



The Bulletin
of the
Virginia Section
AMERICAN CHEMICAL SOCIETY

MARCH MEETING NOTICE

**Longwood University
Farmville, Virginia**

Thursday, March 24, 2005

SOCIAL HOUR: 6:00 p.m.
The Nance Room
Dorrill Dining Hall

DINNER: 6:30 p.m.
The Nance Room
Dorrill Dining Hall

PROGRAM: 7:30 p.m.
Auditorium, Hull Education Building

MENU: Garden Salad with choice of dressing, Chicken Cordon Bleu (Virginia Style), Wild and Long Grain Rice, Whole Green Beans, Dinner Rolls, Coffee, Tea, and Chocolate Cream Pie (please indicate any special dietary requirements at time of reservation)

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

DINNER Please make reservations for the dinner by **NOON on Monday, March 21** by contacting Dr. Melissa Rhoten at the Department of Natural Sciences at Longwood University: rhotenmc @ longwood.edu; (434) 395-2636 (e-mail is preferred). Please honor your dinner reservations!

HOST: Dr. Melissa Rhoten, (434) 395-2636

SPEAKER: **Dr. Fred Hawkrige, Virginia Commonwealth University**

TOPIC: **“Applications of Oxidase Modified Electrodes”**

MARCH 2005

S	M	T	W	T	F	S
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6	7	8	9	10	11	12
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20	21	22	23	24	25	26
	<i>reservations</i>			<i>meeting</i>		
27	28	29	30	31		

Dr. Fred Hawkrige



Dr. Fred Hawkrige received his B.S. in chemistry from the University of Georgia in 1966 and his Ph.D. in analytical chemistry from the University of Kentucky in 1971. He was a postdoctoral fellow in Professor Theodore Kuwana's laboratory at Case Western Reserve University and the Ohio State University from 1971-1972. In 1972, Fred accepted an assistant professorship at the University of Southern Mississippi. In 1976 he joined the faculty in the Department of Chemistry at Virginia Commonwealth University where he is currently chairman. Fred is distinguished in service as evidenced by the numerous offices that he has held. He has served as a Program Officer in the Analytical and Surface Chemistry Division at the National Science Foundation, the U.S. Editor of *Mikrochimica Acta*, Treasurer of the Analytical Division of the American Chemical Society, member of the Board of Directors for the Society of Electroanalytical Chemistry, chair of the Organic and Biological Division of The Electroanalytical Society, and member of the editorial board for the *Journal of Electroanalytical Chemistry*. Fred received an honorary Ph.D. degree from St. Petersburg University, Russia, in 1993, the Benedetti Pichler Award from the American Microchemical Society in 2002, and the ACS Division of Analytical Chemistry Award for Distinguished Service in the Advancement of Analytical Chemistry in 2003.

Dr. Hawkrige's research involves studies of the electron transfer and ligand binding reactions of heme proteins found in mammalian organisms. Of particular interest is the cytochrome c reductase, cytochrome c, cytochrome c oxidase and dioxygen sequence of oxidative phosphorylation. One innovative and novel method developed in Fred's lab combines simple self-assembly chemistry with a dialysis process to yield an active enzyme immobilized on the surface of an electrode. The electrode environment (lipid bilayer) mimics the native configuration of the enzyme and allows direct communication between the enzyme and the electrode. This makes it possible to characterize the electron transfer reactions of the enzyme.

Applications of Oxidase Modified Electrodes

The reactions of cytochrome c oxidases from both mammalian (bovine) and yeast (*B. stearothermophilus*) sources immobilized in electrode supported bilayer membranes have been studied and compared. The electron transfer reactions of these cytochrome c oxidases occur directly at the electrochemical quartz crystal electrodes upon which the bilayer membrane is constructed. The electron transfer reactions of reduced cytochrome c are coupled to the immobilized cytochrome c oxidase and can be probed under flow injection conditions. Both cytochrome c oxidases exhibit redox reactions with reduced cytochrome c under flow injection conditions that are non-hyperbolic and consistent literature properties of these enzymes *in vitro*. The Michaelis binding constant was found to be about 10^{-6} M and 120^{-6} M in the low and high affinity kinetic regimes, respectively.

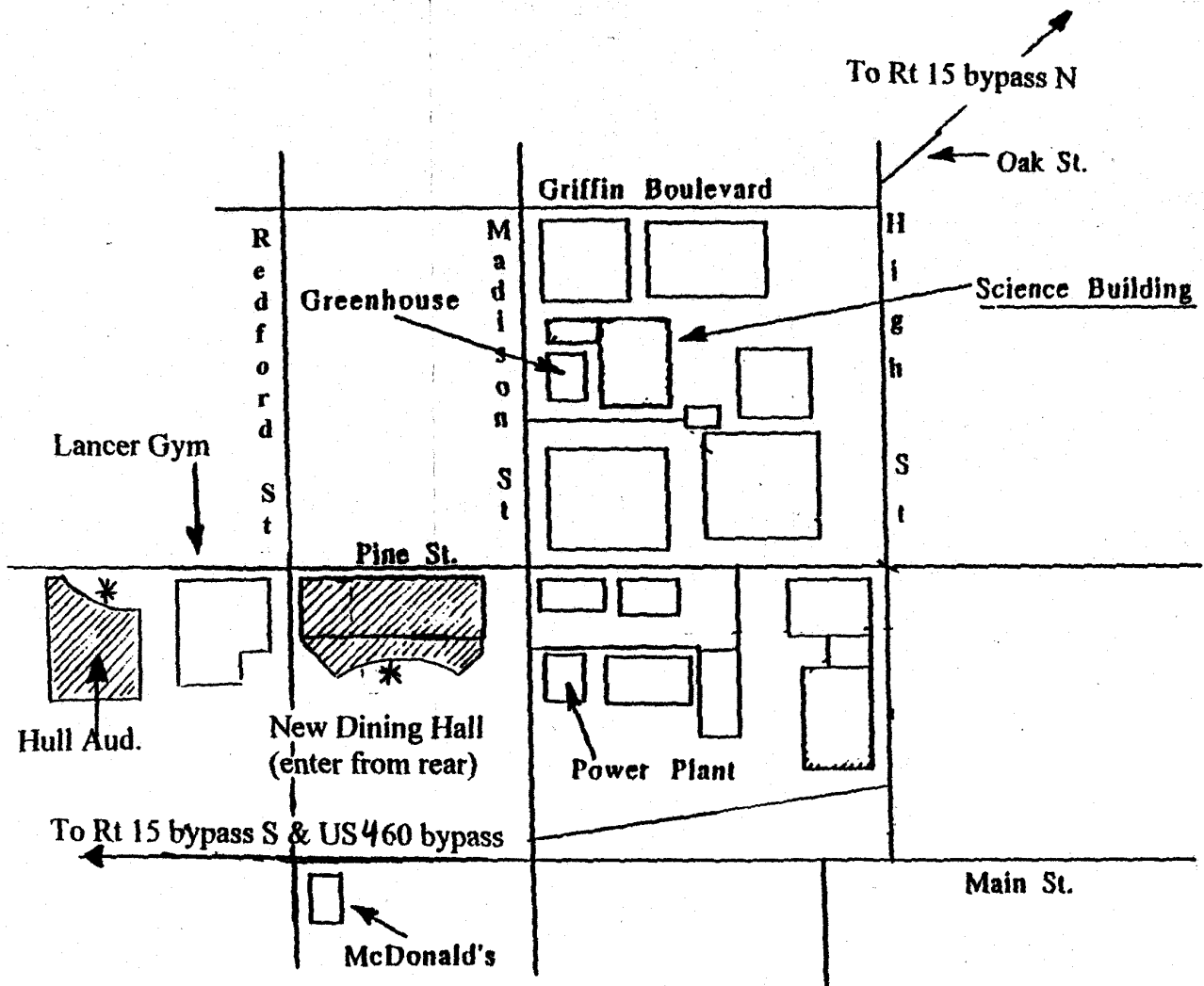
Catalytic oxygen reduction and the oxidation of ferrocyanide were inhibited upon cyanide binding to the oxidase. Cyanide binding was found to be reversible and exhibited 1:1 stoichiometry. Binding constants (K_b) were determined for binding of cyanide to the reduced (62^{-6} M) and oxidized (195^{-6} M) forms of the oxidase. The current responses obtained at these electrodes are stable over a period of 10 -14 days. The CCO-modified electrodes described here could potentially be used for the direct electroreduction of oxygen in a biofuel cell or as an amperometric biosensor for cyanide detection.

DIRECTIONS

From Richmond and points north and east: follow U.S. 360 West approximately 35 miles to State Route 307; go about 9 miles on Rt. 307 to U.S. 460 West; take the first Farmville exit (460 Bus.); at the fourth stoplight, make a left on to Main Street; at the next light, make a right on to High Street; at the next light, make a left on to Griffin Blvd.; take the next left on to Madison St. Park on Madison Street or turn left into the Jarmon parking lot.

From the south: Cross the U.S. 460-15 by-pass and stay on U.S. 15 Bus. (Main Street). Drive north about 2 miles. Follow the signs to Longwood University. Turn left on to Madison Street to reach the Dorrill Dining Hall. Park on Madison Street or turn left into the Jarmon parking lot.

From the west: Exit U.S. 460 on U.S. 15 Bus. Drive east to Farmville. Bus. 15 turns right on to Main Street; at the next light, turn right on to High Street; at the next light, make a left on to Griffin Blvd.; take the next left on to Madison St. Park on Madison Street or turn left into the Jarmon parking lot.



FUTURE MEETINGS

DATE: April 21, 2005
LOCATION: University of Virginia,
Charlottesville
HOST: Dr. James Demas
PHONE: (804) 786-3279
SPEAKER: Dr. Eugene Stevens
TOPIC: "Green Plastics"

⇒ **STUDENT POSTER SESSION**

DATE: September 23, 2005
LOCATION: Virginia Commonwealth
University, Richmond
HOST: Dr. Sally Hunnicutt
PHONE: (804) 827-0531
⇒ **ANNUAL AWARDS MEETING**

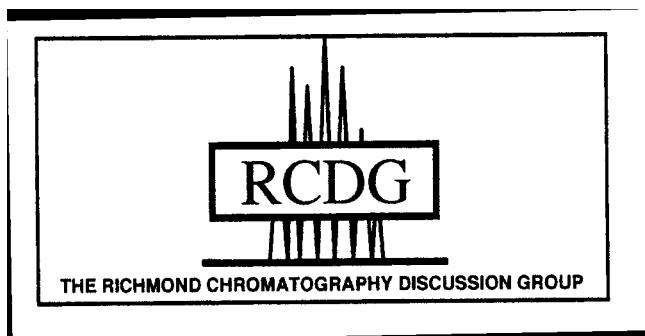
VIRGINIA ACADEMY OF SCIENCE MEETING

The 83rd Virginia Academy of Sciences Meeting will be held at James Madison University in Harrisonburg on May 18-20, 2005. For more information, contact Jerry Bass, Executive Officer: OFFICE: 804-864-1451; E-MAIL: jbass@smv.org or check the Academy's website: www.vacadsci.org. Information on papers in the Chemistry Section can be obtained from Dr. Thomas DeVore at James Madison University: (540) 568-6672, devoretc@jmu.edu.

STUDENT AFFILIATE MEETING POSTPONED

The meeting of student affiliate members of the ACS that had been tentatively scheduled for March 24 at Longwood College in Farmville has been postponed. Look for information on its rescheduling in future issues of the Bulletin.

RCDG MEETING



The Richmond Chromatography Discussion Group (RCDG) will meet at 5:30 p.m. on March 8, 2005 at the Philip Morris USA Research Center in Richmond. John Palmer, Chromatography Specialist at Agilent Technologies, will speak on "Practical Considerations for Improving Small Molecule HPLC Assay Speed: Critical Isocratic, Gradient, and Instrument Parameters." Refreshments, sponsored by Agilent Technologies, will be served after the lecture. For more information on the meeting and directions, check the RCDG website: www.rcdg.org.

FALL MEETING SCHEDULE

Friday, Sept. 23, 2005 - Virginia Commonwealth University, Richmond, ANNUAL AWARDS MEETING

Friday, Oct. 21, 2005 - Mary Baldwin College, Staunton

Friday, Nov. 18, 2005 - University of Mary Washington, Fredericksburg, Dr. John J. Meister, "Your Garbage= My Reactants: Trash Recycling"

Friday, Dec. 2, 2005 - Virginia Union University, Richmond, Dr. Kevin M. Dunn, "Caveman Chemistry: Hands-On Projects in Chemical Technology"

THE CHAIR'S CORNER

The Executive Committee of the Virginia Section held one of its semi-annual meetings on January 29, 2005. We welcomed two new Committee Chairs: Dutch Waldbauer is now Chair of the Professional Relations Committee, and Stephanie Mabry is Chair of the Entertainment Committee. Welcome aboard! The Virginia Section is also looking into hosting SERMACS in Richmond in 2009. We welcome your comments.

Chemists in the area have an opportunity to view the quality of the science projects completed by Virginia high school students at two upcoming science fairs. The 2005 Metro Richmond Science Fair will be held on March 19, 2005 at James River High School in Chesterfield and the 20th Virginia State Science and Engineering Fair will take place on April 9, 2005 at Randolph-Macon College in Ashland. While it may be too late to volunteer as judges for either fair, it will be worth your time to stop in and see the excellent work being displayed there. I have been a judge at both Fairs for several years, and I urge all who are interested to get involved with either Fair. It is an experience well worth your time.

.....Joe Pompano, Section Chair for 2005 - jpompano@bichemicals.com

QUESTIONS FROM THE PAST

This question was asked in the February Bulletin: Dr. Hubert Alyea, the famous master of chemical demonstrations, was affectionately known as "Dr. Boom." If you saw one of his demonstrations, you probably remember his illustration of the Princeton University colors as he sang the Princeton fight song. On February 8, 1952, he addressed the Virginia Section of the ACS.

Where was the meeting held and what was Dr. Alyea's topic that night? The meeting was held in the Cobb Chemical Laboratory at the University of Virginia in Charlottesville. The talk was preceded by a reception and dinner at the Hotel Albemarle (the cost was \$1.85). Dr. Alyea spoke on "Atomic Energy: Weapon for Peace." He traced the important scientific discoveries that led to the production of the atom bomb and explained how the bomb works, then described the effects of an exploding bomb and protective measures against it. H-bombs were discussed briefly. The meeting notice stated that "Throughout the talk, the various reactions will be illustrated with many chemical experiments and lecture demonstrations." We can be sure that "Dr. Boom" lived up to his name!

A new question: Dr. Attila Pavlath, former President of the American Chemical Society, addressed the Virginia Section on January 21 at the Science Museum of Virginia. Dr. Pavlath was the featured speaker at an earlier meeting of the Virginia Section. **When and where was that meeting held and what was Dr. Pavlath's topic?**

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, 304 N. Sheppard Street, Richmond, VA 23221; (804) 342-1323; warrencr @ vcu.edu. Or complete an application on-line by accessing the Virginia Section webpage at <http://membership.acs.org/VVA/grants.htm>.

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. 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/VVA/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 contact the Olympiad Coordinator, 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.

SEMINARS AT THE UNIVERSITY OF VIRGINIA

- Mar. 24 **Professor Larry Overman**, University of California, Irvine (**IRELAND LECTURE**)
- Apr. 1 **Professor Peter Stang**, University of Utah, "Nanoscale Molecular Architecture: Design and Self-assembly of Metallocyclic Polygons and Polyhedra via Coordination"
- Apr. 8 **Dr. David Kimball**, Lexicon Pharmaceuticals
- Apr. 15 **Professor Tuan Vo-Dinh**, University of Tennessee, Knoxville

Apr. 22 **Professor Richard Mathies**, University of California, Berkeley

Seminars are scheduled for 4:00 p.m. in Room 304 of the Chemistry Building. The complete colloquium schedule can be found at <http://www.virginia.edu/chem/newsandevents/seminars/>.

SEMINARS AT VIRGINIA COMMONWEALTH UNIVERSITY

Mar. 8 **Dr. Maria Oliver-Hoyo**, North Carolina State University

Mar. 10 **Dr. Cheng Lee**, University of Maryland, “Capillary and Microfluidics-Based Bionanalytical Technologies for Proteome Analysis”

Mar. 24 **Dr. Steve Watton**, Virginia Commonwealth University

Mar. 31 **Prof. Carol K. Hall**, North Carolina State University, “Computer Simulations of Protein Aggregation”

Apr. 7 **Dr. Jeff Long**, Naval Research Laboratory

Apr. 14 **Dr. Dmitry Rudkevich**, University of Texas at Arlington

April 19 **Prof. Peter B. Dervan**, California Institute of Technology. “Toward Transcriptional Therapy with Programmable DNA Binding Oligomers” (**KAPP LECTURE**)

Apr. 28 **Dr. Ken Eisenhal**, Columbia University

May 5 **Dr. Michel R. Gagne**, University of North Carolina at Chapel Hill, “Synthetic Active Sites for Transition Metal Chemistry: Feeble Attempts to Mimic Mother Nature”

Seminars are in the Kapp Lecture Hall, Room 1024, in the Mary E. Kapp Wing of Oliver Hall, 1001 West Main Street in Richmond. Refreshments at 3:45 PM, Seminars at 4:00 PM.
The public is invited.

VIRGINIA SECTION OFFICERS FOR 2005

Left to right:

Trey Gregory (Secretary)
Dorothy Eseonu (Chair Elect)
Joseph Pompano (Chair)

Not shown:

Will Lewis (Vice Chair and Treasurer)



STUDENT POSTER SESSION

The Virginia Section will hold its annual poster session at the April 21 meeting at the University of Virginia in Charlottesville. The emphasis is on student research, especially work done by undergraduates. If you have a student who wishes to present a poster, please contact Dr. James Demas at jnd@virginia.edu.

NOMINATIONS FOR AWARDS

The Virginia Section is soliciting nominations for these awards: Distinguished Service Award, Outstanding High School Chemistry Teacher Award, Outstanding Middle School Science Teacher Award, Outstanding Industrial Innovator Award. Names of candidates should be forwarded to Sheryl Baldwin or Yezdi Pithawalla, Chairs of the Awards Committee: Sheryl Baldwin, (804) 827-0606, sdbaldwin@earthlink.net; Yezdi Pithawalla, (804) 274-4587, yezdi.b.pithawalla@pmusa.com.

2005 BUDGET FOR THE VIRGINIA SECTION

Receipts

ACS Allotments	\$ 11,146.00
Local Dues	3,000.00
Interest Checking-Crestar Bank	50.00
New Member Commission	100.00
ACS Councilor Rebate	4,600.00
Dinner Receipts	4,500.00
ACS Investments Pool	1,500.00
Transfer from SERMACS Account	11,054.00
Total Receipts	\$ 35,950.00

Expenses

Administration	\$ 200.00
Awards and Dinner Expenses for Award Recipients	2,500.00
Chemistry Olympiad	1,800.00
Councilor Travel	6,400.00
Entertainment Committee (Dinner Expenses)	5,000.00
Education Committee (Including Subsidized Dinner Expenses)	4,700.00
Election Expenses	1,000.00
Gifts for Speakers	250.00
Membership Dues (VAS)	100.00
National Chemistry Week	1,000.00
Officer Training	750.00
Publication Expenses	5,800.00
Speakers for Section Meetings	1,200.00
Public Relations Committee	200.00
Minority Affairs Committee	1,000.00
Chemical Technicians Committee	50.00
Long Range Planning	4,000.00
Total Expenses	\$ 35,950.00

E-MAIL NOTICES OF SECTION MEETINGS

If your Bulletin does not always arrive in a timely fashion or if you would simply like to be reminded of Section meetings, you may wish to take advantage of a service that we provide to members. Just send us your e-mail address and we will send you, via e-mail, a brief reminder of the upcoming meeting. We'll try to get the notice to you about a week before the meeting date so you'll have time to make a dinner reservation if you decide to attend the meeting. Send your e-mail address to James Beck at beckjd @ junos.com.

REPORT ON THE JANUARY MEETING

On January 21, 2005, about 35 persons at the Science Museum of Virginia heard Dr. Attila Pavlath's presentation on "Edible Coatings on Food, or How to Keep Fruits and Vegetables Fresh after Light Processing." Dr. Pavlath presented Dr. Joseph Pompano, Section Chair, with a certificate of appreciation. Dr. Pavlath began this practice of honoring Local Section officers ("the unsung heroes") in 2001 when he was President of the American Chemical Society. Thanks to Dr. Dorothy Eseonu for organizing the meeting, reception, and dinner and to the Science Museum for hosting the meeting.



Dr. Sheryl Baldwin with Dr. Pavlath

TEACHING POSITION AVAILABLE

Tandem Friends School, a small private school located in Charlottesville, is seeking a Chemistry Teacher for the 2005-2006 school year. Interested persons should contact Christine Putnam at cputnam @ tandemfs.org or at (434) 296-1303, ext. 269.

YORK TEACHER RECEIVES SECTION GRANT FOR PROJECT

The Virginia Section provides small grants to support school science projects in grades K through 12. The \$50 to \$500 grants are provided to teachers in the Virginia Section for the purchase of materials and supplies. Antonio M. Fox of York High School in Yorktown recently received a Section grant of \$484.10 to help develop a Forensic Science project. This will enable students to study a variety of forensic techniques such as fingerprinting, DNA analysis, blood typing, and poison analysis. The Virginia Section grant will be used to purchase a video on forensic science and several test kits for hands-on student work. In a letter of appreciation, Mr. Fox stated "Without the resources that you have made available, some of the activities that we as teachers would like to do in our classrooms would not be possible. "

WORDS OF WISDOM FOR MARCH: **"For Every
Complex Problem, There Is A Solution That
Is Simple, Neat, And Wrong"**

VIRGINIA STATE SCIENCE & ENGINEERING FAIR

On April 9, 2005, Randolph-Macon College in Ashland, Virginia, will sponsor the 19th annual Virginia State Science & Engineering Fair, bringing to the Richmond area over 250 bright high school science students to compete for awards and a chance to attend the Intel International Science and Engineering Fair. Judges are needed for the Biochemistry, Chemistry, Environmental Sciences, Medicine and Health, Mathematics, Microbiology, Physics, Computer Science, and Zoology categories. If you or colleagues are interested in being a part of this challenging and rewarding effort, please contact the Director, Dr. Patricia Dementi, at (804) 752-7255, or e-mail to pdementi@rmc.edu. More information on the Fair and on judging can be found at www.rmc.edu/sciencefair.

STUDENT AFFILIATE CHAPTER ACTIVITIES

There are ACS student affiliate chapters at nine colleges and universities within the Virginia Section. Four of these received national recognition for their 2003-2004 programs: Bridgewater College (Honorable Mention), James Madison University (Commendable), Longwood University (Commendable), University of Mary Washington (Honorable Mention). Congratulations to these chapters. Here is a sampling of activities sponsored by the students at these award-winning chapters in the Virginia Section:

- ★ students at Bridgewater College participated in chemistry demonstrations at the a local elementary school, sponsored a clean-up of the North River behind the Bridgewater College football stadium, built a Homecoming float based on the theme "CSI: New York," collected \$307.95 in coins around the dorms for St. Jude's Children Hospital, took a tour of the state crime lab in Roanoke
- ★ James Madison University students sold goggles, notebooks, model kits, etc., sponsored a student seminar series on summer research, prepared Slime Goodie Bags for children at Mercy House, held a Mole Day Picnic, did demonstrations at local schools, helped out with a Girl Scout Science Badge, held tutoring sessions
- ★ Longwood University students attended local, regional, and national ACS meetings, coordinated a chemistry seminar series, provided food and gifts to needy families at Thanksgiving and Christmas, assisted Farmville area Girl Scouts with their Science Badge, conducted a General Chemistry tutoring program, held various social events, including Oktoberfest, Poker Night, and a Holiday Social, gave talks and demonstrations on sexual responsibility, nutrition, and smoking during National Chemistry Week, held a Holiday Ornament Contest
- ★ students at the University of Mary Washington held magic shows, a Holiday Party, and a Spring Picnic, sponsored "Quizno's Night", Bowling Night and special speakers, held a t-shirt sale at the end of the spring semester to raise funds to sponsor more speakers and implement a greater number of outreach activities, most notably "traveling" magic shows and science demonstrations at regional elementary schools

CHEMISTRY AT LONGWOOD UNIVERSITY



Longwood University, which was founded in 1839, is a coeducational, comprehensive, state institution offering programs leading to bachelor's and master's degrees in a wide variety of subjects. Longwood has an undergraduate enrollment of 3,700 students, which combines the ambiance of a small, private college with the cost benefits of a public institution. The average class size is 25 and the university-wide faculty-to-student ratio is 1:19. Longwood is recovering well from "The Great Fire of 2001" with the dedication and reopening of Grainger Hall (2003) and planned dedication and

reopening of the Ruffners (April 2005). In addition to rebuilding from "The Great Fire of 2001", the new Science Center (see picture) is under construction. This new facility will be dedicated in August 2005 and will be open for instruction beginning in the fall of 2005. The Science Center (approximately 71,000 sq. ft.) will house 28 faculty offices, 20 classrooms and teaching laboratories, and numerous laboratories for faculty research. This new facility will give the science faculty dedicated research space as well as state-of-the-art teaching technology. For additional information on the new Science Center, visit <http://www.longwood.edu/news/releases/sciencecenter.html>.

The chemistry program at Longwood University is particularly well-equipped with modern instrumentation that all students learn to use properly. This equipment includes a 200 MHz FT-NMR, AFM, FTIR, AA, UV/Vis, DSC, IC, GC, HPLC, GC-MS, bomb calorimeter, quartz crystal microbalance (QCM), and computer-controlled potentiostat. The Chemistry faculty at Longwood are actively involved in research with undergraduates in a variety of areas, which include chiral recognition via electrochemical methods, organic synthesis, physical organic/inorganic chemistry, bioelectrochemistry, and surface analysis using AFM. Chemistry graduates have been accepted at and have completed advanced degrees in graduate programs in chemistry, medicine, dentistry, pharmacy, toxicology, and other programs at universities within Virginia and beyond. After completing advanced degrees, some Longwood graduates have become faculty members at other universities or have entered industrial or governmental jobs directly after graduation. Organizations such as Virginia Power, Merck, Whitehall-Robins, Glaxo-Wellcome, NIH, Lipton Foods, U.S. Naval Surface Weapons Center, Dan River, several municipal water districts, BI Chemical, and Allied-Signal are among the many companies that have employed Longwood chemistry graduates.

The Longwood University Chemistry Club, a SAACS chapter, is highly active in the scientific community. The club sponsors seminar speakers, travels to seminars at other institutions (e.g., VA local section meetings), and provides chemistry-related opportunities to the surrounding community. In recent years, members have traveled to ACS National meetings to present on undergraduate research and chapter activities. The chapter will travel to the 229th ACS meeting in San Diego (March 2005) to receive a commendable award.

RESULTS OF MEMBER SURVEY

In October, 2004, a survey questionnaire was sent to the members of the Virginia Section.; 120 persons responded. Here are some of the survey results (more will be published in future issues).

Please tell us how often you participate in ACS activities by circling

1 - Frequently, 2 - Occasionally, or 3 - Never

Participation in National and Regional Activities

Attend Regional or National Meetings	1 = 9%	2 = 44%	3 = 48%
Present Papers at Meetings	1 = 7%	2 = 24%	3 = 69%
Read <i>C&E News</i>	1 = 70%	2 = 20%	3 = 10%
Serve on National or Regional Committee	1 = 3%	2 = 4%	3 = 93%
Serve as an Employment Consultant	1 = 1%	2 = 5%	3 = 94%

Participation in Virginia Section Activities

Attend Section Meetings	1 = 14%	2 = 43%	3 = 43%
Read the Section <u>Bulletin</u>	1 = 69%	2 = 21%	3 = 10%
Serve as an Officer or Committee Chair	1 = 11%	2 = 8%	3 = 82%
Serve on the Executive Committee	1 = 12%	2 = 4%	3 = 84%

Community Service Activities

Give Presentations to Pre-College Groups	1 = 7%	2 = 26%	3 = 67%
Serve as a Consultant	1 = 5%	2 = 18%	3 = 77%

Please circle all appropriate choices; if you circle "Other", please give details:

I attend Section meetings for

Fellowship (32%), Networking (24%), Education (36%), Other (4%)

I prefer talks at meetings that are

Highly Technical (16%), of General Interest (57%), Other (1%)

The main reason that I do not attend Section Meetings is

Lack of Transportation (2%), Meeting too Far Away (35%), Topics Not Interesting (9%),
Night of Meeting Inconvenient (26%), Poor Health (7%), Other (30%)

Comments: "Travel 60% of the time"; "Unable to arrange childcare"; "Mainly laziness on my part"; "Distance and/or date sometimes a problem, but..."; "Difficulties arranging childcare"; "Meeting in congested area"; "Too much business travel"; "Too retired, too long!"; "Often receive Section Bulletin late"; "Age"; "Too busy"; "Old age 87+"; "Family obligations"; "Retired Emeritus"; "By coincidence several of the meetings I wanted to attend within the last year have (been) when I was traveling"; "I have young children and focus my available time on them and their activities"; "Retired"; "Old age and health - I usually hit the hay ≈10:30 pm"; "Not enough energy for out of town or evening meetings"; "Now fully retired and pursuing interests other than chemistry"; "Don't travel at night"; "Busy with other things"; "Retired"; "All attendees are senior citizens"; "Too much on my plate during the week to attend faithfully!"; "Too busy with other activities"; "Schedule conflicts"; "Retired age 78"; "Lack of time and energy"; "Random conflicts"; "Age"; "Probably too technical, also"; "Retired, but very busy, no longer using tech. knowledge nor seeking employment

VIRGINIA SECTION
American Chemical Society
2005 Executive Committee

Officers

<p><i>Immediate Past Chair</i> G. Wayne Rose Wyeth Pharmaceuticals P. O. Box 26609 Richmond, VA 23261-6609 (w)(804) 652-6564 (h)(804) 559-0524 (fax)(804) 652-6599 rosew @ wyeth.com</p>	<p><i>Chair</i> Joseph M. Pompano Boehringer Ingelheim Chemicals 2820 N. Normandy Drive Petersburg, VA 23805 (h)(804) 537-5433 jpompano @ bichemicals.com</p>	<p><i>Chair Elect</i> Dorothy N. Eseonu Dept. of Natural Sciences Virginia Union University Richmond, VA 23220 (w)(804) 257-5615 (h)(804) 768-0784 (fax)(804) 354-5928 dneseonu @ vu.edu deseonu @ yahoo.com</p>	<p><i>Vice Chair</i> Will H. Lewis, Jr. Philip Morris U.S.A. 2000 Bells Road Richmond, VA 23234 (w)(804) 274-5869 (h)(804) 590-3083 will.h.lewis @ pmusa.com</p>
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CAN YOU IDENTIFY THIS PERSON?

The photograph is from 1977 when the subject was the speaker at the March 17 Virginia Section meeting held at Virginia State University. His topic was "Computerized Pattern Recognition Applied to Chemical Analysis." At the time, he was also involved in photoelectrochemistry and solar energy conversion. In recent years he has become an acclaimed author of fiction. His works include *Einstein's Tunnel*, *Crisis on Flight 101*, and *The StarSight Project*. His non-fictional books include *Digital Computers in Scientific Instrumentation* and *Coping with the Information Explosion Provided by Modern Chemical Instrumentation*. He is the chair of ACCIS—the Advisory Council for Computer and Information Science.

The "mystery person" shown in the February Bulletin was Dr. Herbert C. Brown, the R. B. Weatherill Research Professor Emeritus of chemistry at Purdue University. Professor Brown died on Dec. 19 at the age of 92. He was the Powell Lectureship speaker at the University of Richmond in February, 1994.

