



The Bulletin
of the
Virginia Section
AMERICAN CHEMICAL SOCIETY

SEPTEMBER MEETING NOTICE

● TEACHER AWARDS ●

*Virginia Commonwealth University
Richmond, Virginia*

Friday, September 20, 2013

RECEPTION: 5:30 p.m.
The Scott House
909 West Franklin Street

PROGRAM: 7:00 p.m.
Auditorium (Room 1107)
Academic Learning Commons (MCALC), 1000 Floyd Avenue

MENU: Heavy Hors-d'oeuvres (many kinds), Soft Drinks, Beer and Wine

PRICE: Members/Guests - \$17.00; Students, High School Teachers and Spouses - \$9.00; Retired ACS Members and Spouses, Retired Teachers and Spouses - \$12.00

RESERVATIONS: Please make reservations by **4:00 p.m. on Monday, September 13** by calling Rhea Miller at (804) 827-0352 or by e-mail to rmiller3@vcu.edu

HOST: Dr. Scott Gronert, (804) 828-1298, chemistry@vcu.edu

SPEAKER: Mr. Sam Kean

TOPIC: "The Disappearing Spoon: True Tales of Madness, Love, and the History of the World from the Periodic Table"

SEPTEMBER 2013

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
					reservations due	
15	16	17	18	19	20	21
					meeting	
22	23	24	25	26	27	28
29	30					

SAM KEAN

Sam Kean spent years collecting mercury from broken thermometers as a kid, and now he is a writer in Washington, D.C. He is the author of the *New York Times* bestsellers ***The Disappearing Spoon*** and ***The Violinist's Thumb***. Both books were named *Amazon* top-five science books of the year. ***The Disappearing Spoon*** was also a runner-up for the Royal Society of London's book of the year for 2010, and ***The Violinist's Thumb*** has been nominated for the 2013 PEN/Wilson award for literary science writing. His work has appeared in the *New York Times* magazine, *Slate*, *Mental Floss*, and other publications, and he has been featured on NPR's "Radiolab," "All Things Considered," and "Fresh Air." He has given talks on his books in four different countries, and in twenty different states. His unique take on science has made him a consistently popular speaker at museums, colleges, library, science conferences, literary festivals, and other events. His funny, strange, and poignant stories enliven science and science history.



THE DISAPPEARING SPOON

Why did Gandhi hate iodine? Why did the Japanese kill Godzilla with missiles made of cadmium? How did radium nearly ruin Marie Curie's reputation? And why did tellurium lead to the most bizarre gold rush in history? The Periodic Table is one of our crowning scientific achievements, but it's also a treasure trove of passion, adventure, betrayal, and obsession. *The Disappearing Spoon* delves into every single element on the table and explains each one's role in science, money, mythology, war, the arts, medicine, alchemy, and other areas of human history, from the Big Bang through the end of time.



THE DISTINGUISHED ELEMENTARY SCHOOL SCIENCE TEACHER AWARD

Laura Shifflett



Laura Shifflett, originally from Chadds Ford, PA, has taught at the elementary level for the past ten years. She earned her undergraduate degree and master's degree from the University of Pittsburgh. She taught at CC Wells Elementary School in Chesterfield County for ten years, where she was a lead science teacher for seven years. Laura has started a new career as an Upper Elementary Teacher and Science Lab Professor at the Academy of Academic Excellence in Henrico County. Laura has developed a passion for watching students learn about the world around them. She provides her students with problems or situations and watches them develop the right observations, hypotheses, and possible solutions. Laura has worked in her school with a new hands-on program that incorporates animals

into everyday lessons. She enjoys leading her students in science fairs and STEM projects. Laura resides in Henrico County with her husband, Doug, and two daughters, Reagan and Elin. She enjoys spending time at the beach, reading, and baking.

THE DISTINGUISHED MIDDLE SCHOOL SCIENCE TEACHER AWARD

Linda Herron



Linda grew up in Vienna, Virginia where she spent her childhood in the woods, creeks, and ponds around her home (she still plays in the woods). As part of a senior project in high school, she taught a special needs child to read, leading to an “aha” moment and a career in teaching. After graduating from James Madison University, she taught special needs students for ten years before moving to science education. She completed the two-year IPSET (Integrating Physical Science for Elementary Teachers) program at the University of Virginia and now teaches at the Kate Collins Middle School in Waynesboro. She expresses her teaching philosophy this way:

“Science is fascinating and I try to pass on the love of our world and how it works to my students. Often it takes a silly song or dance to get the harder concepts across. We spend as much time as possible in the lab, using student driven demos or technology to reach the goals. It is important for students to be cognizant of the “science” in their world whether it be choosing appropriate snacks (read those labels!), or being aware of man’s imprint on their world.”

She and her husband, Harry, live in Staunton with one cat, one dog, and three chickens.

THE FRANKLIN D. KIZER DISTINGUISHED HIGH SCHOOL CHEMISTRY TEACHER AWARD

Tammy Stone



A Virginia Native from Staunton, Virginia, Mrs. Stone graduated from Bridgewater College with a degree in chemistry. After being a food chemist, she decided to switch to education, taking her education classes at Mary Baldwin College. Mrs. Stone holds a Masters in Life Science with a concentration in chemistry from the University of Maryland at College Park. Her teaching career includes one year at Stuart Hall and 13 years with Rockingham County Public Schools. Currently, she is the department head at East Rockingham High School. Mrs. Stone is an instructor at James Madison University and she has worked for three summers as part of the NSF research experiences for undergraduates.

Mrs. Stone teaches several levels of chemistry as well as a Research and Inquiry Class. She is active in school projects, she created the Environmental Science Club, coaches the Envirothon team, takes students to the JMU science fair, tutors before and after school, mentors many student teachers as clinical faculty, writes grants for the school, and has coordinated a math and science lab and career day for the entire school. She says “I believe that if a teacher both shows her excitement for chemistry, and that she/he cares about each student, then almost anyone can be successful in chemistry.” She loves watching her students’ sense of amazement at chemistry and how her students’ thinking skills develop over the course of the year.

Tammy Stone is married to Robert Stone and they have two daughters, Reagan, 11 and Chloe, 8.

DIRECTIONS

The Reception will be held in The Scott House located at 909 West Franklin Street on the Virginia Commonwealth University-Monroe Park Campus. This is just northeast of the Chemistry Department which is housed in Oliver Hall, 1001 W. Main Street. There is parking on the streets around The Scott House (mainly Franklin St.) and in the West Broad Street Deck, 1111 W. Broad Street. The lecture and Teacher Awards Program will be held in Room 1107 (auditorium) of the new Academic Learning Commons (MCALC), located at 1000 Floyd Avenue (next to the Cabell Library). Detailed campus maps are on the VCU website: <http://www.vcu.edu>.

MAP



The Scott House



Academic Learning Commons (MCALC)

CHEMISTRY AT VIRGINIA COMMONWEALTH UNIVERSITY



The Virginia Commonwealth University Department of Chemistry has 32 faculty members, approximately 75 graduate students and 450 undergraduate chemistry majors. The department brings in more than \$4 million annually in research and educational grants. The department offers full-time undergraduate programs leading to the Bachelor of Science. The degree concentrations allow students to focus on different aspects of chemistry, depending on their specific interests. The concentrations include chemical science, professional chemist, professional chemist with honors, chemical modeling, and biochemistry.

The department also offers full- and part-time graduate programs leading to the Master of Science and Doctor of Philosophy degrees in analytical, inorganic, organic, and physical chemistry and to the doctoral degree in chemical physics. A wide range of graduate courses is offered; the classes are small in size and personal in nature. The recent addition of new faculty

and laboratories and the acquisition of new instrumentation provide a firm basis for continued excellence in both teaching and research. A program of studies is tailored to the individual student and is designed to provide a sound background in all areas of chemistry, with emphasis on the student's area of research. The low student-to-faculty ratio ensures that each student receives personal attention.

An important and distinctive feature of the department is close interaction between faculty and students. This interaction, in an active and friendly environment, is designed to promote scholarship, develop experimental ability, and stimulate creative thought. Students work side by side with faculty members in small research groups. They are encouraged to present the results of their research at regional and national meetings of the American Chemical Society and other professional organizations.

The department is committed to excellence in both research and teaching. The faculty actively conduct research in the areas of analytical, inorganic, organic, physical, and polymer chemistry and, in cooperation with the Department of Physics, chemical physics. Faculty members have received training and experience at leading universities, industrial laboratories, and national research laboratories. Their excellent and diverse backgrounds ensure a graduate program of quality and balance, one that can meet the varied needs of future professionals. John B. Fenn, Nobel Laureate 2002, was a member of the Department of Chemistry faculty.

State-of-the-art instrumentation used by faculty, graduate students, and undergraduate students in courses and research includes magnetic resonance spectroscopy, infrared, uv-vis, and fluorescence spectroscopy, mass spectrometry, and liquid and gas chromatography.

A weekly seminar program brings distinguished speakers to the department from academia and industry. Arrangements are made for the speakers to meet with students to discuss research and other topics. The program results in graduates who are well-prepared for careers in industry, academics, and national research laboratories. In addition to the regular seminar program, the annual Mary E. Kapp Lecture in Chemistry brings a chemist of international reputation to the department for a two-day visit. This lecture honors Kapp, the first chairman of the department, who guided the department through its formative years. Kapp established an endowment for the department from her estate. This endowment, in excess of \$3.5 million, was established specifically to support the graduate program in chemistry. It is currently used to fund the seminar program, assistantships for doctoral candidates, and graduate student travel to scientific meetings where they present papers.



***** VIRGINIA SECTION NEWS *****

FUTURE MEETINGS OF THE SECTION

DATE: October 18, 2013
 LOCATION: **Longwood University**
 Farmville, Va.
 HOST: Dr. Melissa Rhoten
 PHONE: (434) 395-2636
 E-MAIL: rhotenmc@longwood.edu
 SPEAKER: **Dr. Christopher Ehrhardt**

DATE: November 8, 2013
 LOCATION: **University of Mary Washington**
 Fredericksburg, Va.
 HOST: Dr. Janet Asper
 PHONE: (540) 654-1143
 E-MAIL: jasper@umc
 SPEAKER: **Dr. Janet Asper**
 TOPIC: "From Diapers to Deepwater
 Horizon: Structure, Applications,
 and Synthesis of Superabsorbant
 Polymers"

VAS FALL UNDERGRADUATE RESEARCH MEETING

The Virginia Academy of Science Fall Undergraduate Research Meeting will be held on October 26 at the Parham Road Campus of J. Sargeant Reynolds Community College, 1651 East Parham Road, Richmond. The sessions will be held from 9:00 a.m. until 3:00 p.m. in the Gallery (Room B101) of Georgiadis Hall. At the conclusion of the meeting, five \$500 research grants will be awarded to undergraduate students to support their research during the 2013-14 academic year. In order to be eligible for a research award, the student(s) must submit an application electronically to dcrosby@vsu.edu by **October 4, 2013**. Note that the faculty mentor for the project must be a member in good standing of the Virginia Academy of Science by the October 4 deadline for submission of the application. Applications and other information is available on the VAS website: <http://www.vacadsci.org>.

THE CHAIR'S CORNER



The executive committee will be meeting at 5 pm on September 20, prior to the meeting at VCU. At this meeting we will be looking at the budget for the coming year (2014). This will be a start in the preparation of the new budget and we would like all to receive input from ALL members about any program that you believe would be an asset to our section. We cannot fund everything, but we will consider and discuss all of your ideas. If you do not make the meeting, send me your ideas and I'll circulate them among the executive committee.

On another item, I have received an email from Jerry Bass letting us know that he will be stepping down as councilor at the end of this year. Jerry has been councilor for as long as I can remember and we have a large pair of shoes to fill. Any input from section members in filling this position is appreciated.

... Joseph Crockett

Chair, the Virginia Section



CHEMISTRY SEMINARS AT THE UNIVERSITY OF VIRGINIA

- September 13 - **Professor John Y. Yates, Jr.**, University of Virginia. "Discovery of a New Type of Catalytic Site Involving Nano-Gold Particles"
- September 20 - **Professor David N. Beratan**, Duke University - "Does Evolution Care about Quantum Mechanics? Electrons, Bioenergetics, and Life"
- September 27 - **Professor Paul Carlier**, Virginia Polytechnic Institute - "Chemistry for Global Health: Designing New Interventions Against *Anopheles gambiae*, the Malaria Mosquito"
- October 11 - **Professor Joanna Aizenberg**, Harvard University - "Hydrogel-Actuated Integrated Responsive Systems (HAIRS): Moving Towards Adaptive, Homeostatic Materials"
- October 18 - **Professor Richard Baxter**, Yale University
- October 25 - **Professor Robert Bryant**, University of Virginia - "Molecular Dynamics, Spin Relaxation, and Magnetic Image Contrast"
- November 8 - **Professor Puru Jena**, Virginia Commonwealth University - "Beyond the Periodic Table: Role of Superatoms"
- November 15 - **Professor Michel Etienne**, University of Toulouse

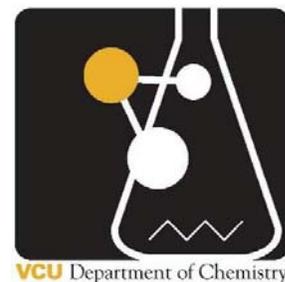
Chemistry colloquia are held at 4:00 p.m. in Room 304 of the Chemistry Building. The complete colloquium schedule is on-line at <http://chem.virginia.edu/events-seminars/>.

SEMINARS AT VIRGINIA COMMONWEALTH UNIVERSITY

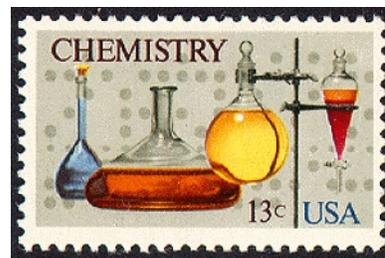
- November 12 - **Dr. Joel Harris**, University of Utah - **John B. Fenn Memorial Lecture**
- November 26 - **Dr. Richard Kiethley**, Roanoke College, "Eavesdropping on Biology, One Cell at a Time"

Seminars are held at 3:30 p.m. in the Kapp Lecture Hall, Room 1024, in the Physical Science Wing of Oliver Hall, 1001 West Main Street, Richmond.

For more information, call (804) 828-1298 or email Rhea Miller at rmiller3@vcu.edu.



Also in 1976, the U.S. Postal Service issued this commemorative stamp to honor the 100 years of existence for the ACS.



A new question. In the previous article (“...A LOOK BACK...”), there is no meeting listed for ten years ago (September, 2003).

Why did the Virginia Section not have a meeting that month?

REPORT FOR THE 2013 CHEMISTRY OLYMPIAD

Eighteen schools asked to participate in the 2013 Chemistry Olympiad with approximately 900 students nominated to take either the first year or the second year exam. From the 18 schools, two schools withdrew, five schools were put into the small school category with less than 600 student enrollment, while the remaining were classified as large schools. Some students competed in the first-year competition and others in the second-year competition. The results for each test are given below.

At each school, the student with the highest score within each class received a National Olympiad or Element pin. The following students were the highest scorers from each participating school. Many schools have more than one teacher participating; the highest student score for each teacher is listed (teacher names in parentheses). Teachers from each school also received a pin.

School	First Year	Second Year
Albemarle High School	Maegan Kirst (Oliver); Lauren Kohler (Peters); August Legallo-Malone (Gearhart)	Laura L. Ungar (Gearhart)
Battlefield High School	Justin Shaw (McLeod); Timothy Kim (Utter)	
Clover Hill High School	Andrew Price (Ramsdell); Vanessa Kay (Schmidt); Grace Oh (Klein)	Hayat Adawi (Klein)
Harrisonburg High School	Michael Walton (Smith)	Jonathan Ross (Smith)
James River High School	Emily Branch (Brunyansky); Killian Jackson (Lester); James Doyle and Eric Somerville (Edwards); and Samuel Dreith (Back)	Zoe Kendall (Brunyansky)
Loudoun County High School		Mason Hale (Leonard)
Monacan High School	Koby Johnson (Anzelone); Emily Yeatts (Rice)	
Patrick Henry High School	Joseph Sandler (Buckalew); Jonathan Scoggins (Embrey)	
Prince George High School	Caleb Togger and Trey West (Moore); Brian Watkins II (Ely)	Matthew Schneck (Moore)
St. Stephen's & St. Agnes School	Marshall Benjamin (Oakes); Khalil Hoque (Pelliccia)	Brett Williams (Oakes)
The Steward School	Daniel Kovach (Kovach)	Jung Heui So (Kovach)
The Governor's School at Innovation Park		Elijah Reese (England)

School	First Year	Second Year
The Governor's School of Southside Virginia at Alberta	Brian Evans (Williams)	
Western Albemarle High School		Lillian Xu (Stutzman)
William Monroe High School	Yesaya Iman and Courtney Sigloh (Puckett)	Nathaniel March (Puckett)

Over twenty students were invited to fill the slots for the National Olympiad exam that was given on April 13, 2013 at J. Sargeant Reynolds Community College in Richmond. No more than two students can participate from each school and each student must be a U.S. Citizen or hold a green card to be eligible for the IChO study camp. Of the following students who were nominated, thirteen students participated in the National Exam.

Laura Ungar and Yang Fei with Alternate Hannah Williams - Albemarle High School

Hayat Adawi* and Jenna Dickerson* - Clover Hill High School

Jonathan Ross and alternates Isaac Falk and Niel Mehta* - Harrisonburg High School

Zoe Kendall* and Shadrach Wilson* - James River High School

Mason Hale* and John Brabender* with alternate Wallace Teska - Loudoun County High School

Matthew Schneck and Taylor L. Clark* - Prince George High School

Brett Williams and Parker Lowe* - St. Stephen's & St Agnes' School

Elijah Reese, Faysal Shaikh*, Frederick Zhang*, and Caroline Gellene - The Governor's School at Innovation Park

Lillian Xu*, William Rogers* and Alternate Andy Cohen - Western Albemarle High School

Nathaniel March - William Monroe High School

* Students who participated in the National Olympiad Examination.

Thirteen students participated in the National Exam. The results of the national Olympiad exam showed our participants received an average score of 30 with a high of 49 and low of 19. The students received collectively five "outstanding" scores in kinetics, redox, and states of matter and received "above average" scores in at least five of the ten categories. The categories include: bonding and molecular structure, equilibrium, kinetics, descriptive and laboratory, stoichiometry and solution, organic and biochemistry, atomic structure and periodicity, oxidation and reduction, states of matter, and thermodynamics.

The students with the three highest scores from all participating schools, separated by category and by test, received gift certificates (first place \$50, second place \$25, and third place \$10). Those students who took the National Chemistry Olympiad exam also received \$50 certificates.

First Year Chemistry Olympiad Local Examination Results

Small School and Governor's School Category:

First (\$50) - **Brian Evans** – The Governor's School of Southside Virginia at Alberta

Second (\$25) - **Mostafa Negm** – The Governor's School of Southside Virginia at Alberta

Third (\$10) - **Nathan Allen** – The Governor's School of Southside Virginia at Alberta

Large School and Governor's School Category:

First (\$50) - **August Legallo-Malone** – Albemarle High School

Second (\$25) - **Michael Walton** – Harrisonburg High School;
- **Caleb Togger** and **Trey West** – Prince George High School

Second Year Chemistry Olympiad Local Examination Results

Small School and Governor's School Category:

First (\$50) - **Elijah Reese** – The Governor's School at Innovation Park

Second (\$25) - **Faysal Shaikh** – The Governor's School at Innovation Park

Third (\$10) - **Brett Williams** – St. Stephen's & St. Agnes' School

Large School and Governor's Schools Category:

First (\$50) - **Lillian Xu** – Western Albemarle High School

Second (\$25) - **William Rogers** – Western Albemarle High School

Third (\$10) - **Zoe Kendall** – James River High School;
Mason Hale – Loudoun County High School

SCHOOL AND TEAM AWARDS:

The team award has traditionally been given to the school with the three highest scores. Often the highest scores are accompanied by the very lowest scores in the same classroom, but the highest overall averaged score tells us something different about the school and the teachers. Therefore, a new category, **The School Award**, is given to the school with the highest overall average, separated by test, but not category. The school must have at least seven participants, the highest and lowest scores are discarded, with the average score determined from the remaining scores.

School Awards:

First Year Exam - **Prince George High School**

Second Year Exam - **Albemarle High School**

Team Awards are given to the schools having the highest combined total for three students separated by category and year. These schools are invited to attend a meeting of the Virginia Section and will receive a plaque to show that they won the team award.

First year Team Award

Small School & Small Governor's School - **The Governor's School of Southside Virginia at Alberta**

Large School & Large Governor's School - **Prince George High School**

Second Year Team Award

Small School & Small Governor's School - **The Governor's School at Innovation Park**

Large School & Large Governor's School - **Western Albemarle High School**

More information on the Chemistry Olympiad in the Virginia Section can be found on the Section website <http://virginia.sites.acs.org/>. Dr. Ann Sullivan is Chair of Virginia Section Olympiad Committee: asullivan@reynolds.edu.

FIFTY-YEAR MEMBERS OF THE ACS

Congratulations to these members of the Virginia Section who have been members of the American Chemical Society for fifty years (class of 2013).

Kenneth Chapman	Ruther Glen
Richard Cox	Urbanna
David Dexter	Roseland
Leslie Grady	Harrisonburg
Philip Hall	Fredericksburg
Lyal Hood	Churchville
Lynn Hughes	Richmond
Anthony Jurewicz	Williamsburg
James Miles	Winchester
Robert Orwoll	Williamsburg
William Porterfield	Farmville
Lidia Vallarino	Richmond
Leonard Vance	Midlothian
Kenneth Wynne	Richmond
Martel Zeldin	Richmond

SIXTY-YEAR MEMBERS OF THE ACS

Congratulations to these members of the Virginia Section who have been members of the American Chemical Society for sixty years (class of 2013).

John Andrako	Midlothian
Joseph DeVincentis	Richmond
Campbell Epes	Waynesboro
Robert Knospe	Charlottesville
Albert Martin	Richmond
Herbert Martin	Charlottesville
Robert Shaver	Manassas

RECOGNITION OF FIFTY- AND SIXTY-YEAR MEMBERS

Section Chair Joe Crockett has sent letters of congratulation to the 2013 fifty- and sixty-year members of the ACS. He has invited them to attend a meeting of the Section so they can be recognized for their achievements. The first person to be recognized was 50-year member Kenneth Chapman, who received his ACS certificate from Joe Crockett on May 17 at the meeting of the Executive Committee. Ken has been an active member of the Section for many years and served as chair in 2009.



CAN YOU IDENTIFY THESE PERSONS?



The photograph is from 2007, when one of the subjects received the Distinguished Service Award from the Virginia Section. Two years later, the other individual received the same award. One of them holds a Ph.D. in Chemistry from Virginia Commonwealth University; the other received his Ph.D. in Organic Chemistry from the University of California at Berkeley. Both persons are still active members of the ACS and of the Virginia Section. Currently, they both reside in Chesterfield County.

The "mystery person" shown in the Summer Bulletin is Dr. William Welstead, who is a Trustee of the Virginia Section. He is shown here with his wife Gail in a more recent photograph. The original is from 1964.

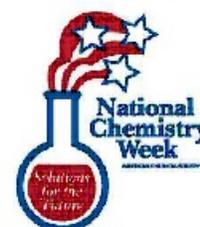


Celebrate National Chemistry Week (NCW) 2013!

Theme: “*Energy: Now and Forever!*”

October 20-26, 2013

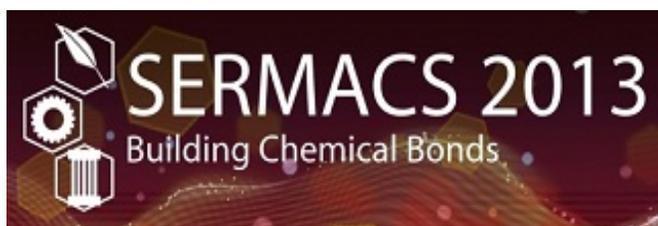
Energy is needed for our day-to-day activities, from exercising, powering the lights, or to charge your video game or cell phone. Energy is harnessed through a number of sources such as oil and natural gas, nuclear, wind, and water. Some of these sources are renewable while others are not. This National Chemistry Week will focus on what energy is, how it is produced, and identify renewable sources of energy.



Each year National Chemistry Week reaches millions of people with positive messages about the contributions of chemistry. Join in the celebration of NCW 2013! Visit www.acs.org/ncw for more information.

The Virginia section will be celebrating National Chemistry Week. More information will be in the October issue of the Bulletin. Dr. Kristine Smetana will be coordinating the NCW activities in the Section—contact her for more information or to offer ideas or help: ksmetana@jtcc.edu; (804) 706-5153.

SERMACS - 2013



“Building Chemical Bonds”

November 12-17, 2013

Loews Hotel Atlanta

Atlanta, Georgia

- SYMPOSIA – GENERAL SESSIONS – POSTER SESSIONS – EXPOSITION – SCIMIX –
- HIGH SCHOOL PROGRAMS – UNDERGRADUATE PROGRAM – TEACHERS PROGRAM –
- GRAD SCHOOL FAIR – BUSINESS RELATED SEMINARS – AWARDS DINNER –
- WORKSHOPS – CAREER ACTIVITIES – EARLY BIRD RECEPTION –

Fifty-seven sessions and workshops, 24 exhibitors, and much more! Registration is now open for the Southeast’s primary chemistry conference.

Register on line at <http://sermacs2013.org>.

ACS WEBINARS

ACS Webinars is a free, weekly online event connecting ACS members with subject matter experts and global leaders in chemical sciences, management, and business. Each webinar is 60 minutes in length, comprising a short presentation followed by a question and answer session. The live webinars are scheduled on Thursdays at 2 p.m. Recordings of past webinars are available online. For a schedule of upcoming events and more information on ACS Webinars, go to <http://acswebinars.org/>. Here are a few upcoming webinars:

Sept. 5 - Mapping the Future of Green Chemistry Education

Sept. 19 - Bend Minds with Your Bare Hands--Neil's Perspective on Negotiation

Sept. 26 - Disappearance of the Y Chromosome

Oct. 3 - Tragic Chemical Accidents--Tales, Investigations, and Lessons Learned

Oct. 10 - How Big Data Is Making Pharma Better

Oct. 17 - 9 Lessons for Innovators and Finishing Your Business Plan

Oct. 24 - Lighting the Fires that Move Your Tires: The Chemistry of Motorcycles and Cars

Oct. 31 - Hollywood Chemistry: Science on the Silver Screen

BOEHRINGER-INGELHEIM TO CLOSE PETERSBURG FACILITY

On August 14, Boehringer Ingelheim Chemicals Inc. announced that the Petersburg manufacturing plant will close at the end of 2014. Dr. Manfred Psiorz, president and CEO of BI Chemicals, said that the closure was due to changes in the pharmaceutical industry. The Petersburg plant produces active ingredients for pharmaceuticals. The closing will affect 240 employees at the Petersburg facility and will result in a loss to the city of about \$3 million from real estate and machinery and tools taxes.

NOMINATIONS FOR NATIONAL CHEMICAL TECHNICIAN AWARD

The call for nominations for the 2014 National Chemical Technician Award (NCTA) is now open. Nominees must be currently employed as chemical technicians and must have worked as chemical technicians for a minimum of five years. Nominees do not need to be ACS members. The award will consist of a trip for the winner and a guest to the Spring ACS National Meeting, March 16-20, 2014, in Dallas, TX. Additionally, the awardee will receive a \$1000.00 honorarium at a dinner held in his or her honor in Dallas. Nomination packets must be received by the Committee on Technician Affairs (CTA) no later than **September 30, 2013**. Visit www.acs.org/ncta for nomination criteria and complete details and to download the nomination or re-nomination form. Send questions to cta@acs.org.

WORDS OF WISDOM FOR SEPTEMBER: “Saints Are Sinners Who Kept On Going”

THE BULLETIN

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address service requested

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Joe Crockett

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