



The Bulletin
of the
Virginia Section

AMERICAN CHEMICAL SOCIETY

OCTOBER MEETING NOTICE

Center for Research & Technology
Richmond, Virginia
Friday, October 17, 2008

DINNER/TOURS: **6:15 p.m.**
CRT
601 E. Jackson St.

PROGRAM: **7:30 p.m.**
CRT

MENU: Assorted Heavy Hors d'Oeuvres (Hot and Cold), Beverages,
Assorted Desserts

PRICE: Members/Guests - \$18.00
Students, High School Teachers/Spouses - \$9.00
Retired ACS Members/Spouses, Retired Teachers/Spouses - \$13.00

DINNER RESERVATIONS: Please make reservations for the dinner and tours by **NOON on Tuesday, October 14** by calling Will Lewis at (804) 274-5869 or by e-mail to will.h.lewis @ altria.com.
Please honor your dinner reservations!

HOST: Dr. Will Lewis, (804) 274-5869; will.h.lewis @ altria.com

SPEAKER: **Dr. Jane Y. Lewis**
Altria Client Services Inc.

TOPIC: **“In Pursuit of Reduced Risk Cigarettes –
A Story of Leadership in a Technical
Organization”**

OCTOBER 2008

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
		<i>reservations</i>			<i>meeting</i>	
19	20	21	22	23	24	25
26	27	28	29	30	31	

DR. JANE Y. LEWIS



Jane received her B.S. degree in Chemistry from Virginia Commonwealth University in 1978 and her Ph.D. in Analytical Chemistry from the University of Cincinnati in 1983. She then joined Philip Morris in 1984 as a scientist in the Analytical Research Division of Research & Development. Since taking her first leadership role in 1987, she has focused her efforts on achieving technical excellence in research and on continually building capability in those she manages. She has made contributions to multiple research programs, product assessment strategies and methodologies, and implementation of quality systems.

Dr. Lewis is currently the Vice President of Analytical Sciences and Technical Operations in Altria Client Services. This department provides analytical chemistry capability and measurement as well as coordinated technical operations in support of product innovation and development across Altria and its operating companies.

Jane's career has spanned 24 years. In that time, she has remained passionate about the importance of leadership development and her company's efforts to reduce the harm caused by smoking.

In 2001, Jane was inducted into the New York City YWCA's Academy of Women Achievers; and in 2007, she received the Distinguished Alumni Award from the VCU College of Humanities and Sciences in 2007. In September, 2008, she was the recipient of an Industrial Leadership Award from the Virginia Section of the ACS.

Jane's outside interests include spending time with her family and friends, her church, and her dogs. She enjoys boating and other outdoor activities and has maintained a life long passion for swimming.

IN PURSUIT OF REDUCED RISK CIGARETTES – A STORY OF LEADERSHIP IN A TECHNICAL ORGANIZATION

Cigarettes are a harmful and addictive product. The challenge to significantly reduce the risk of cigarette smoking in causing lung cancer, heart disease, emphysema, and other serious diseases in smokers is one that is complex. First, there is the challenge of developing the new technologies that can be applied to cigarettes to reduce risk; secondly, the development of appropriate methodologies to assess and substantiate the new product's potential to reduce the risk of disease; and finally, the challenge of ensuring that the cigarette remains sensorially acceptable to consumers. This was a journey in leadership and it involved many learnings over many years and adjusting our approaches along the way in response to those. The journey also involved building infrastructure in terms of people, processes, programs and products to address the challenges we encountered.

DIRECTIONS

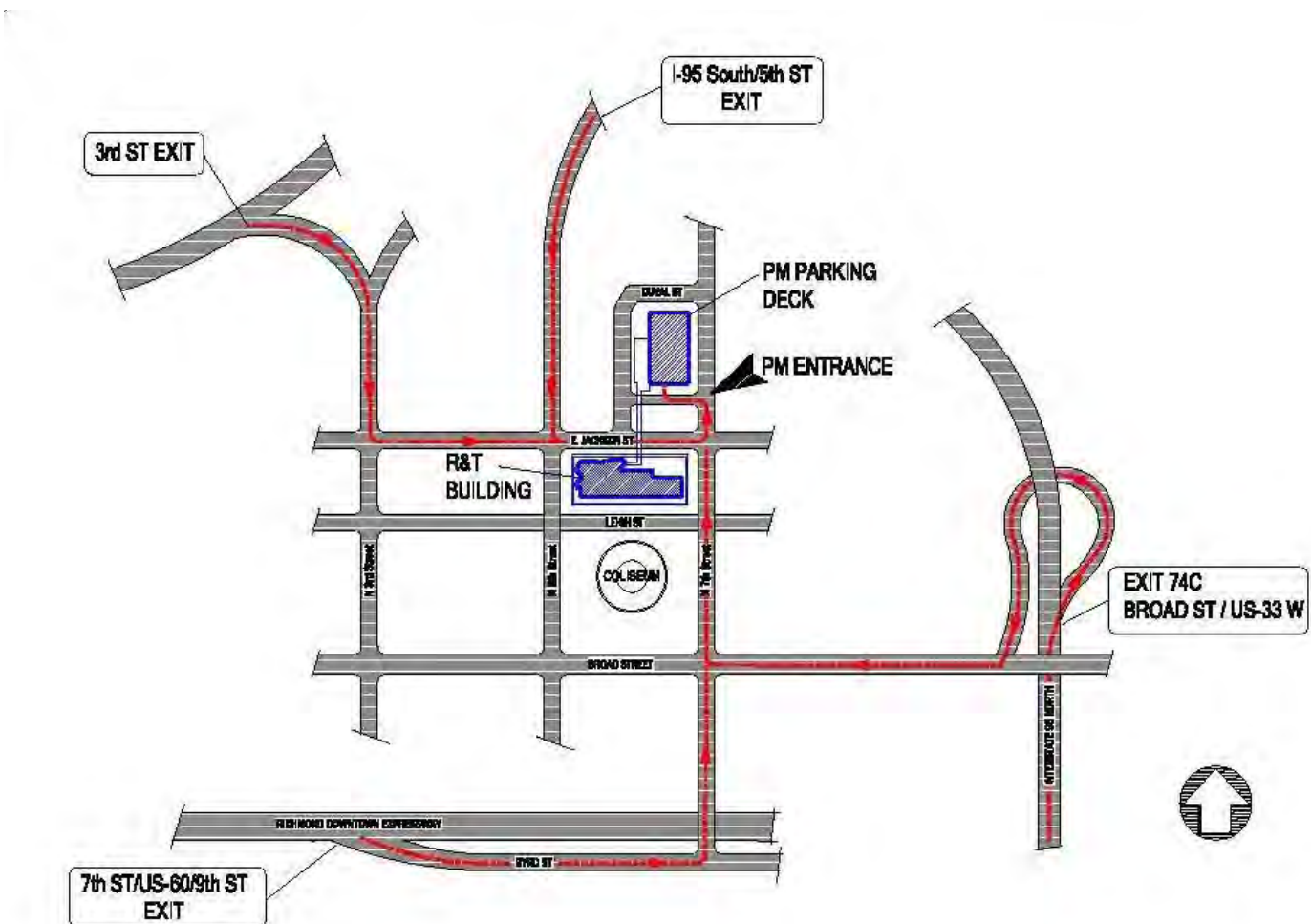
The Center for Research and Technology (CRT) is located at 601 E. Jackson Street (between 5th and 7th Streets) in Richmond.

From the West on I-64E or **from the North** on I-95S, take exit 75 toward Williamsburg/Norfolk. Take the 3rd Street exit toward the Coliseum/Downtown. Make a slight right turn on to 3rd Street and merge into the left lane. Turn left on to E. Jackson Street and go to the stoplight at N. 7th Street. Turn left on to N. 7th Street and left again into the entrance to the parking deck which is directly across Jackson Street from the CRT.

From the East on I-64W, take exit 190, the 5th Street exit on the left toward Petersburg/Downtown/Coliseum. Continue straight to N. 5th Street, then turn left on to E. Jackson Street. Go to the stoplight at N. 7th Street. Turn left on to N. 7th Street and left again into the entrance to the parking deck which is directly across Jackson Street from the CRT.

From the South on I-95N, take exit 74C and stay left toward Broad St./State Capitol/Coliseum. Make a slight right turn on to Broad Street. Continue west on Broad Street to N. 7th Street. Turn right on N. 7th Street and continue north, staying in the left lane. Cross E. Jackson Street and turn left into the entrance to the parking deck which is directly across Jackson Street from the CRT.

MAP



TOURS OF THE CRT

Tours of the new Center for Research and Technology will be scheduled for the meeting on October 17. Please note these special requirements for this meeting:

- **You must have a reservation** in order to attend this meeting. Call (804) 274-5869 or e-mail will.h.lewis @ altria.com by noon on **Tuesday, October 14**;
- You must present a **government-issued photo ID** at the security check point (a valid driver's license can be used);
- If you park in the parking deck across the street from the CRT, you can clear security when you enter the deck. By parking on the fourth floor of the deck, you can use the walkway across Jackson Street to get to the CRT.

*** Virginia section news ***

FUTURE MEETINGS OF THE SECTION

DATE: **November 19, 2008**
 LOCATION: University of Mary Washington
 Fredericksburg, Va.
 HOST: Dr. Roy Gratz
 PHONE: (540) 654-1412
 SPEAKER: **Dr. Marvin Lang**
 TOPIC: "The Elements and Chemistry of
 Leadership: Demonstrations with
 a Theme"

DATE: **December 5, 2008**
 LOCATION: John Tyler Community College
 Chester, Va.
 HOST: Dr. Kristine Smetana
 PHONE: (804) 706-5143
 SPEAKER: **Dr. John Gupton**
 TOPIC: "Vinylogous Iminium Salts as
 Building Blocks in Organic
 Synthesis"

Presentation of Teaching Awards

TEACHER AWARDS

The Virginia Section is soliciting nominees for two teaching awards: the Outstanding High School Chemistry Teacher Award and the Outstanding Middle School Science Teacher Award. If you would like to nominate persons for these awards, contact Dr. William Rademaker at (804) 794-3752; wrad @ verizon.net. Each award consists of a plaque and a check for \$300.00. The teacher awards are sponsored by Boehringer Ingelheim Chemicals; the 2008 awards will be presented at the December 5 Section meeting.

WORDS OF WISDOM FOR OCTOBER: "In Order To Change,
 We Must Be Sick And Tired Of Being Sick And Tired"



CHEMISTRY SEMINARS AT THE UNIVERSITY OF VIRGINIA

- October 3 - **Dr. William Roush**, Scripps Research Institute, "Design and Applications of Bifunctional Allylboron Reagents for the Synthesis of Biologically Active Natural Products" **(IRELAND LECTURE)**
- October 10 - **Professor Harold F. Hess**, Howard Hughes Medical Institute - "Novel Optical Imaging Techniques"
- October 17 - **Professor Timothy S. Zwier**, Purdue University, "Single Conformation Spectroscopy and Isomerization Dynamics of Flexible Molecules"
- October 24 - **Professor Michael Shirts**, University of Virginia, Noncovalent Molecular Design *in Silico*: Ligand Bonding and Beyond"
- October 31 - **Dr. Grant Dubois**, Coca Cola Corporation
- November 7 - **Professor Helen E. Blackwell**, University of Wisconsin, "Translating and Expanding the Language of Bacterial Communication Using Organic Chemistry"
- November 14 - **Professor Nick Hud**, Georgia Institute of Technology - "Harnessing Nucleic Acid Intercalation, A New Approach to Template-Directed Synthesis and the RNA World"
- November 21 - **Professor Robert Crabtree**, Yale University - "Molecular Recognition for High Selectivity in Homogeneous Catalysis" **(LUTZ LECTURE)**

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://www.virginia.edu/chem/newsandevents/seminars/>.

CHEMISTRY SEMINARS AT VIRGINIA COMMONWEALTH UNIVERSITY

- October 7 - **Francis Szoka**, University of California at San Francisco
- October 9 - **Albert Viggiano**, Air Force Research Laboratory, Massachusetts
- October 30 - **Diane Bunce**, Catholic University of America
- November 6 - **Ya-Ping Sun**, Clemson University
- November 13 - **Mark R. Schure**, Rohm & Haas, "Reversed Phase Liquid Chromatography: Retention Mechanism as Revealed by Computer Simulation"
- December 4 - **Lou Allamandola**, NASA, Ames

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 in Richmond. For more information, call (804) 828-1298.

CHEMICAL ENGINEERING SEMINARS AT THE UNIVERSITY OF VIRGINIA

October 2 - Dr. Robert C. Diluccio, E.I. DuPont de Nemours & Co., "*DuPont's Technology Thrust in Advanced Biomaterials*"

October 16 - Professor Krista Walton, Kansas State University, "*Nanostructured Inorganic-Organic Hybrids: Engineering a New Class of Porous Materials*"

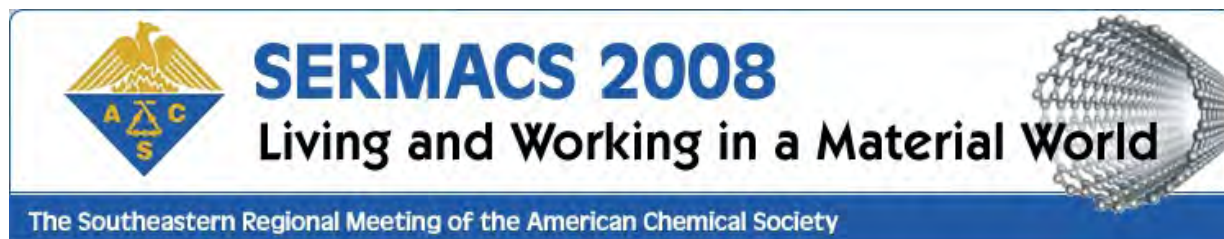
October 23 - Professor Jason Papin, University of Virginia, "*Systems Analysis of Biochemical Networks*"

October 30 - Professor Terri Camesano, Worcester Polytechnic Institute, "*Molecular Investigation of Cranberry's Actions Against Uropathogenic E. coli*"

November 13 - Professor Russell Chianelli, University of Texas at El Paso, "*Maya Pigments: Ancient Technology/Modern Economic Opportunity*"

Seminars are Thursdays at 11:00 AM, Room 005 Chemical Engineering Building

Full schedule at <http://www.che.virginia.edu/seminar.htm>



The 2008 Southeastern Regional Meeting of the ACS (**SERMACS 2008**) will be held November 12-15 at the Music City Sheraton Hotel in Nashville, Tennessee. Special speakers include Robert H. Grubbs, Richard Zare, Bruce Bursten, and Madeleine Jacobs. The program includes symposia on **Advances in Chiroptical Methods, Bioanalytical Mass Spectrometry, Carbanion Chemistry, Chemical Education at the College Level, Cope Scholar Symposium: James Tour, Developments in Biopolymers, Directions in Synthetic Organic Chemistry, Electrochemistry at the Nanoscale, Frontiers in Nucleic Acid Chemistry, Green Chemistry, Main Group and f-Element Chemistry, Nanocrystals, Nanostructures in Polymer Science, New Directions in Fluorine Chemistry, Patent Law Developments, Separations in Environmental and Medicinal, Radiochemistry, Technologies for the Chemistry Classroom, Why I Chose an Applied Chemistry Profession, Women Chemists in the Southeast.**

There will be a Chemical Exposition, a graduate school fair, and special programs for high school and college students and for women chemists. There will be workshops on safety, legislative affairs, and "Hands On Chemistry with Vernier." The ACS will sponsor a leadership development course on "Involving Volunteers" and a career workshop.

October 13 is the last day for receipt of Advance Registration for the meeting. Full information on SERMACS 2008 can be found on the ACS website <http://membership.acs.org/s/serm2008/>.

QUESTION FROM THE PAST

This question was asked in the September Bulletin: The Virginia Section has been honored to have several presidents of the American Chemical Society speak at Section meetings. One of those meetings was held at the Union Hall in Hopewell on Friday, October 16, 1953 where the ACS president spoke on "Our Future Sources of Energy." He was a well-known physical chemist and Chairman of the Chemistry Department at the University of Wisconsin. **Who was the ACS president who spoke to the Virginia Section in 1953?** Dr. Farrington Daniels was the ACS president who spoke at that meeting in Hopewell. He cited atomic energy and solar energy as possible replacements for fossil fuels. In the abstract of his talk, Dr. Daniels said "Nothing quick or revolutionary is in sight, but scientific research will help to meet our needs." That was 55 years ago!

New question: When Ralph Allen addressed the Virginia Section on September 19, he became the only person known to give five presentations at Section meetings. **Who are the two persons tied for the runner-up position with four talks each?**

ABSTRACTS AND PHOTOS FROM 2008 POSTER SESSION

The abstracts of posters presented at the student research session, held on April 18 at the University of Virginia, are now posted on the Virginia Section website:

<http://membership.acs.org/VVA/>. There are also a large number of photographs of the posters and the student award presentations. The abstracts and photos can also be accessed at this UVA site: <http://people.virginia.edu/~jnd/08ACS/08ACSIntro.htm>. Thanks to Dr. James Demas for taking the photographs and mounting the website.

COUNCILOR REPORT

Dr. Ann Sullivan, Virginia Section Councilor, has prepared a report on the actions taken by the Council and Board of Directors at the 236th national meeting, held in Philadelphia in August, 2008. Her report can be found on the Section website <http://membership.acs.org/VVA/>. Councilors Pat Barber, Jerry Bass, and Ann Sullivan represented the Virginia Section at the national meeting.

NEW ARTICLE BY ROALD HOFFMANN

Dr. Roald Hoffmann, Nobel Laureate and Frank H. T. Rhodes Professor of Humane Letters at Cornell University, has written an interesting article on chemical synthesis. "Why Think Up New Molecules?" appeared in the September-October issue of *American Scientist* (Volume 96, pages 372-374). Dr. Hoffmann was the speaker at the Alan Powell Lectureship at the University of Richmond last February. He is the recipient of the 2009 *James T. Grady-James H. Stack Award for Interpreting Chemistry for the Public*. Here are some quotes from his new article:

"Science is a marvelous quest for reliable knowledge. Knowing is a pleasure in and of itself. So is creation."

"The predictor leaves the safety of known molecules and properties for the unknown. He or she takes a risk."

"Predicting new molecules is simply great fun."

The article can be accessed at <http://www.americanscientist.org>. *American Scientist* is the magazine of Sigma Xi, the Scientific Research Society.

NATIONAL CHEMISTRY WEEK

October 19-25, 2008

Theme: "Having a Ball with Chemistry"



Information: <http://www.acs.org/ncw>

There will be a NCW Poster Contest for children in kindergarten through 12th grade and a NCW Chemvention Competition for student affiliate chapters. See the ACS Chemistry website for more information on these and other NCW activities. This year marks the 21th Anniversary of the National Chemistry Week program.

The Virginia Section will celebrate National Chemistry Week on Saturday, October 25 with special activities at the Science Museum of Virginia in Richmond. The NCW Coordinator for the Virginia Section is Dr. Kristine Smetana, Professor of Chemistry at John Tyler Community College. Contact her for information on NCW activities within the Virginia Section and to volunteer your help for this year's National Chemistry Week: (804) 706-5143; ksmetana @ jtcc.edu.



THE CHAIR'S CORNER

The Mission of the American Chemical Society is to advance the broader chemistry enterprise and its practitioners for the benefit of the Earth and its people. When I consider "its people", I realize that people on Earth need to change their views on our environment. But as a "practitioner" of the chemical enterprise, I think of the way that my job in the Chemical Industry changes people's lives.

The ACS serves as a great network that allows us to further our understanding of the present and future issues in the world, to be an advocate for how our profession can have an impact on those issues, and to provide us with indispensable resources to engage the community.

Here in the VA Section we engage the community in many different avenues to communicate the value of chemistry to the public. This year we will try a new avenue, a Science Café. Science Cafés are informal gatherings of people that aim to increase the scientific literacy of the general public. The main goal is to stimulate conversation about the current science issues.

I am working with a colleague to start a Science Café in the VA Section. The first topic will be about novel natural resources and how to become more energy conscious in our lives. We are looking for recommendations for speakers and locations. Please see the proposal of the Science Café on page 13.

As always, if you have any suggestions or you would like to become involved in any way, please contact me. My contact information is in the [Bulletin](#) and on our Local Section website at <http://membership.acs.org/VVA/>.

Trey Gregory

2008 Virginia Section Chair

CENTER FOR RESEARCH & TECHNOLOGY

The Center for Research and Technology (CRT) is a 450,000 square-foot facility located in downtown Richmond in the Virginia BioTechnology Research Park. It opened in 2007. The Center is designed to promote collaboration and creativity and to develop technologies that improve Altria Group's operating companies' current products and to lead to innovative new products.



The facility includes a fitness center, cafeteria, company store, collaborative atrium, library, lecture hall, outdoor plaza, and community green space. High-tech features in the Center include high-definition videoconferencing, SMART Board™ interactive LCD Panels, GesturTex™ displays and High End Systems digital projection. The CRT is designed to house approximately 500 scientists, engineers, and support personnel. It cost \$350 million, including \$230 million in construction costs. A parking garage with 900 spaces is located across Jackson Street and is accessible via a covered walkway.

Altria Group, Inc. is the parent company of Philip Morris USA Inc., John Middleton Company, and Philip Morris Capital Company. In addition, Altria Group, Inc. owns a 28.5% economic interest in SABMiller. The parent company owns and develops financially disciplined businesses that are leaders in responsibly providing adult tobacco consumers with superior branded products.

Philip Morris USA is a wholly-owned subsidiary of Altria Group. It manufactures and markets cigarettes and smokeless tobacco products in the United States. PM USA's role is to responsibly and effectively develop, manufacture, and market superior branded cigarettes and smokeless products for adult tobacco consumers. Philip Morris is more than 150 years old. Its history can be traced back to Philip Morris' 1847 opening of a single shop on London's Bond Street, selling tobacco and ready-made cigarettes. In 1902, Philip Morris & Co., Ltd. incorporated as a small tobacco company in New York City. In 1960, Philip Morris was the smallest among the six major tobacco companies in the United States. By 1993, PM USA had become the largest cigarette company in the country.

The John Middleton Company is a leading manufacturer of machine-made large cigars. It also manufactures pipe tobacco. The Philip Morris Capital Corporation is a financial services company that actively manages a portfolio consisting of leveraged and direct finance leases. It provides Altria Group with financial, tax, and economic benefits while managing a well-diversified portfolio of assets. Altria also has a 28.6 percent economic and voting interest in SABMiller plc, the world's second-largest brewer.

2008 CHEMISTRY OLYMPIAD RESULTS

The **2008 Chemistry Olympiad** in the Virginia Section was very successful. Twenty-six schools participated, with over 800 students. Two levels of examinations, First-Year and Second-Year, were administered. Individual and team awards were presented in various categories. Of the 26 schools, nine schools were put into the small school category with less than 600 student enrollment and competed with the three small governor's schools participating, while the remaining schools with enrollments of over 600 competed with the single large governor's school in the large school category. Some of the results are given below; more information and results can be found on the Virginia Section website: <http://membership.acs.org/VVA/>. **Dr. Ann Sullivan** organizes all of the Chemistry Olympiad activities for the Virginia Section.

Sixteen students including several alternates were invited to take the National Olympiad exam on April 19 at J. Sargeant Reynolds Community College in Richmond (no more than two students can be nominated from each school and each student must be a U.S. Citizen to be eligible for the IChO Study Camp). Five of the nominated students participated in the National Exam. The nominees were

Samouil Farhi*, Valentina Moshnikova and Ryan Singel* from Albemarle High School
Abra Guo* from Deep Run High School

Nicholas Ducharme-Barth from Fredricksburg Academy

Di Jin from Freedom High School

Michael Mason from Jackson River Governor's School

David Alex Hia* from James River High School

Katherine Bauer from J. R. Tucker High School

Corinne Hoogakker, Kendrick Smith, Ziyi Gao and Elizabeth Merriman from Maggie L. Walker
Walker Governor's School

Minhdat Tran* and Kevin Buckler* from The Steward School

Matthew Jenny from Waynesboro High School

*took National Examination

*not a United States citizen

Local Examination Student Scores

At each school, the student with the highest score received a National Olympiad or Element pin. The following students were the highest scorers from each participating school. Teachers from each school also received a pin.

School	First Year Exam	Second Year Exam
Albemarle High School	Ariel L. Schwartz, Hong Yi Chen	Samouil Farhi
Colonial Heights High School	Andrew Breidenbach	
Cosby High School	Samuel Reiman, Timothy Owens, Cody Jones	Kevin Crowley

School	First Year Exam	Second Year Exam
Deep Run High School	Kathleen Souls, Kelcee Coleman	Abra Guo
Franklin Military School	Matthew Hartman	
Fredericksburg Academy		Nichol Ducharmebarth
Freedom High School	Ndikum Moffor, Erica Denfeld	Di Jin
Governor's School of Southside Virginia at Longwood	Sharon Harris	
Harrisonburg High School		Chelsea Cockburn
Highland Springs High School	Thomas Moore	Travis Schmidt
James River High School	Nicholas Wade, Andrew O'Shanick	David Alex Hia
J. R. Tucker High School	Gary Patton, Timothy Lynch	Katherine Bauer
Maggie Walker Governor's School	Matthew Nguyen, Catherine Fraher, Adam Bivens	Corinne Hoogakker
Mills E. Godwin High School	Matthew Boegner, Tim Lancaster, Jonathon Owens	Suraj Mishra
Notre Dame Academy		Bongju Lee
Prince George High School	Thomas Johnson, Philip Chung, James Wyche	Elizabeth Brown
St. Stephen's & St. Agnes' School	William Jakes, Benjamin Godek, Andrew Cole	Charlotte Platner
Stafford High School	Kenneth Smith, Caitlin Jordan	Michael Drescher
The Steward School	Christine Kasper	Minhdat Tran
The Governor's School of Southside Virginia	Hunter Harris	
Thomas Jefferson High School	John Carpin	
Waynesboro High School		Matthew Jenny

Local Examination Student Awards

The students with the three highest scores from all participating schools, separated by category and by test, received gift certificates from Barnes and Noble (\$25 for first place, \$15 for second place, \$10 for third place). The following students had the highest scores within the Virginia Section:

First Year Chemistry Olympiad Local Examination

1. Small School/Small Governor's School Category

First Place (\$25 gift certificate) - **Hunter Harris** – Governor's School of Southside Virginia at Longwood

Second Place (\$15) - **William Jakes** – St. Stephen's and St. Agnes' School

Third Place (\$10) - **Christine Kasper** – The Steward School

2. Large School/Large Governor's School Category

First Place (\$25 gift certificate) - **Ariel Schwartz** – Albemarle High School

Second Place (\$15) - **Matthew Nguyen** – Maggie L. Walker Governor's School,

Matthew Boegner – Mills E. Godwin High School

Third Place (\$10) - **Katherine Soule** – Deep Run High School

Second Year Chemistry Olympiad Local Examination

1. Small School/Small Governor's School Category

First Place (\$25 gift certificate) - **Minhdat Tran*** – The Steward School

Second Place (\$15) - **Nichol Ducharmebarth*** – Fredericksburg Academy

Third Place (\$10) - **Kevin Buckler*** – The Steward School

Michael Mason* – Jackson River Governor's School

2. Large School/Large Governor's School Category

First Place (\$25 gift certificate) - **Samouil Farhi*** – Albemarle High School

Second Place (\$15) - **Valentine Moshnikova*** – Albemarle High School

Third Place (\$10) - **Ryan Singel*** - Albemarle High School

* These students were invited to take the National Examination.

Team Awards

Team Awards are given to the school having the highest combined total for three students, separated by category and year. These schools will receive a plaque to show they won the team award and the teachers will be invited to attend the December Meeting of the Virginia Section where they will be recognized.

First year Examination

Category	School
Small School/Small Governor's School	The Steward School
Large School/Large Governor's School	Maggie Walker Governor's School

Second Year Examination

Category	School
Small School/Small Governor's School	The Steward School
Large School/Large Governor's School	Albemarle High School

INTERNATIONAL CHEMISTRY OLYMPIAD

The 40th International Chemistry Olympiad was held in Budapest, Hungary in July, 2008, with 257 students from 66 countries competing. The student teams from China and Russia took top honors, followed by Ukraine, South Korea and the host country Hungary. The U.S. team placed fairly well, but did not earn any Gold Medals. Jenny Lu and Andrew Liu earned bronze medals while Jonathan Lee was awarded a silver medal. Next year's International Olympiad will be held in Cambridge, England.



GRANTS FOR CHEMICAL EDUCATION

The Virginia Section has a program that provides funds for educational activities involving science in elementary and high schools. Grants are made for \$50 - \$500. The grant application is available on the Virginia Section website: <http://membership.acs.org/VVA/grants.htm>. Grant applications can be downloaded in either Word or PDF format. The education grant program is administered by Dr. Ryan Warren, Chair of the Chemical Education Committee for the Virginia Section.

Science Café

Hosted by the Virginia Section ACS



Organizer: Trish Lauck, [Trish.Lauck @ gmail.com](mailto:Trish.Lauck@gmail.com), 804-382-0396

Possible Dates: November 16, 22, or 23

Proposed Time: 2:00 pm

Possible Locations: Hyperion Espresso, 301 William St. Fredericksburg, VA 22401
Tobacco Company, 1201 E Cary St. Richmond, VA 23219
Please, add any suggestions!

Topic: With hurricanes slamming oil refineries off the Gulf coast, and gas prices creeping higher and higher, the inevitable need for new sources of energy is upon us. This café will discuss novel energy resource research. Within the next few years, we will surely see a rise in people becoming more energy efficient, so why not get the scoop on some alternatives that might be available in the near future. We can also discuss how we have adapted to become more energy conscious now, share tips and tricks, and discuss ideas of other alternatives.

Guest Scientist: Preferably a scientist who is currently conducting research on novel energy resources. **Please, suggest a scientist!**

CHEMISTRY DEPARTMENTS AT COLLEGES AND UNIVERSITIES IN THE VIRGINIA SECTION

<u>School/Location</u>	<u>Department Chair/ Program Coordinator</u>	<u>Phone/E-mail</u>
Bridgewater College Bridgewater, VA 22812	Dr. Joseph Crockett	(540) 828-5431 jrocket @ bridgewater.edu
College of William & Mary Williamsburg, VA 23187-8795	Dr. Gary W. Rice	(757) 221-2540 gwrice @ wm.edu
Eastern Mennonite University Harrisonburg, VA 22802	Dr. Stephen G. Cessna	(540) 432-4403 cessnas @ emu.edu
Hampden-Sydney College Hampden-Sydney, VA 23943	Dr. Kevin M. Dunn	(434) 223-6183 kdunn @ hsc.edu
James Madison University Harrisonburg, VA 22801	Dr. Richard Foust	(540) 568-6246 foustrd @ jmu.edu
Longwood College Farmville, VA 23909	Dr. Melissa Rhoten	(434) 395-2636 rhotenmc @ longwood.edu
Mary Baldwin College Staunton, VA 24401	Dr. Vladimir Garkov	(540) 887-7102 vgarkov @ mbc.edu
Randolph-Macon College Ashland, VA 23005	Dr. Serge Schreiner	(804) 752-7206 sschrein @ rmc.edu
St. Paul's College Lawrenceville, VA 23868	Dr. Sunday A. Adesuyi	(434) 848-6484 sadesuyi @ saintpauls.edu
Shenandoah University Winchester, VA 22601	Dr. Diep Ca	(540) 678-4330 dca @ su.edu
University of Mary Washington Fredericksburg, VA 22401	Dr. Kelli Slunt	(540) 654-1406 kslunt @ umw.edu
University of Richmond Richmond, VA 23173	Dr. William Myers	(804) 289-8249 wmyers @ richmond.edu
University of Virginia Charlottesville, VA 22901	Dr. David S. Cafiso	(434) 924-3067 dsc0b @ virginia.edu
Virginia Commonwealth Univ. Richmond, VA 23284	Dr. Nicholas P. Farrell	(804) 828-1298 npfarrell @ vcu.edu
Virginia State University Petersburg, VA 23806	Dr. Colleen Taylor	(804) 524-5481 cmtaylor @ vsu.edu
Virginia Union University Richmond, VA 23220	Dr. Dorothy Eseonu	(804) 257-5615 dneseonu @ vu.edu

NCW VOLUNTEERS NEEDED!

The Virginia Section will be participating in the National Chemistry Week celebration. Volunteers are needed to make this a successful event! The National Chemistry Week Event will be held at the Science Museum of Virginia in Richmond from on **Saturday October 25**, 11:00 am - 4:00 pm. Participants can make a buckyball, learn about friction, compete in a flywheel contest, race solar cars, make superballs, and generate energy by riding a bike. Anyone who would like to help out with this event should **contact Dr. Kristine Smetana** by e-mail to ksmetana@jtcc.edu or at (804) 706-5143. Over 900 persons participated in the 2007 NCW event at the Science Museum.

Entries are being solicited for the national NCW poster contest. Students in kindergarten through 12th grade can submit posters that recognize the NCW theme "Having a Ball with Chemistry". The winning posters for the Virginia Section will be entered into the national competition. Please contact Kristine Smetana or visit the ACS Website at <http://www.chemistry.org/ncw> or call 1-800-227-5558, extension 6097 for more information on NCW and the poster contest. Posters must be received by October 25.

VIRGINIA SECTION WINS NATIONAL AWARD

The Virginia Section has been awarded another ChemLuminary Award from the American Chemical Society. The award, for "**Creative and Innovative Use of the Chemists Celebrate Earth Day Theme**," was presented to the Section by the ACS Committee on Community Activities. This marks the second consecutive year that the Section has received this award. Dr. Kristine Smetana, Coordinator of Earth Day activities for the Virginia Section, accepted the award on August 19, 2008 at the 236th national meeting of the American Chemical Society, held at the Pennsylvania Convention Center in Philadelphia.

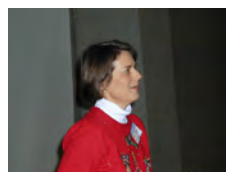


DATABASE OF SECTION MEETINGS AND SPEAKERS

A list of Virginia Section meetings from 1953 through 2008 is now available on the Section website: <http://membership.acs.org/VVA/>. The Excel® database includes the names of the speakers, their affiliations, the titles of the talks, the meeting locations, and the dates of the meetings.

CAN YOU IDENTIFY THIS PERSON?

The photograph is from 1992 when it appeared in the *Richmond Times-Dispatch*. The subject, who was then an adjunct professor at Virginia Commonwealth University, was taking the part of Christopher Columbus at a Columbus Day ceremony. The Order of the Sons of Italy in America laid a wreath at the Columbus statue in Byrd Park in Richmond. The chemist played Christopher Columbus at a number of different functions and was often accompanied by his wife who is a professor of chemistry at VCU. He once said that his portrayal of Columbus brought him more fame than his lifetime of work in chemistry.



The "mystery person" shown in the September issue was Ms. Betsy Ameen, physical science teacher at Swift Creek Middle School in Chesterfield County and winner of the Section award for outstanding middle school science teaching in 2002.



THE BULLETIN

Published eight times a year by the
American Chemical Society
Virginia Section

Science Museum of Virginia
2500 West Broad Street
Richmond, VA 23220
<http://membership.acs.org/V/VA/>

NON-PROFIT ORGN.

**U.S. POSTAGE
PAID**

**Richmond, Virginia
Permit No. 1231**

OFFICERS OF THE VIRGINIA SECTION OF THE ACS

Chair - Mr. Charles (Trey) Gregory (804) 504-8840



Trey Gregory

Chair-Elect - Mr. Kenneth Chapman (804) 448-4852

Vice Chair - Dr. Yezdi Pithawalla (804) 274-4587

Secretary - Dr. Stephanie Mabry (804) 639-6991

Treasurer - Dr. Brian Moores (804) 227-3149

Bulletin Editor - Dr. James Beck (804) 733-5286

Bulletin Publisher - Dr. Will Lewis (804) 274-5869