

The Blue Ridge Chemist

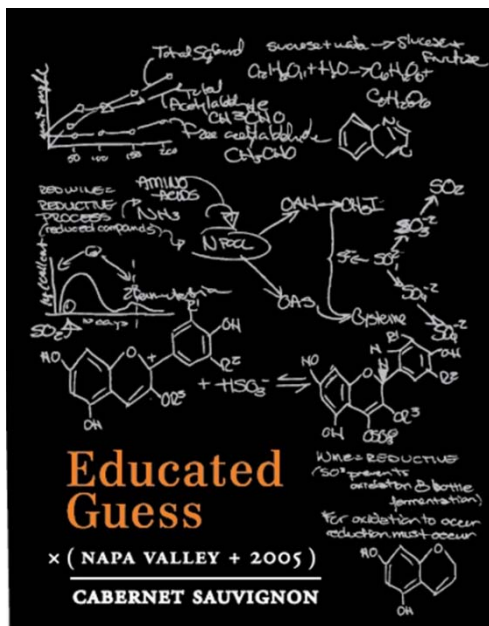
The Blue Ridge Chemist, since 1947 the
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Roanoke College Hosts February Meeting

VIRGINIA BLUE RIDGE SECTION AMERICAN CHEMICAL SOCIETY

653rd SECTION MEETING
Hosted by Roanoke College
Tuesday, February 19, 2013

PROGRAM:

- 5-6pm Social Hour Pickle Lounge in the Colket Center
6-7pm Dinner Go through the line in the Commons--then
bring food to Pickle Lounge
7-8pm Talk Massengill Auditorium

The dinner will take place in the Pickle Lounge of the Colket Center at Roanoke College. The talk will be in Massengill Auditorium. The speaker will be Dr. Joseph Wirgau, talking on "Happy Hour: An Eclectic Collection of Ideas Attempting to Coalesce Around the Chemistry of Beer and Wine". For dinner we will be going through the cafeteria line bringing trays back to the Pickle Lounge. The usual menu includes two entrees, a salad bar, various sides and other items, with desserts and ice cream. Cost for the dinner will be \$10.00 for everyone.

Reservations for the dinner must be made by THURSDAY, FEBRUARY 14, (5 DAYS BEFORE THE MEETING) by contacting Gary Hollis at 540-375-2437, or by e-mail to hollis@roanoke.edu, or by mail to Gary Hollis, Department of Chemistry, Roanoke College, Salem, VA 24153.

Dr. Joseph Wirgau

Dr. Joseph Wirgau earned a B.S. in Chemistry from North Carolina State University in 1998 where he performed research on a novel molybdenum complex for Dr. Charles Cornman. In 2003 he earned a Ph.D. from Duke University for his work on chemical models of microbial iron acquisition under the direction of Dr. Alvin Crumbliss. While at Duke University he was awarded the Pelham Wilder, Jr. Fellowship for excellence in undergraduate teaching and the Joe Taylor Adams Fellowship awarded to an outstanding chemistry graduate student. For the past ten years he has been a professor at Radford University teaching undergraduate students general, inorganic, and environmental chemistry while continuing his work with hydroxamate based siderophores. He is currently serving in his first year as Chair of the Chemistry Department. Previously, he served consecutively as secretary, chair-elect, and chair of the Virginia Blue Ridge Section of the American Chemical Society from 2006-2008.



Happy Hour: An Eclectic Collection of Ideas Attempting to Coalesce Around the Chemistry of Beer and Wine

The production and consumption of natural alcoholic beverages such as beer and wine has occurred in various societies for thousands of years. With a minimal use of puns, some world history, and with a focus on chemistry a veritable five course explanation of these beverages will be offered. It will start with an overview of the production process and the role of sugars and yeast. Then the use of hops as preservatives and the added benefit of antioxidant polyphenols, such as resveratrol, will be discussed. The conversation will continue to another method of preservation and ongoing wars in Europe which led to the creation of fortified Portuguese wine, better known as Ports or more formally Porto. The differences between red, white, and sweet wines will be examined and how the different processes lead to different chemical compositions and different aging patterns.



The Virginia Blue Ridge Section of the American Chemical Society is sponsoring the twenty-first Annual Undergraduate/High School Poster Session as a part of the April 10, 2013 meeting at Radford University. Poster boards will be provided.

If you have a student or students, who will be participating, submit the following information by email to Chris Hermann (chermann@radford.edu) by April 1, 2013. **This is a firm deadline. No poster submissions will be accepted after this time.** All students and faculty will get email confirmation. If you did 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:

48" by 48" poster board with tripod on table or just table will be provided. Please specify what you need.

_____ poster board with tripod on table

_____ table needed



COBBS
Walter Herbert Jr.

Walter Herbert Cobbs Jr., Ph.D., of Salem, died Tuesday, January 15, 2013, at age 91, at Our Lady of the Valley Nursing Home in Roanoke. He was born in Franklin County in Rocky Mount on October 28, 1921, to the late Walter H. Cobbs, Md. and Louise Pearson Cobbs.

He graduated from Franklin County High School in 1938, and earned a B.S. in Chemistry summa cum laude from Hampton Sydney College in 1942. He did graduate work in chemistry at Cornell University and earned his Ph.D. from Duke University in 1949. He was proud to have served as radar officer in the Navy in World War II. He contributed in the field of applied polymer research working in various corporations, eventually directing research at Nordson Corp. in Amherst, Ohio, where he retired at age 65. He served as adjunct faculty in the graduate school of Chemistry at Virginia Tech for several years. He was active in many professional organizations, including the Blue Ridge Chapter of the American Chemical Society. He enjoyed serving on Church and hospital boards in several communities where his career led him. He was active in the Presbyterian Church wherever he lived, and a member at New Hope Presbyterian Church in Salem in his retirement. He was an avid home auto mechanic, car buff, enjoyed camping and loved animals.

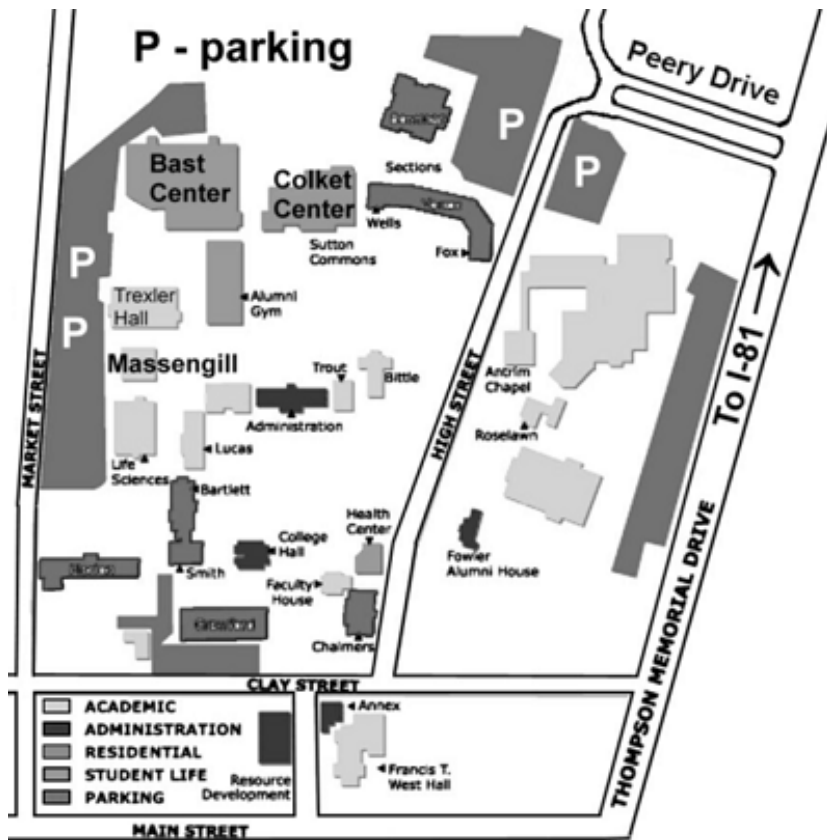
He was preceded in death by his wife of 64 years, Jean Delaney Cobbs, of Bedford, to whom he was a devoted husband.

He is survived by his son, Walter H. Cobbs III, M.D.; and his daughters, Elizabeth J. Cobbs, M.D., Susan D. Proctor and Louise Cobbs; brothers, William W. Cobbs and John I. Cobbs; and five grandchildren.


305 Roanoke Blvd., Salem, VA - 540-389-5441

Directions to 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 Gary Hollis. The talk is in Massengill Auditorium, with the dinner in the Sutton Commons of the Colket Center.



Map of Roanoke College

Vernon Miller, Nancy Richardson Co-Editors
VA Blue Ridge Section, American Chemical Soc.
Chemistry Dept., Roanoke College
Salem, VA 24153-3789

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Return Service Requested

The March meeting will be at Roanoke Valley Governor's School. The date will be announced in the next Blue Ridge Chemist.