



The Bulletin
of the
Virginia Section

AMERICAN CHEMICAL SOCIETY

OCTOBER MEETING NOTICE

Randolph-Macon College
Ashland, Virginia
Friday, October 26, 2007

RECEPTION: **6:15 p.m.**
Lobby, Copley Science
Center
304 Caroline Street

PROGRAM: **7:15 p.m.**
Room 101, Copley
Science Center

MENU: Cheese Tray, Fruit Tray, Finger Sandwiches, BBQ Meatballs, Crab Dip,
Mini Quiche, Stuffed Mushrooms, Crostini, Chocolate Covered Straw-
berries, Petit Fours, Soft Drinks (Beer and Wine at extra cost)

PRICE: Members/Guests - \$12.00; Students, High School Teachers/Spouses,
Retired ACS Members/Spouses, Retired Teachers/ Spouses - \$6.00

**DINNER
RESERVATIONS:** Please make reservations for the dinner by **NOON on Tuesday,
October 23** by calling Ms. Barbara Wirth at (804) 752-7368 or by
e-mail to bwirth@rmc.edu.

Please honor your dinner reservations!

HOST: Dr. John Thoburn, (804) 752-3790; jthoburn@rmc.edu

SPEAKER: **Dr. Stanley E. Manahan**
University of Missouri

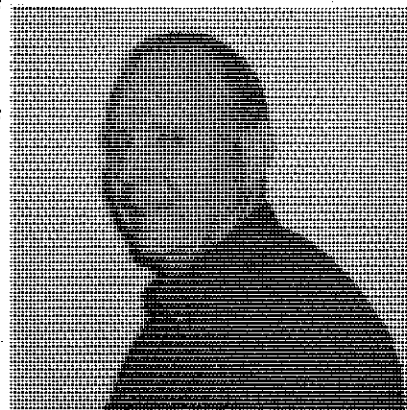
TOPIC: **"The Greening of Environmental Chemistry"**

OCTOBER 2007

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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
		<small>reservations</small>			<small>meeting</small>	
28	29	30	31			

Dr. Stanley E. Manahan

Stanley E. Manahan is a professor of chemistry at the University of Missouri-Columbia, where he has been on the faculty since 1965. He received his A.B. in chemistry from Emporia State University in Kansas in 1960 and his Ph.D. in analytical chemistry from the University of Kansas in 1965. Since 1968, his primary research and professional activities have been in environmental chemistry, with recent emphasis on hazardous waste treatment. Current research deals with gasification as an alternative to incineration as a means of thermally treating hazardous waste materials without producing toxic pollutant byproducts. Professor Manahan has taught courses on environmental chemistry, hazardous wastes, toxicological chemistry, and analytical chemistry and has lectured on these topics throughout the U.S. as an American



Chemical Society Local Sections tour speaker and in a number of countries including France, Italy, Austria, Japan, Mexico, and Venezuela. Professor Manahan has written books on environmental chemistry (*Environmental Chemistry*, 8th ed., 2004, Taylor & Francis/CRC press), green chemistry (*Green Chemistry: Fundamentals of Sustainable Chemical Science and Technology*, 2004, ChemChar Research, Inc.) general/environmental chemistry (*Fundamentals of Environmental Chemistry*, 2nd ed., 2000, Lewis Publishers/CRC press), hazardous wastes and industrial ecology (*Industrial Ecology: Environmental Chemistry and Hazardous Waste*, 1999, Lewis Publisher/CRC press), toxicological chemistry (*Toxicological Chemistry and Biochemistry*, 3rd ed., 2002, Lewis Publishers/CRC press), applied chemistry, and quantitative chemical analysis. He is the author or co-author of approximately 90 research articles.

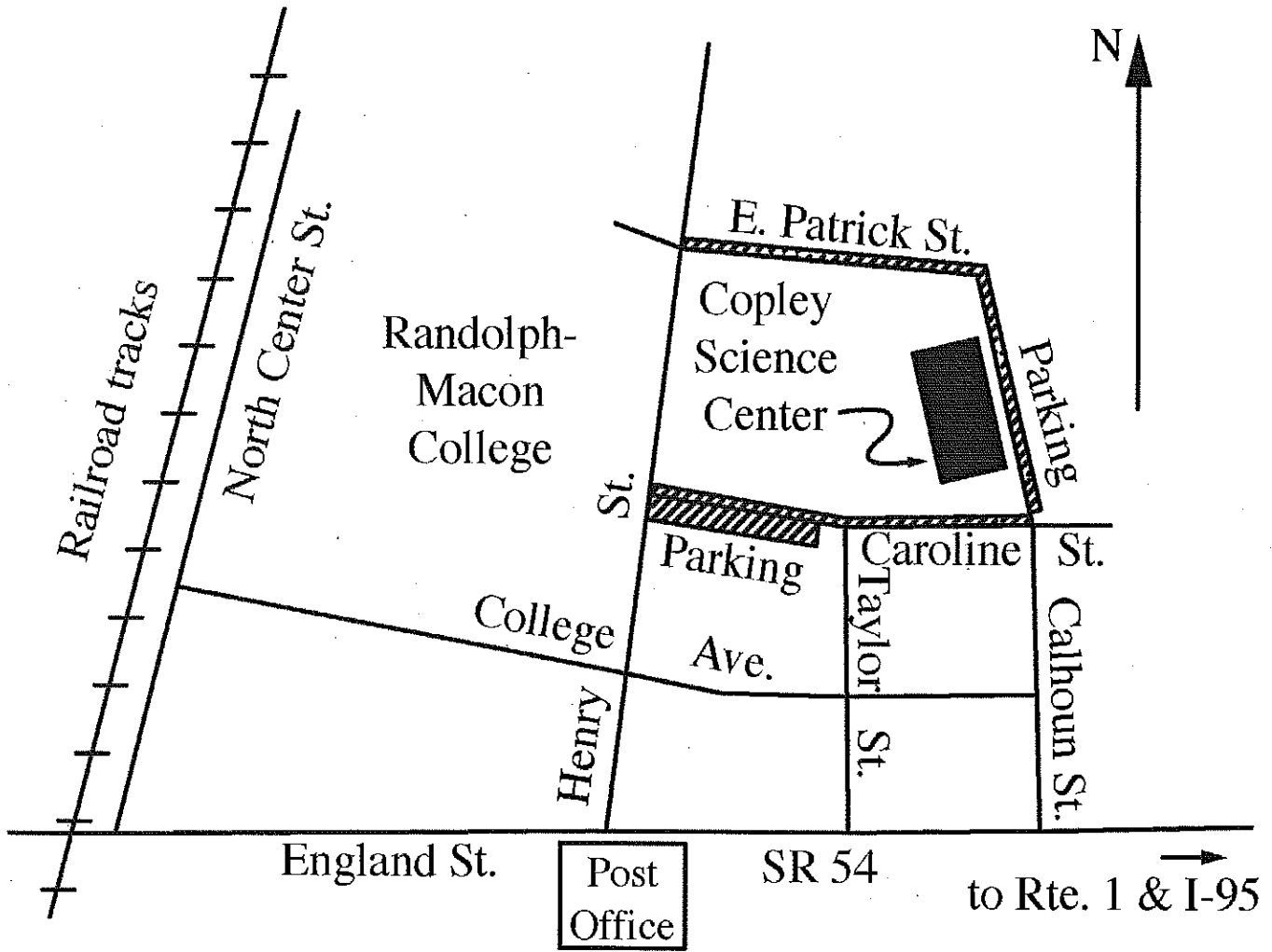
THE GREENING OF ENVIRONMENTAL CHEMISTRY

Environmental chemistry has become firmly established as a viable subdiscipline in the chemical sciences, and some chemical educators argue that it should be a required part of the curriculum for a chemistry degree. Environmental chemistry may be defined as the study of the origins, transport, reactions, effects, and fates of chemical species in the atmospheric, aquatic, terrestrial, living, and anthropogenic environments. The successful applications of environmental chemistry can be used to predict pollution problems at the design stages of new technologies, permitting remedial action to be taken before major problems actually develop. This lecture discusses environmental chemistry on the basis of the author's book on that topic, which has been in print for more than three decades and is in its eighth edition. The environment is treated as consisting of five mutually interacting spheres of which four—the atmosphere, the hydrosphere, the geosphere, and the biosphere—have long been considered in traditional treatments of environmental science. However, to be realistic in the modern era, a fifth sphere must be considered: The anthrosphere consisting of the things that people make and do. Environmental chemistry considers how these five spheres interact chemically with each other, interchanging materials and energy. This lecture traces the evolution of environmental chemistry over the last several decades. In its earliest stages, environmental chemistry was focused upon pollutant detection and pollution control dictated by regulation, a “command and control” approach based upon “end-of-pipe” measures that emphasize removal of pollutants from exhaust and discharge streams after they are produced. The lecture describes how, since those earlier days, environmental chemistry has undergone a “greening” process in which emphasis is now upon inherently non-polluting practices and sustainability. Included is a discussion of such concepts as industrial ecology, eco-efficiency, and, especially as applied to chemistry, green chemistry.

DIRECTIONS

From I-95, take the Ashland exit (exit 92B) and follow SR 54 (England Street) west into town. Calhoun Street is the second street after you cross Route 1 (Hanover Cleaners is on one corner and a check-cashing service on another). Turn right on Calhoun Street. Go two blocks, Copley Science Center is at the corner of Caroline and Calhoun Streets. Parking is available on the streets around the Copley Science Center.

MAP



WORDS OF WISDOM FOR JANUARY: *"Work on the Best Ideas, Not Just Your Ideas"*

*** VIRGINIA SECTION NEWS ***

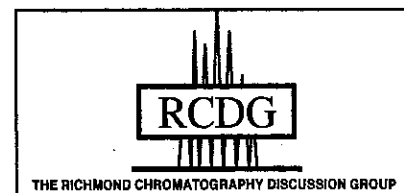
FUTURE MEETINGS

DATE:	November 9, 2007	DATE:	December 7, 2007
LOCATION:	University of Mary Washington Fredericksburg, Va.	LOCATION:	John Tyler Community College Chester, Va.
HOST:	Dr. Roy Gratz	HOST:	Dr. Kristine Smetana
PHONE:	(540) 654-1412	PHONE:	(804) 706-5143
SPEAKER:	Dr. Jack Breazeale	SPEAKER:	Dr. Marilyn T. Miller
TOPIC:	"Lab Inspections: You Might Be Surprised By What You Find!"	TOPIC:	"CSI and Forensic Science: Reel vs Reel"

Presentation of Teaching Awards

RICHMOND CHROMATOGRAPHY DISCUSSION GROUP

The Richmond Chromatography Discussion Group promotes the interests of chromatographic and other separation sciences by expanding the awareness and capabilities of individuals from the scientific community. The group publishes a newsletter, presents lectures, and provides student scholarships. For more information and a schedule of their seminars, check the RCDG website: <http://rcdg.org>. Future meetings:



October 16, 2007 at 5:30 p.m.

"Micro-immunoaffinity Separations for Biological Matrices"

Dr. Mike Peoples, Department of Pharmaceutics, VCU

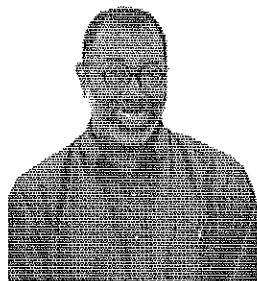
Sponsored by: Waters

November 7, 2007

"Mass Spectrometric Studies of Protein Modifications from Oxidative Stress"

Dr. Scott Gronert, Professor Organic and Biological/Biophysical Chemistry, VCU

THE CHAIR'S CORNER



Congratulations to our Distinguished Service Award recipient, **Dr. Jeffrey I. Seeman**, and to the Outstanding Innovation Award recipient **Dr. Kai O. Donsbach**. I was excited to see so many Section members at the VCU September meeting and the large number of high school students. A special thanks to VCU faculty members **Dr. Sarah C. Rutan** and **Dr. Sally Hunnicutt**, for sharing various programs and opportunities available in chemistry at VCU and other colleges and universities in the Section with a host of students from Cumberland High School.

There continues to be lots of "excitement in the air" as the Virginia Section received the Earth Day Award at the ACS National meeting in Boston. **Dr. Kristine Smetana**, Coordinator of Earth Day

and National Chemistry Week (NCW) activities, graciously received the award. Dr. Smetana will need our help this month to assist with NCW activities. She can be reached at kmetana@jtcc.edu.

On October 13, the Younger Chemist Committee (YCC), **Dr. Janet Asper**, Chair, presents "Launching Your Chemistry Career" at Cally's Restaurant and Brewing Company in downtown Harrisonburg. This will be a great opportunity for our younger chemists to meet new folks, network, and just have some fun. Dr. Asper has invited **Dr. Ram Mohan**, Professor of Chemistry at Illinois Wesleyan University to lead an informal career discussion. Dr. Asper may be reached at jasper@umw.edu.

Please be aware that **Dr. Bill Rademaker** is soliciting nominations for the middle and high school science chemistry teacher awards. I know that Dr. Rademaker will appreciate any assistance you are able to provide. It is also that time of year for election of officers. **Dr. Dorothy Eseonu** has been busy working on the ballot. More information will be forthcoming. Don't forget to exercise your privilege to vote for local section officers as well as the slate of ACS National candidates.

Hats off to The Bulletin Editor, **Dr. Jim Beck** and to our webmaster, **Dr. Ann Sullivan** for the great job that they do in sharing information with the Virginia Section members. If you are not receiving a copy of the Bulletin and wish to do so, let me know. My contact information may be found at our website - <http://membership.acs.org/VVA/> along with more details relative to coming Section events.

...Will H. Lewis, Jr., Ph.D.

CHEMISTRY SEMINARS AT THE UNIVERSITY OF VIRGINIA

October 12 - Professor Peter Qin, University of Southern California, "Site-Directed Spin Labeling Studies of Nucleic Acids"

November 2 - Professor James Engstrom, Cornell University, "The Dynamics of Growth of Organic Thin Films using Supersonic Sources: Trends, Observations and Surprises"

November 9 - Professor Paul Axelsen, University of Pennsylvania, "Oxidative Stress in Lipid Membranes and the Misfolding of Amyloid Beta Proteins in Alzheimer's Disease"

Chemistry colloquia are held at 4:00 p.m. in Room 304 of the Chemistry Building.

The complete colloquium schedule is on-line at <http://www.virginia.edu/chem/newsandevents/seminars/>.

CHEMISTRY SEMINARS AT VIRGINIA COMMONWEALTH UNIVERSITY

Thursday, Oct. 11 - Dr. Christopher Bauer, University of New Hampshire

Tuesday, Oct. 16 - Dr. Tanya Raschke, Department of Structural Biology, Stanford University, "Structural Details of the Hydrophobic Interaction"

Thursday Oct. 25 - Dr. John D. Weeks, University of Maryland, College Park

Tuesday, Oct. 30 - Dr. Zeev Rosenzweig, University of New Orleans and NSF, "Quantum Dot-based Probes for Bioassays"

Thursday Nov. 1 - Dr. Michael Vadala, Virginia Tech

Tuesday, Nov. 6 - Dr. Francis Zamborini, Department of Chemistry, University of Kentucky at Louisville

Thursday, Nov. 8 - Dr. James C. Fishbein, Department of Chemistry and Biochemistry, University of Maryland, Baltimore County

Thursday, Nov. 29 - Dr. Adrian Parsegian, NIH, "Van der Waals Forces,"

Seminars are held at 3:30 p.m. in the Kapp Lecture Hall, Room 1024, in the Mary E. Kapp Wing of Oliver Hall, 1001 West Main Street. Call (804) 828-1298 for more information.

CHEMICAL ENGINEERING SEMINARS AT THE UNIVERSITY OF VIRGINIA

October 4 - Professor Amadeu Sum, Department of Chemical Engineering, Virginia Polytechnic Institute & State University, "Molecular Studies of Complex Systems: From Lipid Bilayer to Clathrate Hydrate Structure"

October 11 - Professor Jennifer Sinclair Curtis, Department of Chemical Engineering, University of Florida, "Using DEM to Develop Constitutive Models for CFD Simulations of Particulate Flows"

October 18 - Professor Alon McCormick, Department of Chemical Engineering and Materials Science, University of Minnesota, "Observing and Understanding Nanostructure Formation"

October 25 - Professor Chaitan Khosla, Department of Chemical Engineering, Stanford University, "Engineering Polyketide Antibiotic Biosynthesis: The Example of Erythromycin"- **Merck Lecture**

November 1 - Professor Michael Lawrence, Department of Biomedical Engineering, University of Virginia, "Assessing Selectin Bond Formation Probability Using Micropatterned Ligands"

November 15 - Professor Jeffrey Reimer, Department of Chemical Engineering, University of California (Berkeley), "Magnetic Resonance and the Design and Analysis of Systems Governed by Physical and Chemical Rates"

November 29 - Robert L. Hirsch, Senior Energy Policy Advisor, SAIC, "The Peaking of World Oil Production and Its Mitigation"

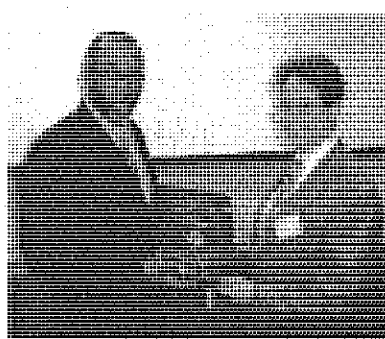
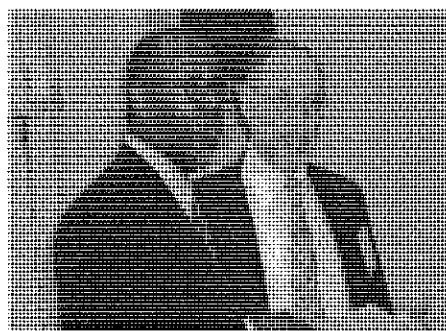
Seminars are held at 11:00 a.m. in Room 005 of the Chemical Engineering Building.
Call (434) 924-7778 or check www.che.virginia.edu/seminar.html for more information.

SOUTHEASTERN REGIONAL MEETING

SERMACS 2007, sponsored by the Western Carolinas Section, will be held in Greenville, South Carolina, October 24-27. Online meeting registration is open at the meeting website: <http://www.sermacs2007.org/>. The meeting will feature an outstanding technical program, as well as a variety of educational, cultural and recreational events. There are special programs for all aspects of the ACS membership, including industrial and government scientists, educators, and students. Please see the website for complete details.

REPORT ON THE SEPTEMBER SECTION MEETING

Over ninety persons attended the Annual Awards Meeting at Virginia Commonwealth University on September 14. Dr. Will Lewis, Section Chair, presented the Distinguished Service Award to Dr. Jeffrey I. Seeman and the Outstanding Innovation Award to Dr. Kai O. Donsbach. Dr. Donsbach was introduced by Dr. Jack Brown, Senior Manager of Process Optimization and Transfers at Boehringer Ingelheim Chemicals. Dr. Seeman entertained and educated the audience with an inspiring and compelling presentation on "Anecdotes and Learning in a Science Career." Dr. Lewis recognized eleven recipients of the Section's Distinguished Service Award who were present. He also displayed the Earth Day Award that was given to the Section at the national meeting. Special thanks to Dr. Sally Hunnicutt and her colleagues at Virginia Commonwealth University for hosting this fine meeting.



TEACHER AWARDS

The Virginia Section is soliciting nominees for two teaching awards: the Outstanding High School Chemistry Teacher Award and the Outstanding Middle School Science Teacher Award. If you would like to nominate persons for these awards, contact Dr. William Rademaker at (804) 794-3752; wrad@verizon.net. Each award consists of a plaque and a check for \$300.00. The teacher awards are sponsored by Boehringer Ingelheim Chemicals; the 2007 awards will be presented at the December 7 Section meeting.

QUESTION FROM THE PAST

This question was asked in the September Bulletin: On June 9, 1961, the Virginia Section presented its Distinguished Service Award to a Professor of Chemistry from the University of Virginia. The recipient was born in Vienna, Austria, in 1905 and received a Ph.D. degree from the University of Vienna in 1928. He worked for the Hoffman-LaRoche Company before joining the faculty at UVA. His research in medicinal chemistry focused on the chemistry of opium alkaloids and the synthesis of morphine substitutes. **Who was the recipient of the 1961 Distinguished Service Award "for outstanding contributions in the advancement of the chemical profession."** Dr. Alfred Burger, Professor of Chemistry at the University of Virginia, received the Distinguished Service Award in 1961. The Award was presented at the Oak Hill Country Club in Henrico County. In 1961, the Distinguished Service Awards were sponsored by Mrs. Henry K. McConnell in memory of her husband who for many years was an outstanding leader in industrial chemistry in the South. Mr. Alan Mandell received the Distinguished Service Award for High School Chemistry Teaching in 1961.

New question: When Dr. Jeffrey Seeman gave the Awards talk at the September 14 meeting, it marked the fourth time that he had spoken at a Section meeting. This feat tied him with two other individuals, both of whom are still active in the Virginia Section. **Who are the other two persons who have given four presentations at Section meetings?**

Chemistry at Randolph-Macon College



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

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

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

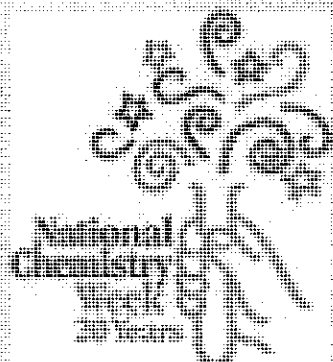
The chemistry department is housed in Copley Science Center, a three-story building which also houses the departments of biology, computer science, mathematics, psychology, and physics. Our students have access to all of the scientific instrumentation in the department: 400 MHz FT NMR, AA, a GC/MS, HPLC,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

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

JOIN A COMMITTEE!

Help out the Virginia Section by serving on one of our committees: Awards, Chemical Education, Chemical Technicians, Chemistry Olympiad, Entertainment, Government Relations, Hospitality, Media/Public Relations, Membership, Minority Affairs, National Chemistry Week, Publications, Safety, Student Affiliates, and Younger Chemists (YCC). To get more information, volunteer your services, or make suggestions, contact Dr. Will H. Lewis, Jr. at (804) 274-5869; will.h.lewis@pmusa.com. Suggestions for new committees or committee activities are welcome. Have an idea for a future meeting, a speaker, a topic, a location? Contact Ken Chapman who is planning the programs for 2008: (804) 448-4852; kmc97@aol.com

NATIONAL CHEMISTRY WEEK



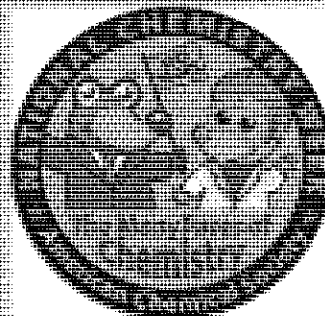
October 18-20, 2007

Theme: "The Many Faces of Chemistry"

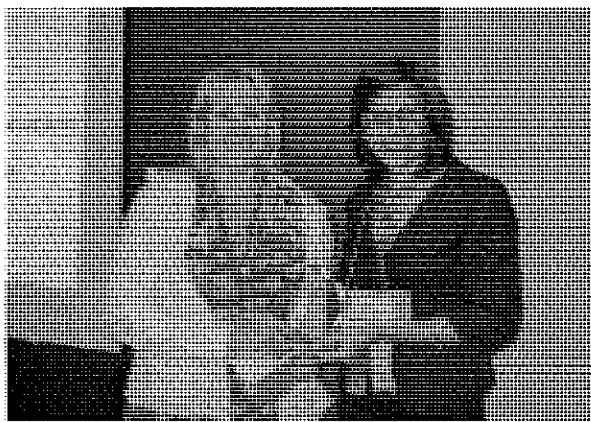
Information: <http://www.chemistry.org/ncw>

The Virginia Section will be doing hands-on activities at the Science Museum of Virginia in Richmond. There will be a NCW Poster Contest for children in kindergarten through 12th grade and a NCW Chemvention Competition for student affiliate chapters. See the ACS Chemistry website for more information on these and other NCW activities. This year marks the 20th Anniversary of the National Chemistry Week program.

The NCW Coordinator for the Virginia Section is **Dr. Kristine Smetana**, Associate Professor of Chemistry at John Tyler Community College. Contact her for information on NCW activities within the Virginia Section and to volunteer your help for this year's National Chemistry Week: (504) 706-5143; ksmetana@jtyc.edu.



VIRGINIA SECTION WINS EARTH DAY AWARD



At the National ACS Meeting in Boston, the Virginia Section received an award for its Earth Day activities. The award is for the "Greatest Community Involvement in Chemists Celebrate Earth Day." Dr. Kristine Smetana of John Tyler Community College coordinated the Earth Day activities for the Virginia Section. She organized activities at John Tyler and at the Science Museum of Virginia in Richmond. Ingrid Montez (right), Chair of the ACS Community Affairs Committee, is shown presenting the award to Dr. Smetana at the Boston meeting.

VIRGINIA SECTION WEBSITE

Information on Virginia Section meetings, copies of the Bulletin, and much more can be found on the Virginia Section Website. It can be accessed via <http://membership.acs.org/VVA/>. Dr. Ann Sullivan is the Webmaster. She can be reached at asullivan@reynolds.edu.

The Younger Chemists Committee
of the Virginia Local Section of the ACS
proudly presents

its first "Chemistry on Tap" presentation and social hour

Launching Your Chemistry Career

An informal career discussion
led by

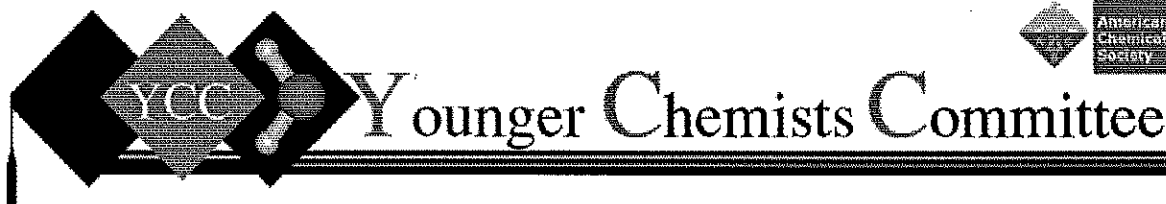
Dr. Ram Mohan
Professor of Chemistry
Illinois Wesleyan University

Friday, October 12, 2007
5:30 PM

Cally's Restaurant and Brewing Company
Downtown Harrisonburg

Join chemists from the Shenandoah Valley for a seminar aimed directly at younger chemists. Network, make friends, and have fun!!

RSVP by October 10
Prof. Kevin Minbirole
minbiokp@jmu.edu



JN MEMORIAM

Randolph N. Gladding
1906 - 2007

Randolph N. Gladding died on September 10, 2007 at the age of 101. He served as Chair of the Virginia Section in 1956 and received the Distinguished Service Award in 1967. He was a retired Research Chemist for The American Tobacco Company. He also served the Virginia Section in the positions of Treasurer, Secretary, Vice Chair and Chair-Elect. Randolph was active in the Richmond Rose Society and served a term as its President. He is survived by his wife Elizabeth, daughter Nancy Tiller, four grandchildren, and eight great-grandchildren.



POSITION AVAILABLE

Creative and innovative scientist needed to redefine polyurethane formulations that create new business opportunities for a very successful premium consumer products company.

Description: We are seeking an outstanding Polyurethane Flexible Foam PhD Research Chemist for an outstanding opportunity in the North American R&D Center for a premium consumer products company. The ideal candidate has 5+ years in manufacturing R&D with polyurethane expertise and experience in fluid mechanics and heat transfer.

Requirements:

1. 5+ years experience in manufacturing R&D work in polyurethane foam
2. PhD Chemistry, Material Science, Chemical Engineering, related fields

Location: Kingsport TN, where costs of living is about 85% compared to national averages

Compensation: \$80-100+++

Contact Ellen S. Payton, Account Executive, REITZER GROUP INTERNATIONAL, 111 West Main Street, Suite 205, Jonesborough, TN 37659

Office 423.753.0059 (8:30-5:30 Eastern time) Cell 423-202-6586 (anytime)
epayton @ reitzergroup.com; <http://www.reitzergroup.com>

GRANTS FOR CHEMICAL EDUCATION

The Virginia Section provides grants to support school science projects in grades K through 12. These are two recent grants:

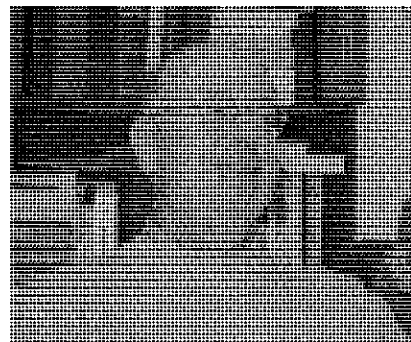
1. \$500 to Shannon Smith, Chemistry Teacher at Meadowbrook High School in Chesterfield County for materials to support a new course in Forensic Chemistry. The funds will be used to purchase laboratory materials and processing kits for various experiments in areas such as DNA analysis, fingerprint identification, and casting of tool, shoe, and tire impressions.

2. \$461 to Barbara A. Derflinger, AP Chemistry Instructor at Central High School in Shenandoah County to purchase four colorimeters. The colorimeters will be used to do experiments with Beer's Law and to determine the equilibrium constant for a chemical reaction.

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

DR. JOHN GUPTON TO RECEIVE ACS AWARD

Dr. John T. Gupton, the Floyd D. and Elizabeth S. Gottwald Professor of Chemistry at the University of Richmond, has been named the recipient of the **2008 ACS Award for Research at an Undergraduate Institution**. The award recognizes research that constitutes advances in science as evidenced by refereed publications with undergraduate coauthors in leading scientific research journals, external research grant support, and the subsequent professional development of students who have participated in the research program. The award is given for significant work over a long period of time. It will be presented at a ceremony on April 8, 2008 in conjunction with the 235th national meeting in New Orleans.



Dr. Gupton received a B.S. degree in Chemistry from Virginia Military Institute, and M.S. and Ph.D. degrees in Chemistry from the Georgia Institute of Technology. His academic experience includes the University of Central Florida and the University of North Carolina at Asheville. He joined the faculty of the University of Richmond in 1999 as a Professor of Chemistry. Dr. Gupton has over 90 publications and has been awarded research grants from the Petroleum Research Fund, the Jeffress Memorial Trust, the National Institutes of Health, and the National Science Foundation. Over the last 29 years, he has worked with 103 undergraduate research students. His undergraduate research students have been coauthors on the majority of his 93 publications. This is a consequence of their collaborative team approach to developing new synthetic organic chemistry strategies and methodologies.

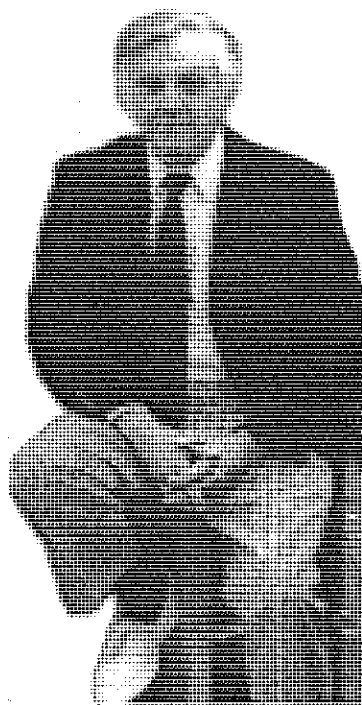
The "trinity of research goals" of the Gupton Research Group centers around 1) developing and understanding new and novel reactions of vinylogous iminium salts; 2) modifying these vinylogous iminium salts with unique substituents and understanding the resulting reactivity; and 3) taking the information learned in categories 1) and 2) and applying it to the preparation of biologically important compounds which in some instances may be natural products. The underlying theme in these three goals is the demonstration that vinylogous iminium salts are versatile intermediates for the construction of highly substituted heterocyclic systems in a predictive fashion. Most recently, the research group has been systematically studying the condensation reactions of aminocarbonyl compounds with a variety of vinylogous iminium salt derivatives, which have been found to produce di- and trisubstituted pyrroles with regiochemical control.

J N MEMORIAM

Trevor B. Hill

1931 - 2007

Trevor B. Hill died on August 18, 2007 at the age of 76. He served as Chair of the Virginia Section in 1982 and received the Distinguished Service Award in 1987. He was born in Canada, receiving a B.Sc. Degree from the University of Alberta in 1952, then came to the United States and earned a Ph.D. in organic chemistry from Cornell University in 1957. From 1957 until 1963 he was employed as a research chemist for the DuPont Company in Philadelphia. In 1963 he joined the faculty of the College of William and Mary where he remained until his retirement in 1992 as Professor of Chemistry, Emeritus. He served the Virginia Section in many ways, including Chair-Elect, Alternate Councilor, and Trustee. Dr. Gary Rice, Chair of the Department of Chemistry at the College of William and Mary, had this to say about Trevor: "His love of chemistry, coupled with his passion for teaching will always be remembered by those of us who worked with him, as well as the thousands of William and Mary alumni who had the privilege to grace his classrooms. Probably the most lasting impression he ever made on students and faculty was his ability to lecture on every subject without the use of any notes, a feat that few, if any of us in academia, could ever rival."



CHEMISTRY DEPARTMENTS AT COLLEGES AND UNIVERSITIES IN THE VIRGINIA SECTION

<u>School/Location</u>	<u>Department Chair/ Program Coordinator</u>	<u>Phone/E-mail</u>
Bridgewater College Bridgewater, VA 22812	Dr. Joseph Crockett	(540) 828-5431 jcrocket @ bridgewater.edu
College of William & Mary Williamsburg, VA 23187-8795	Dr. Gary W. Rice	(757) 221-2540 gwrice @ wm.edu
Eastern Mennonite University Harrisonburg, VA 22802	Dr. Stephen G. Cessna	(540) 432-4403 cessnas @ emu.edu
Hampden-Sydney College Hampden-Sydney, VA 23943	Dr. C. William Anderson	(434) 223-6187 wanderson @ hsc.edu
James Madison University Harrisonburg, VA 22801	Dr. Donna S. Amenta	(540) 568-6246 amentads @ jmu.edu
Longwood College Farmville, VA 23909	Dr. Melissa Rhoten	(434) 395-2636 rhotenmc @ longwood.edu
Mary Baldwin College Staunton, VA 24401	Dr. Vladimir Garkov	(540) 887-7102 vgarkov @ mbc.edu
Randolph-Macon College Ashland, VA 23005	Dr. Serge Schreiner	(804) 752-7206 sschrein @ rmc.edu
St. Paul's College Lawrenceville, VA 23868	Dr. Sunday A. Adesuyi	(434) 848-6484 sadesuyi @ saintpauls.edu
Shenandoah University Winchester, VA 22601	Dr. John Happ	(540) 665-4591 jhapp @ su.edu
University of Mary Washington Fredericksburg, VA 22401	Dr. Kelli Slunt	(540) 654-1406 kslunt @ umw.edu
University of Richmond Richmond, VA 23173	Dr. William Myers	(804) 289-8249 wmyers @ richmond.edu
University of Virginia Charlottesville, VA 22901	Dr. Ian Harrison	(434) 924-3639 harrison @ virginia.edu
Virginia Commonwealth Univ. Richmond, VA 23284	Dr. Nicholas P. Farrell	(804) 828-1298 npfarrel @ vcu.edu
Virginia State University Petersburg, VA 23806	Dr. Ralph Gatrone	(804) 524-5438 rgatrone @ vsu.edu
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NCW VOLUNTEERS NEEDED!

The Virginia Section will be participating in the National Chemistry Week celebration. Volunteers are needed to make this a successful event!

The National Chemistry Week Event will be held at the Science Museum of Virginia in Richmond from Thursday **October 18 through Saturday October 20**, 10:00 am - 3:00 pm each day. The special activities that are being planned will be free with the purchase of a general exhibit admission ticket at the SMV. Anyone who would like to volunteer and participate in this event should contact Dr. Kristine Smetana by e-mail to kmetana@jtcc.edu or at (804) 706-5143.

Participants are also being solicited for the national NCW poster contest. Students in kindergarten through 12th grade can submit posters that recognize the NCW theme "The Many Faces of Chemistry". The winning posters for the Virginia Section will be entered into the national competition. Please contact Kristine Smetana or visit the ACS Website at <http://www.chemistry.org/ncw> or call 1-800-227-5558, extension 6097 for more information on NCW and the poster contest. Posters must be received by October 20.

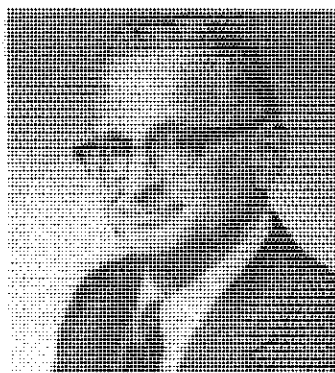
INFORMATION FOR THE BULLETIN

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(804) 733-5286 [beckjd1977 @ comcast.net](mailto:beckjd1977@comcast.net)

Announcements of positions available are especially welcomed and are printed at no charge.

CAN YOU IDENTIFY THIS PERSON?



The photograph is from 1973 when the subject received the Distinguished Service Award from the Virginia Section. On November 4, 2007, he will celebrate his 90th birthday. At the time of the photo, he was the Assistant Leaf Services Manager in the Department of Research and Development of the American Tobacco Company. He was born in Greensboro, North Carolina and received a B.S. degree in Chemistry from the College of Charleston. During World War II, he was in the Army Chemical Warfare Service and the Army Air Force. His entire chemical career was spent at The American Tobacco Company. He served the Virginia Section in many ways, including the position of Chair in 1968. He was President of the American Institute of Chemists in 1972-73.

The "Mystery Couple" in the September Bulletin were Gail and Bill Welstead, both of whom play in the Richmond Concert Band. Bill received the Section's Distinguished Service Award in 1983.



THE BULLETIN

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