



The Bulletin
of the
Virginia Section
AMERICAN CHEMICAL SOCIETY



OCTOBER MEETING NOTICE

Bridgewater College
Bridgewater, Virginia
Friday, October 14, 2016

SOCIAL HOUR: **5:30 p.m.**
Boitnott Room
Rebecca Hall
(#29 on Campus Map)

DINNER: **6:30 p.m.**
Boitnott Room

PROGRAM: **7:30 p.m.**
Boitnott Room

MENU: House Salad, Sliced Roast Beef *au jus* with Horseradish Cream Sauce,
Rice Pilaf, Steamed Broccoli, Rolls and Butter, Angel Food Cake with
Berries, Coffee and Iced Tea
Vegetarian Option: Baked Ziti with Marinara Sauce (specify when making
your reservation)

PRICE: ACS Members and Guests - \$17.00
High School Students, College Students, High School Teachers - \$9.00
Retired ACS Members & Spouses, Retired Teachers & Spouses - \$12.00

RESERVATIONS: Please make reservations **by NOON on Monday, October 10** by calling
Kelly Coverstone at (540) 828-5399 or by e-mail to
kcoverst@bridgewater.edu

HOST: Dr. Joe Crockett, (540) 828-5431; jcrocket@bridgewater.edu

SPEAKER: **Dr. Kristin Wustholz, College of William & Mary**

TOPIC: **“Investigating Fugitive Organic Pigments in Art:
Impact of Structure on Photochemistry”**

OCTOBER 2016

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9	10 <small>reservations due</small>	11	12	13	14 <small>meeting</small>	15
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Dr. Kristin Wustholz



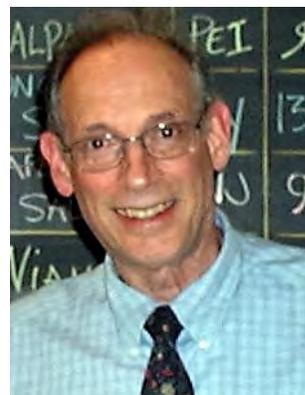
Kristin is an Associate Professor of Chemistry at the College of William and Mary. She obtained a B.A.S. in Chemistry and Philosophy from Muhlenberg College and a PhD from the University of Washington. As a postdoctoral fellow at Northwestern University, she studied surface-enhanced Raman spectroscopy (SERS) with Richard Van Duyne. Kristin has been at William and Mary since 2010, where she continues to use laser spectroscopy to study a variety of problems ranging from alternative energy to art conservation.

“Investigating Fugitive Organic Pigments in Art: Impact of Structure on Photochemistry”

The unambiguous and ultrasensitive detection of natural, organic colorants in aged paint is a substantial analytical challenge for the conservation of our cultural heritage. In collaboration with the Colonial Williamsburg Foundation, we have developed novel surface-enhanced Raman scattering (SERS) strategies for the identification of organic pigments in historic oil paintings such as the 1766 Portrait of Isaac Barré by Sir Joshua Reynolds. Inspired by these investigations, we are now using single-molecule spectroscopy (SMS) to understand the fading mechanism of fugitive organic pigments such as madder lake. In particular, we decipher the rather unusual fading behavior of alizarin (1,2-dihydroxyanthraquinone) as compared to its close structural analog, purpurin (1,2,4-trihydroxyanthraquinone), using a SMS approach. The enhanced photostability of alizarin relative to purpurin is related to slow electron transfer and rapid excited-state intramolecular proton transfer. In light of these observations, the future challenges for art conservation are discussed.

NOVEMBER MEETING OF THE SECTION

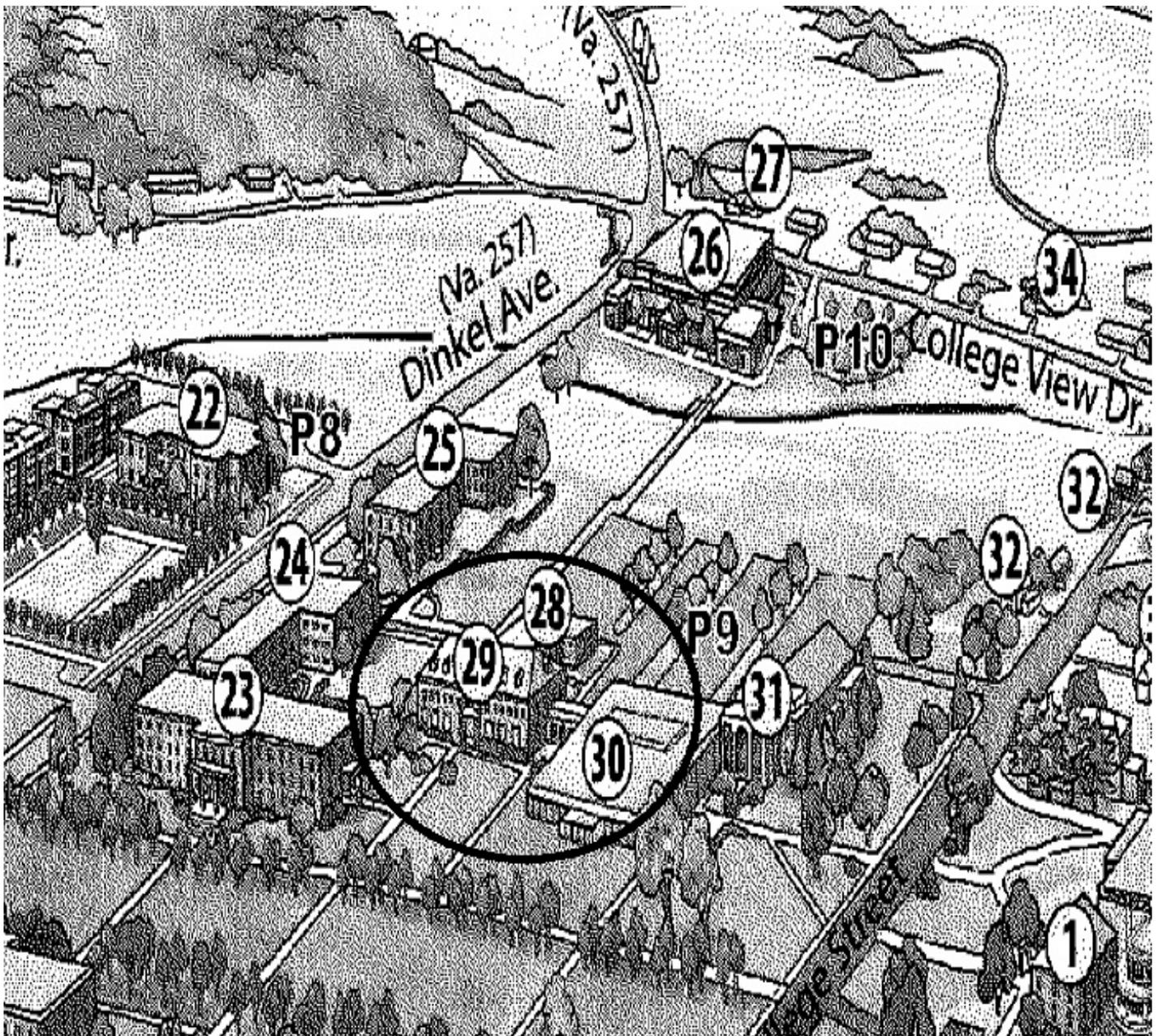
DATE: **November 4, 2016**
LOCATION: University of Mary Washington
Fredericksburg, Virginia
HOST: Dr. Janet Asper
PHONE: (540) 654-1143
E-MAIL: jasper@umw.edu
SPEAKER: **Dr. Jeffrey I. Seeman**, University of Richmond
TOPIC: “Responsible Conduct of Research: Lessons from History & the Human Side of Science”



DIRECTIONS

Bridgewater College is in the town of Bridgewater, just a few miles southwest of Harrisonburg and not far from I-81. Take **exit 240** from I-81 and head west on **Route 257** toward Bridgewater (about three miles). Cross US 11 at the first stoplight and continue on Route 257 to the College. After passing through the school gates at College View Drive, proceed about 100 yards and turn left on to **Bridgewater College Place** to **Rebecca Hall (#29 on the map below)**. Parking is available in **Lot P9**. Dinner will be in the **Boitnott Room** of Rebecca Hall. Signs will direct you to the entrance to the Boitnott Room (about 7 steps) between Rebecca Hall and the Kline Campus Center (# 30). If you need an elevator for handicap access, please call Joe Crockett in advance at (540) 828-5431.

MAP



CHEMISTRY AT BRIDGEWATER COLLEGE



Bridgewater is a private liberal arts college founded in 1880. From its beginning, it has always been a residential, coeducational institution. The Chemistry department has seven faculty members, seventy-four chemistry majors/minors, and offers the BS or BA degree to students majoring in chemistry, in biochemistry, or in applied chemistry. Students from other departments may also get a chemistry minor in applied chemistry or physical chemistry. The department provides a solid foundation in the basic areas of chemistry (analytical, organic, inorganic, physical, and biochemical) in preparation for graduate school, a laboratory career, a professional school, or a career in education. The program introduces students to each area in both the classroom and in the laboratory and students have numerous opportunities for research, culminating in a senior research project. The departmental curriculum is intended to foster an increasing sense of independence in the student. After building a firm understanding of chemical principles in general chemistry (freshman year) and organic chemistry (sophomore year), students take classes from each member of the department in the faculty member's specialized areas. When the curriculum is complete, our graduates are well-prepared for graduate school, an industrial career, or the career path of their choice.

THE CHAIR'S CORNER



Fall is here, and with it is the start of a new school year. The lazy days of summer always flow into the hustle and bustle of the next year. Likewise, the Virginia Section is diving into the season with renewed energy. I am excited about all of the activities we have planned for this fall. I would also like to commend all of the participants in the Strategic Planning Retreat held in September. I am always impressed by the energy, enthusiasm, and dedication of Virginia ACS members, and I am proud to be a Virginia chemist. I hope that each of you will take some time to read the materials posted on our website. Last year we celebrated our past with our 100th anniversary. This year we are focused on our future. I look forward to seeing how each

member of the section chooses to use chemistry for the betterment of Virginia, the Earth, and its people, now and for many years to come.

...Denise Walters, 2016 Section Chair, denise.walters@pfizer.com

VIRGINIA SECTION GROUP ON LINKEDIN



The Virginia Section has a group on **LinkedIn**. The name of the group is "Virginia Section of the American Chemical Society." For more information, contact Dr. Stephanie Mabry: (804) 788-5280; stephanie.mabry@aftonchemical.com.

IN MEMORIAM

WILLIAM H. MYERS 1946 - 2016



Dr. William H. "Bill" Myers died on September 20, 2016 at the age of 70, after complications from an aggressive brain tumor. He taught chemistry at the University of Richmond for 43 years before his retirement in May, 2016. He was also a visiting professor at the University of Virginia for 25 years. Bill was the Chair of the Virginia Section of the ACS in 1997; he also served as Chair Elect, Vice Chair, Treasurer, and Trustee for the Section and was an active member of the Executive Committee for many years.

Dr. Myers was born in Oak Ridge, Tennessee where his chemist father worked on uranium enhancement as part of the Manhattan Project that produced the atomic bomb. He grew up in Tennessee and Texas, earning a B.A. degree at Houston Baptist University (HBU) where he took every science course that the school offered. After graduating from HBU, he and his wife Barbara moved to Florida and he completed a Ph.D. in Inorganic Chemistry at the University of Florida in Gainesville. While at Florida, he joined the Reserve Officer Training Corps and was in the officers' Chemical Corps. He served in the Army Reserve until 1981. After spending a postdoctoral year at the Ohio State University, he joined the faculty at the University of Richmond in the fall of 1973. Everyone agrees that Bill was an outstanding teacher, researcher, and mentor during his 43 years at U of R and his 25 years at UVA.



Bill was gifted in many ways, including music. He sang with church choirs and in other groups, including the Richmond Symphony Chorus. He was the Myers family archivist and preserved much of the family history and artifacts. He was a self-taught Bible scholar and was active in the Bon Air Baptist Church. Bill is survived by his wife of 49 years, Barbara, a daughter Kathy Burnette, a son Bryan, and a grandson Carter. A moving tribute to Bill appeared in the September 21, 2016 issue of the *Richmond Times-Dispatch*.

PROGRAM IN A BOX

An ACS "Program in a Box" will be held **October 11** from 6:30 until 8:00 p.m. at Pfizer Consumer Healthcare, 1211 Sherwood Avenue, Richmond, VA. The topic will be "The Chemists Code for Success: 3 Essential Skill Sets for Your Career." Light refreshments will be served. Contact Heather Lourenco if you plan to attend: heathernlourenco@gmail.com. Sponsored by the Younger Chemists Committee (YCC).



CHEMISTRY SEMINARS AT VIRGINIA COMMONWEALTH UNIVERSITY

Oct. 6 - **Dr. Magid Abou-Gharbia**, Temple University, "Crossing Over: A Drug Discovery Perspective from Pharma to Academia" (**J.D. Smith/Larry Winters Lecture**)



Oct. 13 - **Dr. Renee Cole**, University of Iowa

Oct. 27 - **Dr. Channa De Silva**, Western Carolina University

Nov. 3 - **Dr. Michael T. Bowers**, University of California, Santa Barbara, "Non-Covalent Peptide Assembly: The Latest News" (**John B. Fenn Memorial Lecture**) [Academic Learning Commons, Room 1201, 5:30 pm]

Nov. 10 - **Dr. Luke Arbogast**, National Institute of Standards & Technology

All seminars, except for the Fenn Lecture on Nov. 3, are held in the Kapp Lecture Theater, Oliver Hall Room 1024 at 3:30 pm. More information at chemistry@vcu.edu; (804) 828-1298

CHEMISTRY SEMINARS AT THE UNIVERSITY OF VIRGINIA



Oct. 7 - **Professor Tijana Grove**, Virginia Tech, Protein Engineering: From Nature to Nanotechnology"

Oct. 14 - **Professor Cameron Mura**, University of Virginia, "Biomolecular Structure, Dynamics, & Function Two Ways: RNA Biology and Cellular Adhesion"

Oct. 21 - **Professor Kevan Shokat**, University of California, San Francisco, "Chemical Tricks for Tackling Undruggable Targets" (**Burger Lecture**)

Oct. 28 - **Professor Corey Stephenson**, University of Michigan, "Redox Catalysis for Radical Reactions of Complex Molecules"

Nov. 11 - **Professor Christopher Love**, Massachusetts Institute of Technology, "Improving Production of Biologic Medicines for Global Access"

All seminars are held at 4:00 pm in Room 304 of the Chemistry Building. More information at <http://chem.virginia.edu/events-seminars/>.

VIRGINIA SECTION STRATEGIC PLANNING RETREAT

On September 10-11, the Virginia Section of the American Chemical Society hosted a Strategic Planning Retreat at the Hilton Hotel in Short Pump, Virginia. **Larry Krannich** and **Carol Duane**, two ACS colleagues from other local sections, served as volunteer facilitators. Participants from the Virginia Section included Janet Asper, Philip Burks, Brandi Ford, Thaddaeus Hannel, Todd Koch, Stephanie Mabry, Rhonda Butts-McGee, Joseph Pompano, Kathleen Sink, Ann Sullivan, Colleen Taylor, Denise Walters, Linette Watkins, and Krista Weissbart. The group included representation from multiple demographics within the organization including members of different ages, genders, ethnic groups, and regions. Moreover, some members were from industry, others were from academia, and one was a student representative. Prior to the meeting, the Section collected data from member and participant surveys. This was used to generate a formalized vision and mission statements aligned with the National ACS mission and vision, and with our history, our current activities, and our future interests. The group also selected four goals for the organization aligned with the mission and vision, and identified twelve associated strategies for the coming year. Participants volunteered to serve as champions for each of the twelve strategies, developing project plans that they will present to the Executive Committee at the January, 2017 meeting. A copy of the final report and all associated background material can be found on the Virginia Section website: <http://www.virginia.sites.acs.org/>. We will hold a special Executive Committee meeting in December to review and discuss the mission, vision, and goals and to gain alignment on the strategies. We expect to implement the plan for the 2017 calendar year. The Virginia Section would like to extend special thanks to the planning committee for all of the hard work required to organize this event: **Ann Sullivan, Stephanie Mabry, Krista Weissbart, and Denise Walters**, Committee Chair. For more information on the Strategic Planning Committee or to provide input into the planning process, contact Dr. Denise Walters, Chair of the Section: (804) 257-2828; denise.walters@pfizer.com



ACS GRANT FOR STRATEGIC PLANNING RETREAT

The Virginia Section has been awarded \$1,500 for a local Section Innovative Project Grant (IPG). These funds will be used to enhance strategic planning for the Section. **Martin Rudd**, Chair of the Committee on Local Section Activities (LSAC), informed Section Chair Denise Walters of the grant and congratulated the Section for its success in a very competitive round of funding. Dr. Walters took the lead in preparing the successful proposal. Additional funding for strategic planning is expected from another grant that is in the pipeline.

REPORT ON THE SEPTEMBER MEETING OF THE SECTION

The September meeting of the Virginia Section was held on September 16 in Richmond at the Business & Innovation Center of Evonik Industries. A full house of over 70 persons enjoyed tours of the Evonik facility and a tasty selection of foods before the program began. **Dr. Denise Walters**, Chair of the Section, presided. She introduced **Tom Baker**, Human Resources Manager at Evonik, who welcomed the guests and provided some information on Evonik and on the Business & Innovation Center.

Dr. Walters announced that Dr. William (Bill) Myers, Professor Emeritus of Chemistry at the University of Richmond, had passed away. She asked for a moment of silence in his memory. Bill was Chair of the Virginia Section in 1997 and served as a Trustee for several years.

Dr. Walters read the names of new 50- and 60-year members of the ACS. She presented ACS certificates to **Dr. Donald Shillady** and **Dr. Patrick Barber**. **Dr. David Kranbeuhl** had received his certificate earlier in the evening. The certificates will be mailed to the other persons.

Dr. Kristine Smetana presented the national ChemLuminary Award that had been given to the Virginia Section at the national meeting in Philadelphia. This was the first award given in a new category that recognized On-Going Chemists Celebrate Earth Day Events. Dr. Smetana noted that the Virginia Section has participated in the CCED program every year since the ACS began celebrating Earth Day in 2003.

Dr. Ann Sullivan 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 a plaque to **Mr. Gary Lutz**, chemistry teacher at Prince Edward County High School, for the performance of Prince Edward students on the second-year examination. Prince Edward High School also received a School Award that was accepted by Mr. Lutz and by **Kait Hosmer** and **Henry Lutz**, students at Prince Edward High.

The Distinguished Elementary School Science Award was presented to **Ms. Lynette Bates** of the Wakefield School in The Plains, Virginia. Ms. Bates was introduced by **Dr. Margo Isabel**, Head of the Lower School at the Wakefield School. Mr. Jeffrey Bates, husband of the award winner and Mr. and Mrs. David Colon were also present at the presentation ceremony. Mr. Colon is the Head of the Wakefield School.

Dr. Walters presented the Distinguished Middle School Science Teacher Award to **Ms. Lisa Winn** from Thornburg Middle School in Spotsylvania County. **Ms. Stephanie Kobuchi**, a fellow teacher at Thornburg, introduced her colleague. Ms. Winn was accompanied by her husband Richard Winn and their daughter Jorgia Winn.

The Franklin D. Kizer Distinguished High School Chemistry Teacher Award was given to **Ms. Maria Klein**, a chemistry teacher at Clover Hill High School in Chesterfield County, who was introduced by **Ms. Michelle Huber**, a fellow science teacher at Clover Hill. Also in attendance were Ms. Klein's husband Ralf Klein and their daughter Dana Klein.

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

Dr. Walters recognized **Ms. Eileen Downey**, who has chaired the Teacher Awards Committee for the past five years. She is retiring from that position and **Mr. Larry White** will chair the committee in 2017.

Mr. Ryan Stiltner, a chemist in the Agriculture Products Division on Evonik Corporation in Richmond, introduced **Dr. Justin Heuser**, the speaker for the meeting. Dr. Heuser, the Group Leader for the Agriculture Team at Evonik, spoke on "Surfactants in Agriculture." After his talk, he responded to several interesting questions. **Dr. Colleen Taylor**, Chair Elect of the Virginia Section, presented Dr. Heuser with the traditional engraved Jefferson Cup.

Dr. Taylor thanked Evonik for their hosting of the meeting and reminded guests of the wide range of activities that are scheduled in the section, including the October meeting that will be at Bridgewater College on October 14.

THANK YOU LETTER FROM TEACHER AWARD WINNER

Ms. Lisa Winn, who received the Distinguished Middle School Science Teacher Award at the Section meeting on September 16, has sent this note to the members of the Section:

"Thank you so much for a wonderful evening on Friday. All of you were so gracious. It was a memorable experience. I greatly appreciate the award and the recognition".

DON'T FORGET TO VOTE!

There are three important elections on the horizon. Be sure to exercise your right in each of them. All active members of the Society will soon receive ballots from the national organization for voting for the office of president-elect. The successful candidate will serve as ACS president in 2018. Candidates are Peter K. Dorhout, and Thomas R. Gilbert. Members of the Virginia Section may also vote for the District II director. The District II director candidates are George M. Bodner and Christina C. Bodurow. There are also four candidates for two director-at-large positions. Information on all of the candidates and their statements can be found in the September 12 issue of **C&EN**.

Members of the Virginia Section will also be receiving ballots for 2017 officers of the Section. **Dr. Todd Koch** chairs the Nominations Committee. Candidate biographies are included in this issue of *The Bulletin*. Balloting will take place in October.

Finally, **Dr. Rebecca Rose Pompano**, the new chair of the Government Affairs Committee for the Section, reminds everyone to vote on November 8 in the national election. Virginia voter registration ends on October 17. This election will have a major impact on the priorities for scientific research and the regulation of scientific industries. Rush Holt of the AAAS has this to say about the importance of asking science-related questions of Presidential candidates: "Sometimes politicians think science issues are limited to simply things like the budget for NASA or NIH, and they fail to realize that a President's attitude toward and decisions about science and research affect the public well-being, from the growth of our economy, to education, to public health." **Make your voice heard by voting on November 8!** Dr. Pompano can be reached at rrp2z@virginia.edu.

PHOTOS FROM THE SEPTEMBER 16 MEETING OF THE SECTION



Justin Heuser and Colleen Taylor



Lynette Bates, Lisa Winn, and Maria Klein



David Kranbeuhl and Denise Walters



Kait Hosmer, Gary Lutz and Henry Lutz



Kristine Smetana with ChemLuminary Award



Don Shillady, Pat Barber, and Denise Walters



Ryan Stiltner, Angela Paez, and Tom Baker



Gary Lutz and Ann Sullivan



Maria Klein and Eileen Downey



left-to-right:
Lynette Bates - Elementary Science Teaching Award
Denise Walters - Virginia Section Chair
Eileen Downey - Teacher Awards Committee Chair
Lisa Winn - Middle School Science Teaching Award
Maria Klein - High School Chemistry Teaching Award

MORE RESULTS FROM THE 2016 CHEMISTRY OLYMPIAD

Most of the results from this year's Chemistry Olympiad were included in the September *Bulletin*. Here are the School and Team Awards:

The School Award is given to the school with the highest overall average, separated by test, but not category. The school must have at least seven participants, the highest and lowest scores are discarded, with the average score determined from the remaining scores. Winning schools receive plaques.

School Awards:

First Year Exam - **James River High School**

Second Year Exam - **Prince Edward County High School**

The Team Award is given to the school with the highest combined total for five students, separated by category and year. Winning schools receive plaques.

First year Team Award:

Small School & Small Governor's School - **St. Stephen's and St. Agnes' School**

Large School - **Albemarle High School**

Second Year Team Award:

Small School & Small Governor's School - **The Governor's School of Southside Virginia at Keysville**

Large School - **Prince Edward County High School**

More information on the Chemistry Olympiad in the Virginia Section can be found on the Section website <http://virginia.sites.acs.org/>. Dr. Ann Sullivan is Chair of Virginia Section Olympiad Committee and prepared this report of the 2016 Olympiad results: asullivan@reynolds.edu.

INTERNATIONAL OLYMPIAD RESULTS

The 48th International Chemistry Olympiad was held from July 23 through August 1, in Tbilisi, Georgia. China was the overall team winner with four gold medals. South Korea and Taiwan also won four gold medals. The U.S. team earned one gold, two silver, and a bronze medal. Teams from 67 countries participated in this year's competition. Following China, the top teams were from Russia, Taiwan, Romania, and Korea. The best score was by a Romanian student. The U.S. team consisted of Alex Liu from Houston, Texas (gold medal); Zilu Pan from San Diego, California (bronze medal); Kevan Tang from Solon, Ohio (silver medal); and Joyce Tian from the Thomas Jefferson High School for Science and Technology in Alexandria, Virginia (silver medal). Dr. Kelli Slunt, Professor of Chemistry at the University of Mary Washington, was the head mentor for the U.S. team. The 49th International Chemistry Olympiad will be held in Thailand, July 6-15, 2017.



THANK YOU LETTERS TO CHEMISTRY TEACHERS

Joe Crockett, Alternate Councilor for the Virginia Section and Chair of the Safety Committee, has come up with a way to recognize high school chemistry teachers. Although the Section has been presenting awards to outstanding high school chemistry teachers since 1948, there are many more excellent teachers who deserve to be recognized. As Joe says, "Nothing makes teaching more worthwhile than having students who are successful at the next level." His suggestion is to have all chemistry faculty at two- and four-year colleges to ask each of their students to hand write a short note to their high school chemistry teacher to express thank for their encouragement and support and to let their teacher know how they are doing in their college courses. Joe and some other members of the Section will then make sure that the teachers and the high school principals see these messages. Please have each student give his or her name, the teacher's name, and the high school and its location. While letters are welcomed at any time, Joe would like to have the first batch ready to disseminate by November 4. Send letters to Dr. Joseph M. Crockett, Department of Chemistry, Bridgewater College, Bridgewater, VA 22812 or to Dr. Colleen Taylor, Department of Chemistry and Physics, Virginia State University, Petersburg, VA 23806. Joe can be reached at (540) 828-5431; jcrockett@bridgewater.edu.

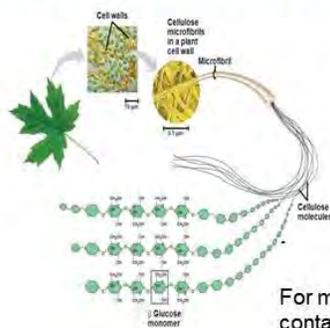
JEFFREY SEEMAN ORGANIZES BENFEY SYMPOSIUM

Dr. Jeffrey I. Seeman, Visiting Senior Research Scholar in the Department of Chemistry at the University of Richmond, organized a symposium at the ACS national meeting in Philadelphia to honor Dr. Otto Theodor (Ted) Benfey. The symposium, sponsored by the Division of the History of Chemistry (HIST), was titled "A Salute to Ted Benfey at 90: Science, History, Culture & a Commitment to Humanism." The September 19, 2016 issue of *C&EN* had an article on the symposium (see CEN.ACS.org). In the article, Dr. Seeman is quoted as saying this about Ted Benfey: "He helped us think and communicate better, and he always did it with kindness and encouragement." Benfey was the editor of the ACS publication *Chemistry* from 1963 until 1978 and also was an editor at the Chemical Heritage Foundation, with responsibility for the CHF publication *Chemical Heritage*. Dr. Seeman will be the speaker at the November 4 meeting of the Virginia Section in Fredericksburg.

You're invited to celebrate...

National Chemistry Week

Solving Mysteries Through Chemistry



Hands on Activities!

Free Event open to all
Middle School Students

For more details and to register,
contact maria.szajda-lam@westrock.com

WestRock
501 S. 5th St
Richmond, VA

Thursday
October 20, 2016

3 pm – 5 pm

Please RSVP by
September 15, 2016
Maria Szajda-Lam
maria.szajda-lam@westrock.com



Hosted by:

**Virginia ACS Women Chemists Committee &
WestRock Women of Science and Engineering**



ELECTION OF OFFICERS FOR 2017

Ballots will soon be available for Virginia Section members to vote for candidates for offices that will be filled in 2017. Instructions for voting electronically will be sent to all active members of the Section whose email addresses are on file with the national office. Voting should begin no later than October 20; all balloting must be completed by November 1. Section members who cannot vote electronically should contact Dr. Todd Koch, Chair of the Nominations Committee, to request a paper ballot: Dr. Todd Koch, Pfizer Consumer Healthcare, PO Box 26609, Richmond, VA 23261; (804) 257-2890; todd.koch@pfizer.com. Below are brief biographical statements for the candidates. Write-in voting is possible by electronic means or on paper ballots.

For CHAIR: Dr. Colleen Taylor

Virginia State University

Dr. Taylor is an associate professor of chemistry at Virginia State University where she has filled a variety of roles over the last decade, including Interim Department Chair, Blackboard trainer, Undergraduate American Chemical Society Student Affiliate Chapter mentor, general chemistry course coordinator, and research mentor. Her interest in the ACS student affiliate chapter has led her to include students in yearly outreach activities such as the DuPont Girls in Science, Fool for Arts Festival and National Chemistry week at the Science Museum of Virginia. Her most active endeavor with her student affiliates involved serving on the board for SERMACS 2011 and receiving the student affiliate grant to run the Undergraduate Program. She has been an active member of the Women Chemists' and Minority Affairs Committee, recently awarded the Partners in Prosperity award for the section along with Hyacinthe Yarabe. Her work in forming a mentoring network for undergraduates led to the volunteer of the year award in the Virginia section. Her research interests are in chemical education and interfacial coordination chemistry. The former area of interest has been a major focus for Dr. Taylor for the past several years. She has worked with a local High School to integrate guided inquiry exercises into the curriculum and has presented work on the integration of laboratory videos in place of recitation. She has presented several times on the Flipped Classroom in her General Chemistry courses. On November 13, 2013, Dr. Taylor was featured on the PBS radio program "With Good Reason: The Future of Higher Education" (<http://withgoodreasonradio.org/2013/11/the-future-of-higher-education>).

For CHAIR ELECT: Ms. Kathleen Sink

Altria CRT

Kathleen Sink is a Senior Associate Scientist at the Altria CRT in Richmond. She has been involved in tobacco and pharmaceutical testing for 5 years. Prior to Altria, she worked at Lancaster Laboratories, Arista Laboratories in the liquid chromatography group, and Fareva Pharmaceuticals in the raw materials lab. She has a Bachelors in Chemistry from the University of Virginia, with a minor in Studio Art. Currently, she is enrolled in Virginia Commonwealth University's MS in Business with a concentration in Decision Analytics. Kathleen recently joined the board for the Richmond Chromatography Discussion Group. A couple of 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 Vice Chair for the Virginia Section ACS.

For VICE CHAIR: 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 at 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. 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 currently involved with the Chemistry Olympiad.

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

For SECRETARY: Dr. Christine Farthing

Pfizer Consumer Healthcare

Christine Farthing is a Scientist in the Global R&D Operations Analytical Sciences team at Pfizer Consumer Healthcare in Richmond. She has been with Pfizer Consumer Healthcare in her current position for over a year. Prior to joining Pfizer Consumer Healthcare, Christine worked for Virginia Commonwealth University as a laboratory specialist in the Department of Internal Medicine, Division of Nephrology and Clinical Pharmacology, refining her analytical skills and attending college. Christine received her B.S. degree in Biology and a minor in Chemistry from Virginia Commonwealth University in 2008. She received her Ph.D. in Pharmaceutical Sciences from Virginia Commonwealth University in 2014. Christine has been a member of ACS since 2014, and is currently the secretary of the Virginia Section.

For TREASURER: Dr. Thad Hannel

Altria Client Services

Thad Hannel received his B.S. degree in Chemistry and a minor in Mathematics from Indiana University (Southeast) in 2005. He received his Ph.D. in Analytical Chemistry from the University of Kentucky in 2010 where he worked under Professor Robert Lodder. His research at the University of Kentucky was focused on the development of integrated sensing methodologies for the identification of "false samples" through integration of chemometric techniques directly into the sensor system. These Integrated Sensing and Processing (ISP) methodologies have been applied to Acoustic Resonance Spectrometry (ARS), Near-Infrared (NIR) Hyperspectral imaging and in the development of a novel solid state spectrometer. In 2009 he co-founded Escent Technologies LLC with venture capital based on his research with the solid state spectrometer. In 2013, Dr. Hannel began working as a contractor for Altria where he applied his knowledge of NIR spectroscopy and chemometrics to solve real world problems in manufacturing. He now currently works for Altria as a research scientist in the Modeling and Simulation group where he applies his knowledge of chemometrics to solve diverse problems in a wide range of areas significant to the business.

For COUNCILOR (three-year term): Dr. Ann Sullivan

**J. Sargeant Reynolds
Community College**

Dr. Ann Marie Sullivan is currently a Professor of Chemistry at J. Sargeant Reynolds Community College in Richmond. Prior to coming to JSRCC, Dr. Sullivan earned her B.S. in Chemistry degree from Virginia Tech and a Ph.D. from Virginia Commonwealth University (1993). She has taught chemistry full-time in the Virginia community college system since 1993 and is currently the Assistant to the Dean of the School of Mathematics, Science and Engineering. Ann has been very active in the local section, serving as Secretary, Vice Chair, Chair Elect, and Chair during the period 1998-2001. In the past she chaired the Entertainment Committee and is now chair of the Chemistry Olympiad Committee and is the Section's Webmaster. She has been a Councilor since 2007 who has served on the national committees for Diversity, Local Sections Activities, and Technician Affairs and is presently serving on the Membership Affairs Committee.

For ALTERNATE COUNCILOR (three-year term): Dr. Janet Asper **University of
Mary Washington**

Janet Asper is an Associate Professor of Chemistry at the University of Mary Washington, and collaborates with chemists at the Naval Surface Warfare Center, Dahlgren Division. She earned a Ph.D. in chemistry from the University of Pittsburgh (2001) and a B.S. in biochemistry and zoology from Ohio University (1994). Her research interests include organic and polymer chemistry, including protecting group methods for the guanidine functional group, and super absorbent polymers. Janet is seeking re-election as an alternate

councilor. During her first term, she was named to the ACS Committee on Community Activities and is now a full member of the committee. She has served on the Chemists Celebrate Earth Day 2015 and 2016 Theme Teams and is currently on the National Chemistry Week 2018 and 2019 Theme Teams. She is a former chair of the Colorado Section of the ACS and is a member of the Chemical Education, Organic Chemistry and History of Chemistry divisions of the ACS.

For TRUSTEE (three-year term): Dr. Philip P. Burks, Jr. DuPont Company (retired)

Dr. Burks retired in 2002 after 32 years in synthetic fibers R&D with DuPont. He received a B.S. from UNC-Chapel Hill, and a Ph.D. From Florida State U. His research at DuPont involved process and product development with fibers including Dacron®, Teflon®, and Nomex®. He is the lead inventor on 2 patents. He joined the ACS in 1964, and has served in all local section offices including Chair of both the Eastern North Carolina and Virginia sections. He has been a Trustee since 2002.

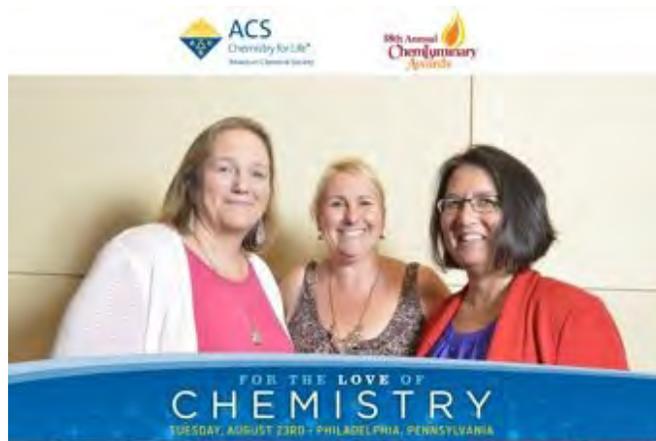
VIRGINIA SECTION WINS CHEMLUMINARY AWARD

The Virginia Section has won another ChemLuminary Award.

At the national ACS meeting held in Philadelphia in August, the Section was presented with an award for an **Outstanding On-Going Chemists Celebrate Earth Day (CCED) Event**. This year marked the tenth year that the Virginia Section has organized on-going CCED events. Last year's Climate Science Event was held at John Tyler Community College, the Midlothian Campus, with an estimated 2,530 attendees and a large tent containing different activities that supported the theme "Climate Science – More Than Just a Weather Report!" Dr. Kristine Smetana, Chair of the Section's Committee on Community Activities, organized the Earth Day event. She received the ChemLuminary Award in Philadelphia on August 23. This is a new category for the ChemLuminary Awards and it was a special honor for the Section to be the first winner. The Section prepared a poster to show the CCED activities; this was presented at the ChemLuminary Awards event at the national meeting. To see a complete list of ChemLuminary award winners and photographs of Kristine with the poster and receiving the award, go to the ACS website acs.org and search for "ChemLuminary Awards". Virginia Section councilors Ann Sullivan and Linette Watkins also attended the awards ceremony (Kristine is also a Section councilor). This year's award is the 15th ChemLuminary presented to the Virginia Section since 2002.



Kristine Smetana receives the Section's ChemLuminary Award



Councilors Ann Sullivan, Kristine Smetana, and Linette Watkins at the national meeting