



The CSRA Chemist

SAVANNAH RIVER SECTION
OF THE
AMERICAN CHEMICAL SOCIETY

INSIDE THIS ISSUE

September Meeting: Chemistry of Wine	page 3
Chair's Thoughts	page 4
CSRA College Night	page 4
Arts in the Heart Returns	page 4
TAG News	page 5
National Chemistry Olympiad 2001	page 5
Quill and Flask	page 6

The CSRA Chemist

Editor: Lewis C. Baylor

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Public Relations	Dr. Charles Crawford	Westinghouse SRC	(803) 725-8049
TAG	Ms. Jeannine Mills	Westinghouse SRC	(803) 725-2701

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Advertisers: 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.

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.

ACS-SR **S E P T E M B E R E V E N T**

Joint Meeting with TAG: Chemistry of Wine, Wine Tasting, and Dinner

- Date: Friday, September 14, 2001
- Location: North Augusta Community Center, 495 Brookside Avenue, North Augusta
- Schedule: 6:30 p.m. Social, 7:00 p.m. Talk, Wine Tasting and Dinner
- Speaker: Dr. J. Ernest Simpson
- Cost: \$20.00; no student discount.
- Menu: Salad, stuffed pork loin, rice, vegetables and dessert.

Reservations: Contact Sara Diamond at (803) 725-2605. Leave a message on voice mail if necessary, indicating the names of those attending. Please sign up early!! The deadline is 5 pm, Wednesday, September 12.

Program: Dr. Simpson (California State University at Pomona) will present an overview of wine and wine making and descriptions of the chemical composition of grapes and wine, laboratory methods for analysis of grapes and wines, sensory and organoleptic methods used for wine, the role of tannin and other phenolic compounds in wine, and some potential health aspects of wine. A "component and varietal analysis" (i.e., wine tasting) of a representative number of white and red wines will be conducted as a part of Dr. Simpson's talk. You must be of legal drinking age to partake of the wine.

Directions: Brookside Avenue is a side street on East Buena Vista Avenue in North Augusta and is directly across from the N. Augusta Public Safety building. East Buena Vista Avenue is the first traffic light on Georgia Avenue in SC coming across the 13th Street Bridge from Augusta; turn right. If heading south on Georgia Avenue in SC, turn left at the last traffic light before the bridge.

CHAIR'S THOUGHTS

Well, all good things must come to an end - in this case the relaxing days of summer. Now all the vacations have been taken, the big projects at work started up again, and the kids (and also some of our members, no doubt!) are starting school. ACS is no different, and it all starts off in a big rush. Circle the week of September 10-17 on your calendar, which is packed with all sorts of ACS events and activities. Our dinner meeting for the month is on Friday the 14th, with a talk about the Chemistry of Wine, accompanied by tasting examples. The Section is participating in CSRA College Night on Tuesday the 11th, and is returning to Arts in the Heart of Augusta on the 15th and 16th. (All the details can be found elsewhere in the newsletter.) There are plenty of opportunities that week to reacquaint yourself with the ACS, and I really hope you can participate in at least one event.

-Rob Lascola

CSRA COLLEGE NIGHT

The Local Section will once again be present at the CSRA College Night college fair. This year's event occurs on September 11 at the Augusta Richmond County Civic Center.

- Lewis Baylor

ARTS IN THE HEART RETURNS

After a one-year break, the Savannah River Section is proud to again be participating in the Arts in the Heart of Augusta Festival. As in prior years, we will be putting up a tent in the Children's Section on Saturday the 15th and Sunday the 16th of September. This year we will be unveiling new demos for the kiddies, introducing them to the magic of soap bubbles and the like, as well as providing info to the adults (especially the teachers that wander by) about the chemistry-based services ACS provides. And as this year's National Chemistry Week theme is "Chemistry and the Arts", our participation in the Arts Festival is particularly apt. As usual, we are in need of volunteers - even just a couple of hours would be truly helpful. Festival hours are 11-7 on Saturday and 12-6 on Sunday. If you are interested in helping, or need more information, please give Rob Lascola a call by Sunday, September 9 (725-2380 days, 819-1290 nights/weekends). Thanks!

-Rob Lascola

TAG NEWS

The September TAG meeting will be held jointly with the Savannah River Local Section (see details on p. 3 of this newsletter).

Linda Wright of the Aiken Toastmasters will be speaking to the TAG in October. She will talk to us about presentation skills. We will meet on October, 16 at the Red Lobster in Aiken, SC. The meeting will begin at 7:00 pm.

-Jeannine Mills

NATIONAL CHEMISTRY OLYMPIAD 2001

The 2001 National Chemistry Olympiad Screening Exam process was the most successful to date in terms of student participants. Five hundred sixty-five high school students from nine area high schools took a one-hour in-class exam from which we selected the highest eight scorers. Under national guidelines, no more than two students could be selected per high school with a maximum of eight nominees from our Local Section. These eight students took the National Chemistry Olympiad exam on April 21, 2001 at Augusta State University sponsored again this year by our Local ACS Section with support from both the Department of

Chemistry at USC Aiken and the Department of Chemistry & Physics at Augusta State. The students were among the more than 1500 students who sat for the exam at local venues all over the nation. The rigorous national exam consisted of three parts: a sixty-question multiple choice section, an eight-question problem solving section where responses were written out, and a two-problem lab practical section. Total exam time was four hours and fifty minutes and these top-scoring high school students are to be commended for giving up almost an entire Saturday to participate.

The eight students were Ted Samaddar and James Pike from Augusta Prep, Aaron Emmons from Davidson Fine Arts, James Nishimuta from Greenbrier, Justin Bair and Kelly Lefler from Lakeside, and Michael Petrides and Tufik Assad from Westminster Prep. The other high schools (Evans and Westside in Georgia and Midland Valley and Silver Bluff in South Carolina) had the majority of if not their entire chemistry student body take the screening exam this year which accounts for the huge number of participants. Keri Grabowski at Silver Bluff said her reasons for having her students participate is to get them excited about taking the exam and finding out at the end of the year who will win the tee shirts. This promotion of chemistry in the region is one of the two

main purposes of the Olympiad, the other being selection of top scorers to sit for the national exam.

We would like to thank once again this year Nancy Bourne at Augusta State for her help in distributing exams, printing the participation certificates for all of the students, and for running the SCANTRON grader and Thuy Nyugen also of Augusta State for her preparation and set up of the lab practical exam. Without their help, the tasks of the Olympiad would not have been accomplished.

-Monty Fetterolf and Cathy Cobb

QUILL AND FLASK



4. Avoid replaying unpleasant interactions.

5. Monitor and adjust tension levels.

6. Create a transition between work and home.

7. Take regular joy breaks.

8. Develop positive support systems.

9. Always have something to anticipate.

10. Remember the importance of what you do.

- Phil Record and David Welsh

The preceding nuggets of wisdom are courtesy of the ACS' new chemistry.org web site. If you haven't been out to this site, take a trip there. There's a ton of information there on ACS, publications, jobs, conferences, and an online store. Where do you think I got this little list?

- Lewis Baylor

Stress Survival Strategies

1. Accept what you cannot change.
2. Create psychological distance.
3. Know your "buttons" and how you act when they are pushed.

ACTIVITIES CALENDAR

Date	Event	Venue	Location
January 22	Career Workshop	ASU - New Science Bldg.	Augusta
January 31	Chemical Jeopardy	USCA - Etherredge Center	Aiken
February 7	SRS Technology Day	Civic Center	Augusta
February 19	Career Workshop	ASU - New Science Bldg.	Augusta
February 20	McIntyre "Mac" Louthan "Metallurgy, Chemistry and Corrosion Fatigue"	Snug Tavern	Augusta
March 15	Fisher Expo (w/ TAG)	Hampton Inn	Aiken
March 19	Career Workshop	ASU - New Science Bldg.	Augusta
April 21	Boy Scout Roundup	Riverwalk	Augusta
April 28	Girl Scout Roundup	Aiken Fair Ground	Aiken
May 22	Augusta-Richmond County Water Treatment Filter Plant Tour		Augusta
September 14	J. Ernest Simpson "Chemistry of Wine"	North Augusta Comm. Ctr.	N. Augusta
September 11	CSRA College Night	Civic Center	Augusta
Sept. 15-16	Arts in the Heart	Rieverwalk	Augusta
October 13	SEED	USC-Aiken	Aiken
Nov. 4-10	National Chemistry Week	Various	CSRA
Nov. 16	James F. O'Brien, Awards "Absinthe: A Chemical and Artistic History"	TBA	TBA

*American Chemical Society
Savannah River Local Section
c/o Lewis C. Baylor
Equitech Int'l Corp.
1359 Silver Bluff Rd., Ste. G6
Aiken, SC 29803*

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