



The Bulletin
of the
Virginia Section
AMERICAN CHEMICAL SOCIETY

JANUARY MEETING NOTICE

SCIENCE MUSEUM OF VIRGINIA

Richmond, Virginia

Friday, January 21, 2005

SOCIAL HOUR: **6:00 p.m.**
R. F. & P. Forum
Science Museum
2500 W. Broad Street

DINNER: **6:30 p.m.**
R. F. & P. Forum

PROGRAM: **7:15 p.m.**
R. F. & P. Forum

MENU: Winter Salad Greens with Choice of Dressing, Pepper Steak, Fried Rice,
Green Beans with Pancetta, Turnover Rolls, Chocolate Pecan Pie,
Orange Ambrosia Parfait, Iced Tea and Coffee

PRICE: Members/Guests - \$15.00; Students, High School Teachers/Spouses,
Retired ACS Members/Spouses, Retired Teachers/ Spouses - \$8.00

DINNER RESERVATIONS: Please make reservations for the dinner by **NOON on Tuesday,**
January 18 by calling (804) 257-5615 or by e-mail to
dneseonu@vuu.edu. Please honor your dinner reservations!

HOST: Dr. Dorothy Eseonu, (804) 257-5615

SPEAKER: **Dr. Attila E. Pavlath**

TOPIC: **“Edible Coatings on Food, or How to Keep Fruits
and Vegetables Fresh after Light Processing”**

JANUARY 2005

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DR. ATTILA E. PAVLATH

Dr. Attila E. Pavlath received his education at the Technical University of Budapest in Hungary, where he became an assistant professor. In 1956, he left Hungary, first for Montreal, Canada (McGill University), then, in 1958, he joined the Stauffer Chemical Company in Richmond, California. Since 1967, he has been with the Western Regional Research Center of the U.S. Department of Agriculture in Albany, California. He is leading a group involved in research on various agricultural chemical problems. Dr. Pavlath's scientific career includes work on fluorine chemistry (30+ years), glow discharge chemistry (10+ years), textile chemistry (10 years), energy and biomass research (10 years) and, most recently, on the freshness in fruits and vegetables. He has published almost 100 scientific papers on these subjects and has presented numerous lectures in the U.S. and abroad. He also holds 20-25 patents. Dr. Pavlath is also well-known for his activities in the ACS during the past 20 years to make the ACS more responsive to the professional needs of its members. He served as president of the American Chemical Society in 2002.



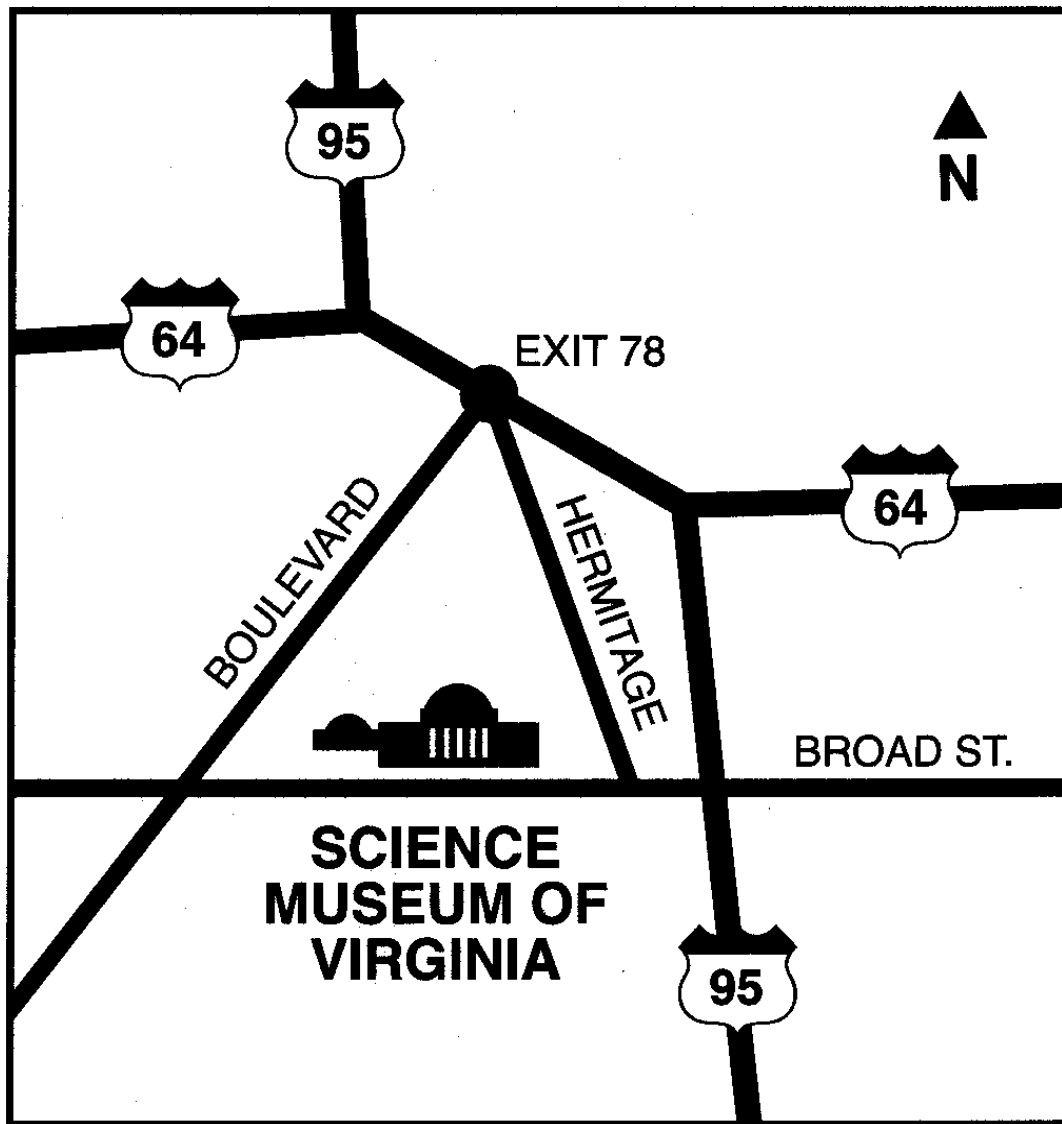
EDIBLE COATINGS ON FOOD

Various fruits and vegetables need to be pared, cored, and/or sliced before consumption, but such light processing deprives the commodity of its natural protection against dehydration and discoloration. Such processed agricultural products must be used immediately after processing or protected by refrigeration and/or special atmosphere storage. A new approach has been found to coat fruits and vegetables after processing with an edible film that protects against undesirable changes, keeps the produce fresh, and allows its consumption without the removal of the coating. An emulsion of proteins, carbohydrates, and waxes is used to create a thin coating on the surface of the processed fruits and vegetables. This coating is tasteless and nearly invisible. When applied to pieces of apple, pear, and zucchini, no dehydration and discoloration were evident for up to five days. The lecture will describe various combinations of the components and pinpoint future directions.

Happy New Year!



MAP AND DIRECTIONS



The Science Museum of Virginia is located in mid-town Richmond, Virginia, at 2500 West Broad Street in the historic Broad Street Station designed by renowned architect John Russell Pope. The Science Museum of Virginia is easily reached via Interstate 95 and Interstate 64.

From the north or west: Take I-95 South or I-64 East to Richmond (I-95 and I-64 run together through Richmond). From I-95, take the Boulevard exit (# 78), bear right onto Boulevard. Take Boulevard to West Broad Street (US 250) (4th traffic light). Turn left onto West Broad Street and go two blocks. The Science Museum is on your left.

From the south or east: Take I-95 North or I-64 West to Richmond (I-95 and I-64 run together through Richmond). From I-95, take the Boulevard exit (# 78) and bear left onto Hermitage Rd. Take Hermitage south for 1.3 miles to West Broad Street (US 250). Turn right onto West Broad St. and proceed for one half mile. The Science Museum is on your right.

There is ample free parking adjacent to the museum.

***** VIRGINIA SECTION NEWS *******FUTURE MEETINGS**

DATE: **February 18, 2005**
LOCATION: University of Richmond
Richmond, Virginia
HOST: Dr. John Gupton
PHONE: (804) 289-8249
SPEAKER: Dr. Charles Liotta
TOPIC "Green Chemistry"

(POWELL LECTURESHIP)

DATE: **March 24, 2005**
LOCATION: Longwood College
Farmville, Virginia
HOST: Dr. Melissa Rhoten
PHONE: (434) 395-2636

DATE: **April 21, 2005**
LOCATION: University of Virginia
Charlottesville, Virginia
HOST: Dr. James Demas
PHONE: (434) 924-3343
SPEAKER: Dr. Eugene Stevens
TOPIC: "Green Plastics"

 **STUDENT POSTER SESSION**

EXECUTIVE COMMITTEE MEETING

The Virginia Section Executive Committee will meet at 9:00 a.m. on Saturday, January 22 at the Parham Road Campus of J. Sargeant Reynolds Community College, 1701 East Parham Road in Richmond. The Meeting will be in The Gallery, Room 101 of Building B. Light refreshments will be served at 8:30 a.m. See the Section website for full directions and the meeting agenda: <http://membership.acs.org/V/VA/>. Additional information on the Executive Committee and on the meeting can be obtained from the incoming Section Chair, Dr. Joseph Pompano, (804) 698-7219; jpompano@ptb.boehringer-ingelheim.com. Members of the Section are invited to attend the meeting.

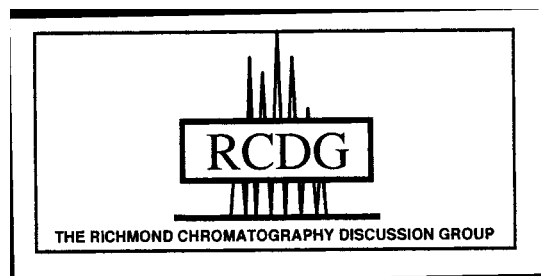
ACTIVITIES AT THE SCIENCE MUSEUM OF VIRGINIA

The January 21 meeting of the Virginia Section will be held at the Science Museum of Virginia, 2500 West Broad Street in Richmond. You may want to come early to enjoy some of the activities available at the Museum (see below for an account of the Science Museum). The wide range of science exhibits will be open until 5:00 p.m. There are two IMAX films scheduled in the Ethyl Theater. **Bugs!** will be shown at 11:00 a.m., 2:00 p.m., and 5:00 p.m. **Forces of Nature** will be shown at 12:00 noon and at 3:00 p.m. There will also be planetarium shows in the Ethyl Theater. Admission to the Museum for the exhibits only is \$8.50 (\$8.00 for youths 4-12). The fee for an IMAX show is \$8.50. There are also combination tickets.

On January 21, the Museum and the Richmond Astronomical Society hold their monthly **Sky Watch** observing session. Telescopes will be set up on the lawn of the Museum for visitors to view the prominent objects of the night sky. There is no charge for the **Sky Watch** program which operates from 6:00 until 11:00 p.m. Stop by after the ACS program to check out the heavens. You can obtain more information on **Sky Watch** and get 24-hr recorded sky information by calling the **Sky Watch** hotline: dial (804) 864-1400 and select **Sky Watch** information.

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>.



REPORT ON THE NOVEMBER SECTION MEETING

On November 12, 2004, a standing-room only crowd of over 100 persons heard Dr. Joe A. Vinson of the University of Scranton speak on the "Chemistry and Biochemistry of Chocolate: A Guilt-Free Food." The Virginia Section meeting was held in the Jepson Science Center at the University of Mary Washington in Fredericksburg. Dr. Vinson was introduced by Ms. Joanna Adams, a senior chemistry major at Mary Washington and president of their student affiliate chapter. Dr. Vinson provided samples of the subject of his interesting talk. Everyone left the meeting vowing to improve their health by eating more chocolate (especially dark chocolate). Thanks to Dr. Roy Gratz and his colleagues and students at the University of Mary Washington for organizing and hosting this excellent meeting.

WORDS OF WISDOM FOR JANUARY: *"Nothing In Life Is To Be Feared, It Is Only To Be Understood"*

REPORT ON THE DECEMBER SECTION MEETING

The December 2004 meeting of the Virginia Section was held on Friday, December 3 at Randolph-Macon College in Ashland. A full auditorium of over 100 persons enjoyed an "Evening of Chemical Diversions" presented by Dr. Brian Moores and Dr. John Thoburn, Chemistry Department faculty members at Randolph-Macon College. Their demonstrations and other "diversions" both entertained and enlightened the audience which included a large contingent of students from Stafford County. The presenters were introduced by Mr. Caleb Strepka, a senior chemistry major at Randolph-Macon. Special thanks to Professors April Marchetti, Brian Moores, and John Thoburn of Randolph-Macon College for arranging this outstanding meeting.

Awards were presented to two outstanding science teachers from the Virginia Section. Section Chair Wayne Rose presented the 2004 award for Distinguished Service in the Teaching of Chemistry to Mrs. Pamela Gentry who teaches chemistry at Atlee High School in Hanover County. The 2004 award for Distinguished Service in the Teaching of Middle School Science went to Mr. George Fohl, Jr., who teaches physical science at the N.B. Clements Junior High School in Prince George County. Mr. Fohl was introduced by Peter Fisher, Principal of Clements Junior High School. Each of the award recipients received a plaque and a check for \$300. This year's teacher awards were sponsored by Boehringer Ingelheim Chemicals, Inc. Section Chair Wayne Rose also recognized four past recipients of the Chemistry Teaching Award who attended the meeting: Thomas Earles (1982), William Rademaker (1988), Christy Thomas (1997), and Joy Ross (2001).

Dr. Ann Sullivan, Coordinator of the 2004 Chemistry Olympiad for the Virginia Section, presented awards to teachers from several schools. Team awards were given to Roger Bolland, Matt Peck, and Amanda Beckrich of St. Stephen's and St. Agnes' School and to Joy Ross of the Maggie Walker Governor's School.

STUDENT AFFILIATE CHAPTERS RECOGNIZED

The ACS Society Committee on Education has recognized several student affiliate chapters from the Virginia Section. These schools received **commendable** awards for the 2003-04 academic year:

- ◇ **James Madison University** – Jenny Rudnick, Chapter President; Scott Lewis and Barbara Reisner, Faculty Advisers
- ◇ **Longwood University** – Stephanie Thomas, Chapter President; Melissa Rhoten, Faculty Adviser

Forty-seven chapters across the nation received commendable awards.

Two Virginia Section chapters were among the 91 that received **honorable mention** awards:

- **Bridgewater College** – Will Schutt, Chapter President; Ellen Mitchell, Faculty Adviser
- **Mary Washington College** (now the University of Mary Washington) – Elizabeth Griffiths, Chapter President; Leanna Giancarlo, Faculty Adviser

VIRGINIA SECTION OFFICERS FOR 2005

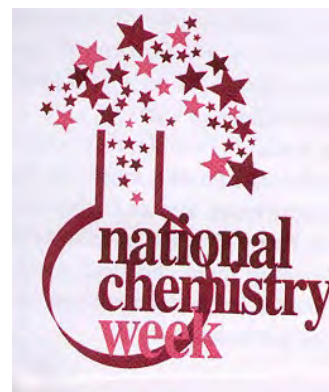
CHAIR:	Dr. Joseph M. Pompano Boehringer Ingelheim Chemicals 800 E. Leigh Street Richmond, VA 23219 e-mail: jpompano @ ptb.boehringer-ingelheim.com	(804) 698-7219 FAX: (804) 504-8883
CHAIR-ELECT:	Dr. Dorothy Eseonu Department of Natural Science Virginia Union University Richmond, VA 23220	(804) 257-5615 FAX: (804) 354-5928 e-mail: deseonu @ vuu.edu
VICE CHAIR:	Dr. Will H. Lewis, Jr. Philip Morris, USA P. O. Box 26603 Richmond, VA 23261	(804) 274-5869 FAX: (804) 274-5426 e-mail: will.h.lewis @ pmusa.com
SECRETARY:	Mr. Charles E. (Trey) Gregory III 7817 Curtisdale Road Richmond, VA 23231 e-mail: Cgregory @ ptb.boehringer-ingelheim.com	(804) 504-8840 FAX: (804) 504-8871
TREASURER:	Dr. Will H. Lewis, Jr. Philip Morris, USA P. O. Box 26603 Richmond, VA 23261	(804) 274-5869 FAX: (804) 274-5426 e-mail: will.h.lewis @ pmusa.com

NATIONAL CHEMISTRY WEEK 2004

The Virginia Section participated in the National Chemistry Week with activities at the Science Museum of Virginia in Richmond on October 21-23, 2004. Over 1600 persons visited the NCW tables with many participating in some of the hands-on activities. These included "Slime" (making a fun polymer), "Chromatography" (separating various dyes), "Oobleck" (exploring a non-Newtonian fluid), "POP" (properties of gases), "Amazing Water" (surface tension), and "Bobbing Raisins" (gases, liquids, and solids).

The activities were coordinated by Heather Campbell of the Science Museum. She was assisted by a large group of volunteers, including

- ☆ Mary Francis Hobbs and 18 of her chemistry students from Huguenot High School;
- ☆ Lucy Duah-Williams and 23 of her students from the Governor's School in Alberta;
- ☆ Twelve Science Museum teen volunteers;



- ☆ Stephanie Mabry, Tom Earles (who demonstrated his amazing “glowing slime”), Celissa Lovett (VCU work-study student), and Laurel Brent (from the Chemical Education Foundation in Arlington).

Darryl Sneden and Peggy Truett demonstrated natural and chemical dyeing processes on fibers and showed visitors the appearance of different fibers under a microscope. They had many samples to touch and a wonderful display.



Heather Campbell helping visitors with activities



Stephanie Mabry and Heather Campbell



Darryl Sneden dyeing fabrics

THE CHAIR'S CORNER

Dear Colleagues,

Happy New Year! First of all, I would like to thank Wayne Rose, the Chair of the Virginia Section, for 2004 for a job well done. I appreciate all the help he has given to me in preparation for the upcoming year. The local section ended last year with a wonderful meeting at Randolph-Macon College, where we honored our High School Distinguished Teacher of the Year, Pamela Gentry from Atlee High School in Hanover County, and Middle School Distinguished Science Teacher of the Year, George Fohl, from N. B. Clements Jr. High in Prince George County. We were also treated to a wonderful “Evening of Chemical Diversions” by Dr. John D. Thoburn and Dr. Brian W. Moores. Many high school students were in attendance and all enjoyed the entire evening.



Now it is time for us to focus on the new year. We already have meetings planned through the end of 2005 and I hope many of you who have never attended one of our functions will find the time to enjoy fellowship and a good meal with your fellow chemists. Over the next four months we have something for everyone. We need local section member participation to make these events as successful as possible. In January, we will be meeting in Richmond, at the Science Museum of Virginia, where Dr. Attila Pavlath, a former National ACS President, will speak about edible coatings on fruits and vegetables.

In February, the University of Richmond presents its annual Alan Powell Lecture; this year's topic is Green Chemistry presented by Dr. Charles Liotta. In March, we will be at Longwood College and in April, we will have our traditional UNDERGRADUATE STUDENT POSTER SESSION and Dr. Eugene Stevens speaking about "Green Plastics"

As the incoming Section Chair, I would especially like to thank Dr. Will Lewis, who is doing double duty this year as the Vice-Chair and Treasurer (for a second time). I also want to welcome our new Minority Affairs Chair, Pam Artis, and I encourage increased participation in section activities by all under-represented groups, including minorities, women, and younger members.

I urge you to contact me with recommendations of speakers, events and activities for the coming years. Also, please visit our website: <http://membership.acs.org/V/VA/> for the latest information about the Virginia Section.

Hope to hear from you soon,

Joe Pompano
Section Chair for 2005
jpompano@bichemicals.com

QUESTION FROM THE PAST

This question was asked in the December Bulletin: The speaker at a November meeting of the Section, held in Richmond, was Dr. N. Howell Furman, President of the American Chemical Society, who spoke on "Advances in Electrochemical Methods of Analysis." Dr. Furman's visit was described as "a stimulating one in every way," and the meeting was touted as the "highlight of the year." **What year was that?** The date was November 9, 1951. The meeting was held in the Baruch Auditorium at the Medical College of Virginia in Richmond. The meeting was preceded by a dinner in the Winter Garden of the Richmond Hotel. The cost of the dinner was \$2.00. In 1951, ACS celebrated its 75th anniversary. A plaque was dedicated at New York University at the site where the Society was founded in 1876. President Furman is shown in this photograph of the dedication ceremony.



New question: Shown here is the logo for a product produced at a Richmond company. This was part of their advertisement in a 1952 issue of the Bulletin. **What was the company and where were they located?**



Over 400,000 persons visit the Science Museum of Virginia every year. The Museum contains hundreds of permanent hands-on exhibits designed to encourage visitors of all ages to experiment, learn, explore and delve into scientific concepts. In addition to these permanent exhibits, frequent traveling exhibits and exhibit prototypes visit the Science Museum of Virginia. Permanent exhibits focus on the following subjects: aerospace, chemistry, computers, electricity, life sciences, telecommunications, crystals, and physics. Each gallery exhibit offers the chance to experience science in action. You can touch, test, investigate and learn. Gallery educators and Science Museum volunteers are available to field questions or suggest related exhibits. Breathtaking wide angle, 70mm films on a wide variety of topics are presented inside the dome of the Ethyl Corporation IMAX®DOME using the Omnimax® projection system. Planetarium shows are also presented in the theater.

Here are a few special Museum activities that are scheduled for winter and spring:

Mini-Medical School

The Mini-Medical School presents the Richmond community with relevant, cutting-edge research in medicine in a relaxed, yet highly informative, setting. Sessions meet in the IMAX®DOME Wednesdays at 7 p.m.

Winter 2005 Term

“Diseases of the Nervous System” - Feb. 2, 9, 16, 23, March 2 and 9, 2005

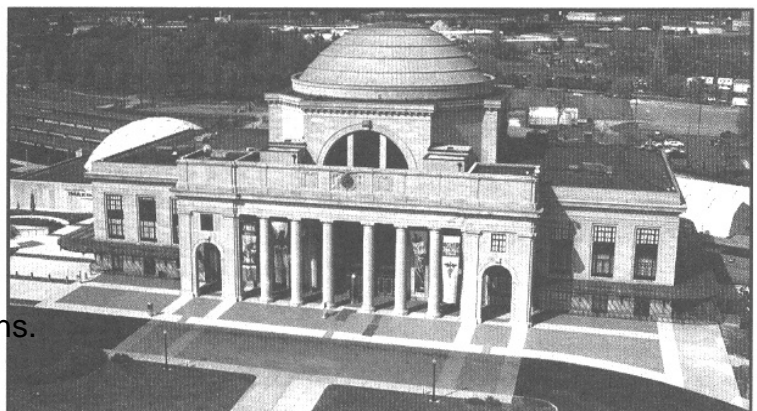
Fee: \$15 per semester or \$5 per lecture (\$10 per semester/\$3 per lecture for Science Museum of Virginia members and students age 18 and under).

The Mini-Medical School is sponsored by the Science Museum of Virginia and Virginia Commonwealth University.

Lunch Break Science

Pack a lunch and join us for the newest in our series of life-long learning programs: Wednesdays Noon-1 p.m. Discovery Room FREE!

Science Museum of Virginia scientists and others share easy to understand information on a wide range of fascinating science topics. Discussions follow presentations. Lunch Break Science is recommended for adults. Pre-registration not required. Please provide your own lunch. Beverages available to purchase.



Outstanding Scientist and Industrialist Awards

The Outstanding Scientist Award honors those scientists who, through their research and commitment to science, have made a recent contribution to basic scientific research, which extends the boundaries of any field of science. This contribution should be easily recognizable as a definite advance of knowledge or a significant technological development. The Outstanding Industrialist Award is presented to the leaders of Virginia's industrial and technological communities who have made a distinct contribution to a business or industry, which advanced development through the innovative use of science or technology. Nominees must have a meaningful tie to Virginia, either through birth, work and/or the effect of that work on Virginia. In addition to the annual awards presented to an outstanding scientist and industrialist, an individual may be honored for a lifetime of achievement. The Life Achievement award is not offered annually, but at the discretion of the selection panels. These awards reinforce, underscore and broadcast the commonwealth's commitment to and recognition of the importance of the role of science and technology to improve the world. Winners are introduced to the General Assembly during February, when the awards are publicly announced. A black-tie banquet and awards program is held in early spring.

Volunteer Opportunities at the Science Museum of Virginia

If you enjoy sharing the excitement of science and technology with others, the Science Museum of Virginia's volunteer program is for you. As a volunteer, you have the opportunity to assist others as they experience "hands on" science exhibits, awesome IMAX® DOME films, and dynamic science demonstrations. Volunteers are a part of every area of museum operation. Providing information to guests, assisting Science 4 Science guests, seating Ethyl IMAX®DOME & Planetarium guests, offering clerical assistance, and repairing exhibits are some of the many ways you can contribute to the museum. The Virginia Aviation Museum features historic aircraft from the Golden Age of Aviation. Volunteers lead educational tours, explain the principles of aviation and assist guests at the museum store. You'll soar to new heights as a Virginia Aviation Museum volunteer! To become a part of this outstanding group of volunteers, contact Beth Voelkel at (804) 864-1400, ext. 1511, or complete an application on-line at smv.org. Help bring the excitement of science to life at the Science Museum of Virginia!



2005 CHEMISTRY OLYMPIAD

The Virginia Section will host the 2005 Chemistry Olympiad for all high school chemistry teachers and students interested in participating. The Local Section competition will begin on Saturday, March 5 and end Saturday, March 26, 2005. There will be two options for the participants with several Virginia colleges hosting the competition, or individual high school teachers can make arrangements within their schools to provide secure testing sites. The deadline for applications will be February 27, 2005. Test sites include the University of Virginia (March 5), the University of Richmond (March 5), Mary Baldwin College (March 5), Randolph-Macon College (March 12), the University of Mary Washington (March 12), James Madison University (March 19), Longwood University (March 19), John Tyler Community College (March 19), the Manassas Campus of Northern Virginia Community College (March 26), the Christanna Campus of Southside Virginia

Community College (March 26), and Virginia Commonwealth University (March 26). Full information on the Olympiad and registration forms can be found on the Virginia Section Chemistry Olympiad website: <http://membership.acs.org/V/VA/olympiad/default.htm>. Dr. Ann M. Sullivan is the Chair of the Virginia Section Olympiad Committee.

The students who do well in the Local competition will be nominated to compete in the National competition hosted at J. Sargeant Reynolds Community College in Richmond, Virginia on April 16. These students will compete for 20 positions in the study camp at the US Air Force Academy in Colorado. The five member International Chemistry Olympiad (IChO) team will be chosen from these 20 students to compete in the IChO. This year the 37th International Chemistry Olympiad competition will be held in Taipei, Taiwan on July 16 - 25, 2005.

For complete information and registration materials complete the form below and return it to Dr. Ann Sullivan, Mathematics and Science, Downtown Campus, J. Sargeant Reynolds Community College, P. O. Box 85622, Richmond, VA 23285-5622; (804) 862-4260 or (804) 721-4986; FAX: (804) 732-6077; e-mail: asullivan@jsr.vccs.edu.

REQUEST FOR 2005 CHEMISTRY OLYMPIAD INFORMATION

Please send me the 2005 American Chemical Society Olympiad information and registration materials:

Contact Person _____

Title _____

High School _____

Address _____

City _____ **State** _____ **Zip** _____

School Telephone () _____

FAX: () _____ **e-mail:** _____

Fax this form to (804) 732-6077 or mail it to Dr. Ann M. Sullivan at the address given above.

**COMMONWEALTH GRADUATE ENGINEERING PROGRAM
TELEVISED GRADUATE ENGINEERING CLASSES
SPRING 2005 SEMESTER**

A variety of graduate courses in engineering will be offered by the Commonwealth Graduate Engineering Program. Courses in computer science will be included for the Spring Semester. Classes, which are offered through Old Dominion University, the University of Virginia, Virginia Tech, and Virginia Commonwealth University, begin in mid-January.

FOR INFORMATION AND A SCHEDULE OF CLASSES CONTACT:

Ann Yates
Virginia Commonwealth University - School of Engineering
Commonwealth Graduate Engineering Program
601 West Main Street, Room 304,
P. O. Box 842009
Richmond, Virginia 23284-2009
Phone: (804) 828-0266
Fax: (804) 827-7017
E-mail Address: eayates@vcu.edu

BOEHRINGER INGELHEIM CHEMICALS, INC.

The Virginia Section's 2004 Distinguished Service Award for High School Chemistry Teaching and the Distinguished Service Award for Middle School Science Teaching were sponsored by Boehringer Ingelheim Chemicals, Inc. They sponsored the 2003 teacher awards as well.



Boehringer Ingelheim was founded in Ingelheim am Rhein, Germany, in 1885. The Boehringer Ingelheim group of companies is privately-held and currently has over 152 affiliated companies spread around the globe. The company manufactures and markets human pharmaceuticals (prescription medicines and consumer health products) and products for industrial customers (like chemicals and biopharmaceuticals) and animal health. Boehringer Ingelheim is committed to being one of the most innovative research, development, and distribution group of companies in the world, providing products that significantly enhance health and quality of life. The company has nearly 34,000 employees worldwide with over 6,000 employees in the United States. Some of its best-selling products are Flomax®, Combivent®, Atrovent®, Mobic®, Catapres®, Dulcolax®, Viramune®, Micardis® and Spiriva®.

Boehringer Ingelheim Chemicals, Inc. is an affiliated company that produces Active Pharmaceutical Ingredients (API's) for the pharmaceutical industry. Boehringer Ingelheim Chemicals, Inc. is located in Petersburg, Virginia on a site covering 800,000 m². The main production plant is equipped with 18 reactors and is in operation 7 days per week, 365 days per year. Manufacturing facilities include one multi-purpose batch organic chemical production facility, a hydrogenation plant, and a specialty production building for controlled substances and high-potency compounds. Reactor capacity has doubled recently and additional expansion is planned. The Petersburg facility produces products for both the pharmaceutical industry and for Boehringer Ingelheim's captive use. Capacity is available for custom manufacturing of APIs and intermediates.

Boehringer Ingelheim Chemicals, Inc. makes active ingredients for pharmaceuticals that are used around the world to improve the quality of people's lives. The recent expansion of the Petersburg facility provides more opportunities to improve the lives of those who benefit from these products. For more information on Boehringer Ingelheim, visit their website: www.boehringer-ingelheim.com.

VIRGINIA ACADEMY OF SCIENCE MEETING

The 83rd Virginia Academy of Sciences Meeting will be held at James Madison University in Harrisonburg on May 19-20, 2005. For more information, contact Jerry Bass, Executive Officer; OFFICE: 804-864-1451; E-MAIL: jbass@smv.org or check the Academy's website: vas@smv.org

Virginia Academy of Science
Science Museum of Virginia
2500 West Broad Street
Richmond, Virginia 23220

NEW MEMBERS OF THE VIRGINIA SECTION

We welcome these new members of the Virginia Section:

DONALD S ACKER
WESLEY B ATKINS
RALPH BLOOM JR
DUSAN BRATKO
MARY LOU DANIEL
GARY LEE DAVIS
DAVID A DELAFUENTE
KATHLEEN LOWRY EAVES
COREY GILBERT
EDWARD HANSON
KENNETH JOSEPH HENZ
JAMES A KAESER
DAVID A KORT
JEAN M LEWIS
BERNARD MANNING
KIM E MOONEY
MATTHEW S NEWKIRK
HARRY W PETERSON JR
DAN RALSTON
SANDY I SALIDO
PATRICK SCHWARZ
DEBORAH KAY SHAVER
RONALD D SNELLING
MARIAN K STANLEY
TERRY OSCAR TRASK
BRUCE WAYMACK
DIANE KEITH WILLIAMS
JUNG W WOO

QINGHONG FU ADKINS
CHRISTOPHER J BECKER
DANAIL GEORGIEV BONCHEV
JEFFREY H BRILL
ELIZA L DAVIS
PHILLIP WAYNE DEFIBAUGH
JANET M DOYLE
REBECCA P FLEMING
DAVID ELWOOD GUSHEE
THOMAS M HARRIS
EDWIN O HOOK
TOMIKE A KEUTEYI
TOMIKE A KUTEYI
JOSEPH H LIPPOLD JR
ROBERT E MARUCA
SHELLEY MURPHY
ANDREW WILLIAM ORAVETZ JR
RICHARD KENNETH PETRIE
SCOTT RAMSEY
ROBERT SCHEFFEE
JAY SHAH
ROBERT GALE SHAVER
DAVID WHITFORD SQUIRE
DAVID WAYNE STAUBS
PERTTI J VISKARI
KEVIN D WELCH
CHRISTOPHER WOHL
PREM YADAV

STEVEN ANDERSON
ROBERT SHIERSON BENNER
TIMOTHY L BORN
THOMAS GRANVILLE CARVER
JAMES G DAVIS
JEFFREY LEE DEHART
THOMAS DRISCOLL
PETER S FRANCIS
MELISSA ANN HANSON
CONSTANCE M HARRIS
VICKI R HURT
ROY H KISSINGER
KATHRYN AELINE LAYMAN
BERNARD ALBERT MALO
TRAVIS C MICKLE
ROBERT S NELSON
SHAJUANA I PAYNE
R CYNTHIA PRUETT
DAVID D RYDER
PAUL MICHAEL SCHNEIDER
CHARLES MAXWELL SHARPLESS
DONALD SIKAZWE
WILLIAM E STANCLIFT
MICHAEL A TODD
FRANK E WALWORTH
JAMES DELOS WILLETT
NGAI M WONG

PHOTOS FROM THE DECEMBER 3 SECTION MEETING



Section Chair Wayne Rose with Pamela Gentry and George Fohl, Jr.



Dr. Brian Moores, Dr. John Thoburn



Virginia Section Chemistry Teacher Award recipients Christy Thomas, William Rademaker, Pamela Gentry, Thomas Earles, Joy Ross



Chemistry Olympiad Award winners Roger Bolland, Amanda Beckrich, Matt Peck, Joy Ross



Dr. John Thoburg pours liquid nitrogen



Caleb Strepka, RMC chemistry student



Peter Fisher, Principal of Clements Junior High with George Fohl

THE BULLETIN

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Richmond, VA 23220

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<http://membership.acs.org/V/VA/>

OFFICERS OF THE VIRGINIA SECTION OF THE ACS

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Chair-Elect - Dr. Dorothy Eseonu (804) 257-5615

Secretary - Mr. Charles Edwin

Vice Chair - Dr. Will Lewis (804) 274-5869

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CAN YOU IDENTIFY THIS PERSON?

The photograph is from 1958 when the subject was a Professor of Chemistry at the University of Texas. He spoke at the February 7, 1958 meeting of the Virginia Section, held at the Lakewood Supper Club in Hopewell. His topic was "Mechanism of Corrosion Inhibition." He holds a Ph.D. from Johns Hopkins University and held faculty positions at Loyola College in Baltimore and at Virginia Polytechnic Institute before joining the chemistry staff at the University of Texas. He served as president of Rice University from 1970 to 1985 and is now Professor Emeritus at the University of Texas in Austin. The Welch Foundation sponsors a \$100,000 award in chemical research that is named in his honor. He returned to the Virginia Section in November, 2000 when he spoke at Mary Washington College on "Corrosion and Its Control."



The "mystery person" in the December, 2004 Bulletin was Phyllis James. Phyllis was the Chair of the Virginia Section in 2001. She is a Supervisor at Wyeth Pharmaceuticals and is the Chair of the Section's Hospitality Committee. If you renewed your ACS membership recently, you may have seen her picture in one of the national ACS publicity publications that was enclosed with your membership card.