



The Bulletin
of the
Virginia Section
AMERICAN CHEMICAL SOCIETY

FEBRUARY MEETING NOTICE

**Randolph-Macon College
Ashland, Virginia**

Friday, February 25, 2011

RECEPTION: 6:00 p.m.
(cash bar) Estes Dining Hall
Second Floor
306 Henry Street

DINNER AND PROGRAM: 6:30 p.m.
Estes Dining Hall
Second Floor

MENU: **Four-Course Seated Dinner!**
Roasted Pepper Appetizer with Assorted Dips and Sauces
Fresh Greens with Choice of Dressing
Prime Rib with Caramelized Onions, Goat Cheese Mashed Potatoes,
Green Beans with Roasted Red Pepper, and Fresh Bread
Chocolate Pavé with Raspberry Coulis
A vegetarian eggplant dish is available on request when reservation is made.

PRICE: ACS Members and Guests - \$25.00
High School Students, College Students, High School Teachers - \$13.00
Retired ACS Members & Guests; Retired Teachers & Guests - \$20.00

DINNER RESERVATIONS: Please make reservations for the Dinner by **NOON on Tuesday, February 22** by calling Ms. Barbara Wirth at **(804) 752-7368** or by e-mail to **bwirth@rmc.edu**.

HOST: Dr. April Marchetti, (804) 752-7319; amarchet@rmc.edu

SPEAKER: **Dr. Brian Moores, Randolph-Macon College**

TOPIC: **“What’s Cookin’? Chemistry in the Kitchen”**

FEBRUARY 2011

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		<i>reservations</i>			<i>meeting</i>	
27	28					

Dr. Brian Moores

Brian Moores is a native of Portland, Maine. He received his bachelor's degree in chemistry from Bates College and his Ph.D. in physical chemistry from the University of Illinois/Urbana-Champaign. He did postdoctoral research at the University of California at Riverside and held teaching positions at the University of Hartford, The George Washington University, Oglethorpe University, and Randolph-Macon College. He retired from teaching at Randolph-Macon in 2005, but continues to teach occasional courses in food chemistry and environmental sustainability. He is also the Ashland location manager of the Local Roots Food Co-op, and enjoys cooking for a crowd.



“What’s Cookin’? Chemistry in the Kitchen”

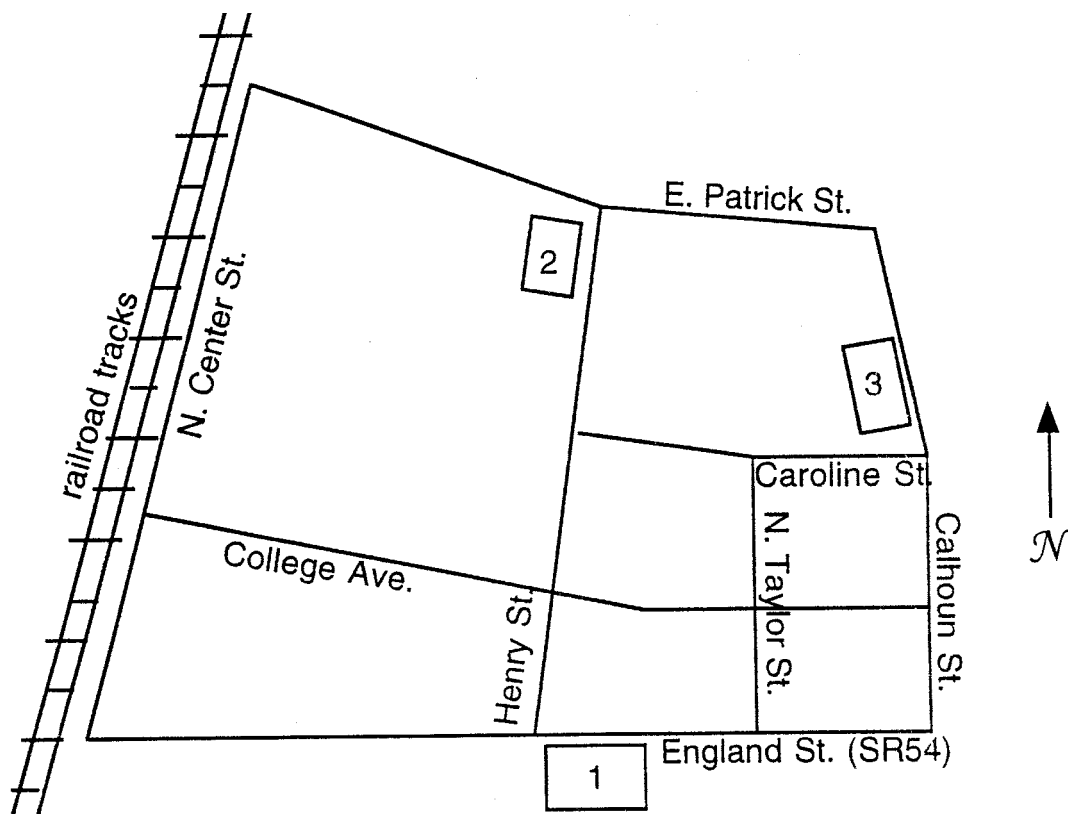
The composition of familiar foods, and the transformations they undergo during cooking, represent an interesting area of chemistry. Also, a knowledge of the structural and process chemistry involved in the preparation of familiar dishes can help a cook do a better job in the kitchen! In this talk (if time permits) the chemistry of four different categories of foods will be discussed, using as examples dishes prepared for the meal served at the meeting. We will look at the chemistry of capsaicin, the ingredient that gives spicy food its “kick”; the chemistry of browning reactions, both the caramelization of sugars and the browning of meats during roasting; the processes involved in preparing cocoa and chocolate; and the chemistry of common food emulsions like salad dressings. So if the price of the meal seems a bit steep, think of the dishes served as the components of a lecture demonstration! Ample time for discussion will be allowed, including a look at the “local foods” movement.

DIRECTIONS

1. Take Interstate 95 to Ashland in Central Virginia, 90 miles south of Washington, D.C.; 100 miles north of the North Carolina border; 12 miles north of the intersection of Interstates 64 and 95.
2. Get off I-95 at Exit 92B - Route 54 West (Ashland).
3. Take Route 54 across Route 1 (your third traffic light).
4. About ½ mile after crossing Route 1, turn right at the R-MC Welcome Center on to Henry Street (across from the Ashland Post Office). Estes Dining Hall is on the left, just past Fountain Plaza and the Frank E. Brown Campus Center.
5. Enter the Dining Hall via the front door and use the stairs on the left to get to the second floor. Handicapped access to the second floor is through the double doors to the elevator on the right.

Parking: Street parking is available near the Estes Dining Hall. In addition, there is a small visitor parking lot just before you get to the Dining Hall.

MAP



Legend:
 1: Ashland Post Office
 2: Estes Dining Hall
 3: Copley Science Center

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

FUTURE MEETINGS

DATE: **March 18, 2011**
 LOCATION: University of Richmond
 Richmond, VA
 HOST: Dr. Lisa Gentile
 PHONE: (804) 484-1578
 E-MAIL: lgentile@richmond.edu
 SPEAKER: **Dr. Harry B. Gray**
 TOPIC: "The Solar Army"
(POWELL LECTURESHIP)

DATE: **April 22, 2011** (tentative)
 LOCATION: University of Virginia
 Charlottesville, VA
 HOST: Dr. James Demas
 PHONE: (434) 924-3343
 E-MAIL: demas@virginia.edu
 SPEAKER: **Dr. William Mattson**
 TOPIC: "Creative Problem Solving in Research"

 **STUDENT POSTER SESSION**

VIRGINIA ACADEMY OF SCIENCE ANNUAL MEETING

University of Richmond
May 25-27, 2011



CALL FOR PAPERS

The 89th Annual meeting of the Academy will be held at the University of Richmond in Richmond on May 25-27. Titles for papers should be sent to the Secretary of the Chemistry Section by Friday, **February 11**, 2011. Oral presentations will be scheduled on May 26. There will be a Poster Session for all Sections that will be set up and stay up all day Thursday, May 26. To submit an oral presentation or poster, send the title and author(s) to J. Ellis Bell, 28 Westhampton Way, University of Richmond, Richmond, VA 23173 (804) 289-8244; jbelle@richmond.edu. Note that the presenting author must be registered for the VAS meeting and at least one author must be a member of the Academy. Abstracts of papers will be due at the Annual Meeting. Full information about paper submission and about Academy membership can be found on the Academy's website: www.vacadsci.org.

THE CHAIR'S CORNER

The International Year of Chemistry 2011 (IYC 2011) began last month and I hope you are excited about this year-long series of events. The Year of Chemistry is sponsored by the International Union for Pure and Applied Chemistry (IUPAC) and the United Nations Educational, Scientific, and Cultural Organization (UNESCO). The official website can be found at <http://www.chemistry2011.org/>. The theme of the celebration is "Chemistry – our life, our future," and the ACS has set up a website called 365: Chemistry for Life (<http://iyc2011.acs.org/>) highlighting a different chemical discovery each day.



The year 2011 also marks the 100th anniversary of Marie Curie being awarded the Nobel Prize, and events celebrating the contributions of women scientists are planned as part of the Year of Chemistry. For example, the Women Chemists Committee of the ACS helped promote an international networking breakfast on January 18 called "Women Sharing a Chemical Moment in Time" that linked events around the world. A group of my colleagues here at Afton Chemical participated, and it was a fun way to celebrate the start of IYC 2011.

Please take some time and check out the websites listed above. I am very interested in suggestions from members of the Section on how the Virginia Section can participate in and promote IYC 2011.

Stephanie Mabry, Section Chair
Stephanie.Mabry@verizon.net

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 jcrocket@bridgewater.edu
College of William & Mary Williamsburg, VA 23187-8795	Dr. Chris Abelt	(757) 221-2540 cjabel@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) 223-6181 kdunn@hsc.edu
James Madison University Harrisonburg, VA 22801	Dr. Richard Foust	(540) 568-6246 foustrd@jmu.edu
Longwood University Farmville, VA 23909	Dr. Melissa Rhoten	(434) 395-2636 rhotenmc@longwood.edu
Mary Baldwin College Staunton, VA 24401	Dr. Ralph Karl Zachary	(540) 887-7117 kzachary@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. Leanna Giancarlo	(540) 654-1407 lgiancar@umw.edu
University of Richmond Richmond, VA 23173	Dr. Lisa Gentile	(804) 484-1578 lgentile@richmond.edu
University of Virginia Charlottesville, VA 22904-4319	Dr. David S. Cafiso	(434) 924-3067 dsc0b@virginia.edu
Virginia Commonwealth Univ. Richmond, VA 23284	Dr. Scott Gronert	(804) 828-1298 sgronert@vcu.edu
Virginia State University Petersburg, VA 23806	Dr. Grace Ndip	(804) 524-5064 gndip@vsu.edu
Virginia Union University Richmond, VA 23220	Dr. Dorothy Eseonu	(804) 257-5615 dneseonu@vuu.edu

WWC CAREER PANEL

The Women Chemists Committee (WCC) of the Virginia Section will sponsor the third annual chemistry career discussion panel for students interested in careers in the chemical sciences. The panel will be held on Friday, **February 11**, 2011 at 12:30 pm in the L. Douglas Wilder (Cooperative Extension) Building on Carter G. Woodson Avenue at Virginia State University. Directions are provided using the following link:

<http://www.cnr.vt.edu/woodybioenergy/documents/VSUCooperativeDirections.pdf>.

Speakers representing chemistry careers in teaching/forensics, research and government jobs will share their career stories and answer questions. All interested students are invited, and light refreshments will be served beginning at 12:00 pm. Parking in the visitors lot, Lot 7, is recommended and efforts will be made to reserve as many spaces as possible. However, should this lot become filled, visitors should proceed on along Carter G. Woodson Avenue to the police station on the left for a temporary parking pass in any available lot.

This year's panelists include:

- **Dr. Marilyn T. Miller**, Associate Professor in Forensic Science at Virginia Commonwealth University;
- **LaTrease E. Garrison**, Assistant Director of the Member Communities/Department of Volunteer Support group within the ACS Division of Membership and Scientific Advancement;
- **Ming Waters**, Tyvek(R) Quality Manager for DuPont Protection Technology Business Unit.

More information on the discussion and the panelists can be found on the Section website: <http://www.virginia.sites.acs.org/> (click on "Activities").

REMARKS FROM THE PAST-CHAIR

Dear Section Members,

It was my honor and pleasure to serve as the 2010 Chair for our section. The things I have learned from several of you, the encouragement and support that I received, and most importantly, the friendships developed, will always be a part of me.

I want to personally thank each and every one of you for your on-going commitment to the Virginia Section. The year 2011 is going to be an exciting year for our section as we host SERMACS. It will be an excellent platform, where local and regional chemists will get together and "Chart Connections in Chemistry". I urge you to get involved with the planning and volunteering activities both for the section and for SERMACS. Members like you have made our wonderful section what it is today. I sincerely hope that you will continue to show your support.

I bid you goodbye from my role as chair and leave you under the excellent leadership of Stephanie Mabry. I am always here as a friend and fellow section member.

Regards,

Yezdi B. Pithawalla.

yezdi.b.pithawalla@altria.com



In Memoriam

W. Allan Powell
1921 - 2010



Dr. William Allan Powell, Professor of Chemistry Emeritus at the University of Richmond, died on December 21, 2010. He taught at the University of Richmond from 1952 until his retirement in 1991 and served as Chairman of the Department of Chemistry from 1959 to 1982. The W. Allan Powell Chemistry Lectureship was established at the University of Richmond to honor him. The Powell Lectures have been held annually since 1988 and have featured leading national and international scientists. The 2011 lecture will be held on March 18 with Professor Harry B. Gray presenting.

Dr. Powell was very active in the Virginia Section of the American Chemical Society. He served as Chair of the Section in 1964 and was a Section councilor from 1970 through 1989. During his tenure as a councilor, he held positions on several national committees. He held other Section positions as secretary, vice-chair, and chair-elect and served on numerous committees and task forces. In 1977, the Virginia Section presented him with its highest honor, the Distinguished Service Award. He was the editor of the history of the Section, *The Virginia Section of the American Chemical Society: The First Seventy-Five Years*, published in 1996.

Dr. Powell was born in Wallace, North Carolina and received the B.S. degree from Wake Forest College in 1942. After graduation he worked as a chemist for Alcoa, first in North Carolina, then in Pennsylvania. In 1953 he received the Ph.D. degree from Duke University. He joined the faculty at the University of Richmond in 1952 as an Assistant Professor and was promoted to Professor of Chemistry in 1966.

He was active in the Virginia Academy of Science, serving as Chairman of the Chemistry Section, Treasurer of the Academy, and President, and in the chemical fraternity, Gamma Sigma Epsilon. After his retirement, he and his wife Edna Rae moved to Deltaville where they operated the Chesapeake Bay Shop for a number of years. Edna died in 2006. Allan was active in the Lion's Club, served as a docent for the Deltaville Maritime Museum, taught in the Middlesex County Literacy Program, and was active in the local Masonic Lodge and at Zoar Baptist Church. He is survived by his daughter Beth Yerxa, sons Bill and Brad Powell, and five grandchildren. Donations in honor of Dr. Powell can be made to the Powell Lectureship at the University of Richmond or to the Deltaville Maritime Museum.

Chemistry at Randolph-Macon College



**Randolph-Macon
College**
Ashland, Virginia

The chemistry program at Randolph-Macon is designed to prepare a student for graduate school, medical school, dental or veterinary school, or a career in industry, government, or academics, but it is first and foremost a degree in the liberal arts. Therefore, a chemistry major will complete a core of arts, humanities, and social science courses as well as an ACS-approved major curriculum. The chemistry curriculum includes all the core courses in chemistry (general, organic, physical, inorganic, analytical, biochemistry), plus many interesting electives such as Chemistry of Wine Making, Medicinal Chemistry, and Chemistry & Crime. Students may select from a variety of emphases: Research (ACS degree), Biochemistry, Forensic, General, or Chemical Education.

The hallmark of the R-MC Chemistry program is a dedication to the individual student. This means one-on-one student-faculty research projects. The College's Summer Undergraduate Research Fellowship (SURF) program (which was begun in the chemistry department in 1997) brings 5-7 chemistry student participants each summer. Their work has resulted in publications in peer-reviewed journals, as well as presentations at national and international meetings.

The proximity of Ashland to Richmond and to Washington, DC enables students to carry out internships at state or federal laboratories, as well as at the research laboratories of industrial corporations, and makes it convenient for faculty to schedule trips to such facilities. Chemistry majors at Randolph-Macon are encouraged to work as student assistants in the chemistry laboratory program. By doing so, they gain valuable teaching experience and consolidate their knowledge of laboratory procedures.

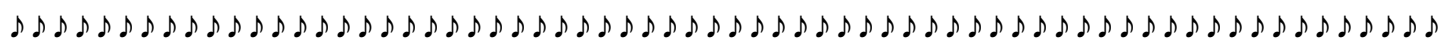


The chemistry department is housed in Copley Science Center, a three-story building which also houses the departments of biology, computer science, mathematics, psychology, and physics. Our students have access to all of the scientific instrumentation in the department: 400 MHz FT NMR, AA, GC/MS, HPLC, GPC, DSC, TGA, and two FT-IR instruments, one equipped with a microscope. In addition, we have a state-of-the art polymer characterization facility. Each faculty member is assigned a research laboratory, and the department houses a small chemistry library. Additional chemistry monographs, textbooks, and periodicals are located in the McGraw-Page Library on campus.

Faculty include Dr. Nora Green, Dr. April D. Marchetti, Dr. Rebecca Michelsen, Dr. Serge Schreiner (department chair), and Dr. John Thoburn. For more information please visit www.rmc.edu.

CURRENT CONTACT INFORMATION

Does ACS have your correct contact information? If you have had a change in address, phone number, or e-mail address, contact ACS to update your information. Please include both the old and new contact information and your membership ID (the 8-digit number in the upper left hand corner of the C&E News address label. Telephone (800) 333-9511 or e-mail [service @ acs.org](mailto:service@acs.org).



WORDS OF WISDOM FOR FEBRUARY:

"Knowledge Speaks, But Wisdom Listens"

2011 CHEMISTRY OLYMPIAD

The Virginia Section will host the 2011 Chemistry Olympiad for all high school chemistry teachers and students who are interested in participating. The Local Section competition will involve first and second year chemistry examinations given between February 28 and March 28. **The deadline for registration is February 14.** The students who do well in the local competition will be nominated to take the national examination on April 16 at J. Sargeant Reynolds Community College in Richmond and to compete for 20 positions in the study camp at the US Air Force Academy in Colorado (June, 2011). The five member International Chemistry Olympiad (IChO) team will be chosen from these 20 students and will compete in the IChO, to be held in Akara, Turkey, July 9-18, 2011. The United States team won two gold, one silver, and one bronze medal in the 2010 International Chemistry Olympiad, held in Tokyo, Japan. For more information and the application forms, either hard copy or on-line, go to the Virginia Section website <http://www.virginia.sites.acs.org> and click on "ACTIVITIES". Dr. Ann Sullivan is the coordinator for the Chemistry Olympiad in the Virginia Section; she can be reached at asullivan@reynolds.edu.

2011 SECTION OFFICERS



Left-to-right:

Karen Carter - Chair-Elect

Stephanie Mabry - Chair

Brad Norwood - Treasurer

Rob Davidson - Secretary

Not shown:

Joseph Crockett - Vice Chair

REPORT ON THE JANUARY SECTION MEETING

The Virginia Section meeting on January 21, 2011 was held at John Tyler Community College in Chester with Dr. Kristine Smetana as host. Over 50 persons heard Professor Herb Sipe from Hampden-Sydney College discuss "Toxic Chemicals and Society." Dr. Sipe was introduced by Sho-Dan Epps, Vice President of the Chemistry Club at John Tyler C.C. Dr. Stephanie Mabry, Chair of the Section, presided at the meeting and presented Dr. Sipe with the traditional engraved Jefferson Cup at the conclusion of his talk. Thanks to Dr. Smetana and her students and colleagues at John Tyler for organizing this meeting.



Dr. Herbert Sipe and
Dr. Stephanie Mabry



Mr. Sho-Dan Epps



Dr. Kristine Smetana with
Dr. Sipe and JTCC Group



Dr. Herbert Sipe

SEMINARS AT VIRGINIA COMMONWEALTH UNIVERSITY

February 10 - **Dr. Tom Roper**, GlaxoSmithKline

February 24 - **Dr. Gerhard Hummer**, National Institutes of Health

March 10 - **Tyler McQuade**, Florida State University

March 22 - **Tong Ren**, Purdue University

March 24 - **Dr. Lisa Holland**, West Virginia University

April 5 - **Laura Shirtcliff**, Oklahoma State University

April 14 - **Felicia Etzkorn**, Virginia Tech

April 21 - **Professor Daniel Nocera**, Massachusetts Institute of Technology (**Mary Kapp Lecture**)

April 28 - **John C. Poutsma**, College of William & Mary

May 3 - **Dr. Adam Matzger**, University of Michigan

The 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.

**SEMINARS AT THE UNIVERSITY OF VIRGINIA**

February 18 - **Professor David Schwartz**, University of Wisconsin, "A Singular View of the Genome"

March 4 - **Professor David Chiffel**, Vanderbilt University, "Multianalyte Microphysiometry: Microfluidic Electrochemistry for Metabolic Profiling"

March 18 - **Professor Joe Lakowicz**, University of Maryland, "Principles and Applications of Fluorescence with Plasmonic Nanostructures"

March 25 - **Professor David Nesbitt**, University of Colorado, "From Hydrocarbon Combustion Radicals to Gas-Liquid Interfacial Collision Dynamics: Insights from Quantum State-Resolved Studies"

April 1 - **Dr. Cherie V. Miller**, U. S. Geological Survey, "Monitoring and Modeling Techniques to Evaluate Chemistry in Streams with Focus on Continuous Water Quality that Provide Insights into Urban Stream Processes on Short Temporal Scales" (**JEFFERSON LECTURE**)

April 8 - **Professor Karen Goldberg**, University of Washington, "Reactions of Late Transition Metal Alkyl and Hydride Complexes with Molecular Oxygen"

April 8 - **Professor Steve Benkovic**, Pennsylvania State University (**HECHT LECTURE**)

April 29 - **Professor Richard Brennan**, Duke University, "How Bugs Escape Drugs"

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/>.

SECTION WEBSITE

Have you checked out the Virginia Section website lately? The format has changed and there are some new features available. Of course, you can still find the latest information on Section activities and events, including the monthly Section meetings. Present and past issues of the Bulletin are posted on the site. Your comments and suggestions for improvements are welcomed. Contact the Webmaster, Dr. Ann M. Sullivan at (804) 523-5777; asullivan@reynolds.edu.

<http://www.virginia.sites.acs.org>

VIRGINIA SECTION DEMOGRAPHICS

As of December 9, 2010, there were 1444 ACS members in the Virginia Section. Of these, 895 (62.0%) were regular members, 280 (19.4%) were student members, 163 (11.3%) were emeritus members, and 198 (6.8%) were retired members.

Membership by age: 25 and under – 4.8%; 26-35 – 13.0%; 36-45 – 13.9%; 46-55 – 16.8%; 56-65 – 11.3%; 66-70 – 5.9%; 71 and over – 13.4%; not available – 16.1%

Membership by gender: Male – 68.7%; Female – 26.7%; not available – 4.6%

Membership by years of service: 0-1 – 24.2%; 2-3 – 16.9%; 4-5 – 9.2%; 6-10 – 18.9%; 11-15 – 30.8%

Membership by ethnicity: White (Caucasian) – 53.8%; Asian – 7.0%; African American (Black) – 4.1%; Hispanic – 1.3%; other and not available – 34.8%

Membership by employer: Manufacturer – 24.8%; Academic Institution – 31.8%; Government – 5.8%; Independent Consultant – 5.3%; Independent Laboratory – 3.1%

Membership by job title: Professor/Instructor – 19.0%; Chemist/Scientist – 16.5%; Research & Development Management – 9.7%; Graduate Student – 8.7%; Consultant/Advisor – 4.0%; Executive Management – 3.5%

Membership by field of research: Analytical Chemistry – 3.4%; Organic Chemistry – 2.9%; Pharmaceutical – 1.5%; Inorganic Chemistry – 1.3%; Biochemistry/Molecular Biology/Biomaterials – 1.3%; Education – 1.1%; Physical Chemistry – 1.1% Environmental Science – 1.0% Plastics/Polymers/Rubber – 1.0%

CHEMISTS CELEBRATE EARTH DAY (CCED)

Earth Day has been observed since 1970. April 22 is Earth Day 2011. The ACS will be participating in Earth Day through the Chemists Celebrate Earth Day (CCED) program. This will be the eighth year for CCED. The theme this International Year of Chemistry is "Energy". The Virginia Section will participate with a celebration at the Midlothian campus of John Tyler Community College, an illustrated poem contest, and a competition for student affiliate chapters. Dr. Kristine Smetana will coordinate the CCED program. Contact her for more information and to volunteer your support and assistance: ksmetana@jtcc.edu.



INFORMATION FOR THE BULLETIN

Articles and information for the Virginia Section Bulletin should be sent to the Editor: James D. Beck, 1977 Vesonder Road, Petersburg, VA 23805; (804) 733-5286; beckjd1977@comcast.net. Announcements of positions available are especially welcomed and are printed at no charge.

QUESTIONS FROM THE PAST

This question was asked in the January Bulletin: Ms. Judy Fitzpatrick, a fourth grade teacher at Short Pump Elementary School in Henrico County, was recognized at the December 10, 2010 meeting of the Virginia Section. She was the first recipient of the Section's Distinguished Elementary School Science Teacher Award. The Virginia Section has been recognizing outstanding high school chemistry teachers since 1948 (Lawrence W. Jarman was the first recipient of the Distinguished High School Chemistry Teacher Award). Recognition of middle school science teachers began much later. **When was the first Distinguished Middle School Science Teacher Award presented and who was the recipient?** The first award to a middle school science teacher was presented to **Jeannie Bishop in 1990**.

A new question: The "Mystery Person" shown in the January Bulletin was Dr. Orville L. Chapman who presented the 2001 W. Allan Powell Lectureship at the University of Richmond. That was not the first time that he addressed the Virginia Section. **When did Dr. Chapman talk to the Section on the topic "Sex Pheromone Action: Chemical Language"?**

ELECTRONIC DELIVERY OF BULLETIN

The Bulletin is available online at the Virginia Section website: <http://www.virginia.sites.acs.org/>. Section members for whom we have a correct e-mail address will receive e-mail notification when the current issue is available for viewing. Be sure that your e-mail address is up-to-date and that any spam filter on your system will not block e-mail from beckjd1977@comcast.net. If you prefer to receive paper copies, please return the form below or send your current address by e-mail to beckjd1977@comcast.net.

I would like to receive paper copies of the Bulletin via the U.S. Postal Service:

Name _____

Street Address _____

City, State, Zip Code _____

Send this form to James Beck, 1977 Vesonder Road, Petersburg, VA 23805-2933

CAN YOU IDENTIFY THIS PERSON?



The photograph is from about 1960. It was taken in the Governor's Office at the State Capitol in Richmond. The gentleman on the left was the governor of Virginia at that time. He is shown with a document that was presented to him by a member of the Virginia Section. The governor was born in Charlottesville and raised in Orange County. He attended Virginia Tech and earned an LL.B. from the University of Virginia School of Law. He served as the 58th Governor of Virginia from 1958 until 1962. The ACS member served the Virginia Section in many ways. He was especially active in science education.

The person shown in the January Bulletin was Dr. Orville Chapman, the Powell Lectureship speaker in 2001.



TEACHING AWARD WINNER RECOGNIZED

Ram Bhagat, a science teacher at Open High School in Richmond, was one of three standout teachers from around the region who were profiled in the November, 2010 issue of *Richmond Magazine*. He teaches chemistry and AP environmental science at the Open High School. A graduate of Virginia State University, he grew up in New Haven, Connecticut. In 2006 he received the Virginia Section award for Distinguished High School Chemistry Teaching.



SYMPOSIUM TOPICS FOR SERMACS 2011

The Virginia Section will host the 2011 Southeastern Regional Meeting (SERMACS 2011). The meeting will be held at the Omni Hotel in Richmond, October 25-29, 2011. The SERMACS Steering Committee is chaired by Dr. Joseph Pompano. They are soliciting suggestions for symposium topics. The theme of the meeting is "Charting Chemical Connections." SERMACS 2011 will consider any symposium that involves the traditional connections within chemistry or the connection of chemistry to other disciplines. Although SERMACS does not pay speaker honoraria, funds are available to support symposia by assisting with speaker housing, travel, or registration. Criteria and guidelines for symposia organizers are available. Anyone interested in proposing a symposium topic or organizing a symposium should contact Dr. Fred Hawkrige at Virginia Commonwealth University, fmhawkri@vcu.edu.

ACS SCHOLARS PROGRAM

The ACS Scholars Program is now accepting applications for the 2011-2012 academic year; the deadline is March 1, 2011. Complete information and application forms are available on-line at www.acs.org/scholars. The ACS Scholars program can be contacted at scholars@acs.org or by telephone at (202) 872-6250.

ASSISTANCE NEEDED WITH SECTION COMMUNICATIONS

The Virginia Section provides information to its members through a variety of means, including the Section newsletter (the *Bulletin*), the Section website (<http://www.sites.virginia.acs.org/>), and e-mail messages. Assistance is needed in providing these services. Please volunteer to help out a few hours a month. We can use help in gathering information, writing articles, editing, proofreading, website development and maintenance, and electronic mail. Please contact us if you are willing to assist the Section in these important activities: James Beck, 1977 Vesonder Road, Petersburg, VA 23805; (804) 733-5286; beckjd1977@comcast.net.


RECOGNITION OF FRANK KIZER

The Virginia Section will honor the late Frank Kizer by naming the high school teacher award for him. The teaching award, which is given annually to an outstanding chemistry teacher from the Virginia Section, will now be designated as the Franklin D. Kizer Award for Distinguished High School Chemistry Teaching.

Frank Kizer was a long-time member of the Section who worked diligently for science education. He was one of only two persons to have received both the Distinguished Service Award and the award for Distinguished High School Chemistry Teaching. He was also active in the Virginia Academy of Science. He was the first State Supervisor of Science for Virginia, retiring in 1979 after 23 years of service. Frank passed away in 2010 at the age of 93. The first Kizer teaching award will be presented in December, 2011. Nominations for the award are welcomed.



METRO RICHMOND SCIENCE FAIR

 The Virginia Section of the ACS is a supporter of the Metro Richmond Science Fair. This year's fair will be held at Godwin High School in Henrico County on March 19, 2011. The Fair is Central Virginia's regional qualifying science fair for 7th - 12th grade students. It is hosted by the MathScience Innovation Center. The Metro Richmond Fair is associated with the Intel International Science and Engineering Fair. Past winners at the Fair have gone on to national and international competitions. Projects are subjected to a two level process. Submitted papers are read and screened by the preliminary judges in February. Top scoring students are invited to present their projects at the Fair on March 19. There are cash prizes at both the Junior and Senior Divisions and numerous special awards. The deadline for submitting Junior Division (grades 7-8) papers is Feb. 4; for the Senior Division (grades 9-12), it is Feb. 11. Full information can be found on the website: <http://www.sciencefair.msinnovation.com>.

Judges are needed for both the preliminary screening of papers and for the projects that are presented on March 19. Contact sciencefair@msinnovation.info to volunteer your assistance.

HISTORY OF THE VIRGINIA SECTION - 1994

Dr. W. Allan Powell compiled a history of the Virginia Section that was published in 1996 as "The First Seventy-Five Years" (the Virginia Section received its charter from the American Chemical Society on April 9, 1915; Dr. Powell's account ended in 1990). We are in the process of updating the history. Listed below is a draft of the first part of a narrative account of the Section's activities in the year 1994. We would appreciate comments, corrections, and suggestions on this. Please communicate your thoughts to James Beck, (804) 733-5286; beckjd1977@comcast.net.

1994

Chair - Philip P. Burks, Jr.

Chair Elect - Elizabeth M. Hairfield

Vice Chair - Larry H. White

Secretary - Meredith Moses

Treasurer - William H. Myers

Councilors - R. Gerald Bass, William F. Kuhn, Charles E. Thomas

Trustees - William R. Smithey, Jr.; James E. York, Jr.; J. Samuel Gillespie, Jr.

The Virginia Section held eight regular meetings during 1994:

- January 21 - Randolph-Macon College, Ashland. Charles A. Garber, "Characterization of Effects of Cosmetic Products on Human Hair, Skin, and Fingernails with Electron Microscopy"
- February 18 - University of Richmond, Richmond. Herbert C. Brown, "Discovering and Exploring a New Continent of Chemistry" (W. Allan Powell Lectureship)
- March 10 - Longwood College, Farmville. Wilfred N. Arnold, "Vincent van Gogh; Chemicals, Crises, and Creativity"
- April 22 - University of Virginia, Charlottesville. Lidia M. Vallarino, "Design, Synthesis, and Applications of Lanthanide Macrocyclic Complexes"
- September 23 - Virginia Commonwealth University, Richmond. William R. Smithey, Jr., Distinguished Service Award
- October 14 - Harrisonburg High School, Harrisonburg. Anthony Winston, "Chemistry and the Invention of Photography"
- November 11 - Mary Washington College, Fredericksburg. Vladimir Garkov, "Totalitarianism vs. Democracy: Chemistry Education in Eastern Europe and the United States"
- December 2 - Burnley Vineyards, Barboursville. Joseph V. Formica, "Wine—A Chemical Symphony"

Average attendance at the monthly meetings was 66. The February meeting at the University of Richmond attracted 165 persons to hear Nobel Laureate Herbert C. Brown; 72 persons attended the December meeting at Burnley Vineyards. A Chemistry Demonstration program for high school students was held in conjunction with the February meeting at the University of Richmond. William Rademaker, Chair of the Section's Chemical Education Committee, organized the event. The Hospitality Committee, headed by Byron Johnston, sent letters of welcome to 243 new members of the Section.

(to be continued)

THE BULLETIN

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