



The CSRA Chemist

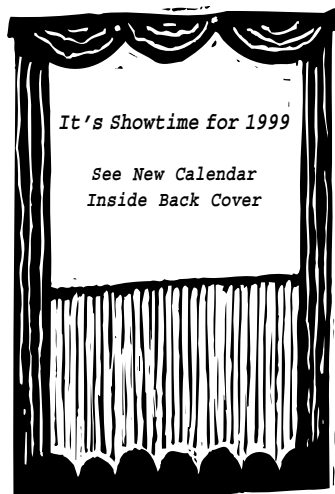
SAVANNAH RIVER SECTION
OF THE
AMERICAN CHEMICAL SOCIETY

Volume 42

Number 1

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The CSRA Chemist

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Mailing Address: Savannah River Section - American Chemical Society, c/o Lewis C. Baylor, Equitech Int'l Corp., 218 Richland Ave. W, Aiken, SC 29801. 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.

CHAIR'S THOUGHTS

A New Year and the very near end of a millennium mark the beginning of the Local Section's event filled agenda. The Local Section has had the privilege of benefiting from the efforts of wonderful people willing to give their time, money and support. Year after year the section has served the public with volunteer service at events such as SRS Technical Day, SEED, Arts in the Heart of Augusta and the Girl Scout Annual Roundup. Very dedicated individuals work every year to serve the education emphasis of the American Chemical Society by handling all aspects of the Chemistry Olympiad. This year supporters are still required to help the committees bring designated projects to reality, sharing some time of value with the membership and the communities in which they live.

Last year some of our members had to relocate and take their energy to another section. We

wish them well in their new locations while looking forward to new members who will follow.

The Local Section through the efforts of the Chair-Elect provides meeting events for the membership. Please consider the schedule as it becomes available. These meetings are to serve you, the membership.

My goals as the 1999 Chair are simple:

- Represent the Local Section.
- Support the agenda proposed by each committee.
- Evaluate and enhance the Local Section's interaction with industry.

I am looking forward to working toward the beginning of a new millennium with the Savannah River Section.

- Roy Beck

OFFICER REPORTS

MONEY MATTERS: 1999 BUDGET

The 1999 budget contains modifications relative to last year based on our 1998 final numbers. Our allotment has increased approximately \$100.00 and we are expecting increased revenue from our local section dues as they have increased from \$5.00 to \$7.50 this year. We have increases in several budget categories: awards and scholarships have been increased in order to give more substantial awards to winners. In addition, this year boasts both the International Chemistry Celebration and National Chemistry Week, and therefore the budget for these events has been increased to \$900.00. The web site cost of \$6.95 per

month has necessitated an increase in our public relations budget. The travel subsidy was removed from our budget because it is forecast that we will not need to cover the costs of officer travel to the national meetings this year. Our investment budget will be increased to \$300.00 a year and we will institute a \$25.00 per month automatic deposit into our investments accounts to accomplish this.

Please turn to page 5 to see the detailed budget in the Money Matters table.

-Tom White and Brian Anderson

INTERNATIONAL CHEMISTRY CELEBRATION

International Chemistry Celebration presents the Savannah River Section with a wonderful opportunity to share the importance of chemistry with our community. Please join us at our first IChC event of the year, a Kids & Chemistry workshop at Fort Discovery National Science Center.

Would you like to be better able to relate to your child when working with science projects or assignments? Would you like to increase your confidence when discussing and demonstrating scientific principle with young students? Are you interested in having more chemistry in the Fort Discovery National Science Center exhibits and activities? If these ideas appeal to you, then we've got the opportunity for you!!!

On Saturday, February 27, 1999, the Local Section will sponsor a Kids & Chemistry workshop at Fort Discovery National Science Center. The workshop will be presented by the Kids & Chemistry Training Staff from the American Chemical Society in Washington, DC.

The workshop begins at 9:00 AM, with two optional sessions which begin at noon.
9:00 AM to noon: Kids & Chemistry Training Workshop (adults only)

Noon to 2:00 PM: Optional Brown Bag Lunch involving discussion with the ACS trainers (Bring your own lunch or purchase a meal from Gorins.)

2:00 PM to 4:00 PM: Optional Hands-on

Chemistry Activities with your child OR roundtable discussion on bringing more chemistry to Ft. Discovery

A small fee will be charged for admission to Fort Discovery. Check-in for workshop participants will be at 9AM February 27 in Fort Discovery's Science Court. The first two sessions are for adult participants only. The hands-on chemistry activities in the afternoon will be available if there is enough interest and will run simultaneously with the discussion of bringing chemistry to Ft. Discovery. Parents bringing their children should ensure that they are adequately supervised outside the training rooms while the sessions from 9:00 AM to 2:00 PM are being held.

The morning session will be a workshop training individuals how to relate to children when teaching scientific concepts and principles. The lunch and afternoon sessions will involve training for individuals who have an interest in leading workshops on chemistry and other areas of science, and to brainstorm for ideas on how chemistry could be more effectively incorporated into Ft. Discovery's mission and activities.

Contact Martita Curtis at (Telephone:706-821-0607) before Monday, February 22 to register for the Kids & Chemistry workshop. For more information on the Kids & Chemistry program, call Joyce Morningstar (IChC coordinator) at 706-869-8587. And, if you're interested in participating in upcoming IChC events, contact Joyce Morningstar.
- Joyce Morningstar

MONEY MATTERS



The year 1998 proved to be one in which we made up ground in terms of the fiscal goal ACS National has set for all local sections. Our net worth in our various savings and cash accounts is at, or very close to, 1.5 times our annual allotment. The year saw a lot of activity for our treasury, with unexpected windfalls and expenses cropping up. A major expense

that was not forecast this year was the purchase of Adobe PageMaker for newsletter production. However, our meeting income, coupled with a few under-spent categories allowed us to purchase the software and still end up with a surplus this year. Our current strategy is to end the year with \$2000.00 in our cash account. Our current balance of \$2992.54 is a sizeable surplus for our Section. Some of that surplus will be used to improve our outreach activities as we will purchase additional materials for our traveling booth. (Look for it at this year's SRS Technology Day on February 17 at the Civic Center.) The rest of the surplus will

Continued on page 10.

Category/Description	'98 Actual	'98 Budget	'98 Difference	'99 Budget
INFLOWS				
Advertisements	0.00	1.00	-1.00	0.00
Allotment	4627.00	4627.00	0.00	4744.00
Interest	236.57	140.00	96.57	200.00
Local Section Dues	1110.36	1200.00	-89.64	1500.00
Meeting Income	1242.00	1.00	1241.00	0.00
TOTAL INFLOWS	7215.93	5969.00	1246.93	6444.00
OUTFLOWS				
Awards	147.80	300.00	152.20	350.00
Chemistry Olympiad	485.50	450.00	-35.50	500.00
Invested	250.00	200.00	-50.00	300.00
Meeting Expenses	2385.50	1600.00	-785.50	1600.00
Miscellaneous	229.59	300.00	70.41	300.00
National Chemistry Week	635.36	600.00	-35.36	900.00
Newsletter	2043.66	1600.00	-443.66	1600.00
Public Relations	245.38	200.00	-45.38	300.00
Scholarships	0.00	200.00	200.00	350.00
Service Charge	125.00	125.00	0.00	125.00
Travel Subsidy	0.00	400.00	400.00	0.00
TOTAL OUTFLOWS	6547.79	5975.00	-572.79	6325.00
OVERALL TOTAL	668.14	-6.00	674.14	119.00

Special Report

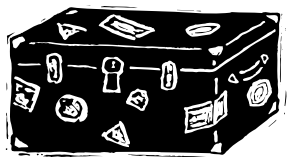
LOCAL SECTION SURVEY RESULTS

SEED

6.5

21.0

72.6



Responses were elicited from 62 Section members, or about 20% of the Section. Their responses are tabulated below.

Interest in Meetings:

	High	Some	Low
Technical Topics	50.0	27.4	22.6
Everyday Chemistry	54.8	27.4	17.7
W/Students	29.0	40.3	30.6
W/Other Org.	41.9	41.9	16.1
Career Oriented	19.4	19.4	61.3
Volunteer Projects	16.1	27.4	56.5

Highest interest was shown in chemistry of every day life, technical topics and meetings with other technical organizations.

Interest in Section Activities:

	High	Some	Low
Newsletter	11.3	30.6	58.1
Website	6.5	21.0	72.6
Directory	9.7	22.6	67.7
NCW	12.9	25.8	61.3
Awards Banquet	14.5	16.1	69.4
Olympiad	6.5	21.0	72.6
LS Career Program	9.7	21.0	69.4
CSRA College Night	4.8	17.7	77.4
Arts in the Heart	11.3	22.6	66.1
Girl Scout Roundup	8.1	19.4	72.6
Science Fair	8.1	30.6	61.3
Technology Day	3.2	21.0	75.8

Modest interest was shown for local section activities. Many members indicated that they were retired, or had become involved in other activities. Highest interest overall was in the Newsletter.

Motivations for coming to a meeting:

	High	Some	Low
Interesting	62.9	24.2	12.9
Networking	21.0	38.7	40.3
Keep up with Prof.	24.2	30.6	45.2
Social	25.8	35.5	37.1

The highest motivator for meetings of those aspects surveyed was that the meetings were interesting. Anecdotally, many members surveyed indicated that they found the topics interesting (that the Section was presenting in its meetings) but other commitments made it impossible to attend some meetings.

Technical areas of interest:

The following is a list of technical areas of interest provided by section members surveyed.

- Analytical (6)
- Environmental chemistry (6)
- Organic (6)
- Nuclear and actinide chemistry (5)
- Inorganic chemistry (4)
- Polymer chemistry (4)
- Textiles and fibers (4)
- Pharmaceutical chemistry (3)
- Dyes (2)
- Physical chemistry incl. reviews (2)
- Biochemistry of the aging process

- Bio-inorganic
- Biological
- Bioremediation
- Ceramics
- Chemical engineering economics
- Combinatorial chemistry
- Consulting
- Diversity
- Forensic
- General stuff
- Geochemistry
- Hazardous reactions
- How far have we come in 100 years
- Instant film
- Lab management
- Microchemistry
- Paint
- Paper coating
- Peptide chemistry
- Practical application of chemistry,
- Regulatory affairs
- separations
- SRS chemistry
- Surface science
- Vacuum science

Highest interest was in analytical, environmental, and organic chemistry.

Other Comments:

The following enumerates other comments received on how the Section was doing.

- Thinks stuff we present is pretty good
- Lately become interested in connecting with chemical industry in the area.
- Has participated in SEED as a company (Not ACS)
- Can't get to meetings but enjoys newsletter.
- Teachers would love some reviews of chemistry to keep up to date. Section

does try to reach out to high school teachers. She appreciates contact with Augusta State.

- Good mix of programs. Email about meetings is helpful.
- Overall pleased. Not as active as they should be.
- Doing a pretty good job in a spread out area.
- Enjoy newsletter— info is quite interesting. General interest meetings, e.g. general outlook in chemical industry.
- Very retired!! None.
- Haven't been getting the newsletter. Would help to have meetings at a repeatable time.
- Doing a fine job.
- Mostly missed meetings because he is enjoying retirement!
- Encourage Executive Committee to keep trying to expand Local Section.
- Important to involve non-SRS people.
- Interested in talking about chemistry as a career.
- Competition with other science societies — like the really techie stuff.
- Like meetings but job conflicts (night classes) Weds night best
- New member — not familiar with section activities.
- Good active section, National is too liberal on most politics but not totally out there. Tours are best meetings.
- Thinks we are doing a good job, but sometimes gets mailings late.
- Likes stuff out of the ordinary, well known speakers.
- Mailout that describes meetings is helpful.
- Enjoy the newsletter.
- Tours are interesting.

- View of undergrad education — competition of local undergrad research
- Appreciates the work of the section, but currently has other priorities.
- Student Seminars. Reads newsletter.
- Never very active in ACS. Likes the newsletter.
- Invite SRS speakers. Meet with ANS once a year.
- Get meeting announcements out earlier (quarterly?)
- We are doing a good job— keep up the good work.
- Interested in recycling. No other comments. Sorry he has not been more active. Active in ASTM & other societies.
- Its a good idea to do this.
- One meeting was held at Seven Gables. *i* was highly offended. This has a reputation and lawsuit filed for discrimination. The restaurant was also busted for drugs.

Most comments were positive, and most respondents who commented felt the Section was doing a good job.

SRS TECHNOLOGY DAY

The Savannah River Section's traveling booth will be at SRS Technology Day on Wednesday, February 17. Technology Day attracts large numbers of area high school students, who get to see first hand some of the science and technology that goes on at the Savannah River Site. It is also an opportunity for area professional societies to meet the students and give them a brief introduction into the various fields that they represent. This year, we are making some upgrades to our booth - including a new video. If you have a chance to be at Technology Day, come by and see us!

ON-LINE PROFESSIONAL DATA BANK

The ACS Department of Career Services is pleased to announce the release of the On-line Professional Data Bank (PDB). The On-line PDB gives members a free and easy way to post their skills, experience, and areas of interest in a searchable database. Employers use this Internet recruiting tool when searching for candidates to fill their open positions—they know they'll find skilled chemical professionals among the membership of the ACS.

Members facing a job change or considering making a career transition should try the On-line PDB—it's free, it's state-of-the-art, and it's entirely confidential. Candidates may choose to maintain an active listing (where their profile is posted immediately to a searchable database) or remain inactive for awhile (the profile is saved until the candidate wishes to switch to the active listing). All communication between employers and candidates is handled through an e-mail system created just for the PDB. Using the latest technology, candidate profiles can not be viewed by other users—only qualified employers who register with the ACS may gain access to the database. And an additional confidentiality option allows members to block their contact information and creates a blind e-mail address—no need to worry about your boss finding you on the system—so even members currently employed can use the system without risk.

A new landscape is developing in today's employment climate; lifelong employment with one organization has become a retreating

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JANUARY MEETING

Tour of the Georgia Bureau of Investigation Forensic Sciences Division Laboratory, Augusta Branch

Date: Monday February 15, 1999

Location: 912 Eighth Street, Augusta, GA

Schedule: 3:00 pm refreshments

3:30 pm - 5:00 pm tour

Menu: Hors d'oeuvres

Cost: Free / Students welcome.

Speakers: Dr. William T Fowler, Jr., Director, Forensic Serologist, and several staff scientists.

Reservations: Deadline Thursday, February 11, 1999 at 12:00 p.m. Contact Sara Diamond at (803)-725-2605. Leave a message on voice mail if necessary, indicating the names of those attending. Due to GBI space limitations, only the first twenty people will be accepted.

Program: Background: The Georgia Bureau of Investigation is an independent, state-wide agency that provides assistance to the state's criminal justice system in the areas of criminal investigations, forensic laboratory services and computerized criminal justice information. The Forensic Sciences Division laboratory scientists and technicians collect, analyze, and interpret physical evidence for state law enforcement officials. Dr. Fowler is the director of the Augusta Branch of the state crime laboratory system and will be leading the tour. The lab boasts state of the art analytical and characterization equipment and techniques and continues to upgrade its capabilities. Dr. Fowler and his staff members are experts in their fields, and we have a great opportunity to learn what goes on in the collection and analysis of crime scene evidence and what powerful tools can be applied in forensic investigations. This should prove to be a very informative and interesting meeting.

Due to space limitations in individual labs, we have a hard limit of 20 people for the tour. As we are doing the tour on a federal holiday, please be aware that the spots may fill up fast as students and others with the holiday off from work will be signing up quickly.

EDITOR'S CHOICE



As we move forward into a new year, *The CSRA Chemist* has returned to its familiar format. You will note the reappearance of the ACS logo on the front cover. I will be striving keep *The CSRA Chemist* your link to the Savannah River Section's activities and events. Stay tuned!

One of our members has provided the following thought-provoking item. It is from Walt Robinson in the June 1990 *Cosmic Messenger*.

MEMBERSHIP

Some members keep their organization strong,
while other join and just belong.

Some dig in, some serve with pride,
some go along just for the ride.

Some volunteer to do their share,
while some sit back and just don't care.

On meeting days, some always show,
but then, there are those that never go.

Some always pay their dues ahead,
some get behind for months instead.

Some do their best, some build, some make,
some lag behind, some let things go.

Some never give but always take,
some never help their organization grow.

Some drag, some pull, some don't, some do,
which of these are you?

Continued from page 5.

be put into our investment accounts.

Our conservative investment strategy paid off this year. We were able to weather the downturn in the market this summer without losing any earnings, and then transferred a portion of our assets to higher yield accounts before the upswing. We began this year with \$3937.25 in our investment account. The 1998 year-end balance for these accounts was \$4393.80, representing a gain of \$466.55, or 11.6% over the course of the year (this includes a \$250.00 transfer from our cash accounts to the investment accounts).

I now turn over the books to our new Treasurer, Dr. Tom White. Please join me in thanking him for assuming this responsibility.
- Brian Anderson

Continued from page 8.

reality. Employment data support the prediction that job changes will become more frequent, and more members will start their careers as temporary employees. Career self-management is a necessity for all chemists. Check out the newest career management tool available from ACS and take advantage of your member benefits. Available through ChemCenter at <http://www.chemcenter.org>

ACTIVITIES CALENDAR

All Year*	International Chemistry Celebration	Various	CSRA
February 15	Tour: GBI	GBI	Augusta
February 17*	SRS Technical Day	Civic Center	Augusta
March 16*	Lee Marek	Ft. Discovery	Augusta
Chemical Demonstrations			
TBA	Girl Scouts	TBA	Augusta
TBA	Tour:TBA	TBA	TBA
May 1	Nat'l Science & Tech. Week	Ft. Discovery	Augusta
September*	CSRA College Night	Civic Center	Augusta
September*	Arts In The Heart	Riverwalk	Augusta
September 20	Dr. Mary Orna	TBA	TBA
October	Meeting	TBA	TBA
October*	SEED	USC-Aiken	Aiken
November 7-13*	National Chemistry Week	Various	CSRA
November 15	Dr. Joel Harris/Awards	TBA	TBA

* 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 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: landdbaylor@mindspring.com if you are interested in this new feature.

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