



The Bulletin
of the
Virginia Section
AMERICAN CHEMICAL SOCIETY

OCTOBER MEETING NOTICE

OCTOBER 2011

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| | | | | <i>meeting</i> | | |
| 30 | 31 | | | | | |

SCIENCE MUSEUM OF VIRGINIA
Richmond, Virginia
Thursday, October 27, 2011

RECEPTION: 6:00 p.m.
Science Museum of
Virginia
2500 W. Broad Street

DINNER: 6:30 p.m.
Science Museum

PROGRAM: 7:30 p.m.
Science Museum

MENU: Santa Barbara Salad, Charleston Chicken Breast, Porcini Crusted Beef Tenderloin, Butternut Squash Jumbo Ravioli, Brussel Sprouts, Cheddar and Sun Dried Smashed Potatoes, Pumpkin-Ginger Snap Tiramisu, Beverages

PRICE: \$10.00 (no reductions)

DINNER RESERVATIONS: Please make reservations for the dinner by **NOON on Friday, October 21** by calling Karen Carter at (804) 521-7369 or by e-mail to kcarter@aiotech.com (if reservation not made through SERMACS) ******SEE SPECIAL NOTE ON RESERVATIONS - PAGE 4******

HOST: Dr. Joseph Pompano, (804) 852-6896, sermacs2011@gmail.com

SPEAKER: Dr. M. Samy El-Shall, Virginia Commonwealth University

TOPIC: "Chemistry Makes Strong International Bonds"

AWARDS: The ACS E. Ann Nalley Award for Volunteer Service
The ACS Stanley C. Israel Award for Advancing Diversity
in the Chemical Sciences

Dr. M. Samy El-Shall



M. Samy El-Shall is a Professor of Chemistry and Chemical Engineering at Virginia Commonwealth University (VCU). He received his B.S. and M.S. degrees from Cairo University in Egypt, and a Ph.D. in Physical Chemistry with Distinction from Georgetown University in 1986. He did postdoctoral research in nucleation and clusters at the University of California, Los Angeles from 1986-1989. His research interests are in the general areas of molecular clusters, nucleation, gas phase and cluster polymerization, synthesis and properties of nanostructured materials, graphene and nanocatalysis. He has published over 195 papers in the most prestigious and widely read journals of Chemistry, Chemical Physics and Nanomaterials. Dr. El-Shall was awarded several US patents (8 issued, 4 pending) on the synthesis of nanoparticles, photoluminescence of silicon nanocrystals, magnetic intermetallic nanoparticles, nanoparticle catalysts, and nanoparticle additives for fuels and lubricants. Dr. El-Shall received the Exxon Education Award in

1994 and 1995. In 1999, he was honored with the Outstanding Faculty Award of the State Council of Higher Education of Virginia (SCHEV), Virginia's highest faculty honor. Dr. El-Shall received the Distinguished Research Award in 2009 from the Virginia Section of the American Chemical Society (ACS). In 2009, he was awarded the Innovative Research Award from the Society of Automotive Engineering International for his research on novel oil soluble nanoparticles to reduce friction and enhance lubrication. In 2011, Dr. El-Shall received the Virginia Commonwealth University Distinguished Scholarship Award.

Dr. El-Shall has been a member of the US National Committee for the International Union of Pure and Applied Chemistry (USNC/IUPAC) since 2005. He is currently the Editor-in-Chief of the *Open Physical Chemistry Journal* (2010 -) and member of the Editorial Boards of the *International Journal of Photoenergy* (2007-), the *Journal of Physical Chemistry* (2006 – 2009), *Metals* (2011 -), the *Journal of Nanotechnology Progress International (JONPI)*, and the *Annual Review of Graphene* (2011 -).

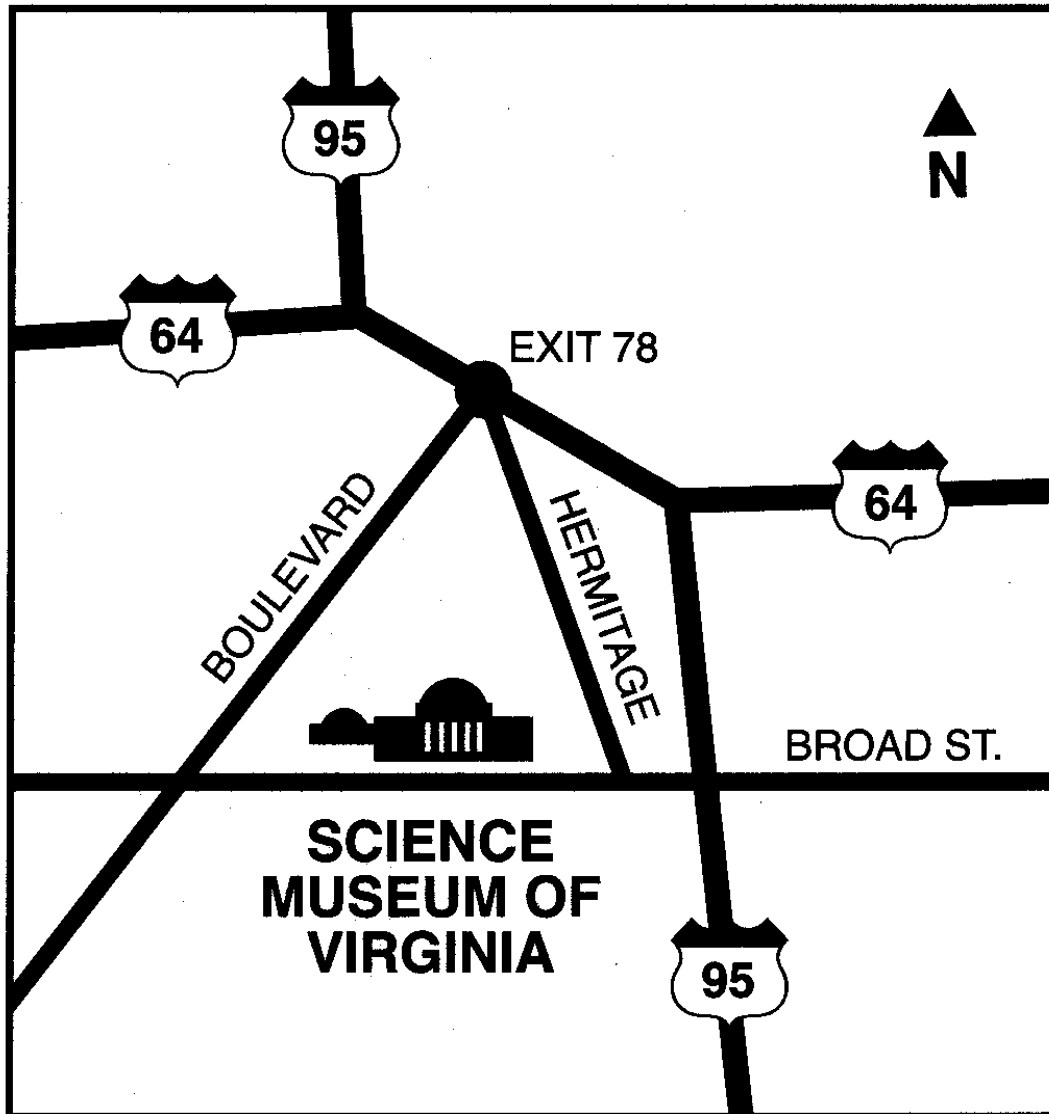
Dr. El-Shall was the chairman of the “International Conference on Nanoparticles from the Vapor Phase Synthesis with Chemical and Biochemical Applications” in Davos, Switzerland, 2004. He also organized and chaired three US – Egypt Workshops on “Advanced Materials, 2000”, “Laser Chemistry and Applications to Materials, 2004”, and “Nanostructured Materials and Nanotechnology, 2005”. He chaired the NSF Advanced Studies Institute on “Nanocatalysis for Energy and Environmental Applications” that was held in Cairo, Egypt in March 2010.

Dr. El-Shall’s research has been supported by the National Science Foundation, NASA, DoD, NIST, Petroleum Research Fund, Dreyfus Foundation, Jeffress Memorial Trust, Exxon, Dow Corning, Philip Morris, and Afton Chemical.

“Chemistry Makes Strong International Bonds”

Science always knows no boundaries but today, more than ever, research in chemistry is becoming truly international. This talk will focus on the international aspects of chemical research and education. Chemical research and education should prepare the future workforce to be agile thinkers in this global environment and, to forge collaborations and cooperation among scientists and engineers around the world. The observance of the International Year of Chemistry (IYC) this year presents challenges and opportunities for our discipline and the chemical enterprise to address global issues in Energy, Health and Environment. Examples of successful international collaboration in addressing these global issues will be presented and new mechanisms to enhance international collaboration will be discussed.

MAP AND DIRECTIONS



The Science Museum of Virginia is located in mid-town Richmond, Virginia, at 2500 West Broad Street in the historic Broad Street Station designed by renowned architect John Russell Pope. The Science Museum of Virginia is easily reached via Interstate 95 and Interstate 64.

From the north or west: Take I-95 South or I-64 East to Richmond (I-95 and I-64 run together through Richmond). From I-95, take the Boulevard exit (# 78), bear right onto Boulevard. Take Boulevard to West Broad Street (US 250) (4th traffic light). Turn left onto West Broad Street and go two blocks. The Science Museum is on your left.

From the south or east: Take I-95 North or I-64 West to Richmond (I-95 and I-64 run together through Richmond). From I-95, take the Boulevard exit (# 78) and bear left onto Hermitage Rd. Take Hermitage south for 1.3 miles to West Broad Street (US 250). Turn right onto West Broad St. and proceed for one half mile. The Science Museum is on your right.

There is ample free parking adjacent to the museum.

VIRGINIA SECTION NEWS

SPECIAL NOTES ON THE OCTOBER 27 MEETING



International Year of
CHEMISTRY
2011

The Section meeting on Thursday, October 27 is part of the SERMACS 2011 program (information on SERMACS can be found below). This meeting will celebrate the International Year of Chemistry (IYC 2011) and will feature an address by Dr. M. Samy El-Shall on "Chemistry Makes Strong International Bonds." In addition, two special Southeastern Regional ACS awards will be presented: the ACS E. Ann Nalley Regional Award for Volunteer Service and the ACS Stanley C. Israel Award for Advancing Diversity in the Chemical Sciences. The Awards Dinner is sponsored by Eastman Chemical Company.

Dinner Reservations: Space is limited at the Science Museum. Place your dinner reservation early! If you have registered for the SERMACS meeting and made a dinner reservation as part of your registration process, **please do not call or e-mail Karen Carter** — your reservation will be handled through SERMACS. Only persons who did not make dinner reservations with their SERMACS registration need to contact Karen at (804) 521-7369 or by e-mail to kcarter@abiotech.com. Remember to make your reservation as early as possible to ensure your space at this event.

FUTURE MEETINGS

DATE: **December 2, 2011**
 LOCATION: Virginia Union University
 Richmond, VA
 HOST: Dr. Dorothy Eseonu
 PHONE: (804) 257-5615
 E-MAIL: dneseonu@vuu.edu
 SPEAKER: Dr. Randy L. Bell
 TOPIC: "Theories, Laws, and Other Dangerous Ideas"
Presentation of Teacher Awards

DATE: **January 13, 2012** (tentative)
 LOCATION: Randolph-Macon College
 Ashland, VA
 HOST: Dr. Serge Schreiner
 PHONE: (804) 752-7206
 E-MAIL: sschrein@rmc.edu

DATE: **March 16, 2012**
 LOCATION: University of Richmond
 Richmond, VA
 HOST: Dr. Lisa Gentile
 PHONE: (804) 484-1578
 E-MAIL: lgentile@richmond.edu
(POWELL LECTURESHIP)

SERMACS 2011

October 26 - 29

Richmond, Virginia

"Charting Chemical Connections" (see pages 12-15)

SERMACS 2011 Networking Event
Women Chemists Committee Luncheon
Friday October 28
Omni Hotel, 100 South 12th Street, Richmond

Event Schedule:

- 11:30 A.M.** **Gathering and Networking, Wine Room**
12:00 P.M. **Welcome and Lunch Served, Magnolia Room**
12:30 P.M. **Keynote Speaker**

Catherine T. "Katie" Hunt, Ph.D.
R&D Director, Innovation Sourcing & Sustainable Technologies
The Dow Chemical Company
My Career....Your Options: Lessons in Life, Love and Leadership!



We'll start with a few lessons in life, love and leadership and include a few tips on surviving a corporate merger. But I'm getting ahead of myself; what started out as a few years in industry before heading off to academia – turned into a 27-year adventure that continues to hold my interest. I have learned the importance of watching what you ask for, nurturing your networks, and continually reinventing yourself. Come prepared to listen, learn and expand your network considerably! Yes, we'll squeeze in a little speed networking to spice up the lunchroom in true ACS WCC style!

Tickets for this event are available now for \$25

Seating is limited so reserve your tickets by October 15

Purchase tickets online when registering for SERMACS 2011:

<http://sermacs2011.org/registration/>

or purchase tickets for this event directly from the Virginia Section WCC:

contact Stephanie Mabry at (804) 788-5280 or stephanie.mabry@afonchemical.com

(Dr. Hunt's photo courtesy of Peter Cutts Photography)

THE CHAIR'S CORNER

The Southeast Regional ACS meeting (SERMACS 2011) is just days away but there is still time to register for this exciting meeting. The last time the Virginia Section hosted this meeting was in 1991, and it is anticipated that over 1200 attendees will attend the meeting being held at the Omni Hotel in Richmond. The SERMACS committee has worked hard to put together a diverse program of symposia and events, and many of our student members have volunteered to help out during the meeting by providing directions and answering questions of attendees. However, more volunteers to help out during the meeting are still welcome and needed. Let's show our hospitality to chemists attending from across the Southeast.



Just a reminder, that there will not be a regular Section meeting for October. Instead, members of the section are invited to attend SERMACS and the Awards Dinner and International Year of Chemistry (IYC 2011) event being held on Thursday, October 27 at the Science Museum of Virginia as part of SERMACS 2011. This dinner event is being sponsored by Eastman Chemical and will feature Professor M. Samy El-Shall, a member of the faculty of VCU and a native of Egypt, as the keynote speaker. Reservations for this dinner can be made online when you register for SERMACS at www.SERMACS2011.org or by contacting Karen Carter at (804) 521-7369; kcarter@aibiotech.com (see special note on page 4 about making reservations for this meeting).

Finally, I want to encourage all members of the Virginia Section to vote in the upcoming election of officers for 2012. Details of the election and this year's candidates can be found in this issue of the Bulletin. Voting can be done electronically starting October 17 and ending November 7. It is quick and easy, so take the time to support the volunteers who keep our Section going by casting your ballot.

See you at SERMACS!

...Stephanie Mabry, Chair, Virginia Section
stephanie.mabry@aftonchemical.com

ELECTION OF 2012 OFFICERS

This year the Virginia Section will again be using electronic balloting for officer elections. A paper ballot will be provided to any Section member upon request (see below). The Section changed its By-Laws in 2008 to allow electronic balloting, a less expensive alternative than paper ballots, and the most environmentally friendly way to conduct the election.

The Nominations Committee has selected the Survey Monkey program for the balloting for 2012 officers. The Section Roster has been provided by the National ACS and everyone on that roster who has a listed e-mail address will receive an e-mail message giving the instructions for voting and a link to the balloting site. **Voting will begin on October 17 and will terminate on November 7.**

If you do not get an election e-mail or would like to vote by paper ballot, please contact me—my contact information is given below.

Thank you for your support. Write-in candidates will be accepted on both the electronic and paper ballots.

...Yezdi B. Pithawalla, Chair
Virginia Section Nominations Committee
(804) 335-2301; yezdi.b.pithawalla@altria.com

BIOGRAPHICAL STATEMENTS FOR 2012 OFFICER CANDIDATES

For CHAIR: Dr. Karen Carter

AIBiotech

Dr. Karen Carter is a Group Leader at AIBiotech. She received her B.S. degree in Chemistry from Old Dominion University in 1997. She then went on to receive an M.S. in Medicinal Chemistry from Virginia Commonwealth University in 2000. From there she worked at Abbot Labs as a research scientist until returning to Virginia to get married. After working at Philip Morris, she returned to school to obtain her Ph.D. in Organic Chemistry from the University of Virginia under Timothy MacDonald in 2007. After postdoctoral studies with Peter Wipf at the University of Pittsburgh, she returned to Virginia to work for Commonwealth Biotechnologies, Inc. in 2008. In 2009, Commonwealth Biotechnologies, Inc. became a subsidiary of Bostwick Laboratories and the name was changed to American International Biotechnology Services (AIBiotech).

For CHAIR-ELECT: Dr. Joseph Crockett

Bridgewater College

Joe Crockett is currently a Professor of Chemistry and Department Chair at Bridgewater College in Bridgewater, Virginia. Joe is a graduate of Hampden-Sydney College (B.S. in Mathematics, 1973) and the University of North Carolina (Ph.D., 1979). He taught at Tulane University (1977-79) and at Baker University in Kansas (1979-85) before coming to Bridgewater in 1985. Joe has been active in the local section, serving as Vice Chair, Chair Elect, and Chair during the period 1989-91. He was Vice Chair in 2011. He has been a member of the Executive Committee since 1986 and is currently the chair of the Safety Committee.

For VICE CHAIR: Dr. Scott Gronert

Virginia Commonwealth University

Dr. Scott Gronert is Professor of Chemistry and Chair of the Department of Chemistry at Virginia Commonwealth University. He holds a B.S. degree from California State University at Long Beach and a Ph.D. from the University of California, Berkeley. He did postdoctoral research at the University of Colorado. He began his academic career in 1990 at San Francisco State University and rose to the rank of Professor in 1997. In 2007 he joined the faculty at VCU and became Chair of the Department of Chemistry in 2009. His research focuses on the use of mass spectrometry in the investigation of problems in organic and biological chemistry. His work involves gas-phase reaction mechanisms and the analysis of protein post-translational modifications related to aging.

For SECRETARY: Dr. Rob Davidson

Afton Chemical

Dr. Rob Davidson is a Senior Research Associate with Afton Chemical Company in Richmond. He received his B.S. degree in Chemistry from Duke University, a Ph.D. in Organic Chemistry from the University of North Carolina–Chapel Hill, and an MBA from Louisiana State University. Rob has been with Afton and its predecessor, Ethyl Corporation, for 31 years in a variety of R&D, Business, and Marketing positions. He has been a member of the Virginia Section for the past 17 years, has served as co-chair of the Section's Industrial Relations Committee since 2006. From 1999 until 2007 he represented Afton on the ACS Committee on Corporation Associates. He is currently the secretary of the Virginia Section.

For TREASURER: Dr. Stephanie Mabry

Afton Chemical

Dr. Stephanie Mabry has been an ACS member since 1992 and a member of the Virginia Section since 2004. Dr. Mabry just completed a term as chair of the Virginia Section and has also served as Secretary, WCC chair, and Entertainment Committee chair. She has a B.S. in chemistry from West Virginia University and a Ph.D. from the University of Illinois at Urbana-Champaign, where she was president of the Alpha chapter of Phi Lambda Upsilon Honorary Chemical Society. Currently, Dr. Mabry is a Group Leader and R&D Scientist in the Analytical Department at Afton Chemical in Richmond. Her professional experience includes Group Leader at Rayonier's Research Center, Instrument Manager at the University of Maryland-Baltimore County, Research Scientist at Insmmed, and Adjunct Instructor at J. Sargeant Reynolds Community College. Her chemical interests include analytical and process development chemistry.

For COUNCILOR (three-year term): Dr. R. Gerald Bass Virginia Commonwealth University (retired)

Dr. Robert Gerald Bass received a B. S. in chemistry from Virginia Polytechnic institute and a Ph.D. in Organic Chemistry from the University of Virginia. He was a research chemist with Dupont from 1959 to 1962, then returned to UVA as a postdoctoral fellow. In the fall of 1962 he joined the chemistry faculty of Virginia Commonwealth University where he is now a Professor Emeritus, was honored with VCU's Distinguished Service Award in 1992, and taught chemistry until his retirement in 1998. Dr. Bass has been a member of the Virginia Section ACS since 1958, held all elected offices of the section (serving as Chair in 1972), and received the section's Distinguished Service Award in 1979. As councilor, he has served at the national level as chair of the Committee on Meetings and Expositions, chair of the Membership Affairs Committee, as a member of the Advisory Board for "Chemistry" and as a member of the ACS Insurance Trust. Dr. Bass also recently served a 3-year term on the Council Policy Committee at the national level and is now a member of the Local Section Activities Committee. He recently retired as executive officer of the Virginia Academy of Science.

For ALTERNATE COUNCILOR (three-year term): Dr. Sheryl Baldwin Virginia Commonwealth University

Sheryl Baldwin is presently Director of Special Programs at the Center for the Study of Biological Complexity at Virginia Commonwealth University. She has worked in VCU's Office of the Vice President for Research and as University Compliance Manager at VCU. She also worked in or with industry for nearly 20 years, first for Hercules Inc., and Philip Morris, then as Manager of Business Development for Industry Relations at the ACS National Office in Washington from 1996 to 1999. Before moving to industry she taught at the University of Richmond. Her Ph.D. is from VCU in Physical Chemistry. Dr. Baldwin has served the Virginia Section well in several capacities including Chair and was the recipient of the Distinguished Service Award in 1996. She is past President of the Richmond Chapter of the US-China People's Friendship Association (US-CPFA), and is currently US-CPFA Virginia Chapters Liaison. She has served in every office for the Virginia Section and has been a member of the Executive Committee since 1981.

For TRUSTEE (three-year term): Dr. James N. Demas University of Virginia

James Demas is a professor of chemistry at the University of Virginia where he has served since 1971. He received his Ph.D. in Physical Chemistry from the University of New Mexico with Glen Crosby and was a postdoc with Arthur Adamson at the University of Southern California. He has three times been a visiting staff scientist at Los Alamos National Laboratory. He is currently active in both research and teaching, and is the author of over 200 scientific and educational papers as well as two books. His research specialty is luminescence of metal complexes and their applications. He has several patents using photochemistry and photophysics. Dr. Demas is also an active member of the Virginia Section ACS where he has served well in several executive officer roles. He was the recipient of the Virginia Section's Distinguished Service Award in 1999. His hobbies include computers, photography, biking, karate, skiing, and last but not least – cinema.

VIRGINIA SECTION WINS CHEMLUMINARY AWARD

On August 30, 2011, the Virginia Section received a ChemLuminary Award at the ACS National Meeting in Denver, Colorado. The Virginia Section was awarded the Outstanding Local Section Career Program Award in the small to medium large size category. The award recognized the success of a chemistry career discussion panel sponsored by the Women Chemists Committee. Six chemists who represented careers in teaching, research, business, and law shared their personal experiences with 30 participants in the forum.

The national ACS presents ChemLuminary awards annually to local sections in order to recognize outstanding programs in a number of different categories. The Virginia Section has won at least three other ChemLuminary awards. Dr. Ann Sullivan, Virginia Section Councilor, accepted the award for the Section. She is shown here with Section Chair Stephanie Mabry.



REPORT ON THE SEPTEMBER SECTION MEETING

The annual Awards Meeting of the Virginia Section was held on Friday, September 16, 2011 at Virginia Commonwealth University in Richmond. Dr. Stephanie Mabry, Chair of the Section, presided at the awards program that was attended by more than 50 persons. She introduced 50-year member Dr. John O'Connell, Professor of Chemical Engineering at the University of Virginia. Dr. Manfred Psiorz, President & Chief Executive Officer/USA at Boehringer Ingelheim Chemicals, introduced Dr. Jack Brown, recipient of the Section's Industrial Innovator Award. Dr. Brown, Associate Director of Process Chemistry at Boehringer Ingelheim Chemicals in Petersburg, spoke on the "Use of Design of Experiments to Solve Complex Chemical Problems." Dr. Mabry presented him with a plaque and an engraved Jefferson Cup. Dr. Fred M. Hawkrigde, recipient of the Distinguished Service Award, was introduced by Dr. Scott Gronert, Chair of the Department of Chemistry at Virginia Commonwealth University. Dr. Hawkrigde, retired Professor of Chemistry at VCU, spoke on "Virginia is a Great Place for a Career in Chemistry." Dr. Mabry presented him with a plaque, gift, and Jefferson Cup. The meeting closed with a brief presentation by Dr. Joseph Pompano on SERMACS 2011, scheduled for October 26-29 in Richmond. Special thanks to Dr. Scott Gronert, Ms. Monica Atkinson, and the VCU Department of Chemistry at VCU for hosting this excellent meeting.



Dr. Jack Brown and
Dr. Stephanie Mabry



Dr. Fred Hawkrigde and
Dr. Stephanie Mabry



Dr. John O'Connell and
Dr. Stephanie Mabry



Dr. Jack Brown and
Dr. Fred Hawkrigde

NATIONAL CHEMISTRY WEEK

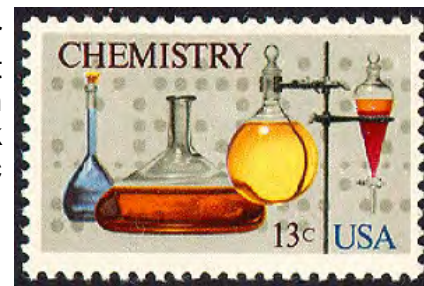


The Virginia Section will be celebrating **National Chemistry Week on Saturday, October 22** with a day of exhibits and activities at the Science Museum of Virginia in Richmond. The theme for 2011 is "Chemistry—Our Health, Our Future!" Dr. Kristine Smetana will be coordinating the event for the Virginia Section. She can be reached at (804) 706-5143; ksmetana@jtcc.edu. **Volunteers are needed!**



QUESTIONS FROM THE PAST

This question was asked in the September Bulletin: Helen Kizer presented the Section with an envelope with the chemistry stamp that was issued by the U.S. Postal Service to commemorate the celebration of the centennial of the ACS. The envelope is canceled in New York City as a "First Day of Issue." **What was the date on which this 13¢ stamp was issued?** The first day of issue for the ACS centennial stamp was **April 6, 1976**. The ACS was founded in 1876.



A new question: **When did the Virginia Section host its last SERMACS meeting and who were the co-chairs for that event?**

RECOGNITION OF SCIENCE TEACHERS

Three outstanding science teachers will be recognized in December when the Virginia Section presents its annual teacher awards. Here are the 2011 recipients:

the Franklin D. Kizer Distinguished High School Chemistry Teacher Award - **Meg Van Liew**, St. Anne's-Belfield School, Charlottesville;

the Distinguished Middle School Science Teacher Award - **Denise Oppenhagen**, Rippon Middle School, Prince William County Schools;

the Distinguished Elementary School Science Teacher Award - **Jessica Skeens**, Wenonah Elementary School, Waynesboro Public Schools.

The teacher awards will be presented on Friday, December 2 at the Virginia Section meeting to be held at Virginia Union University in Richmond. Dr. Randy L. Bell, Associate Professor in the Curry School of Education at the University of Virginia, will talk on "Theories, Laws, and Other Dangerous Ideas." More information on the meeting and on the award recipients will be available on the Section website: <http://www.virginia.sites.acs.org/>.



CHEMISTRY SEMINARS AT THE UNIVERSITY OF VIRGINIA

October 14 - **Professor Dale Poulter**, University of Utah, "Evolution of Function in the Isoprenoid Biosynthetic Pathway through Control of Regiochemistry" (IRELAND LECTURE)

October 21 - **Professor Mark Thompson**, University of Southern California, "Energy Management in Organic Solar Cells"

November 4 - **Professor Alex Nevzorov**, North Carolina State University, "Structure Determination of Membrane Proteins by Solid State NMR: Sensitivity Enhancement, Spectroscopic Assignment and Structure Calculations"

November 11 - **Professor Lukas Tamm**, University of Virginia, "Structure, Function, and Antibiotic Resistance of the Outer Membrane of *Pseudomonas aeruginosa*"

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

October 25 - **Dr. Marie-Christine Daniel-Onuta**, University of Maryland-Baltimore County

November 3 - **Dr. Felicia Etzkorn**, Virginia Tech

November 10 - **Dr. Brad Ringeisen**, Naval Research Laboratory, Washington, D.C.



Seminars are held at 3:30 p.m. in the Kapp Lecture Hall, Room 1024, in the Mary E. Kapp Wing of Oliver Hall, 1001 West Main Street, Richmond. For more information, call (804) 828-1298.

CORRECTION ON E-MAIL ADDRESS

The e-mail address for Eileen Downey that was listed in the September Bulletin was incorrect. The correct address is eileendowney2@gmail.com. Contact Eileen if you have teachers to recommend for these Section awards: the Franklin D. Kizer Distinguished High School Chemistry Teacher Award, the Distinguished Middle School Science Teacher Award, or the Distinguished Elementary School Science Teacher Award. Nominations are welcome at any time.

THANK YOU NOTE

On December 10, 2010, Ms. Judy Fitzpatrick received the Distinguished Elementary Science Teacher Award from the Virginia Section. The award, which was sponsored by Boehringer Ingelheim Chemicals, included a plaque and a cash award of \$300.00. The Section received this note from Ms. Fitzpatrick:

“As I begin the new school year I want to thank you again for recognizing me with the Distinguished Elementary School Science Teacher Award in December 2010. With the award money I purchased a class set of solar kits. With these kits the students have a solar cell, chassis, gears, and a motor and wheels. They are challenged to build the most efficient car possible. This will be a great addition to our study of solar energy in which the students each design a solar oven and cook with it, make sun tea and sun dials. We also study the importance of solar energy in Third World Countries as it is used to purify water and for cooking. I am so grateful for your support of science in the elementary school and the opportunity to give my students more real world challenges.”

John B. Fenn Memorial Symposium

TUESDAY, NOVEMBER 29, 2011

2:00-5:00 p.m.

Virginia Commonwealth University

Richmond, Virginia

Invited Speakers:

Dr. R. Graham Cooks, Purdue University

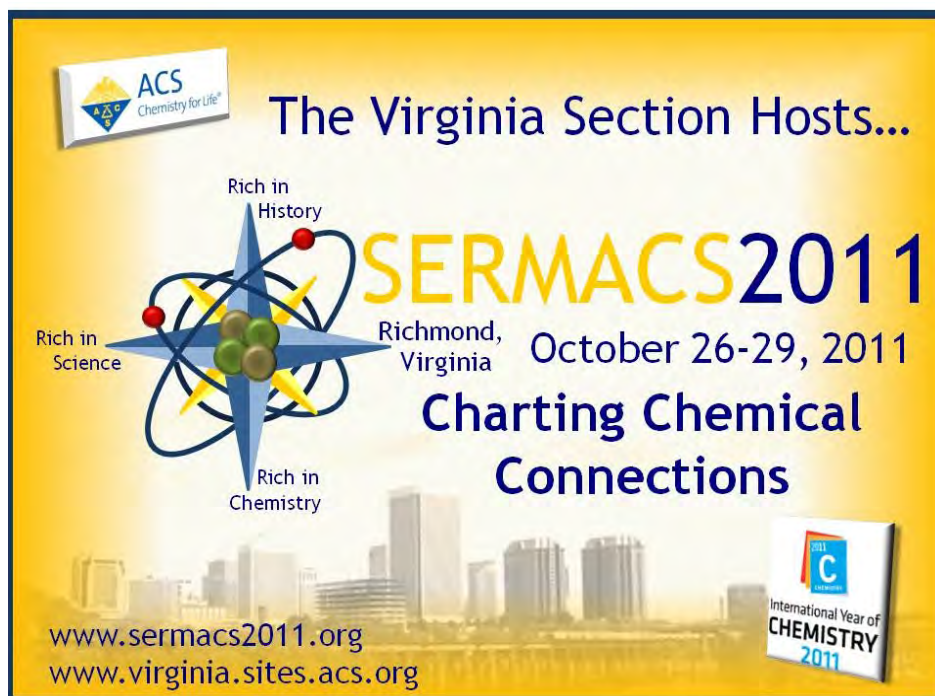
Dr. Mark Johnson, Yale University

Dr. David Muddiman, North Carolina State University

Symposium 2:00 - 5:00; Reception 5:00 - 6:30

Call (804) 828-8660 or email goodridge@vcu.edu for more information

WORDS OF WISDOM FOR OCTOBER: “YOU MISS 100
PERCENT OF THE SHOTS THAT YOU NEVER TAKE”

A promotional graphic for the Sermacs 2011 meeting. It features a central blue atom-like structure with three green spheres and two red spheres, surrounded by yellow and blue orbital paths. The text "Rich in History", "Rich in Science", and "Rich in Chemistry" is placed around the atom. The top left has the ACS logo with the tagline "Chemistry for Life". The top right says "The Virginia Section Hosts...". The center right displays "SERMACS2011" in large yellow and blue letters, followed by "Richmond, Virginia" and "October 26-29, 2011". Below this is the theme "Charting Chemical Connections". At the bottom left are the websites "www.sermacs2011.org" and "www.virginia.sites.acs.org". At the bottom right is a logo for the "International Year of CHEMISTRY 2011". The background shows a city skyline at sunset.

ACS
Chemistry for Life®

The Virginia Section Hosts...

Rich in History

Rich in Science

Rich in Chemistry

SERMACS2011

Richmond, Virginia

October 26-29, 2011

Charting Chemical Connections

www.sermacs2011.org
www.virginia.sites.acs.org

International Year of
CHEMISTRY
2011

63rd SOUTHEASTERN REGIONAL ACS MEETING

OMNI HOTEL

RICHMOND, VIRGINIA

OCTOBER 26-29, 2011

“Charting Chemical Connections”

HIGHLIGHTS:

- **Symposia**
- **Oral and Poster Technical Sessions**
- **Career Programs**
- **Undergraduate Program**
- **Exposition**
- **Workshops**
- **WCC Luncheon**
- **Awards Dinner**
- **High School Teachers Program**
- **Leadership Development Courses**
- **Education Awards Luncheon**

SERMACS DETAILS AVAILABLE ON THIS WEBSITE:

<http://sermacs2011.org>

SPECIAL EVENTS AND WORKSHOPS:

ACS Leadership Development Course - Developing Communication Strategies -

Wednesday, October 26, 8:00 a.m. - 12:00 noon (there is a \$15.00 fee for this course; you must go to this ACS website to register and pay: www.acs.org/professionaladvancement)

Plenary Lecture - Dr. Manfred Psiorz - Wednesday, October 26, 1:00-1:45 p.m.

Opening Reception - Wednesday, October 25, 6:00-8:00 p.m. (held in conjunction with the opening of the Exposition and the SCIMIX poster session)

Career Workshop - "The Mid-Career Chemist" - Wednesday, October 26, 4:30-6:00 p.m.

ACS Career Programs:

Planning Your Job Search - Thursday, October 27, 8:00-9:20 a.m.

Preparing a Resumé - Thursday, October 27, 9:30-10:50 a.m.

Effective Interviewing - Thursday, October 27, 11:00 a.m. - 12:30 p.m.

Career Workshop - "Navigating a Career Transition - The Financial Impact of Employment Change" - Thursday, October 27, 1:00-2:00 p.m.

Individual Career Workshop Sessions - "Resume Review", "Interviewing and Mock Interviewing" - Thursday, October 27, 1:00-3:50 p.m.

Awards Dinner at the Science Museum of Virginia - Thursday, October 27, 6:00-8:30 p.m. (buffet dinner, presentation of E. Ann Nalley and Stanley C. Israel Awards, special speaker, Dr. Samy El-Shall, for International Year of Chemistry) [*Sponsored by Eastman Chemical*]

Mini-Symposium on Chemical Careers - "Career Issues for Today's Chemists" - 8:00 a.m. - 12:00 noon

Women Chemists Luncheon - Friday, October 28, 12:00-1:30 p.m. (address by Dr. Katie Hunt, former ACS president)

Ice Cream Social with ACS Governance - Friday, October 28, 1:30-2:30 p.m.

Undergraduate Pizza Party and Karaoke Competition - Friday, October 28, 6:00-10:00 p.m.

Undergraduate Awards Breakfast - Saturday, October 29, 8:00-10:00 a.m.

High School Teacher Program - Saturday, October 29, 8:00 a.m. - 12:00 noon

Education Awards Luncheon - Saturday, October 29, 12:00-1:30 p.m. (presentation of Southeastern Regional High School Teacher Award)

SERMACS UNDERGRADUATE PROGRAM

“Chemical Minds: The Application of Forensics”

career building sessions, mock interviews, professional skill development, graduate fair, scavenger hunt, awards breakfast, pizza party, karaoke contest, poster session

SERMACS CAREER PROGRAMS

ACS Career Programs - “Planning a Job Search”, “Resume Preparation”, “Interviewing Skills”

Career Workshops - “The Mid-Career Chemist, “Navigating a Career Transition”

“Electronic Tools to Enhance Your Career Presentation” - Dr. Lisa Balbes

Career Fair Desk - submit job applications, schedule job interviews

Mini-Symposium - “Career Issues for Today’s Chemists”

Individual Career Workshop Sessions

SERMACS SYMPOSIA

- Career Issues for Today’s Chemists
- Connecting Polymer Chemistry and Material Sciences to NASA Objectives
- Conversion of Biomass to Biomaterials and Bioenergy
- Monty Kier – 45 Years of Computational Medicinal Chemistry
- Nanomaterials
- Nanotechnology Education in the Chemistry Laboratory
- Scaffolds for Tissue Engineering
- Social Media in Science

CHEMICAL EXPOSITION EXHIBITORS

...Agilent Technologies.....Alfa Aesar.....Anasazi Instruments.....ARCET.....BiolinScientific...
 ...BRUKER.....CEM.....DIONEX.....EASTMAN.....HANNA instruments.....Lab Safety Supply...
 ...MeasureNet.....Metrohm USA.....Olis.....Parker Balston.....Parr.....Pfizer...
 ...PINE Research Instrumentation.....SHIMADZU.....Synthonix.....TA...
 ...Thermo Scientific.....Vernier.....Waters.....Whatman...
 ...WILEY.....Wilmad Lab Glass...

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CAN YOU IDENTIFY THESE PERSONS?



The photograph is from January, 2006 and shows the chair of the Virginia Section and the speaker at the January 20 Section meeting, held at Randolph-Macon College in Ashland. The Section Chair was a Professor of Chemistry at Virginia Union University. The speaker was a Professor Emeritus at Rensselaer Polytechnic Institute. Before going to Rensselaer, he held positions at Eli Lilly, Worthington Biochemical Corporation, the National Science Foundation, Virginia Polytechnic Institute, and Clemson University. Author of the book, *Energy, the Biomass Options*, he spoke to the Virginia Section on "Bioenergy without Hype."

The mystery person in the September Bulletin was Dr. Charles L. Liotta, who was the Powell Lectureship speaker at the University of Richmond on February 18, 2005.



The Science Museum of Virginia (in Richmond) has, since 1977, occupied the building that opened in 1919 as a railroad station for use by several railroads. The current mission of the SMV is:

to deepen our understanding of man and his environment;

to promote a knowledge of the scientific method and thus encourage objectivity in the everyday affairs of man;

to engage in instruction and research in the sciences in order to educate citizens of all ages in the concepts and principles of science and how these concepts and principles form the foundation upon which rests our technological society and its economy;

to use, subject to the approval of the accredited educational facilities concerned, Museum personnel in educational programs;

to motivate and stimulate young people to seek careers in science;

to encourage an understanding of the history of scientific endeavor;

to provide special facilities and collections for the study of Virginia's natural resources; and, to foster a love of nature and a concern for its preservation.

The Science Museum features a great variety of continuing exhibits as well as special exhibitions and programs. Live theater is presented in the Carpenter Science Theater, the planetarium shows highlight many night sky events, and outstanding films are shown on the IMAX DOME. The Museum sponsors many programs for all age groups. For more information, including a schedule of events, check out the Museum's website: www.smv.org.



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