

# The Blue Ridge Chemist

The Blue Ridge Chemist, since 1947 the  
Official Local Section Publication of the  
Virginia Blue Ridge Section, American Chemical Society



---

VOLUME LXIII

January 2010

No. 1

---



## Antidotes for Terrorist Toxins



---

Roanoke Valley Governor's School Hosts January Meeting

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

## VIRGINIA BLUE RIDGE SECTION AMERICAN CHEMICAL SOCIETY

### 629<sup>th</sup> SECTION MEETING

Hosted by the Roanoke Valley Governor's School  
Wednesday, January 13, 2010

#### PROGRAM:

5:30-6:00 Social Time  
6:00-7:00 Dinner  
7:00-8:00 Meeting

The social time, dinner, and talk will take place at the Roanoke Valley Governor's School. The speaker will be Ned Heindel, talking on "Antidotes for Terrorist Toxins".

The dinner will consist of beef tips, chicken oregantato, rice pilaf, Grecian beans, salad, a variety of desserts, and tea and coffee. A vegetarian eggplant option is available when requested with the reservation. Cost for the dinner is \$14.00, with students and retired ACS members being half price.

Reservations for the dinner must be made by WEDNESDAY, JANUARY 6, (7 DAYS BEFORE THE MEETING) by contacting Gwen Sibert at (540) 853-2116, or by e-mail to [gsibert@RVGS.k12.va.us](mailto:gsibert@RVGS.k12.va.us), or by writing to Gwen Sibert, Roanoke Valley Governor's School, 2104 Grandin Road SW, Roanoke, VA 24015.

**Dr. Ned D. Heindel**  
**Lehigh University**

Professional activities: President, American Chemical Society (Washington, DC), 1994; director, American Chemical Society (Washington, DC), 1985-1996; director; Council for Chemical Research, 1995-1999; Board Member, IUPAC-USA, 1995-2001; Board Member, Chemical Sciences Roundtable-National Academy of Sciences, 2001-present; director; Centcom Advertising, Ltd. (Westport, CT), 1987-1995; trustee, Northampton County Historical Society; 1989-present; trustee, Keystone Junior College (1975-89) trustee, Chemical



Heritage Foundation (Board then Heritage Council), 1986-present; member, Journal Pharmaceutical Science board (to 12/90); member, Bioconjugate Chemistry board (to 12/03); chairman, Chemical & Engineering News board (1988, 1992-93: member 1994-95); consultant, Unimed Pharmaceuticals, Somerville, NJ, 1989-1995; consultant, Digestive Care, 1992-present; consultant, Bio-ProX, 1995-1997; consultant, DCV Pharmaceuticals, 1998-2000; consultant Serenix Pharmaceuticals, 1999-present; consultant, National Museum of American History, Smithsonian Institution, Washington DC; 1990-present; consultant, Air Products and Chemicals, Allentown, PA, 1991-present; consultant, Apollon Corp., Malvern, PA, 1992-1995. Education/Degrees: Lebanon Valley College, B.S. cum laude, 1959 (Chemistry/Math); University of Delaware, Ph.D., 1963

(Organic Chemistry); Princeton University, fellow, 1964 (medicinal Chemistry); Lebanon Valley College, honorary D.Sc. 1985; Albright College, honorary D.Sc., 1993. Experience: instructor, University of Delaware, 1962-63; visiting fellow, Princeton University, 1963-64; assistant professor, Ohio University, 1965; assistant professor, Marshall University, 1964-66; assistant, associate full professor of chemistry, Lehigh University, 1976-present; professor of nuclear medicine, Hahnemann University, 1971-present; director, Center for Health Sciences, Lehigh University, 1980-87. Honors: Robinson Award (1969), Brody Award (1978), H. S. Bunn Distinguished Chair in Chemistry (1985-Present), Who's Who in America (1886-present), Brady Cancer Achievement Award (1989), Henry Hill Award in Medicinal Chemistry (1997), Mosher Award for Contributions to Chemistry (1996), Ben Franklin Partnership Award for Corporate Consulting (2002).

**Antidotes for Terrorist Toxins**

A number of terrorist and local military operations worldwide have recently used mustard, chlorine, cyanide, and nerve gas against civilian populations. A consortium of academic, governmental, and industrial laboratories have combined to develop fast-acting interventional pharmaceuticals to save exposed victims. Chemists and biologists are using those same principles of medicinal chemistry and drug discovery traditionally applied when a disease state is the target against the often-fatal physiological conditions induced by chemical weapons. This presenter is part of a national effort to neutralize the effects of sulfur mustard. The chemistry and biology of this painful vesicant and some promising therapeutics for arresting its effects will be covered in the lecture. Suitable for general audiences.

**Chemists Celebrate Earth Day 2010:  
"Plants - The Green Machines!"**

The ACS Office of Community Activities (OCA) would like to remind you that CHEMISTS CELEBRATE EARTH DAY (CCED) will be celebrated on April 22. The CCED theme for 2010 is "Plants - The Green Machines!" Hopefully you are planning to celebrate on campus anytime during the week of April 22<sup>nd</sup>. The 2010 CCED edition of Celebrating Chemistry will be available online through the CCED home page in late January. It will contain hands-on activities and articles geared for students in grades 4-6. The CCED Order Forms will also be primed and ready to receive your orders in early January. Email updates regarding the order form and other relevant CCED information will be on the way soon. So get a head start on planning your activities for Chemists Celebrate Earth Day 2010. Stay tuned to [www.acs.org/earthday](http://www.acs.org/earthday) for updates and the latest information as CCED is soon approaching!

**Share your NCW 2009 celebration with others by joining our groups on the ACS Network and Facebook!**

The ACS Office of Community Activities Staff uses the ACS Network NCW Group and Facebook (search "Meg A. Mole" or "National Chemistry Week") as a place to hold discussions on event planning, collaborations, and sharing your successes. We encourage you to share photos and videos of your events and to make lasting connections with these great tools.

**Congratulations to the New VBRS Officers**

Chair: Gary Hollis  
Roanoke College

Chair-Elect: Dwight Williams  
Lynchburg College

Secretary: Kim Lane  
Radford University

Treasurer: Vernon Miller  
Roanoke College

Recorder: Gary Hollis  
Roanoke College

Newsletter Editor: Vernon Miller  
Roanoke College

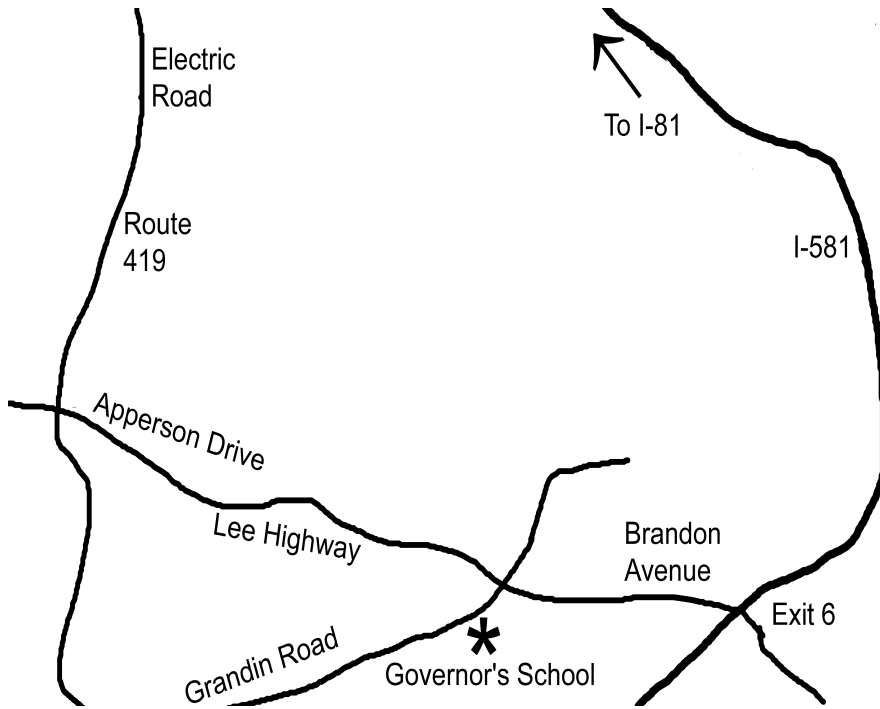
Councilor: Ben Huddle  
Roanoke College

Alternate Councilor: Gwen Sibert  
Roanoke Valley Governor's School

## Directions to the Roanoke Valley Governor's School

The Governor's School is located a little south of the corner of Grandin Road and Brandon Avenue. (Brandon Avenue is the continuation of Apperson Drive and Lee Highway.) When coming by interstate get off of I-581 at exit 6, which is the exit for US 11 and for Colonial Avenue. Follow US 11, which shortly goes onto Brandon Avenue. At the intersection of Brandon with Grandin Road, turn left, and shortly turn left again, into the campuses of Patrick Henry High School and the Roanoke Valley Governor's School. After entering these campuses, the building ahead and a little to the right is the Governor's School.

## Map to the Roanoke Valley Governor's School



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

Vernon Miller, Editor  
VA Blue Ridge Section, American Chemical Soc.  
Chemistry Dept., Roanoke College  
Salem, VA 24153-3789

Return Service Requested

The next meeting is scheduled for February 24 at Roanoke College. The speaker will be Lisa Balbes. The contact person is Ben Huddle.