

The CSRA Chemist

Savannah River Section
of the

American Chemical Society

Vol. 48



No. 4

Its Time for Our First Fall Meeting!

Dr. Ariel Fenster

Science and Art: Facts and Fakes

September 14, 2005

6:30 pm

Partridge Inn, Augusta, GA

Partridge Inn entree choices are---

#1: broiled talapia with lemon butter accompanied by herb scented rice and chef's vegetable of the day; entree

#2: Just peachy chicken - pecan-crusted chicken breast served with a peach salsa and herb rice and chef's vegetable of the day.

Both entrees come with mixed greens salad, rolls, coffee, ice tea, and key lime pie for dessert. Cost is \$22 per person, half price for chemistry students.

Please call Renee McCabe, 706-736-0479, for reservations and your entree selection by noon, Friday, September 9. No shows will incur cost of prepared meal.

Schedule of Events

<u>Speaker/Event</u>	<u>Date</u>	<u>Location</u>
Ariel Fenster (McGill University) <i>Science and Art: Facts and Fakes</i>	Sept. 14	Partridge Inn, Augusta
CSRA College Night	Sept. 15	Augusta Civic Center
SEED <i>Science Education Enrichment Day</i>	Oct. 8	USCA
Section Meeting: Chad Stephens (new ASU professor) - Oct TBD		
<i>Synthesis and Antimicrobial Activity of DNA-Binding Dicationic Compounds</i>		
National Chemistry Week	Oct. 16-22	Ft. Discovery
WOW That's Chemistry	Oct. 27	ASU/ Bell Auditorium
ACS-SR Elections	October	
Education Outreach	Nov. 5 [tentative date]	ASU
<i>Methods of Employing Student Centered Learning in the Science Curriculum</i>		
Awards & Wine/Dinner	Dec. 2?	TBD
YCC/Silver Circle	TBD	TBD

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Dr. Ariel Fenster

Title Science and Art: Facts and Fakes

Abstract Science has become an essential tool to the analysis of works of art. Modern techniques, from macro-photography to X rays can be used to reveal not only the condition and the history of masterpieces but also their authenticity. This lecture shows the application of these techniques to a variety of works from Vermeer to Van Gogh. Famous cases of forgery ranging from the Shroud of Turin to the notorious Van Meegeren affair are also examined.

Biographical Sketch

Ariel Fenster, teaches at McGill University, where he is also the Director of Communication of the Office for Chemistry and Society. An organism dedicated to disseminating up-to-date information in the areas of food, food issues, medications, and the environment and health topics in general. Dr. Fenster is well known as an outstanding communicator and an exceptional promoter of science with an extensive program, developed over nearly three decades. His contributions to teaching, and to the popularization of science, have been recognized by numerous awards. Among others: the "Award for Excellence in Chemistry Teaching" by the U.S. Chemical Manufacturers Association and the "McNeil Medal for the Public Awareness of Science" from the Royal Society of Canada (inaugural award). Ariel Fenster who is a native of the wine growing region of Bergerac, France, holds a Master degree from the University of Paris and a Ph.D. from McGill University. He is also a member of the Advisory Committee of the RCMP Forensic Laboratories.

Social will be held at 6:30 pm, with dinner at 7:00 pm, in the Ballroom at the Partridge Inn. Cost is \$22 per person.

Each Fall Its time for new elections...

If you are interested in serving as a section office or committee chair, want to suggest or nominate someone else for an office, or just want to give an opinion about how the section should function, please contact Charles Crawford, our past chairman and head of the nomination committee.

Contact: Charles Crawford

email: charles.crawford@srnl.doe.gov

phone: (803) 725-8049

FUTURE MEETINGS

October Meeting -- The section hopes to introduce new faculty to the section members during the year . For an October meeting, we plan to have Chad Stephens, a new professor at Augusta State University, give a talk. A tentative meeting is for a low cost BarBQue meal. However the date and place still needs to be firmed up. Look for a post card or announcement at the September meeting.

In early November Eric Zuckerman has planned for a workshop as part of the educational outreach program. The workshop will introduce new apprentice type of teaching methods which are suppose to be more effective than lecturing. If interested please contact Dr. Zuckerman at ASU.

In December we will have the annual wine and cheese celebration and awards recognition. New officers will be inducted.

Speakers for the Spring are still being selected by the National round robin process with the other regional sections. We should have names soon. We also expect the Younger Chemist and Senior Silver Chemists to sponsor an event this year.



**The Savannah River Section will host the
2006 Southeastern Regional Meeting.
Below is a listing of the planned Symposia.**

**For Details and Contacts go to:
WWW.SERMACS2006.ORG**

**Nov. 1-4, 2006
Augusta, GA**

Symposia Highlights

- 🔍 Alternative Fuels– the Hydrogen Economy
- 🔍 AIChE Nuclear Engineering Division Symposia
- 🔍 Advances in Food Safety Sensors
- 🔍 Chemistry of Explosives
- 🔍 Surface Enhanced Vibrational Spectroscopy
- 🔍 Advances in Organic Synthesis
- 🔍 Modern Developments & Applications of Mass Spectrometry
- 🔍 Chemistry of Drug Abuse
- 🔍 Laser-Induced Ablation & Plasma Spectroscopy
- 🔍 Radiochemical Separations in Nuclear Technology
- 🔍 Chemistry & the Law– 2006 Update
- 🔍 Emergency Response
- 🔍 Scholarship in Chemical Education
- 🔍 Future of Scientific Publishing
- 🔍 Chemistry of Aging
- 🔍 Environmental Remediation Chemistry
- 🔍 Nucleic Acids Research
- 🔍 Recent Developments in Nuclear Fuel Cycle Processing
- 🔍 Protein Misfolding & Degradation in Disease & Therapeutic Intervention
- 🔍 Polymer Chemistry and Engineering
- 🔍 K-12 Chemical Educators Program



The Savannah River Section of the American Chemical Society (ACS-SR) was awarded host section status for the 2006 Southeast Regional Meeting of the American Chemical Society (SERMACS) after a successful bid proposal in November 2002. The meeting is scheduled for November 1-4, 2006 at the Radisson Riverfront and Country Inn Suites Hotels in Augusta. The theme for the meeting is "Linking Chemistry in the Southeast" and will capitalize on the golf connections for which the community is so well known.

The ACS Savannah River Section is working in conjunction with the CSRA chapter of the American Institute of Chemical Engineers (AIChE) on the planning and organization of the meeting as part of the ACS Board of Directors plan for closer ties between the two societies in the areas of programming and member services. Currently, monthly SERMACS 2006 Steering committee meetings are focusing on programming, special events, and sponsorships. These meetings are open to new participants. Interested volunteers should contact Chris Bannochie, SERMACS 2006 General Chair, at SERMACS2006/WSRC/Srs. For more information on the meeting refer to the attached flier, as well as at the meeting web site (www.sermacs2006.org).

SERMACS is the largest of the eight ACS Regional Meetings and regularly draws in excess of 1200 chemists, chemical engineers, and students from the southeastern U.S., in addition to invited speakers from around the U.S. and the world.

Chris Bannochie, General Chair

Scott McWhorter, Sponsorship

Kim Crapse, Public Relations

National Chemistry Week

October 16-22, “The Joy of Toys”

All individuals dedicated to enhancing the public’s awareness of the contributions of chemistry are invited to support National Chemistry Week (NCW), October 16-22. The 2005 theme is “The Joy of Toys” The annual NCW celebration unites ACS local sections, industries, schools, and individuals in communicating the importance of chemistry to the quality of life.

For more information about NCW, please visit chemistry.org/ncw.

ACS Sponsored High School Chemistry Clubs [article from ACS]

This fall, the ACS Education Division will initiate a pilot program for affiliated high school chemistry clubs across the U.S. Plans for contacting interested teachers, producing a handbook, identifying interesting and appropriate club activities, and establishing contacts with membership programs are underway. Staff also plans to set up a Web page for posting resources and encouraging communication among clubs. As funds permit, logo-bearing banners and pins will add to the starter package.

Supporting and establishing ACS high school chemistry clubs is an attractive idea that has been under discussion for several years. A survey sent out to high school teacher members—several of whom already sponsor clubs—confirmed support for such a program. A self-selected group of these teachers is already on board for the 2005-06 pilot program and will receive assistance from the Office of High School Education in launching their chemistry clubs. Additionally, these teachers will be encouraged to contact their local ACS sections and nearby ACS Student Affiliate Chapters to initiate joint activities and acquire member support.

This program is designed as a member benefit for high school teacher members. In order to be an ACS high school chemistry club advisor, the teacher must be a member of the Society, and/or a national, divisional, or local section affiliate.

Local ACS sections are encouraged to be pro-active in this pilot phase of the project. Any section wishing to initiate a partnership with an area high school to establish an affiliated club is welcome to move forward with the plan. Education Division staff will include the school in the pilot plan, supplying available resources and support. Please email staff at education@acs.org with questions, plans and/or suggestions.

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