



The Bulletin
of the
Virginia Section
AMERICAN CHEMICAL SOCIETY



OCTOBER MEETING NOTICE

Mary Baldwin University
Staunton, Virginia
Friday, October 20, 2017

SOCIAL HOUR: 5:30 p.m.
Nuthouse
Hunt Dining Hall

DINNER: 6:00 p.m.
Nuthouse

PROGRAM: 7:00 p.m.
Nuthouse

MENU: Fall Spinach Salad with Radicchio, Pecans, Pumpkin Seeds, Dried Cranberries, Parmesan Cheese, and Balsamic Vinegar; Herb Crusted Rotisserie Chicken; Maple Glazed Salmon; Wild Rice; Roasted Baby Carrots and Brussel Sprouts; Chocolate Chess Pie; Iced Tea; Fruit-infused Water
Vegetarian Option – Roasted Tofu (specify when making reservation)

PRICE: ACS Members and Guests - \$15.00
High School Students, College Students, High School Teachers - \$8.00
Retired ACS Members & Spouses, Retired Teachers & Spouses - \$10.00

RESERVATIONS: Please make reservations **by NOON on Monday, October 16** by calling Ashley Strickland at (540) 887-7116 or by email to astrickland@marybaldwin.edu

HOST: Dr. Peter Ruiz-Haas, (540) 887-7103; pruiz-haas@marybaldwin.edu

SPEAKER: **Dr. Laura Serbulea, University of Virginia**

TOPIC: **“Using Chemistry Class Advantage and Online Learning Systems in Organic Chemistry Courses”**

OCTOBER 2017

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	<small>reservations due</small>				<small>meeting</small>	
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Dr. Laura Serbulea



Laura Serbulea earned her undergraduate degree at the University of Bucharest, Romania, and her Ph.D. degree at the University of California, Los Angeles. She joined the faculty at the University of Virginia in 2012, where she is Lecturer in Chemistry and Director of the Undergraduate Program. Dr. Serbulea is actively involved in the development of organic chemistry lecture and laboratory curricula. She received several awards and grants: 2016 All-University Teaching Award at the University of Virginia; 2015 Mead Endowment Honored Faculty; Learning Technologies incubator grant (2016), and “Nucleus” grant for STEM course redesign (2013).

“Using Chemistry Class Advantage and Online Learning Systems in Organic Chemistry Courses”

Incorporation of course activities and assignments that engage students in the learning process, both in-class and outside of the classroom setting, represents a step toward enhanced student learning experiences that will result in valuable skills, will build enthusiasm for the subject, and will improve performance in the course. Chemistry Class Advantage lessons, developed by CAS, use examples from current research literature to highlight the applications of organic chemistry concepts to real-world problems. More than twenty Chemistry Class Advantage lessons have been implemented in the accelerated organic chemistry lecture and laboratory courses at the University of Virginia. The lessons selected were aimed not only at enhancing the students’ ability to use the scientific literature, through SciFinder®, to find solutions to the questions incorporated in each lesson, but also to help them begin thinking like scientists. The lessons in the laboratory course were mapped to the experiments performed in the laboratory; use of the Chemistry Class Advantage in both lecture and laboratory courses allowed for a better coordination of the concepts in the lecture course and the experiments performed in the laboratory course. Chemistry Class Advantage lessons, supplemented by other interactive assignments (weekly homework sets, tutorials and adaptive learning modules), have enhanced the learning of organic chemistry, and improved the students’ performance in these courses.

NOVEMBER MEETING OF THE SECTION

DATE: **November 15, 2017**

LOCATION: University of Mary Washington
Fredericksburg, Virginia

HOST: Dr. Janet Asper

PHONE: (540) 654-1143

E-MAIL: jasper@umw.edu

SPEAKER: **Dr. Rebecca R. Pompano**, University of Virginia

TOPIC: “Building a Living Map of the Immune System with Chemistry and Microfluidics”



DIRECTIONS

Mary Baldwin University is located at 101 East Frederick Street in Staunton. The meeting will be in the **Nuthouse**, on the ground floor of the Hunt Dining Hall (Building 19 on the map below). The best parking will be in the Sky I lot that is north of Hunt Hall. Additional directions and a more legible map can be found on the Mary Baldwin University website: <http://www.marybaldwin.edu/directions/>.

Coming from the North:

Take I-81 south to **exit 225**. From the exit ramp, turn right onto Rt. 262W. At the stoplight, turn left onto Rt. 11 south. Bear right at the first fork (Rt. 11 Business). Bear left at the next fork (N. Coalter St.). Pass the Mary Baldwin soccer field and the main entrance. Turn right on Kable Street to enter the campus, then left on Academy Street to access parking.

Coming from the East:

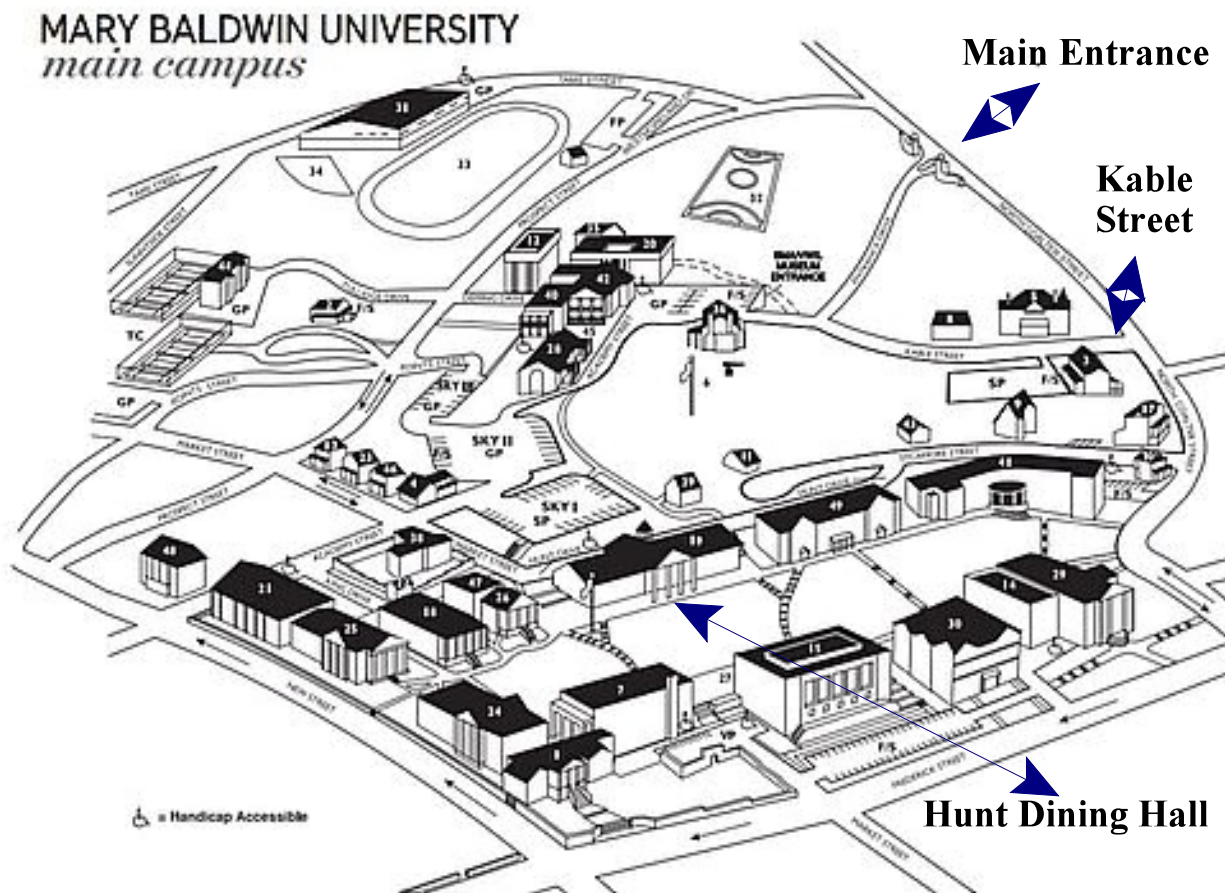
Take I-64 west to **exit 87**. Stay in the right lane of I-81 for 1/2 mile. Take **exit 222**, merge right onto 250 west. Go two miles, merge right at the fork in the road. Get into the center lane to go under the overpass. Proceed up the hill and you will see the college. Turn left on Kable Street to enter the campus, then left on Academy Street to access parking.

Coming from the South:

Take I-81 north to **exit 222**. Follow the directions from the third step under "Coming from the East."

Coming from the West:

Access from I-64 or I-81 (see above).



MARIE PAYNE GRAHAM MEMORIAL LECTURE

University of Virginia
Thursday, October 12

Dr. Paul J. Steinhardt
 Professor of Physics and Director,
 Princeton Center for Theoretical Science
 Princeton University



“The Search for Quasi-Crystals”

sponsored by the Department of Chemistry at the University of Virginia
 and the Virginia Section of the American Chemical Society

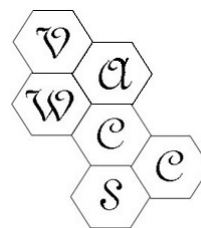
Dinner - 6:00 pm, Room 290, Gilmer Hall (Academic Commons) - \$15.00
 Seminar - 7:00 pm. Room 190, Gilmer Hall

Dinner Reservations - due by **October 5**, to Jill Venton, jventon@virginia.edu

More information at <http://www.virginia.sites.acs.org/>

CHEMISTRY CAREER DISCUSSION PANEL

The Women Chemists Committee of the Virginia Section is sponsoring the 9th annual **Chemistry Career Discussion Panel** for undergraduate students interested in careers in the chemical sciences. Speakers representing chemistry careers in a variety of fields will share their career stories and answer questions. This year's invited speakers are Niti Shah, Lachelle Waller, and Gina Harm.



The career panel will be held at **6:00 pm on Thursday, October 12** at Virginia Union University, on the first floor of the Wilder Library Lecture Hall. All interested students, ACS members and guests are invited; light refreshments will be served beginning at 5:00 pm.

For more information, directions or information regarding parking, contact Dorothy Eseonu, DNEseonu@vuu.edu.



Gina Harm

Gina is Senior Vice President and Chief Operating Officer for Afton Chemical Corporation with headquarters in Richmond, Virginia. In her current role, Gina is responsible for leading ~1600 employees worldwide who work in the procurement, engineering, manufacturing, logistics and Research and Development functions.

**Niti H. Shah**

Dr. Shah is a Research Scientist in the Regulatory Science department at Altria Client Services, Richmond. Prior to Altria, Dr. Shah held a Senior Scientist position with Eurofins Lancaster Laboratories where she implemented new technologies in mass spectrometry for analytical method development to evaluate harmful and potentially harmful constituents in tobacco products.

**LaChelle Waller**

Dr. Waller is an assistant professor of chemistry and serves as the director of undergraduate advising and research at Virginia Commonwealth University. Her unique talents as a science educator and a genetics researcher provides her with the capacity to administer programs that educate and train the next generation of diverse students in chemistry.

2017 ACS MENTOR MATCH PROGRAM

The ACS **Mentor Matching Program** started in spring 2015, when the pilot program was first introduced. Over the past few years, this program has been modified to further meet the needs of the section. This year, the Younger Chemists Committee has taken leadership of the program and is relaunching the program with a new format and schedule. Usually the program would be launched at the beginning of the year, but to be more consistent with the academic schedule, the relaunch is scheduled for this fall.

Programming activities began at the beginning of the year when mentors were sought from within and outside of the section. Mentor participation was from a variety of fields including academia, industry, and engineering. Mentor interest and participation was confirmed over the next few months culminating in a mentor interest meeting held on April 20 at the Richmond Public Library. This meeting was conducted live and via WebEx and served as an informational meeting for prospective mentors, laying out expectations for both mentors and mentees participating in the program. Light refreshments were served and feedback was provided from past and new mentors to help improve the program for the upcoming year.

Even though the official program relaunch was not slated until this fall, over the summer mentors were matched to recent graduates and graduate students as needed. This extension of the program serves as a way to extend the program to other members in the section who would benefit from the guidance of a mentor. In addition, another subgroup the program hopes to meet in the future is young professionals.

Currently, the program has officially relaunched this fall and mentor profiles were distributed to ACS affiliate universities throughout the section. Over the past few months, the Student Affiliate Chair contacted each affiliate university and informed them of the program relaunch and even designated key point persons at some universities to ensure that deserving and responsible mentees were chosen and that they maintained accountability throughout their respective mentoring relationships. Hopefully, with the beginning of a new school year, the program will create meaningful and beneficial relationships between students and members throughout the section. For more information, contact Heather Lourenco at heathernlourenco@gmail.com.

NATIONAL CHEMISTRY WEEK — 2017



National Chemistry Week (NCW) will be celebrated October 22 - 28 this year. The NCW 2017 theme of “**Chemistry Rocks!**” will focus on geochemistry. This year marks the 30th anniversary for National Chemistry Week. The 2017 activities will include the popular Illustrated Poem Contest and an NCW Community Event. There will be a special edition of the kid-friendly hands-on activity publication *Celebrating Chemistry*, and a variety of other educational resources for teachers, students, and the general public. Visit the NCW website

at www.acs.org/ncw for more information on national activities.

The Virginia Section will be celebrating National Chemistry Week at various sites. From 1:00 until 4:00 on **Sunday, October 29**, there will be an NCW celebration in Richmond at the **Science Museum of Virginia**. There will be many hands-on activities that will allow children and adults to learn about the chemistry of rocks and the earth. And...there



will be entertainment by the house band at the School of Rock! **Dr. Kristine Smetana**, Chair of the Committee on Community Activities, is organizing the events at the Science Museum. **Dr. Denise Walters** will be assisting her with the activities there and with the Poetry Contest. **Volunteers are needed to help with all the activities planned for NCW.** Anyone who would like to participate or who has suggestions for ways to celebrate NCW can contact Denise at denise.walters@pfizer.com. Help to spread the good news about chemistry!

THE CHAIR'S CORNER



As mentioned in the September *Bulletin*, the Virginia Section received a **ChemLuminary Award** for Outstanding Community Involvement in National Chemistry Week. This award is a testament to the power of working together across the section and hopefully will lead to further thematic coordinated efforts. Special thanks should go to the high school, community, and four-year college students and Samy El-Shall's VCU graduate students who together spent endless hours carving and transporting pumpkins from one location to the next. The pumpkins added to the overall impact of the activities that were put on by Kristine Smetana at the children's Museum, for which Denise Walters, Colleen Taylor, and Ann Sullivan volunteered. Special thanks as well to Joe Crockett and his colleagues for leading the effort for their pumpkin periodic table in the valley. More details on these events can be found in the December *Bulletin*, <http://virginia.sites.acs.org/Bulletin/16/December2016ACSBulletin.pdf>.

The theme for NCW this year is “Chemistry Rocks”. I call on the leaders in each of our regions in the Virginia Section to contact Kristine Smetana or Denise Walters about the National Chemistry Week event at the Science Museum of Virginia on the 29th of October. If you have any ideas on how to make this event more collaborative and wide-reaching, please let these folks know. It is often difficult to get volunteers to drive from far away on the outer reaches of the Section to help with the activities. However, if simultaneous activities are arranged, or some project or activity submitted by others in the Section can be displayed at the main event in Richmond, the overall effect will show that we are unified in our efforts.

....**Colleen Taylor**, 2017 Chair, Virginia Section

ChairVAsectionACS@gmail.com

CHEMISTRY SEMINARS AT VIRGINIA COMMONWEALTH UNIVERSITY

September 28 - Dr. Hui Wang, University of South Carolina

October 5 - Dr. Gufeng Wang, North Carolina State University

October 12 - Dr. Ayman Karim, Virginia Tech

November 2 - Dr. Gunda Georg, University of Minnesota (J. D. Smith/Larry Winters Lecture)



All seminars are held in Oliver Hall-Physical Science Wing, Room 1024 at 3:30 p.m.

More information at chemistry@vcu.edu; (804) 828-1298



CHEMISTRY SEMINARS AT THE UNIVERSITY OF VIRGINIA

September 29 - Professor Angelo Cacciuto, Columbia University, "Activity Assisted Self-Assembly of Colloidal Particles"

October 6 - Professor Thomas Mallouk, Pennsylvania State University, "Assembly and Disassembly of Layered Materials"

October 20 - Professor Jim Mayer, Yale University

October 27 - Professor Dan Nomura, University of California, Berkeley, "Redefining Druggability Using Chemoproteomic Platforms"

November 3 - Professor Cynthia Lundgren, Army Research Laboratory

November 10 - Professor Jeff Aube, University of North Carolina, Chapel Hill

November 17 - Professor Kristi Kneas, Elizabethtown College

All seminars are held at 3:30 p.m. in Room 205 of the Mechanical Engineering Building

LINETTE WATKINS NAMED TO COUNCIL POLICY COMMITTEE



Dr. Linette Watkins, Councilor for the Virginia Section, has been elected for a three-year term on the ACS Council Policy Committee. The Council is the primary governing body of the American Chemical Society. The Council Policy Committee (CPC) serves as the Executive Committee of the Council and includes 12 persons elected from among the ACS councilors that represent local sections and divisions. The CPC plans the agenda for each Council meeting and acts for the Council between ACS national meetings. More information on the CPC can be found at <https://www.acs.org/CPC>.

Dr. Watkins is a Professor and Head of the Department of Chemistry and Biochemistry at James Madison University. She has been a Councilor for the Virginia Section since 2015 and has held other ACS positions at the local, regional, and national levels. In 2014, she was named an ACS Fellow.

COUNCILOR POSITIONS AT THE NATIONAL LEVEL

The Virginia Section has three councilors (**Kristine Smetana, Ann Sullivan, Linette Watkins**) and three Alternate Councilors (**Janet Asper, Joseph Crockett, Joseph Pompano**). They represent the Section at meetings of the ACS Council (held twice a year at the national meetings) and serve on various national and Council committees. As noted above, Linette Watkins has just been elected to the Council Policy Committee. Ann Sullivan is on the Council Membership Affairs Committee and serves as chair of the Recruitment and Admission subcommittee. She is also a liaison to the Society Committee on Chemical Education. Kristine is on the Society Committee on Chemical Education and is a member of the K-12 subcommittee. Joe Crockett is an associate member of the Committee on Chemical Safety and is a liaison to the Committee on Ethics. Janet Asper is a full member of the Committee on Community Activities and is the chair of the Tools and Training subcommittee.

CHEMISTRY AT MARY BALDWIN UNIVERSITY

Mary Baldwin University is a distinctive small university committed to its rich heritage as an inclusive, women-centered liberal arts college. Mary Baldwin fulfills its mission by providing undergraduate, graduate, and professional education to a diverse population of women and men. It emphasizes high ethical standards and the development of critical, creative, and reflective reasoning as the foundation for fulfilling, engaged, and meaningful lives. We consider it one of our particular missions to prepare women for careers in fields that have been traditionally closed to them and to advance the careers of women who are presently in non-traditional fields. We provide a challenging, but encouraging, environment for students at all points of the age spectrum, from 13-year-olds enrolled in the Program for the Exceptionally Gifted (PEG), through traditional-age students in the regular undergraduate program, to mid-career professionals in the Baldwin Online and Adult Program. Much of the strength of our chemistry program arises from an emphasis on laboratory work, including student research. We want



our students to know not only the theories of chemistry taught in the classroom but also the practical aspect of chemistry learned in the laboratory. All of our majors complete 11-15 credit hours of laboratory with a full year of senior research, including participation in a research seminar and the writing and oral defense of a thesis based on their work. Many majors perform summer research, either on campus or in REU programs at other institutions, and most also present their work before the Virginia Section of the American Chemical Society or at national ACS and ASBMB meetings. Many of our majors attend graduate or medical school after graduation.

The teaching and research laboratories are in Pearce Science Center at the center of the MBU campus near historic downtown Staunton. Among other equipment students have access to ultraviolet-visible, infrared (FTIR), and atomic absorption spectrometers; a high performance liquid chromatograph; GC-FID; scanning electron and fluorescence microscopes; and digital imaging equipment for gel electrophoresis and western blotting.



NCW ILLUSTRATED POEM CONTEST

The Virginia Section of the ACS is sponsoring an **illustrated poem contest** for K-12th grade students. Write and illustrate a poem using the National Chemistry Week (NCW) theme for 2017, "Chemistry Rocks" and submit it **by November 1**. Prizes will be given for different grade levels and winners can advance to the national contest. Contest rules and entry forms can be found on the Virginia Section website, <http://www.virginia.sites.acs.org>. For more information, contact **Kristine Smetana** at Kristine-chris@msn.com or **Denise Waters** at denise.walters@pfizer.com; (804) 257-2828.

ELECTION OF VIRGINIA SECTION OFFICERS FOR 2018

Ballots for voting for officers will be sent via email to all authorized members of the Section around October 15. Voting must be completed by **November 6**. If you prefer to vote by a paper ballot, please contact **Dr. Denise Walters**, Chair of the Nominations Committee at (804) 257-2828; denise.walters@pfizer.com. Here are the nominees submitted by the Nominations Committee for 2018 offices (write-in voting is possible by electronic means or on paper ballots).

For CHAIR: Ms. Kathleen Spangler

Altria CRT

Kathleen Spangler is a Scientist at the Altria CRT in Richmond. She has been involved in tobacco and pharmaceutical testing for over 5 years. Prior to Altria, she worked at Lancaster Laboratories, Arista Laboratories, and Fareva Pharmaceuticals. She has a Bachelor's in Chemistry from the University of Virginia, with a minor in Studio Art, and an MS in Business with a concentration in Decision Analytics from Virginia Commonwealth University. Kathleen recently joined the board for the Richmond Chromatography Discussion Group. A few years ago, she started the Virginia Younger Chemists Committee by hosting events such as "The Chemistry of Beer" at Legends Brewery and "The Chemistry of Cannabis" at Sine with guest speaker Aron Lichtman. The National Section of the ACS recognized the Virginia YCC with a ChemLuminary Award for Outstanding New Local Section Younger Chemists Committee Award. She is currently the Chair Elect for the Virginia Section ACS.

For CHAIR ELECT: Dr. Joseph Pompano

Eurofins Lancaster Labs

Joe Pompano was raised in Connecticut and earned his BS in mathematics and chemistry at the University of Connecticut in Storrs. Joe received an M.S. in Human Nutrition from the University of Massachusetts, and did a Dietetic Internship at the Medical College of Virginia Hospitals in Richmond, which brought him to Virginia in 1982. After teaching high school mathematics and chemistry in Henrico County for 16 years, he obtained a Ph.D. in chemistry from Virginia Commonwealth University, doing research with Professor Sarah Rutan on artificial neural networks in the analysis of water soluble sulfonylurea herbicides, using an LC/MS. In the 1970's, Joe was the founder of an alternative school in Orange, Massachusetts and the owner/operator of a natural foods restaurant. His professional chemistry-related experience includes working as a laboratory technician at Erving Paper Mills in Erving, Massachusetts, as a Principal Scientist at Boehringer-Ingelheim Chemicals, Inc. in Petersburg and Arista Labs in Richmond. He is currently employed as a Senior Scientist at Eurofins Lancaster Labs in Richmond. Joe has been an ACS member since 1994 and is a member in the Analytical Chemistry Division. He is a member of the Executive Committee of the Virginia Section and has served the section as Treasurer, Secretary, Vice-Chair, Chair-Elect, and Chair from 2001 to 2005. He was the General Chair of the 2011 Southeast Regional Meeting of the American Chemical Society (SERMACS) He received the Virginia Section Distinguished Service Award in 2014, and is involved with the Chemistry Olympiad and is the current Vice-Chair of the Section. Joe lives in

Hanover with his wife Debbie and dog Corky. He has three daughters. Rachel is an art teacher in Charlottesville, Rebecca is an Assistant Professor of Chemistry at UVA is a, and Laura is a Ph.D. candidate in Human Nutrition at Cornell University in Ithaca, New York.

For VICE CHAIR: Dr. M. Samy El-Shall

Virginia Commonwealth University

Dr. Samy El-Shall is the Mary Eugenia Kapp Endowed Chair in Chemistry and the Chairman of the Chemistry Department at Virginia Commonwealth University (VCU). He received his B.S. and M.S. degrees from Cairo University, and a Ph.D. from Georgetown University. He did postdoctoral research in nucleation and clusters at UCLA. His research interests are in the general areas of cluster ions, ion mobility, nucleation phenomena, nanostructured materials, graphene and nanocatalysis for energy and environmental applications. He has published over 250 refereed papers and review chapters, and he holds eight US patents on the synthesis of nanomaterials, nanoalloys, nanoparticle catalysts, graphene, and graphene-supported catalysts. Dr. El-Shall received the *Exxon Education Award* in 1994 and 1995; the *Outstanding Faculty Award* of the State Council of Higher Education of Virginia (SCHEV), Virginia's highest faculty honor in 1999; *Jabir Ibn Hyyan Award* from the Saudi Chemical Society for "Advances in Nanomaterials & Nanotechnology" in 2007; the *Distinguished Research Award* from the Virginia Section of the American Chemical Society in 2009; the *Innovative Research Award* from the Society of Automotive Engineering (SAE) in 2009; the *VCU Distinguished Scholarship Award* in 2011, and the *VCU Award of Excellence* in 2016. He was selected as a *Jefferson Science Fellow* and worked as a Senior Science Advisor at the U.S. Department of State in 2012-2013. He is an elected Fellow of both the American Physical Society (APS) and the American Association for the Advancement of Science (AAAS). Dr. El-Shall has been an ACS member for 34 years.

For TREASURER: Dr. Rob Davidson

Afton Chemical

Rob is a Senior Research Associate with Afton Chemical in Richmond. He received his B.S. degree in Chemistry from Duke University, a Ph.D. in Organic Chemistry from the Univ. of North Carolina – Chapel Hill and his MBA from Louisiana State University. Rob has been with Afton and its predecessor, Ethyl Corporation, for over 30 years in a variety of R&D, Business, and Marketing roles. He has been a member of the Virginia Section for the past 23 years and has served both as section Secretary and co-chair of the Industrial Relations Committee. Rob represented Afton on the ACS Committee on Corporation Associates from 1999 – 2007.

For SECRETARY: Dr. Sarah E. G. Porter

Longwood University

Sarah Porter is an Associate Professor at Longwood University in Farmville. She has been with Longwood University since 2007. Prior to joining the faculty at Longwood, Sarah attended graduate school at Virginia Commonwealth University and worked as a teaching assistant, and taught as an adjunct lecturer at John Tyler Community College and J. Sargent Reynolds Community College. Sarah also held positions with the Virginia Department of Forensic Science as a Breath Alcohol Instructor and as a Scientist I at Pfizer Consumer Healthcare before beginning her Ph.D. program. Sarah received her B.S. degree in Chemistry with a minor in Physics from the University of Virginia in 1998. She received her M.S. in Forensic Science in 2000 and a Ph.D. in Chemistry in 2006, both from Virginia Commonwealth University. Sarah has been a member of ACS since 2002, and is currently serving as the archivist for the Virginia Section.

For COUNCILOR: Dr. Linette Watkins (2018-2020)

James Madison University

Dr. Linette M Watkins is a Professor and Department Head in the Department of Chemistry and Biochemistry at James Madison University. She received her B.S. degree in Biochemistry from Trinity University (1989) and her Ph.D. in Biochemistry from University of Notre Dame (1996). After completing a postdoctoral appointment at Texas A&M University, she joined the faculty at Texas State University in 1997, where she remained until moving to JMU as department head in 2014. Her research interests focus on understanding the mechanism of enzymes involved in the bacterial desulfurization of fossil fuels. She is actively involved in promoting early involvement in undergraduate research, facilitating research collaborations between two year and four year college faculty, engaging two year college students in research opportunities, and using undergraduate research as a tool for the recruitment and retention of underrepresented students in the chemical sciences. Over the last ten years, she has mentored over 60 undergraduate students including several from local two-year colleges.

During the 2006-2007 academic year, Dr. Watkins was a National Science Foundation Senior Discovery Corps Fellow, developing a collaborative research community between Texas State and San Antonio College. She is an active member of the American Chemical Society, serving as a leader at the local, regional and national levels. In the ACS, Dr. Watkins has been a strong advocate for diversity and inclusion as the Chair of the Committee on Minority Affairs, through the ACS Scholars, and as a founding member of the Women Chemists of Color program. She also served as a local section leader in the Central Texas local section, as Chair of the 2011 Southwest Regional Meeting, and as the organizer of Minority Affairs Subdivision programming for the Division of Professional Relations. She currently serves as an elected member of the ACS National Council Policy Committee. In 2014, Dr. Watkins was named an ACS Fellow recognizing her outstanding achievements in and contributions to science, the profession, and the Society.

For ALTERNATE COUNCILOR: Dr. Joseph Crockett (2018-2020)

Bridgewater College

Dr. Crockett is a graduate of Hampden-Sydney College and the University of North Carolina at Chapel Hill and has been teaching at the college level for forty years. He is currently an alternate councilor for the section, chair of the section's safety committee, a member of the ACS Committee on Chemical Safety, and serves on the education subcommittee of CCS. He is a past chair (twice) and has been on the executive committee for 30+ years.

For TRUSTEE: Dr. James Demas (2018-2020)

University of Virginia

James Demas is an emeritus 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 retired this past spring, but is currently active in research with undergraduates. He is 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 grandchildren, computers, photography, biking, and cinema.

REPORT ON THE SEPTEMBER MEETING OF THE SECTION

The September meeting of the Virginia Section was held on September 15 in Richmond at Virginia Commonwealth University. A large audience of over 80 persons attended the meeting which recognized outstanding teachers, Chemistry Olympiad participants, and long-time members of the ACS. A tasty selection of foods was served in the Shafer Court Dining Center before the program began in the Academic Learning Commons. **Dr. Scott Gronert**, Associate Dean of Research and Professor of Chemistry at VCU, served as the meeting host. **Ms. Kathleen Spangler**, Chair-Elect of the Section, presided. She introduced **Dr. M. Samy El-Shall**, Chair of the Department of Chemistry at VCU, who welcomed the guests to the University.

Dr. Ann Sullivan, Coordinator of the **Chemistry Olympiad** for the Virginia Section, recognized some of the schools that participated in this year's Chemistry Olympiad. She announced the winners of the Team and School Awards and presented Team Award plaques to **Ms. Lucy Duah-Williams** from the Governor's School of Southside Virginia at Alberta, **Ms. Susan Fourness-Ewell** from the Collegiate School, and **Mr. Gary Lutz**, chemistry teacher at Prince Edward County High School, Prince Edward High School and the Governor's School of Southside Virginia at Alberta also received School Awards, each of which included a check for \$250. See below for more results of the Chemistry Olympiad.

Dr. Joseph Pompano, Vice Chair of the Section, read the names of new 50-, 60-, and 70-year members of the ACS. He presented ACS certificates to **Dr. Philip P. Burks, Jr.** (50-yr), **Dr. Roy F. Gratz** (50-yr), **Dr. Robert Gerald Bass** (60-yr), **Dr. Thomas Van Auken** (60-yr) and **Mr. Robert L. Lynch** (70-yr). Dr. Burks was accompanied by his wife **Ann**, Dr. Bass by his wife **Sue**, and Dr. Van Auken by his wife **Nancy**. Mr. Lynch was accompanied by his son **Berkley**, the Senior Director of CNS Research at Rodin Therapeutics in Boston.

Ms. Spangler announced that the Virginia Section has received a **ChemLuminary Award** from the ACS for "Outstanding Community Involvement in National Chemistry week (NCW)." The award was presented in August at the national meeting in Washington. Section councilors **Kristine Smetana**, **Ann Sullivan**, and **Linette Watkins** accepted the award at the national meeting. The award recognized the work of many Section members and students across the Section. The NCW activities were coordinated by **Dr. Joseph Crockett**, **Dr. Kristine Smetana**, and **Dr. Colleen Taylor**. Dr. Pompano presented the ChemLuminary to Joe Crockett and stated that duplicates would be obtained for Kristine and Colleen.

Section Chair-Elect Kathleen Spangler noted the successful **Project SEED** programs that were completed last summer at Virginia Commonwealth University and Randolph-Macon College. She recognized **Dr. John Thoburn** who coordinated the SEED program at Randolph-Macon.

Ms. Spangler and Dr. Pompano then presented the 2017 teacher awards. The Distinguished Elementary School Science Award was presented to **Ms. Amy Glascock** of the A.G. Richardson Elementary School in Culpeper, Virginia. Ms. Glascock was introduced by **Mr. Brock Hodgson**. Mr. Kenny Glascock, husband of the award winner, accompanied his wife to the awards meeting.

Ms. Spangler presented the Distinguished Middle School Science Teacher Award to **Ms. Lynn Shope** who recently retired from the Stonewall Jackson Middle School in Hanover County. **Ms. Joy DeNoon** introduced the award winner, who was accompanied by her husband Bucky.

The Franklin D. Kizer Distinguished High School Chemistry Teacher Award was given to **Mr. Mark C. Metcalfe** who retired this year from teaching chemistry at Fort Defiance High School in Augusta County. He was introduced by **Mr. Brent Hull**, a fellow science teacher at Fort Defiance. Also in attendance was Mr. Metcalfe's wife Nancy.

Each award winner received an engraved plaque and a check for \$300 from the Virginia Section. Each of the three schools received an additional \$300 for use in science activities.

Ms. Paris Watson, president of the ACS Student Affiliate Chapter at Virginia Commonwealth University, introduced **Dr. Kelling J. Donald**, the speaker for the meeting. Dr. Donald, who is on the chemistry faculty at the University of Richmond, spoke on "Structure Predictions for Extended Solids from Their Basic Chemical Units". After his talk, he responded to several interesting questions. Ms. Spangler, Chair Elect of the Virginia Section, presented Dr. Donald with the traditional engraved Jefferson Cup. She also thanked VCU for their hospitality in hosting the September meeting of the Section and reminded guests of the wide range of activities that are scheduled in the section, including the October Section meeting that will be at Mary Baldwin University on October 20, the WCC Chemistry Career Panel at Virginia Union University on October 12, and a National Chemistry Week program at the Science Museum of Virginia on October 29.

NOTE FROM TEACHER AWARD RECIPIENT

On September 15, the Virginia Section presented **Lynn Shope** with the 2017 Distinguished Middle School Science Teacher Award. She sent this note to the Section: "Friday night was wonderful! I would like to thank the Virginia Section of the American Chemical Society for the middle school award and for the generous cash gift. Everyone was so nice!"

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PHOTOS FROM THE SEPTEMBER SECTION MEETING



Jerry Bass, Joe Pompano



Phil Burks, Joe Pompano



Joe Crockett, Joe Pompano



Kelling Donald, Kathleen Spangler



Lucy Duah-Williams, Ann Sullivan



Ann Sullivan, Katherine Mosier



Ann Sullivan, Susan Fourness-Ewell



Roy Gratz, Joe Pompano



Paris Watson



Lynn Shope, Kathleen Spangler



Tom Van Auken, Joe Pompano



Ann Sullivan, Gary Lutz



Berkley and Robert Lynch



Gary Lutz, Kelling Donald, three Prince Edward County students



Kelling Donald, Amy Glascock, Mark Metcalfe, Kathleen Spangler

REPORT ON THE 2017 CHEMISTRY OLYMPIAD

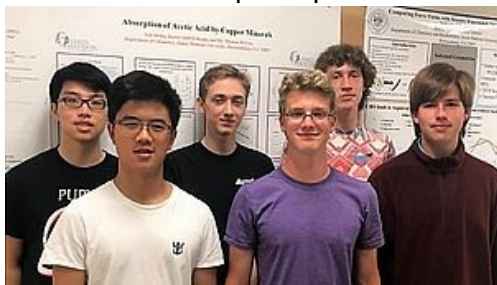
Thirteen schools participated in the 2017 Chemistry Olympiad with almost 5000 students nominated to take either the first year or the second year exam. From the 13 schools, six schools were put into the small school category with less than 600 student enrollment (including two governor's schools), while the remaining were classified as large schools. Some students competed in the first-year competition and others in the second-year competition. The results for each test are given below. At each school, the student with the highest score for each teacher received a National Olympiad pin. The following students were the highest scorers from each participating school. Many schools have more than one teacher participating; the highest student score for each teacher is listed (teacher names in parentheses). Teachers from each school also received a pin.

School	First Year	Second Year
Albemarle High School	Emily Eagleson (Oliver); Leon Deng; (Beardsley); Denis Callinan (Farabaugh); James Mounts (Counterman)	Derek Tao (Farabaugh)
Blue Ridge School	Doung Dang (Pace)	
Collegiate School	William M. Bellamy and Arbaz S. Gill (Hottman); Quentin T. Calhoun (Fourness-Ewell); Letané W. Reid (Thompson)	Matthew P. Zamecnik; Matthew S. Barbieri and Edwin P. Conquest III (Fourness-Ewell)
James River High School	Abby E. Rieck (Back); Kevin D. Ivey (Edwards); Rachel S. Leipold (Brunyasky)	Samuel D. Reid (Brunyansky)
Jamestown High School		Lehman Montgomery III (Cosby)
Middlesex High School		Caleigh C. Kohel (Hodges)
Patrick Henry High School	Olivia R. Taylor (Buckalew); Aiden R. Frasier (Embry)	Levi W. Butler (Embrey)
Prince Edward County High School		Henry M. Lutz (Lutz)
Prince George High School	Elijah A. Ozbat and Courtney M. West (K. Moore); Natalia I. Rivera (H. Moore)	Neil A. Marks (K. Moore)
St. Stephen's & St. Agnes School	Thomas E. Van Buren (Fusina); Lindsey E. Ellison	John M. Dewhurst (Oakes)
The Governor's School of Southside Virginia at Alberta	Katherine L. Mosier (Williams)	
The Governor's School of Southside Virginia Keyville	Audrey E. Butler (Hamilton); Mitchell A. Davis (Poling)	Jared Lee Hensley (Hamilton)
The Steward School	Xzavier E. Caldwell and Nicole C. Leopold (Kovach)	Aaron J. Stein (Kovach)

Ten students were invited to fill slots for the National Olympiad exam that was given on April 22, 2017 at James Madison University in Harrisonburg. No more than two students can participate from each school and each student must be a U.S. Citizen or hold a green card to be eligible for the IChO study camp. ACS members **Linette Watkins**, **David Wilson** and **Thomas DeVore** sponsored the National Olympiad exam. Of the following students who were nominated, six students participated in the National Exam:

Albemarle High School - Brian Li*, Natalie Li, Derek Tao*
James River High School - Samuel D. Reid
Prince Edward High School - Henry M. Lutz*, William Connor Stimpert*, Ian R. Lower, Kait E. Hosmer
Prince George High School - Neil A. Marks*
St. Stephen's & St Agnes' School - John M. Dewhurst*

* students who participated in the National Olympiad Examination



Students Who Took the National Chemical Olympiad Examination at James Madison University

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

First Year Chemistry Olympiad Local Examination Results

Small School and Governor's School Category:

- First (\$50) - Katherine Lee Mosier - The Governor's School of Southside Virginia at Alberta
- Second (\$25) - Reed A. Piercy and Jonathan C. Stanley - The Governor's School of Southside Virginia at Alberta
- Third (\$10) - James A. Cox - The Governor's School of Southside Virginia at Alberta

Large School Category:

- First (\$50) - Denis R. Callinan - Albemarle High School
- Second (\$25) - Kelsey L. Marks - Albemarle High School
- Third (\$10) - David E. Coppi, Victoria I. Hanna and Jee-Ho Kim - Albemarle High School

Second Year Chemistry Olympiad Local Examination Results

Small School and Governor's School Category:

- First (\$50) - John M. Dewhurst - St. Stephen's & St. Agnes' School
- Second (\$25) - Jared Lee Hensley - St. Stephen's & St. Agnes' School
- Third (\$10) - Matthew P. Zamecnik, Matthew S. Barbieri and Edwin P. Conquest III - The Collegiate School

Large School and Governor's Schools Category:

- First (\$50) - Henry Lutz - Prince Edward County High School
- Second (\$25) - Derek Tao - Albemarle High School; William Connor Stimpert - Prince Edward High School
- Third (\$10) - Brian Li - Albemarle High School

[more Olympiad results will be in the November issue of *The Bulletin*]