

# The Blue Ridge Chemist

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



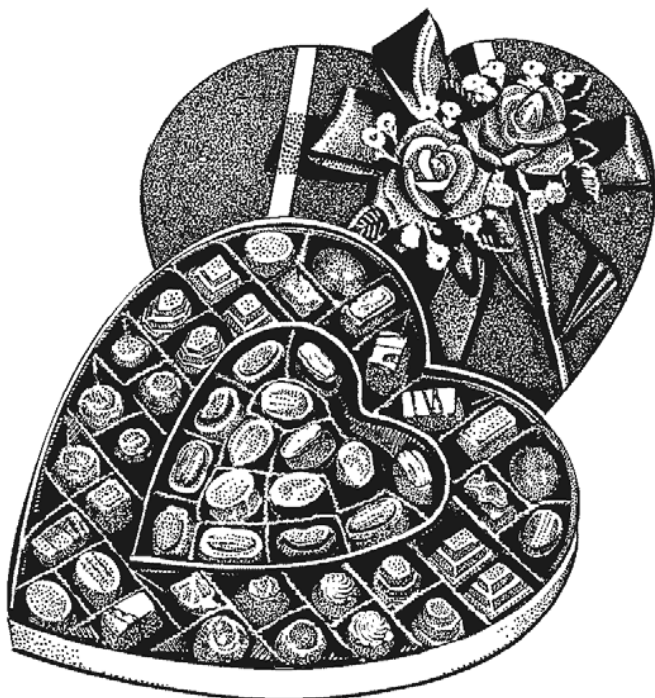
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**Roanoke College Hosts February Meeting**

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

## VIRGINIA BLUE RIDGE SECTION AMERICAN CHEMICAL SOCIETY

**622<sup>nd</sup> SECTION MEETING**  
**Hosted by Roanoke College**

Tuesday, February 17, 2009

### PROGRAM:

5:30-7:00 Dinner in Sutton Commons

7:00-8:00 Meeting in Massengill Auditorium

The dinner will take place in the Sutton Commons of the Colket Center at Roanoke College. The talk will be in Massengill Auditorium. The speaker will be Howard Peters, talking on "Chocolate - Food of the Gods".

For dinner we will be going through the cafeteria line and congregating in the back of the cafeteria. The usual menu includes two entrees, various sides and other items, with desserts and ice cream. There is a back room that we will try to get. Cost for the dinner is anticipated to be \$9.00 for everyone.

Reservations for the dinner must be made by THURSDAY, FEBRUARY 12, (5 DAYS BEFORE THE MEETING) by contacting Ben Huddle at 540-375-2440, or by e-mail to [huddle@roanoke.edu](mailto:huddle@roanoke.edu), or by mail to Ben Huddle, Department of Chemistry, Roanoke College, Salem, VA 24153.

**Dr. Howard Peters**  
**Phillips Moore Lempio and Finley**

Howard Peters is a 1962 graduate of Geneva College, Beaver Falls PA (& hometown of Joe Namath). He earned a Ph.D. in organic chemistry at Stanford University in 1967 under the late Dr. Harry S. Mosher. After 12 years in industry first with The Dow Chemical Co. in Midland MI and then SRI International in Menlo Park, CA in high explosives research, he received his Juris Doctor in law from Santa Clara U. in 1978. He was first a chemical patent attorney with SYNTEX (The Pill and ALEVE) and then was in private patent law practice for 12 years with Phillips Moore Lempio & Finley LLP of San Francisco and Palo Alto. He was a cofounder of the boutique patent law firm, now Peters Verny LLP of Palo Alto, in 1996 and retired from active practice in 2007. He is a 46-year member of the ACS and has 30 years of service on the ACS Council (of 500). He was a cofounder of the ACS Division of Chemistry and the Law in 1983 (now celebrating its 25<sup>th</sup> anniversary). He received the 2007 ACS Henry Hill Award for advancing chemistry as a profession. From 2005-7, Howard served as a member of the ACS Board of Directors and was the unsuccessful candidate for ACS President-elect in 2007. In April 2008, he received the annual Geneva College Life G Award to recognize community service and public outreach. He is the author of the ACS reference book, *Understanding Chemical Patents*, 2nd, 1991 and is currently working of the next update.



Sally Peters is a graduate in chemistry of Geneva College (1964). She did work in tobacco mosaic virus research at Stanford under Dr. Hubert Loring (the chemist who first crystallized the polio virus) and then worked briefly in the Swain Chemistry Library at Stanford. In 1983 she earned a Masters degree in Library Science at San Jose

State U. She has been a chemical information specialist at PARC, INC (formerly XEROX PARC) in Palo Alto CA for 25 years. She served as the 2001 Chair of the ACS Santa Clara Valley Local Section and has served as a member of the ACS Council for 15 years. Sally received the Geneva College Outstanding Alumni Service Award (1997) and the ACS - SCV Section's Ottenberg Award in 2001. She has organized the high school level ACS -United Nations Chemistry Olympiad competition in the Silicon Valley since 2001.

This Peters family includes Theresa, a 20+ year high school biology teacher in Pasadena CA and Elizabeth, a biotech business type with Gilead of Foster City CA. Their two grand daughters, Kayleigh & Megan, have more than 125 years of ACS membership in their grand parents. The other grandfather Dr. Raj Bhatt is a retired biochemist from Abbott Labs in Illinois and is a 50+ year member of ACS.

**Chocolate - Food of the Gods**

Chocolate has been a part of New World culture for thousands of years. This talk includes: 1. Some high points of the history of chocolate and its production from the Mayan, Olmec and Aztec cultures up to the present; 2. Aspects of the processing of the cocoa bean & pod, fermenting, drying, roasting, conching, tempering, blending and finishing; 3. Some chemistry, biochemistry, and biology of chocolate and the active ingredient theobroma cocoa (literally from the Greek - Food of the Gods); 4. Some health aspects (flavanoids, polyphenols & other antioxidant) that this exotic food is good for you; 5. A discussion about aspects of the "dark side" of chocolate; and 6. A few circulating legends (& trivial connections) about chocolate. For attendees who stay to the "bitter" end, there will be a free drawing for a 10-pound bar of Guittard "bittersweet" chocolate. You must be present to win. For more information, see <http://www.howard-peters.com> (home page and some old slides in PPT on the second page under the Presentations bar) and <http://scvacs.org/newsletter/news0806hi.pdf> p.2-3)

**Call for Volunteers!!**  
**Design Squad Sponsored by the Girls Scouts VSC**  
**and the Virginia Blue Ridge Section**

The Virginia Blue Ridge Section of the American Chemical Society in conjunction with the Girls Scouts Virginia Skyline Council, Barr Labs, Lynchburg College, Amazement Square and Kappa Delta Sorority is helping sponsor Design Squad. Design Squad exposes girls to the marvels of engineering. Girls will be put to the test in four challenges all based around engineering. The activities could range from building towers to creating a Dance Dance Revolution pad!

The event will be held at Lynchburg College on Saturday, February 28, 2009. To get more information about volunteering, please contact Michaela Knapp at 434-851-8262 or by email at knapp.mmk@gmail.com. If you are interesting in registering to participate in the event please contact Debra Giles at 540-777-5101 or 800-542-5905, ext. 101 or by email at dgiles@gsvsc.org. More information can be found at [www.gsvsc.org](http://www.gsvsc.org).



Sally and Howard Peters

**Seventeenth Annual Undergraduate/High School Poster Session**

The Virginia Blue Ridge Section of the American Chemical Society is sponsoring the seventeenth Annual Undergraduate/High School Poster Session as a part of the April 8, 2009 meeting at Radford University. Poster boards will be provided.

If you have a student or students, who desire to participate, submit the following information by email to Chris Hermann (chermann@radford.edu) by March 30, 2009. **This is a firm deadline. No poster submissions will be accepted after this time.** All students and faculty will get email confirmation. If you do not get an email reply, then your submission was not received and you cannot present.

Name of Project: \_\_\_\_\_

Name(s) of Student(s): \_\_\_\_\_

Affiliation (name of high school, college, or university): \_\_\_\_\_

Class of Student(s) (freshman, sophomore, junior, senior): \_\_\_\_\_

Student(s) email address: \_\_\_\_\_

Advisor's Name, Address, Telephone Number, and email address: \_\_\_\_\_

Poster board with tripod or table will be provided. Please specify

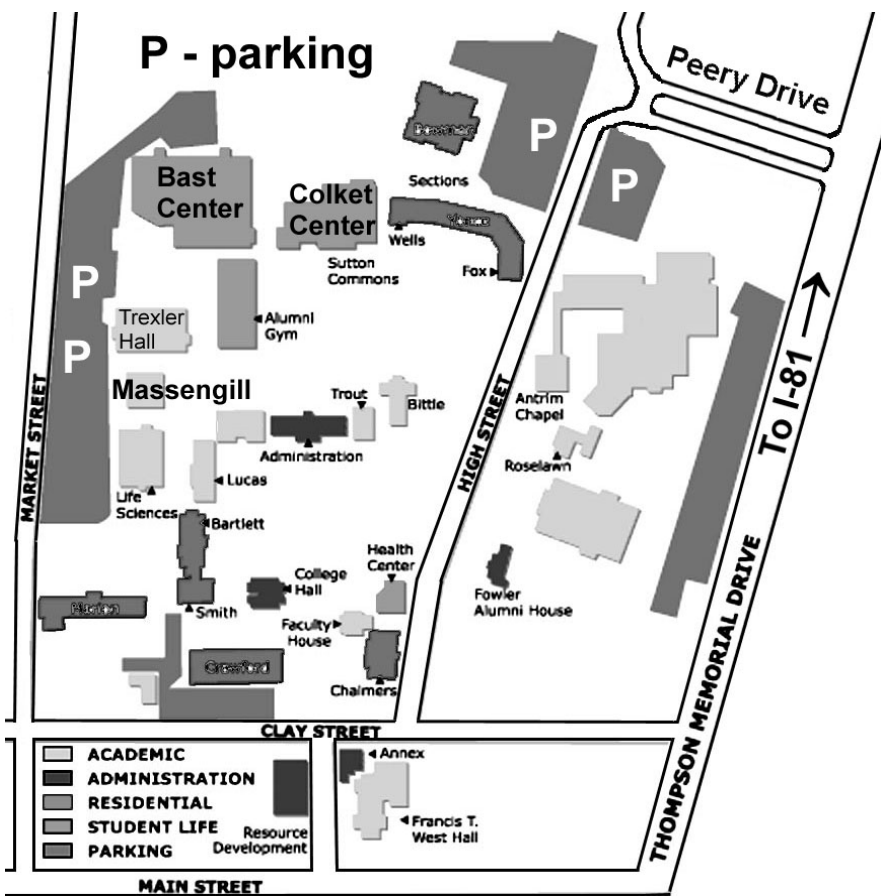
\_\_\_\_\_ poster board [size of poster is \_\_\_\_\_ wide by \_\_\_\_\_ high]

\_\_\_\_\_ table needed

## Directions for Roanoke College

From I-81 take exit 140 (Route 311) and go south into Salem, on Thompson Memorial Drive. Turn right onto Peery Drive to enter the campus. You may park in one of the lots ahead, which are near the Colket Center, or you may take High Street, Clay Street, and Market Street to park near Massengill. For disability access routes, please contact Ben Huddle or Vern Miller. The talk is in Massengill Auditorium, with the dinner in the Sutton Commons of the Colket Center.

Map of Roanoke College



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Salem, VA 24153  
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Salem, VA 24153-3789

The next Blue Ridge Section meeting will be Friday, March 27, at Lynchburg College. This will be a joint meeting with the Virginia Section of the ACS. Bradley Smith from the ACS Office of Public Affairs will give a talk about Science Policy Today for A Better Tomorrow. The contact person is Bill Lokar