 17*	SRS Technology Day	Civic Center	Augusta
March 16*	Lee Marek "Chemistry on 'The Late Show with David Letterman'"	Ft. Discovery	Augusta
March 27	Girl Scouts	Fair Grounds	Evans
May 11	Tour: Air Products	Air Products	Langley
May 1	Nat'l Science & Tech. Week	Ft. Discovery	Augusta
September 14	CSRA College Night	Civic Center	Augusta
September 18-19	Arts In The Heart	Riverwalk	Augusta
September 20	Dr. Mary Orna "Chemistry at the Art / Archaeology Interface"	Morris Museum	Augusta
October 19	Awards Meeting	N. Augusta Comm. Cen.	North Augusta
October 23	SEED	USC-Aiken	Aiken
November 7-13*	National Chemistry Week	Various	CSRA
November 18	Dr. Joel Harris "Time-Resolved Spectroscopy"	The Bowery	Aiken

* ACS-SR booth or activity, volunteers needed.

*** *The CSRA Chemist* By E-mail ***

Would you like to receive *The CSRA Chemist* by e-mail, instead of by paper mail? We would be happy to put you on the Section's e-mail list - you will receive the newsletter more quickly and the Section will save money on printing and mailing costs. The newsletter will be sent in PDF format and can be read with Adobe's Acrobat Reader, which is available free on the WWW. Drop the editor an email at: baylor@quixnet.net if you are interested in this new feature.

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