



The Bulletin
of the
Virginia Section
AMERICAN CHEMICAL SOCIETY

SUMMER 2009 ISSUE

VIRGINIA SECTION MEETINGS - FALL 2009

September 25 **Virginia Commonwealth University**, Richmond
Annual Awards Program
Distinguished Service Award: Dr. Will Lewis
Outstanding Research Award: Dr. M. Samy El-Shall
Local Contact Person: Dr. Sally Hunnicutt
(804) 828-8599; sshunnic @ vcu.edu



October 23



Bridgewater College, Bridgewater
Mr. Robert D. Blackledge
“The Floyd Landis Sports Doping Case as Evaluated
by a Forensic Analytical Chemist”
Local Contact Person: Dr. Joseph Crockett
(540)828-5431; jcrocket @ bridgewater.edu

November 13



Mary Washington College, Fredericksburg
Dr. Catherine C. Fenselau
“New Methods for Proteomics”
Local Contact Person: Dr. Roy Gratz
(540) 654-1412; rgratz @ umw.edu

December 4

Virginia Union University, Richmond
Teacher Awards Program
Local Contact Person: Dr. Dorothy Eseonu
(804) 257-5615; dneseonu @ vuu.edu

***** VIRGINIA SECTION NEWS *******SEPTEMBER AWARDS MEETING**

The September meeting of the Virginia Section will be held in Richmond at Virginia Commonwealth University on Friday, September 25, 2009. The Virginia Section will be presenting its Distinguished Service Award to **Dr. Willie Lewis, Jr.** Dr. Lewis is a former Chair of the Virginia Section and recently retired from the Philip Morris Division of Altria. **Dr. M. Samy El-Shall**, Professor of Chemistry at Virginia Commonwealth University, will receive a Distinguished Research Award. Meeting details will appear in the September issue of the *Bulletin*. For more information, please contact Dr. Sally Hunnicutt at VCU [(804) 827-0531; sshunnic @ vcu.edu] or Virginia Section Chair Elect Yezdi Pithawalla at (804) 355-2301; yezdi.b.pithawalla @ altria.com.

THE CHAIR'S CORNER**"Missing the Message"**

Several years ago, a *C&EN* reporter with many years of experience writing about the chemical industry astonished me when he confessed that only recently had he realized that much was still unknown about chemistry. He left his college chemistry courses with the perspective that all was known about the subject. I wondered if many chemists held such a view and if our teaching strategies suggested that chemistry discovery had reached an end. Personally, I had always viewed chemistry as a dynamic area of knowledge where each new discovery exposed new questions. This summer I am taking a course on nanotechnology, where chemistry lends many of its concepts and techniques. In turn, what is being learned from exploring and observing matter at a nanoscale seems likely to add to our knowledge of how molecules behave. Chemistry and other areas of science exploration add their unique observations and methods to expanding chemical knowledge and revealing new questions. Educators may need to spend some time on the expanding frontiers of chemistry as well as teaching the knowledge and skills that underlie our science, in order to prevent graduates from leaving our classrooms with the same view as my friend, the *C&EN* reporter.



...Ken Chapman
2009 Virginia Section Chair

REPORT ON THE MARCH SECTION MEETING

The Virginia Section met on Friday, March 27 at Lynchburg College in Lynchburg. This was a joint meeting with the Virginia Blue Ridge Section of the ACS. Mr. Bradley Smith, Manager of Grassroots and Member Involvement for the ACS, spoke on "Science Policy Today for a Better Tomorrow." Thanks to Dr. Bill Lokar and his colleagues in the Blue Ridge Section for making the arrangements for this joint meeting.

WCC NETWORKING LUNCH

The Women Chemists Committee of the Virginia Section held a networking lunch on Friday, June 19, 2009 at Legends Brewery in Richmond. Fourteen women and men (plus one baby!) participated in the event, coming from as far away as Williamsburg. The main topic of discussion was pregnancy in the lab. Attendees were surprised by the variation in policies and practice that exists not only among companies, but among university labs. Everyone shared his or her own story or those of colleagues while enjoying a delicious lunch and door prizes provided by Saks Fifth Avenue.

WCC is sponsoring Catherine Fenselau, an ACS Garvan award winner, as the speaker for the November 13 Section meeting in Fredericksburg. In addition, a WCC planning meeting for 2010 will be scheduled this fall. Anyone wanting to get involved with planning WCC activities, or be added to the e-mail list, should contact Stephanie Mabry at (804) 788-5280 or by e-mail to [stephanie.mabry @ aftonchemical.com](mailto:stephanie.mabry@aftonchemical.com)

VIRGINIA SECTION SCIENCE CAFÉ

The Virginia Section sponsored its second Science Café on Saturday, August 1, 2009 at the Edible Garden restaurant in Goochland. ACS member and former Section treasurer Brian Moores, of the chemistry faculty at Randolph-Macon College, was joined by his neighbor Bruce Dubee, a soil scientist at the U. S. Department of Agriculture, in leading a discussion of scientific issues surrounding the topic "What's in our food, and where does it come from?" with an audience of nineteen. Issues related to sustainable agriculture, organic farming and foods, food safety, the local foods movement, and health problems related to the American diet were discussed, followed by a delicious complimentary lunch featuring foods purchased by Edible Garden from the surrounding area. Ken Chapman, Chair of the Virginia Section, introduced the proceedings and explained the ACS Science Café program to the attendees. Molly Harris, owner of Edible Garden, discussed her business philosophy and mentioned ways that attendees could support local food production.



The Virginia Section is grateful to the ACS for a generous grant to support this Science Café. A vote of thanks is also due to Section Chair Ken Chapman for his support of the Café, and also to immediate past-chair Trey Gregory and Science Café Chair Trish Lauck for suggesting the topic and helping with preparations for the event.

The Section would welcome the submission of ideas for its next Science Café. To do so, please e-mail Trish Lauck at [trish.lauck @ gmail.com](mailto:trish.lauck@gmail.com).



Molly Harris



Brian Moores



Bruce Dubee



**Bruce Dubee and
Ken Chapman**

REPORT ON THE APRIL SECTION MEETING

About 80 persons attended the University of Virginia meeting on April 24, 2008 and heard Dr. John T. Yates, Jr. of the University of Virginia speak on "Observation of Chemical Reactions on Surfaces Using STM—Watching Individual Molecules Do Their Molecular Dances." The speaker was introduced by Courtney Megan Schroeder, senior chemistry major at the University of Virginia. Dr. Yates' talk was preceded by the 23rd annual Poster Session that featured student research at colleges and universities. Forty-seven posters (a record number) by students from 15 colleges and universities were presented (a complete list of authors and titles is included in this issue of the Bulletin). Nineteen of the posters were by students from six schools located outside the Virginia Section. Section Chair Ken Chapman recognized 14 outstanding senior chemistry majors from colleges and universities within the Virginia Section (the names of the recipients are listed below). Each student received a Certificate of Recognition and a copy of the *Merck Index*. The Section thanks Dr. James Demas and his colleagues at the University of Virginia who assisted with this successful meeting.

OUTSTANDING CHEMISTRY GRADUATES

At the April meeting, the Virginia Section recognized graduating seniors from colleges and universities within the Section. Schools in the Virginia Section were invited to nominate senior chemistry majors for this honor. The outstanding students for the year 2009:

<u>College/University</u>	<u>Student</u>
Bridgewater College	William Michael Heiston
College of William & Mary	Brooklynd Saar
Eastern Mennonite University	David Showalter
Hampden-Sydney College	John Campbell
James Madison University	Kristina Hamill
Longwood University	Kathryn J. Greenly
Mary Baldwin College	Abigail Turner
Randolph-Macon College	Keith Searles
University of Mary Washington	Amy Hruska
University of Richmond	Benjamin C. Giglio
University of Virginia	Courtney Megan Schroeder
Virginia Commonwealth University	John Bajacan
Virginia State University	Sharon Francis
Virginia Union University	Lorenza Black

NEW CHAIR OF MEDIA/PUBLIC RELATIONS COMMITTEE

Ms. Trish Lauck is the new Chair of the Section's Media/Public Relations Committee. Trish is employed by Boehringer Ingelheim Chemicals in Petersburg. She can be reached at (804) 832-0396 or by e-mail to Trish.Lauck @ gmail.com.

TEACHER AWARDS

The Virginia Section is soliciting nominees for three teaching awards: the Outstanding High School Chemistry Teacher Award, the Outstanding Middle School Science Teacher Award, and the Outstanding Elementary School Science Teacher Award. If you would like to nominate persons for these awards, contact Dr. William Rademaker at (804) 794-3752; wrad @ verizon.net. Each award consists of a plaque and a check for \$300.00. The teacher awards are sponsored by Boehringer Ingelheim Chemicals; the 2009 awards will be presented at the December 4 Section meeting.

SIXTY-YEAR MEMBERS OF THE ACS

Congratulations to these Section members, each of whom has been a member of the American Chemical Society for 60 years:

Mr. John S. Pierce	Richmond
Dr. M. A. Jimenez	Richmond
Dr. Robert Vernon Blanke	Richmond
Dr. Fritz Will	Richmond
Dr. James Burns Patrick	Staunton
Dr. Donald S. Acker	Stuarts Draft

FIFTY-YEAR MEMBERS OF THE ACS

Congratulations to these Section members, each of whom has been a member of the American Chemical Society for 50 years:

Dr. Goetz E. Hardtmann	Earlysville
Dr. Thomas M. Harris	Hartfield
Dr. Edward T. McHale	Gainesville
Dr. Charles Harold O'Neal	Richmond
Mr. Robert L. Silber	Manakin Sabot
Dr. Lawrence Graham Vaughan	Williamsburg
Mr. Robert A. Walde	Haymarket
Dr. William Welstead	Hopewell

WORDS OF WISDOM FOR THE SUMMER: "It's Not Stress That
Kills Us, It Is Our Reaction To It."

SECTION RECEIVES RECOGNITION FOR HOSPITALITY

The Virginia Section has received a Third Place Hospitality Award for 2008. Hospitality awards are presented to local sections that demonstrate outstanding service to visiting tour speakers. The speaker from 2008 who nominated the Virginia Section had this to say of his visit to our Section:

“Of the many, many Speaker Service tours I’ve conducted over the past 25 years, this one is the Number One in enthusiastic attendance, pre-planning, and execution. All tour speakers ought to “push” to get invited to this Section...it is worth the effort.”

Those are the words of Dr. C. Marvin Lang of the University of Wisconsin–Stevens Point, who spoke to the Section at the November 21 meeting at the University of Mary Washington in Fredericksburg. Thanks to the faculty and students at UMW who helped to make this award a reality.

GRANTS FOR K-12 SCIENCE PROJECTS

The Virginia Section is soliciting proposals for grants to support school science projects in grades K through 12. The \$50 to \$500 grants will be provided to teachers in the Virginia Section for the purchase of materials and supplies. To apply for support, request an application form from Mr. Ryan Warren, 6001 Grove Avenue, Richmond, VA 23226; (804) 288-2804; warrencr @ vcu.edu. Or complete an application on-line by accessing the Virginia Section website at <http://membership.acs.org/V/VA/grants.htm>.

QUESTIONS FROM THE PAST

This question was asked in the April Bulletin: Dr. Fred Hawkrigde spoke to the Virginia Section a second time. **When and where was his second presentation and what was his topic then?** The date was **March 24, 2005** for the Section meeting at **Longwood University** in Farmville where Dr. Hawkrigde spoke on “**Applications of Oxidase Modified Electrodes.**”



A new question from the past: On April 25, 1964, the Virginia Section sponsored a Symposium on Gas Chromatography. Speakers included Mr. Ralph Woods and Dr. Donald Petitjean of the Barber-Colman Company, Dr. Stephen Dal Nogare of E.I DuPont de Nemours, Dr. Robert Ikeda of the Philip Morris Research Laboratory, Dr Thomas A. Gover of the University of Virginia, and Dr. William Dabney of the Medical College of Virginia. **Where was this Symposium held?**

KRISTINE SMETANA JOINS TASK FORCE

Dr. Kristine Smetana, Professor of Chemistry at John Tyler Community College, has been invited to become a member of the ACS Society Committee on Education’s Task Force on Two-Year College Activities. In his letter of invitation to Dr. Smetana, Dr. Ralph Balazs, Chair of the ACS Society Committee on Education, said “You have been recommended for this appointment based on your professional experience and outstanding work within higher education.” The Task Force is charged with determining the interest in and viability of strategies for engaging and supporting two-year college programs within the broader higher education community. Dr. Smetana is Chair of the Virginia Section Committee on Community Activities; she coordinates the Section’s National Chemistry Week and Chemists Celebrate Earth Day activities. She is shown here with Dr. Bruce Bursten, 2008 National President of the ACS.



WWC CAREER PANEL

On Friday, March 27, five chemists from various areas of industry, government, and academia talked to over 50 students and guests at John Tyler Community College for the first Chemistry Career Panel sponsored by the Women Chemists Committee of Virginia. Dr. Stephanie Mabry, Chair of the WCC, introduced each of the women chemists who talked about how she became involved in her career in chemistry. Ms. Shannon Smith talked about gaining a MS in chemical engineering, an MA in chemistry and finally a teaching certificate which allowed her to teach in high school and community college. She described getting a teaching certificate in Virginia, which allowed her to teach introductory, college prep, and forensics chemistry at a high school. Dr. Marilyn Miller spoke on her varied career starting with a BS in chemistry and working as a forensic chemist both in the lab and at crime scenes. She eventually received her doctorate in a forensics chemistry program and now leads the program at Virginia Commonwealth University.

Dr. Miller was followed by Ms. Jenna Rice, one of her former students who received a BS degree from the forensics program at VCU. Ms. Rice now works in the Chemical Terrorism group at the Division of Consolidated Laboratory Services, the laboratory responsible for all testing for the Commonwealth of Virginia. She spoke on what she does in the lab and how the hiring process works at a government laboratory. Next, Dr. Denise Walters from Wyeth Consumer Healthcare shared her career history working in industrial research laboratories. She joined the workforce after getting a BS in chemistry and worked on her PhD while employed. She explained that as a chemist in the pharmaceutical industry, she has dealt with many aspects of projects from inception of an idea through testing and marketing of the product. Finally, Dr. Suzanne Ruder, who is a professor at Virginia Commonwealth University, spoke on her journey toward becoming a research chemist at a PhD granting university. She described her decision to go directly into a PhD program after receiving her BS degree and she explained that by being a teaching assistant and doing research during her education, she was able to get her advanced degree without incurring large debt. Each of these women described their career path in such a way that the audience of both men and women were able to understand and appreciate the options that a degree in chemistry can provide. Many thanks go to Dr. Kristine Smetana and to JTCC for hosting this event.

The WCC consists of chemists in industry, academia and government who wish to advance the careers of women in chemistry. For more information, visit the WCC webpage at <http://membership.acs.org/VVA/WCC/>.



Members of the WWC Career Panel:

(left to right)

Dr. Marilyn Miller
Dr. Denise Walters
Ms. Jenna Rice
Dr. Suzanne Ruder
Dr. Stephanie Mabry

Not pictured: Ms. Shannon Smith

CANDIDATES FOR SECTION OFFICES FOR 2010

The Nominating Committee, chaired by Trey Gregory, has submitted the following slate of Virginia Section officers for 2010:

For **CHAIR**: Dr. Yezdi B. Pithawalla, Altria Client Services

For **CHAIR ELECT**: Dr. Stephanie Mabry, Afton Chemical

For **VICE CHAIR**: Dr. Karen Carter, Commonwealth Biotechnologies, Inc.

For **TREASURER**: Dr. Bradley "Brad" K. Norwood, Arista Laboratories

For **SECRETARY**: Ms. Trish Lauck, Boehringer Ingelheim Chemicals, Inc.

For **COUNCILOR** (three-year term): Dr. Patrick Barber, Longwood University (retired)

For **ALTERNATE COUNCILOR** (three-year term): Dr. Kristine Smetana, John Tyler Community College

For **TRUSTEE** (three-year term): Dr. William Welstead, Whitehall-Robins (retired)

Full biographies of the candidates and voting instructions will appear in the September Bulletin. Balloting will be conducted in October. Write-in candidates are permitted.

UNDERGRADUATE RESEARCH POSTER SESSION UNIVERSITY OF VIRGINIA - APRIL 24, 2009

Ottie Allgood and James E. Turner - Department of Chemistry, Virginia Military Institute
"Estrogen's Impact on Cardiovascular Function in the Zebrafish (*Danio rerio*)"

Aneliese L. Apala, Alexander J. Raubach, Sara R. Goldstein, and William A. Mattson - Department of Chemistry, Randolph College
"Replacement of the Dropping Mercury Electrode in Voltammetry"

Michelle Archibald - Department of Chemistry, University of Virginia
"Progress Towards Enantioselectively Selective Palladium Catalyzed Decarboxylative Allylations"

Charve' Brown and Martha (Susan) Blair - Department of Chemistry and Physics, Virginia State University
"Synthesis of a Spectrochemical Series and Examination of Structurally Analogous Compounds"

Stephen E. Callahan - Department of Chemistry, Emory & Henry College
"Molecular Interfacial Repair Using Dipodal Silane Coupling Agents"

L. Wyatt Colvin, Jeramie Stamps and Christopher G. Gulgas - Department of Chemistry and Physics, Longwood University
"Synthesis and Characterization of Small, Thiourea-Based Fluorescent Anion Sensors"

Jeff Cooper - Department of Chemistry, Virginia Military Institute
"Cocrystals with Pharmaceuticals and Flavones"

Rita L. DiGrazia, Alison H. Dewald, Linda Columbus - Department of Chemistry, University of Virginia
"Liposome Reconstitution of Opa Proteins of *Neisseria*"

- James E. Doyle and Erich E. Brumbaugh** - Department of Chemistry, Bridgewater College
"Intermolecular Forces in Binary Liquid Solutions: Boiling Point Diagrams and Refractive Index"
- Courtney E. Dula, Shirnece Brown, and Edmund Moses N. Ndip** - Department of Chemistry, Hampton University
"Theoretical Studies of Some Donor- δ -Donor Heterocyclic Systems for Molecular Electronics"
- S. E. Ebmeier, E. E. McGuire, M. Aguiar, L. K. Willis and K. M. Maples** - Eastern Virginia Medical School, Children's Hospital of the King's Daughters
"Resolution of Submucosal Fibrosis in a Case of Fluticasone-Resistant Eosinophilic Esophagitis"
- Ruffin E. Evans, Guoqing Zhang, and Cassandra L. Fraser** - Department of Chemistry, University of Virginia
"Light Emitting Boron Biomaterials for Imaging and Sensing"
- Sara R. Goldstein, Aneliese L. Apala, Alexander J. Raubach, and William A. Mattson** - Department of Chemistry, Randolph College
"Enhancement of Atomic Emission and Atomic Absorption Lamps"
- Leopold Green, Kesete Ghebreyessus, and Uwe Hömmerich** - Department of Chemistry and Department of Physics, Hampton University
"Synthesis of Yb³⁺/Er³⁺ Co-Doped LaF₃ Nano-Crystals for Up-Conversion Fluorescence"
- Kristina M. Hamill and Kevin L. Caran** - Department of Chemistry and Biochemistry, James Madison University
"Synthesis and Colloidal Properties of Novel Biscationic Bicephalic (Double Headed) Amphiphiles"
- Paris L. Hamilton, Marilise Hyacinth, Lin Pu, Michal Sabat and Kevin L. Caran** - Department of Chemistry and Biochemistry, James Madison University; Department of Chemistry and Department of Molecular Physiology and Biological Physics, University of Virginia
"The Effect of Structure Modification on Low-Molecular-Weight Organogelators"
- William Harkins, Jianyuan Sun, Cheng Zhang, Rui Li, and Sam-Shajing Sun** - Center for Materials Research and Department of Chemistry, Norfolk State University
"C12-PTV with Controlled Regioregularity for Photovoltaic Application"
- Alisha Harris, Antonia Nwankwo, Adrienne Thomas, Kimberly Wilburn, and Michelle Waddell** - Department of Chemistry, Hampton University
"Synthesis of Dragomabin and its Derivatives as an Antimalarial Drug"
- Magen L. Harris** - Department of Chemistry, Emory & Henry College
"Effects of the Environment on Interfacial Adhesion Using Critical and Subcritical Adhesion Measurements"
- W. Michael Heiston and Ellen Mitchell** - Department of Chemistry, Bridgewater College
"A Study of the Reaction of Tris(2,4-pentanedionato)ruthenium(III) and Myrcene"
- K. D. Huzek and K. M. Dunn** - Department of Chemistry, Hampden-Sydney College
"The Kinetics of Cold Process Soap Making Through the Determination of Residual Total Alkali"
- Kendra Keith and Robert Bryant** - Department of Chemistry, University of Virginia
"Osmolyte-Protein Binding Interactions Determined by H-NMR Spectroscopy"
- Ali K. Khan, Wendy Fields, and Jason J. Chruma** - Department of Chemistry, University of Virginia
"Studies Towards the Total Synthesis of Nakadomarin A"

Samantha K. Kistler, Joseph M. Crockett, and Stephen Baron - Department of Chemistry, Bridgewater College

“A Study of Suspect Drug Components in Bacterial Growth”

Shawnta Lloyd and Patricia Hatch - Department of Chemistry, Hampton University
“Identification and Characterization of Lectins - A Potential Surrogate for Ricin”

Adam Maclauchlan and Rebecca R. H. Michelsen - Department of Chemistry, Randolph-Macon College

“Protonation of 1-Pentanol and tert-Butanol in Cold Sulfuric Acid”

Richard Mullenberg and Everett E. Carpenter - Department of Chemistry, Virginia Commonwealth University

“Synthesis of Iron Oxide Thin Films Using Spin-Spray Plating”

H. Thien Nguyen, Chris Reyes, Izabela Bielnicka, and Linda Columbus - Department of Chemistry, University of Virginia

“Investigating the Effects of Detergent Size on the Refolding of a Beta-Barrel Membrane Protein Using On-Column Methods”

Jay (Hong) Park and Jill Venton - Department of Chemistry, University of Virginia

“Carbon Nanotube Modification to the Carbon Fiber Microelectrodes”

Daniel Y. Pharr, Matthew Glomb, and Dennis Habersang - Department of Chemistry, Virginia Military Institute

“Developing a Faster Method for the Analysis of Selenium”

Sean P. Platt and H. J. Sipe, Jr. - Department of Chemistry, Hampden-Sydney College

“A Study of the Free Radical Production of Curcumin and Related Phenolic Antioxidants”

Alexander J. Raubach, Sara R. Goldstein, Aneliese L. Apala, and William A. Mattson - Department of Chemistry, Randolph College

“Elimination of the Sample Cell in Infrared Spectrophotometry”

Christopher Reyes, Daniel A. Fox, Kalyani Jambunathan, H. Thien Nguyen, Izabela Bielnicka, and Linda Columbus - Department of Chemistry, University of Virginia

“Molecular Determinants of Neisserial Pathogenesis: Mapping the Interaction Between Opa I and a Human Binding Partner CEACAM1”

Ben Romer, Sylvia Cechova, and Jill Venton - Department of Chemistry, University of Virginia

“Electrochemical Detection of Dopamine and Adenosine in the Presence of Certain Drugs”

Abby Roush - Department of Chemistry, Emory & Henry College

“Repair of Dielectric Interfaces using Chemistry Specific Coupling Agents”

Christian R. Schwantes, Jenifer L. Banning, Matt H. Becker, Rob M. Brucker, Devon C. Flaherty, Reid N. Harris, Kevin P. C. Minbiole, and Doug C. Woodhams - Department of Chemistry and Biochemistry and Department of Biology, James Madison University

“Developing a Bacterial Treatment Using *Janthinobacterium lividum* for Amphibians *Rana muscosa* and *Plethodon cinereus* Infected with *Batrachochytrium dendrobatidis*”

Keith F. Searles and Rebecca R. H. Michelsen - Department of Chemistry, Randolph-Macon College

“Ion Exclusion and the Acidity of Ice Films”

Nacole King, Jessica Brigance, Jennifer Leach and Aprint Powell - Department of Chemistry and Physics, Virginia State University

“The Symmetry Change of $[\text{Co}(\text{2,9-dimethyl-1,10-phenanthroline})(\text{H}_2\text{O})_4]^{2+}$ in Sol Gels and the Examination of Similar Chemical Behavior with $[\text{Co}(\text{6,6-dimethyl-2,2-dipyridyl})(\text{H}_2\text{O})_4]^{2+}$ ”

Amanda M. Kistler and Kenneth Overway - Department of Chemistry, Bridgewater College

“Do You Know What You Are Eating? A Study of the Leaching of Bisphenol A”

Myrta A. See and Kenneth Overway - Department of Chemistry, Bridgewater College

“Preliminary Kinetics Studies of Fatty Acid Amide Hydrolase Enzyme”

Jonathon E. Sheldon and Christopher G. Gulgas - Department of Chemistry and Physics, Longwood University

“Towards the Synthesis of Lanthanide Triple Helicates Through Anion-Templated Assembly”

Wei-Yu Shih and Chi-Chin Wu - Department of Chemistry, Virginia Military Institute

“Nanoscale Local Heating of the Poly(methylmethacrylate) Thin Film by Focused Ion Beam Using the Finite Element Method”

Jacquelyn Singletary, Tanya David, C. Zhang, S. Sun, R. Li - Center for Materials Research, Norfolk State University

“Poly-(3-Dodecyloxy-2,5-thienylene vinylene) for Potential Optoelectronic Applications”

Alexander J. Snyder, Tappey H. Jones, and William A. Shear - Department of Chemistry, Virginia Military Institute and Department of Biology, Hampden-Sydney College

“Phenols from Opilionids”

Sonia Taneja - Department of Chemistry, University of Virginia

“Screening for a Genetic Predisposition to Accidental Overdose of the Anticoagulant Drug Warfarin: Assay Development for a Microchip PCR Device”

Abigail Turner and Karl Zachary - Department of Chemistry, Mary Baldwin College

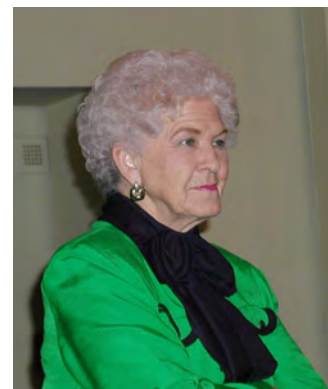
“A Spectroscopic Study of Cucurbit[7]uril Host-Guest Recognition Properties”

Logan Wise - Department of Chemistry, Emory & Henry College

“Effects of Carbon Doping and Environmental Corrosion in Glassy Films”

CAN YOU IDENTIFY THIS PERSON?

The photograph is from 2006 when the subject was president of the American Chemical Society. She is a professor of Chemistry at Cameron University in Lawton, Oklahoma and holds degrees from N.E. Oklahoma University, Oklahoma State University, and Texas Woman’s University. In October, 2006, she spoke to the Virginia Section on “Improving People’s Lives Through the Transforming Power of Chemistry.”



The “mystery persons in the April issue were John Thoburn (left) and Brian Moores, faculty members at Randolph-Macon College. They did a program of chemical demonstrations titled “An Evening of Chemical Diversions” at the Virginia Section meeting held at Randolph-Macon College on December 3, 2004.

THE BULLETIN

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Ken Chapman

