

The Blue Ridge Chemist

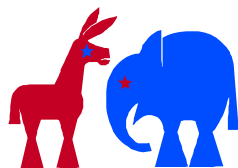
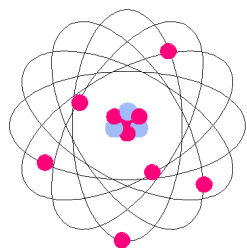
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**Hollins University Hosts January Meeting
at the VERANDA Bistro Restaurant**

<http://membership.acs.org/v/vbr>

VIRGINIA BLUE RIDGE SECTION AMERICAN CHEMICAL SOCIETY

589th SECTION MEETING

**Hosted by Hollins University
at the VERANDA Bistro Restaurant**

Thursday, January 20, 2005

PROGRAM:

5:30-6:30	Social Time,	VERANDA Bistro
6:30-7:30	Dinner,	VERANDA Bistro
7:30-8:30	Talk,	VERANDA Bistro

The social time, dinner, and talk will take place at the VERANDA Bistro. Brian M. Tissue will be speaking on "Peer Review, Ethics in Science, and How Science Really Works".

Dinner will be a roasted vegetable mousaka, chicken oreganato (Greek style), glazed carrots, Italian style green beans, oven-roasted potatoes, homemade carrot cake, coffee, and tea. Cost for the dinner is \$12.00, with students and retired ACS members half price.

Reservations for the dinner must be made by FRIDAY, JANUARY 14, SIX DAYS before the meeting, by calling Dan Derringer at 540-362-7433 or e-mailing to dderringer@hollins.edu or writing to Department of Chemistry, Hollins University, Roanoke, VA 24020.

Brian M. Tissue
Virginia Tech/NSF

Brian Tissue received a bachelor's degree in chemistry at the Johns Hopkins University in 1983 and completed a Ph.D. in chemistry at the University of Wisconsin-Madison in 1988. He did postdoctoral work at the University of Georgia and at the Los Alamos National Laboratory. He has been on the Chemistry Department faculty at Virginia Tech since 1993. His research activities focus on the preparation of inorganic nanoparticles to study size effects on crystal structures and energy dynamics. He is interested in applying these materials in energy efficient lighting, luminescent sensing, and photocatalysis. He has also been active at developing Web-based educational materials for teaching and collaboration. He recently returned from a 15-month term as a program officer in the Chemistry Division at the National Science Foundation. In addition to his research and teaching analytical chemistry courses, he also now serves as the departmental Director of Undergraduate Studies.



"Peer Review, Ethics in Science, and How Science Really Works"

Everyone learns about the "scientific method" in school. Is that how scientists really go about their work? If so, should we try to disprove every result that we get in the lab? Should we try to disprove every interesting result that we read about in the scientific literature? Although many high-profile experiments attract confirmation (or non-confirmation) from other researchers, most research work is subject to a rigorous review by the "scientific method". This talk will discuss some of the social aspects of the scientific enterprise and a few cases of how it self corrects after ethical breaches by scientists.

2005 Officers of the Virginia Blue Ridge Section of the ACS

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Past-Chair - 2002	Gary Hollis Roanoke College	hollis@roanoke.edu 540-375-2437

Tentative Meeting Schedule for 2005

Date	Location	Speaker / Topic
Thurs. Jan. 20	Hollins University (VERANDA Bistro Restaurant)	Brian Tissue, "Peer Review, Ethics in Science, and How Science Really Works"
Thurs. Feb. 24	Roanoke College	James N. BeMiller, "Food Chemistry of Carbohydrates"
Wed. Mar.23	Virginia Tech	James Gillespie, on the topic of protein folding and disease
Wed. Apr. 20	Radford University	Eugene Stevens, "Green Plastics"
Wed. May 11	The Vintage Cellar (Radford)	Bruce Zoecklein, on the topic of grape-derived aromas and flavors
Wed. Sept. 21 tentative	Virginia Military Institute	Joint meeting with IEEE, (biometrics)
Thurs. Oct. 20 tentative	Lynchburg College	TBA
Thurs. Nov.17	Ferrum College	John Meister, "Your Garbage = My Reactants: Trash Recycling"

Stipend Increase Impacts Project SEED

Filling Beakers wins over Flipping Burgers

High school students who participate in the Project SEED program <http://chemistry.org/education/seed.html> will now have a more financially rewarding summer in addition to their 8-week lab experience. The Committee on Project SEED approved a significant increase in the student stipends, after examining high school student summer employment wage options at fast food restaurants and retail stores. Starting in 2005, Summer I students will receive \$2,275 and Summer II students \$2,600 which represents a 30 percent increase over last year's stipend.

Project SEED is designed to ensure that students from economically disadvantaged backgrounds have opportunities to experience the challenges and rewards of the chemical sciences. The program now sponsors nearly 400 students annually in summer hands-on lab research guided by scientist-mentors all over the country, from labs at Memorial Sloan-Kettering in New York City to ChevronTexaco in Richmond, California.

Committee Chair, Mitchell Bruce, states "This outstanding program has impacted more than 7,000 students and their families over the past 36 years. The decision to raise SEED stipends has a significant effect on the program's ability to reach students with demanding financial imperatives. Our challenge in the years ahead is to continue to grow the program while remaining competitive with other options students may have for summer employment. I know we will be able to meet the challenge with the ongoing and increased support of our loyal ACS SEED Donors."

You can make a gift to Project SEED today. Visit ACS Giving <http://acs.org/gifts> or call Mary Bet Dobson at 1-800-227-5558, x4094 for more information on how to make a gift or pledge.

Directions to the Veranda Bistro

From the North or South:

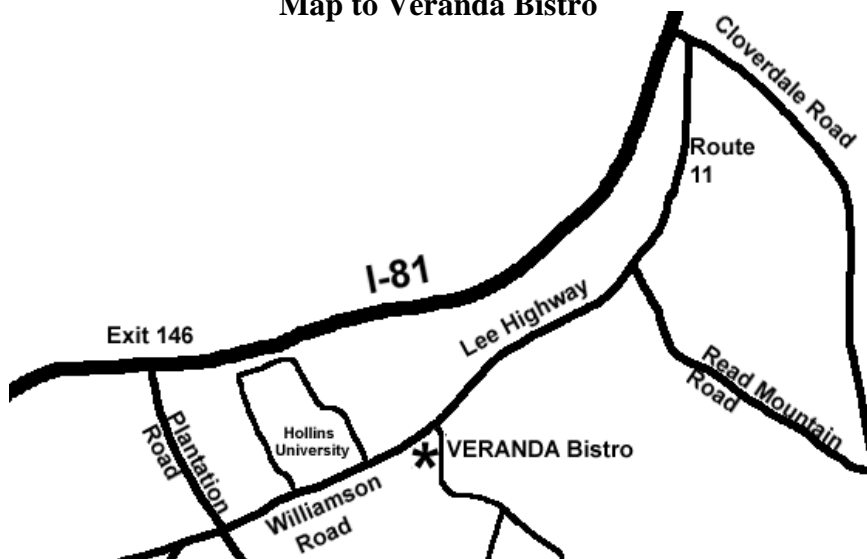
Coming from the South on Interstate I-81, take Exit 146, turn right onto Plantation Road (if coming from the North on I-81, turn LEFT onto Plantation Road). Go to the first stoplight, turn left onto Williamson Road (Route 11 north), and follow Williamson Road approximately 1.2 miles. Veranda Bistro (8201 Williamson Road) will be on your right, 0.6 miles after passing the Hollins University entrance on your left.

From the East:

Following US-460 W; turn right onto US-220 ALT N/ Cloverdale Rd. (2.1 miles); turn left onto Read Mountain Rd. (1.9 miles); turn left onto US-11 S (1.5 miles); make a U-turn on Williamson Rd/US-11 N.

There is a 5" curb directly in front of the Bistro. A ramp is available at opposite/rear end of building complex. (Phone: 540-563-4445)

Map to Veranda Bistro



Non-Prof. Org.
U.S. Postage
PAID
Salem, VA 24153
Permit No. 31

THE BLUE RIDGE CHEMIST
Vern Miller, Editor
Roanoke College
Salem, VA 24153

The February Virginia Blue Ridge Section meeting is scheduled for Thursday, February 24 at Roanoke College. The speaker will be James N. BeMiller speaking on "Food Chemistry of Carbohydrates". The contact person is Ben Huddle.