



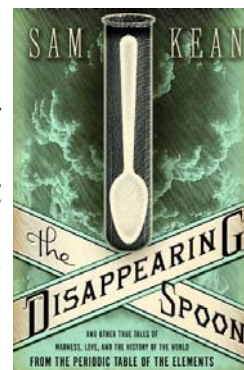
*The Bulletin*  
of the  
**Virginia Section**  
**AMERICAN CHEMICAL SOCIETY**

**SUMMER 2013 ISSUE**

**VIRGINIA SECTION MEETING**  
**FRIDAY, SEPTEMBER 20, 2013**  
**VIRGINIA COMMONWEALTH UNIVERSITY**  
**RICHMOND, VIRGINIA**  
**Sam Kean**  
**“The Disappearing Spoon”**  
**Presentation of Teacher Awards**



Mark September 20 on your calendar. Sam Kean, author of the *New York Times* bestsellers “**The Disappearing Spoon**” and “**The Violinist’s Thumb**,” will be speaking at the Section Meeting in Richmond. He will be relating interesting information on the chemical elements and the Periodic Table. Tales of passion, adventure, betrayal, and obsession! You won’t want to miss this special event.



The September meeting will also include the annual presentation of the Section’s awards to outstanding teachers. The 2013 recipients will be

**Tammy Stone** - East Rockingham High School, Rockingham County – The Franklin D. Kizer Distinguished High School Chemistry Teacher Award;

**Linda Herron** - Kate Collins Middle School, Waynesboro – The Distinguished Middle School Science Teacher Award; and

**Laura Shiflett** - Academy of Academic Excellence, Short Pump – The Distinguished Elementary School Science Teacher Award.

**\*\*\* VIRGINIA SECTION NEWS \*\*\*****OFFICER NOMINATIONS**

The Nominations Committee of the Virginia Section is accepting nominations for 2014 officers. We are actively looking for members who are interested in officer or councilor positions. Duties for these can be found in the job manual which is posted on the Section website: <http://virginia.sites.acs.org/aboutUs/jobmanual.htm>. Any member of the Section who is in good standing may be nominated, including regular student members. Self-nominations are also accepted. For more information, contact the chair of the Nominations Committee, Karen Carter, at (804) 521-7369; [kcarter@aibiotech.com](mailto:kcarter@aibiotech.com).

**THE CHAIR'S CORNER**

As the start of the school year approaches, all teachers are getting busy preparing lesson plans (syllabi) for the coming year. We are also looking at outside activities which can be useful for our classes—something to enhance the educational experience, get students more interested in chemistry, and maybe score a few points with administrators (never hurts!).

National Chemistry Week will be held October 20 to October 26 with the topic “Energy, Now and Forever”. This is a topic which we should have no trouble getting our student interested in. “NCW encourages chemists and chemistry enthusiasts to build awareness of chemistry at the local level. Local Sections, businesses, schools, and individuals are invited to organize or participate in events in their communities with a common goal: to promote the value of chemistry in everyday life”. (from the ACS website)

There are several suggestions and guidelines at the ACS website ([www.acs.org/content/acs/en/education/outreach/ncw.html](http://www.acs.org/content/acs/en/education/outreach/ncw.html)) to help people get ready for NCW. You can come up with other ideas depending on where you are in the section. If you need help or guidelines for NCW, let me know and we will get information to you and your school. If you are a retired chemist and would be willing to work with a local school on this project, either let them know or let me know and I'll help you find an outlet. I encourage our two- and four-year colleges to also reach out to high schools in your area to help.

Last year there were no Chemluminaries awarded for NCW high school chem clubs because of few applications. The Virginia Section had eight nominations in other areas and it would be great to be able to submit multiple nominations from high school AND college chem clubs in our section.

Joe Crockett  
2013 Chair, Virginia Section  
[jrocket@bridgewater.edu](mailto:jrocket@bridgewater.edu)

## SECTION MEETINGS - FALL, 2013

**September 20, 2013** - Virginia Commonwealth University, Richmond, Sam Kean, "The Disappearing Spoon" **PRESENTATION OF TEACHING AWARDS**

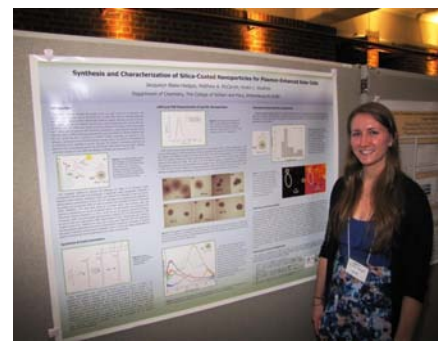
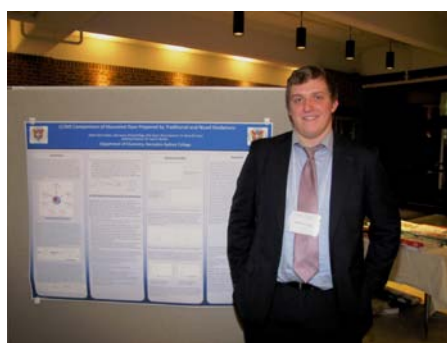
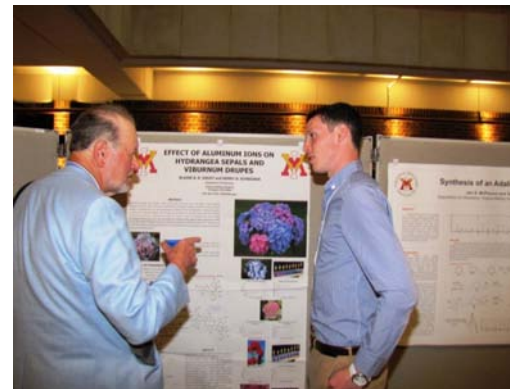
**October 18, 2013** - Longwood University, Farmville

**November 8, 2013** - University of Mary Washington, Fredericksburg, Dr. Janet Asper, "From Diapers to Deepwater Horizon: Structure, Applications, and Synthesis of Superabsorbent Polymers"

NOTE: There will not be a Section meeting in December, 2013.

## REPORT ON THE APRIL MEETING OF THE VIRGINIA SECTION

The April 2013 meeting of the Virginia Section was held on April 19 at the University of Virginia in Charlottesville; Dr. Joseph Crockett, Section Chair, presided. Dr. Clifton Draper of Tri-Dim Filter Corporation spoke on "I Have Never Let My Schooling Interfere with My Education." He was introduced by Jennifer Bergner, a senior chemistry major at the University of Virginia. About 65 persons attended Dr. Draper's very interesting presentation. At the Poster Session, 22 papers were presented by students from eight colleges and universities (information on the papers is given below). This marked the 27<sup>th</sup> consecutive year of the Poster Session that highlights undergraduate student research. Eleven outstanding students at colleges and universities within the Virginia Section were recognized as part of the evening's program (see list below). Special thanks to Jim Demas and his colleagues at the University of Virginia for organizing this successful meeting.



## OUTSTANDING CHEMISTRY GRADUATES

At the April meeting, the Virginia Section recognized graduating seniors from colleges and universities within the Section. Schools in the Virginia Section were invited to nominate senior chemistry majors for this honor. The outstanding students for the year 2013:

### College/University

Bridgewater College  
 College of William & Mary  
 Hampden-Sydney College  
 James Madison University  
 Longwood University  
 Randolph-Macon College  
 University of Mary Washington  
 University of Richmond  
 University of Virginia  
 Virginia Commonwealth University  
 Virginia State University

### Student

Matthew H. Cline  
 Jacqueline M. Blake-Hedges  
 Steven Nelson  
 Alisa A. Leavesley  
 Jimmie Bullock  
 Mary Megan Mooberry  
 Mae Alexandra Carpenter  
 Janas N. Neferu  
 Jennifer Bergner  
 Michael Wood  
 Katrina Jones



*Section Chair Joe Crockett Presents a Student Certificate to Jennifer Bergner of the University of Virginia*

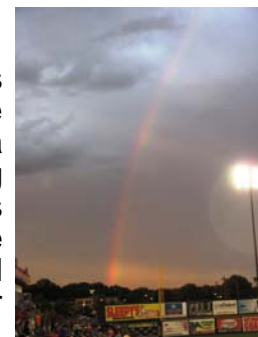


*Joe Crockett with some of the Outstanding Student award winners – April 19, 2013  
 Left to right: Joe Crockett, Jacqueline M. Blake-Hedges, Matthew H. Cline, Jennifer Bergner, Mae Alexandra Carpenter, Katrina Jones*

## FLYING SQUIRRELS GAME



On August 1, a small band of Virginia Section members braved the elements at the Diamond in Richmond to see the Richmond Flying Squirrels take on the Portland Sea Dogs in Class AA baseball. Unfortunately, a strong thunderstorm passed through just before the game was scheduled to start, resulting in a two hour, ten minute rain delay. At least, everyone got to enjoy a beautiful rainbow over Richmond! The handful of ACS folks who stayed to the bitter end (after midnight) saw the Squirrels pull out a 6-5 victory in ten innings.



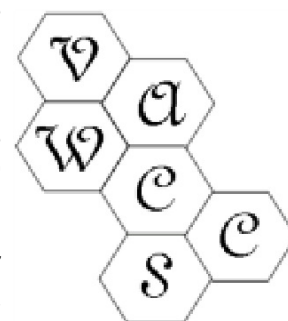
Some of the slightly damp Section members and guests at the Squirrels game:



## WCC SUMMER NETWORKING EVENT



On June 8, thirteen members of the ACS Women's Chemists Committee, the Society of Women Engineers, and Virginia Commonwealth University's Association of Women in Mathematics and their guests gathered at the Stone Barn at Maymont for the summer networking event. This provided an opportunity for women in technical fields to meet and share their experiences. Dr. Denise Walters, Principal Scientist at Pfizer Consumer Healthcare, introduced the speaker, Dr. Jean Gasen, Executive Director of the Center for Corporate Education at Virginia Commonwealth University. Dr. Gasen related her personal story and shared her passion for enabling women to reach their full potential. She also spoke about the Extraordinary Women Leadership program at VCU. A question and answer session was followed by an activity giving women insight into how their body language communicates messages to others.



The annual Chemistry Career Discussion Panel is being planned for the November 8 meeting of the Virginia Section, to be held at the University of Mary Washington in Fredericksburg. Dr. Janet Asper is the contact person for this event. WWC members are planning to volunteer their help with the Girls in Science event, sponsored by DuPont in the fall; Dr. Colleen Taylor is working on this.



## CORRECTION TO EXECUTIVE COMMITTEE LIST

In the April issue of the Bulletin, Dr. Joseph Pompano's name was left off the 2013 Executive Committee list for the Virginia Section. Our apologies to Joe. Here is the correct information to be added to the "Members-At-Large" section of the list:

Dr. Joseph M. Pompano  
Arista Laboratories  
1470 E. Parham Rd.  
Richmond, VA 23228  
(804) 887-2100  
[Joe.Pompano@aristalabs.com](mailto:Joe.Pompano@aristalabs.com)

## PERIODIC TABLE CAFÉ AT THE SCIENCE MUSEUM



The newly-renovated restaurant at the Science Museum of Virginia in Richmond has been named "The Periodic Table." The 42-seat café, located just inside the main entrance to the Museum, serves over 75,000 patrons annually. It includes a wall showing pictures of the elements arranged as a periodic table. The café will feature presentations highlighting particular elements or chemical families. The first of these is a demonstration of the "colors" of several of the noble gases. The menu board shows the prices for a selection of "Elements of Good Taste," including "nano", "mega", and "giga" sizes for various beverages.

The Periodic Table Café complements a new exhibit gallery in the lower level of the Museum. The exhibit offers visitors opportunities to improve themselves, in mind and body. A demonstration kitchen is a focal point, featuring programs on nutrition and kitchen chemistry. Virginia Section members Dr. Kelli Slunt and Dr. William Welstead served as advisors to the Science Museum in the development of the new exhibits, including the Periodic Table Café. SMV staff member David Hagan is a member of the Executive Committee of the Virginia Section and provided the photographs and information for this article.

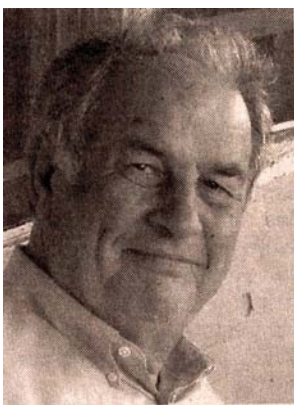


The Menu Board at the Periodic Table Café, part of the Science Museum of Virginia in Richmond



Visitors at the new Kitchen Theater, Lower Level of the Science Museum, 2500 W. Broad Street

## HERNDON JENKINS DIES



Dr. Herndon Jenkins, long-time member of the Virginia Section, died on March 25, 2013 in Atlanta, Georgia. Born in Washington, D.C. in 1932, he graduated from the College of William and Mary with a major in chemistry and in 1959 he received a Ph.D. in Organic Chemistry from Northwestern University. From 1960 until 1978 he worked as a chemical researcher at the A.H. Robins Company in Richmond. He was Director of Chemical Research at Robins from 1967 until 1972 and later served as Assistant Director of Scientific Development. He left Richmond in 1978 to take a position as Technical Director at Creomulsion Company (Summit Industries) in Atlanta. He retired from Summit in 2007.



Don was an active member of the Virginia Section and held several leadership positions. He was Chair of the Section in 1974. Prior to that he was Secretary, Treasurer, Vice Chair, and Chair-Elect. He also served on the Hospitality Committee, the Radio and TV Committee, and the Publications Board. From 1963 through 1965 he was Business Manager of the Bulletin. He chaired the Operation Interface Steering Committees in 1968 and 1970.

Don also taught Organic Chemistry and Scuba Diving at Virginia Commonwealth University. He loved nature, science, history, books, and food, traveled extensively during his retirement years, and enjoyed flying his own single-engine plane. To quote from his obituary (Richmond *Times-Dispatch*, April 14, 2013), "A pure man of science, he believed in that which could be observed, measured, and replicated in nature or in a laboratory."

## CHEMLUMINARY NOMINATIONS

Each year, the American Chemical Society recognizes outstanding achievements by local sections and divisions through a series of ChemLuminary Awards. The Virginia Section has been fortunate in receiving several awards in past years. We have been notified by Dr. Maringa Li Wu, President of the ACS, that this year the Section has been selected as a finalist for a record **eight** Chem-Luminary Awards. The categories include:



- Creative & Innovative Use of the Chemists Celebrate Earth Day Theme
- Outstanding Community Involvement in Chemists Celebrate Earth Day
- Outstanding NCW Event for a Specific Audience
- Outstanding On-going NCW Event
- Outstanding Local Section Career Program Award (Large to Very Large)
- Outstanding Local Section Career Program Award (Small to Medium Large)
- Most Innovative New Activity or Program
- Outstanding Program Aimed at Retaining Women in the Chemical Enterprise

The ChemLuminary Awards will be presented on September 10 at the ACS National Meeting in Indianapolis.

In 2012 the Virginia Section received a ChemLuminary Award for an outstanding career program. This recognized the Section's Career Fair at SERMACS 2011. Dr. Pat Barber, who coordinated the career activities at SERMACS 2011, received the award for the Section. A second award was given to the Section for Outstanding Community Involvement in Chemists Celebrate Earth Day. Dr. Kristine Smetana, Chair of the Section's Community Activities Committee and coordinator of the CCED activities, received the award at the national meeting in Philadelphia. The Section received other ChemLuminary Awards in 2008, 2009, and 2011.

### "KEANIUM"

Sam Kean, author of the best-selling books *The Disappearing Spoon* and *The Violinist's Thumb*, is writing a regular column titled "Keanium" for **Chemical Heritage** magazine. The articles began in the Spring 2012 issue with some interesting stories relating chemistry and chemists to money ("Money Trouble"). Recent columns include "Rocky Road" in the Spring 2013 issue and "Wild Ice" in the Summer 2013 issue. **Chemical Heritage** is published by The Chemical Heritage Foundation (CHF), a collections-based nonprofit organization that preserves the history and heritage of chemistry, chemical engineering, and related sciences and technologies. The CHF Board of Directors includes Dr. Jeffrey I. Seeman, member of the Virginia Section and recipient of the Section's Distinguished Service Award in 2007.

Sam Kean will be the featured speaker at the Virginia Section meeting on September 20 at Virginia Commonwealth University in Richmond.



## SECTION MEMBER VISITS CHINA



Dr. Sheryl Baldwin, member of the Virginia Section and a past-Chair, recently visited China as part of an Environmental Technology Delegation sponsored by the Citizen Ambassador Program. The group met with counterparts in China to discuss environmental challenges and technologies to address them. While in China, they visited the Chengdu Research Base of Giant Panda Breeding in Chengdu. The Research Base has launched a free 24-hour live Internet broadcast of their pandas (the panda cam). Go to [www.panda.org.cn/english/](http://www.panda.org.cn/english/) for more information on the Chengdu facility, giant pandas, and the panda cam.

## 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:

Aug. 22 - ACS Fellows Series: Keys to a Successful Career

Sept. 5 - Green Chemistry Education, Charting a Course for the Future

Sept. 26 - Disappearance of the Y Chromosome

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

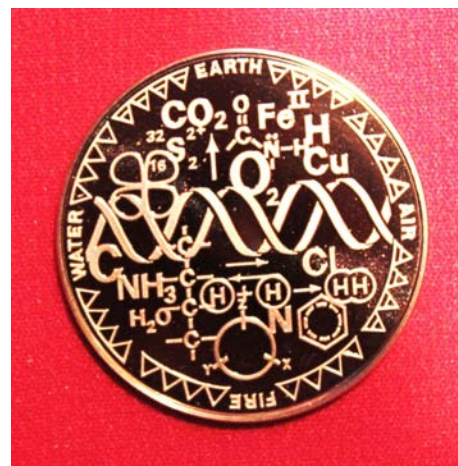
Oct. 10 - The Increasing Importance of Informatics in the Pharmaceutical Industry

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

## QUESTIONS FROM THE PAST

This question was asked in the April Bulletin: Dr. Sheryl Baldwin resigned recently from her position as co-chair of the Government Relations Committee for the Virginia Section. **When did the Section establish the Government Relations Committee and who were the co-chairs when it was founded?** The Government Relations Committee was established in **1986**. Dr. Sheryl Baldwin and Dr. Gordon Melson were appointed co-chairpersons of the committee. Other committee members were Dr. Allan Powell, Dr. Oscar Rodig, and Dr. Donald Shillady. Dr. James R. Shanklin, Jr., was Chair of the Virginia Section in 1986.

A new question from the past: **Do you recognize this medal?** It was struck in 1976. Would anyone like to offer an explanation of the various items shown on it? The person who provides the most information will receive a commemorative U.S. coin (not this one). Send your entry to Jim Beck at [beckjd1977@comcast.net](mailto:beckjd1977@comcast.net) or to 1977 Vesonder Road, Petersburg, VA 23805. Deadline for entries is September 15, 2013.





## RICHMOND STEM FAIR WINNERS



The 2013 Metro Richmond STEM Fair (formerly the Metro Richmond Science Fair) was held on March 23 at Hanover High School. The Virginia Section provides support for chemistry winners. Arjun Jaini, the first place winner, received a \$100.00 gift card for his project titled "A Quantum Mechanical Study of Tautomeric Triggers of Bergman Cyclization." He is an 11<sup>th</sup> grade student at Hanover High School. The second place winner was Tiffany Wang, an 11<sup>th</sup> grader at the Science, Math & Technology Center at Godwin High School in Henrico County. She received a \$50.00 gift card for her project "Caffeine Levels in Different Types of Tea."

The STEM Fair is an affiliated regional fair of the Intel International Science and Engineering Fair (Intel ISEF) and is Central Virginia's qualifying fair for the Intel ISEF and the Broadcom MASTERS Competition. It is funded by the MathScience Innovation Center (MSiC) and the MSiC Foundation. The title sponsors for the Metro Richmond STEM Fair are DuPont and Dominion. Additional sponsors include FAREVA, Martin's, the Virginia Credit Union, Afton Chemical, Pfizer, and Bon Secours Children's services. Full information can be found at <http://sciencefair.msinnovation.info/index.htm>.



## CHEMISTRY SEMINARS AT THE UNIVERSITY OF VIRGINIA

Sept. 13 - **Professor John Y. Yates, Jr.**, University of Virginia

Sept. 20 - **Professor David N. Beratan**, Duke University - "Does Evolution Care about Quantum Mechanics? Electrons, Bioenergetics, and Life"

Sept. 27 - **Professor Paul Carlier**, Virginia Polytechnic Institute - "Chemistry for Global Health: Designing New Interventions Against *Anopheles gambiae*, the Malaria Mosquito"

Oct. 11 - **Professor Joanna Aizenberg**, Harvard University - "Hydrogel-Actuated Integrated Responsive Systems (HAIRS): Moving Towards Adaptive, Homeostatic Materials"

Oct. 18 - **Professor Richard Baxter**, Yale University

Oct. 25 - **Professor Robert Bryant**, University of Virginia - "Molecular Dynamics, Spin Relaxation, and Magnetic Image Contrast"

Nov. 8 - **Professor Puru Jena**, Virginia Commonwealth University - "Beyond the Periodic Table: Role of Superatoms"

Nov. 15 - **Professor Michel Etienne**, University of Toulouse

## CAN YOU IDENTIFY THIS PERSON?



The photograph is from 1964, the year when the subject began working at the A.H. Robins Company. He went on to become the Director of Chemical Research at Robins and then the Assistant Vice President of Global Analytical Development at Whitehall-Robins Healthcare. He served as Chair of the Virginia Section in 1978, received the Distinguished Service Award in 1983, and was recognized as an Outstanding Innovator in 1999.

The four persons shown in the April Bulletin were Jerry Bass, Helen Kizer, Bill Welstead, and Jim Beck. They gathered on February 23 in Lancaster, Virginia to celebrate Helen's 95<sup>th</sup> birthday.



**STUDENT POSTER PRESENTATIONS**  
**APRIL 19, 2013**  
**UNIVERSITY OF VIRGINIA**

Joshua P. Bates, Nathan C. Gibbs, David D. Warriner, and Stanton Q. Smith, Department of Chemistry, Virginia Military Institute - "Synthesis of Potential Liquid Crystals"

Jacquelyn Blake-Hedges and Kristin L. Wustholz, Department of Chemistry, College of William and Mary - "Synthesis and Characterization of Silica-Coated Nanoparticles for Plasmon-Enhanced Solar Cells"

Kelvin Chan, Kelly Aiken, Daniel Baerthlein, Hyun Ji, Zorik Keshishian, Eli Miller, Jessica Szalc, Kimberly Stanek, Cameron Mura, and Carol Price, Department of Chemistry, University of Virginia - "Characterization of the Function of a Putative Serine-Pyruvate Aminotransferase from *Psychrobacter arcticum* (PaSPAT)"

Matthew Cline & Erich Brumbaugh, Department of Chemistry, Bridgewater College - "Statistics in Enzyme Kinetics"

Jeff Davidson and Leanna C. Giancarlo, Department of Chemistry, University of Mary Washington - "An Adsorption Phenomenon: Analyzing Carboxylic Acid Molecules Via STM"

John Dekarske, John Fitzgerald, and Dr. Paul H. Mueller, Department of Chemistry, Hampden-Sydney College - "Development of a Method for Determining the Amount of Barium Leached for Mid-Fired Glaze"

Blaine Groat, Department of Chemistry, Virginia Military Institute - "Effect of Aluminum Ions on Hydrangea Sepals and Viburnum Drupes"

Victoria Hall, China Green, Erik Eklund, Katherine Lambertson, Steven Tan, Jordan Kramer, Annelise Bederman, and Linda Columbus, Department of Chemistry, University of Virginia - "Functional Characterization of Cystathionine  $\beta$ -lyase from *Lactobacillus delbrueckii*"

Nikolas Hayes, Anita Or, Payal Patel, Michael Pokrass, Paul Riehl, Joseph Tilitsky, Victor Teran, Jennifer Tomlinson, Cameron Mura, and Carol Price, Department of Chemistry, University of Virginia - "Kinetic Characterization of a Putative Aspartate Aminotransferase from *Rhodobacter sphaeroides*"

Robert F. Higgins and Mae Alexandra Carpenter, Department of Chemistry, University of Mary Washington - "Poly(ethylene glycol) Tagged Guanidinylation Reagents Based on Thiourea and Guanylpiprazole"

Kanishk Jain, Peter S. Randolph, and Cameron Mura, Department of Chemistry, University of Virginia - "Biochemical Characterization of Two Sm-like Archaeal Proteins"

Eric Johnson and Katherine N. Crowder, Department of Chemistry, University of Mary Washington - "Modifying Copper Surfaces with Azide-terminated Phosphonic Acids: A Platform for Surface Functionalization via Click Chemistry"

Katrina Jones and Colleen Taylor, Department of Chemistry, Virginia State University - "Raman Studies of the Formation of Tetrahedral  $[\text{Co}(\text{DMP})(\text{SiO})_2]$  (DMP = 1,10 - 2,9 - dimethylphenanthroline) Surface Complex in Sol-Gel Monolithic Materials"

Haina Li, Joshua Pan, Bethany Leavens, B. A. DeGraff, Wenying Xu, Evan Reynolds, and J. N. Demas, Department of Chemistry, University of Virginia - Low-Level Luminescent Detection of Lead in Drinking Water"

Hien T. Luong and Indika U. Arachchige, Department of Chemistry, Virginia Commonwealth University - "Sol-Gel Assembly of Ag Hollow Particles into Ag Aerogels"

Alexander Mathew, Michael Koenig, Matthew Sandridge, James Demas, and Eun Yi, Department of Chemistry, University of Virginia - "Digitized Luminescence: Inexpensive Quenching and Lifetime Methods"

Iain S. McPherson and Tappey H. Jones, Department of Chemistry, Virginia Military Institute - "Synthesis of an Adaline Homologue"

Stephen Nelson and Brandon Crosby, Department of Chemistry, Hampden-Sydney College - "The Raspberry Pi as a Platform for Chemical Instrumentation"

Tomihiko Ono, Ryan C. Oliver, and Linda Columbus, Department of Chemistry, University of Virginia - "Modulating Detergent Micelle Fluidity for Membrane Protein Structural Studies"

Philip Pryor and Daniel Harrison, Department of Chemistry, Virginia Military Institute - "Ru Single-Site CO<sub>2</sub> Reduction Electro-Catalyst Mechanistic Investigation and Insights"

Madeline Sargent, Jennifer Yi, Katherine DeSilva, Zenad Jarrar, Austin McCalla, Elleansar Okwei, Linda Columbus, Carol Price, Cameron Mura, and Catrina Campbell, Department of Chemistry, University of Virginia - "Investigating a Putative D-Serine Deaminase from *Burkholderia xenovorans*"

Robert K. Saxton, Josh Isaacs, Richard Magg, Seth Ayres, Wyn Hannum, Kevin M. Dunn, and Paul H. Mueller, Department of Chemistry, Hampden-Sydney College - "LC/MS Comparisons of Mauveine Dyes Prepared by Traditional and Novel Oxidations"

## **SERMACS - 2013**



**"Building Chemical Bonds"**

**November 12-16, 2013**

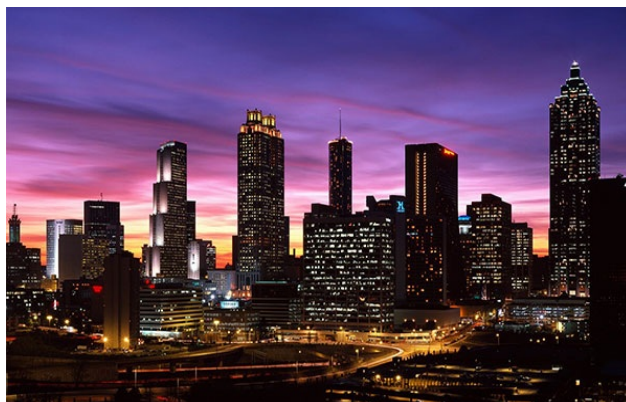
**Loews Hotel Atlanta**

**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 -

**DEADLINE FOR ON-LINE ABSTRACT SUBMISSION - September 8**

It is not too early to begin planning to join your colleagues for the 65<sup>th</sup> ACS Southeastern Regional Meeting to be held November 12-16, 2013 in Atlanta, Georgia. The theme for SERMACS 2013 is "Building Chemical Bonds," and the meeting program will feature symposia centered on the interactions among academia, industry, and government with programming for chemists of all ages and experience levels. The venue for the event will be the newly-constructed Loews Atlanta Hotel, located in the heart of midtown Atlanta. For more information, visit the SERMACS2013 web site: [www.SERMACS2013.org](http://www.SERMACS2013.org).



**WORDS OF WISDOM FOR THE SUMMER:** "If There Is No Struggle, There Is No Progress"

**TEACHER AWARDS MEETING - SEPTEMBER 20 -  
VIRGINIA COMMONWEALTH UNIVERSITY**

***THE BULLETIN***

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*address service requested*

***OFFICERS OF THE VIRGINIA SECTION OF THE ACS***

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**Chair - Dr. Joseph Crockett (540) 828-5431**



*Joe Crockett*

**Chair Elect - Dr. Scott Gronert (804) 828-2753**  
**Vice Chair - Dr. Todd Koch (804) 257-2890**  
**Secretary - Dr. Rob Davidson (804) 788-6327**  
**Treasurer - Dr. Stephanie Mabry (804) 639-6991**  
**Bulletin Editor - Dr. James Beck (804) 733-5286**  
**Bulletin Publisher - Dr. Will Lewis (804) 274-5869**