

The Blue Ridge Chemist

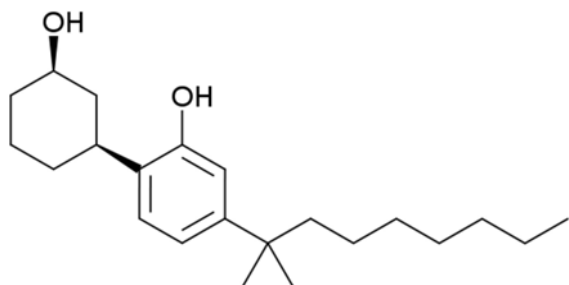
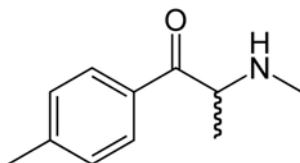
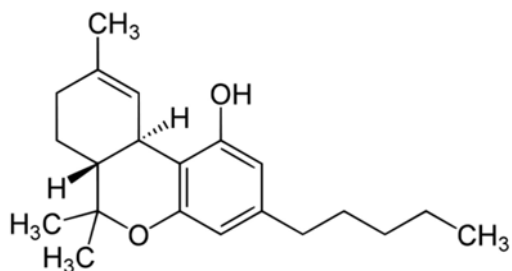
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No. 2



Roanoke College Hosts the February Meeting

<http://www.acs-vbrs.org>

VIRGINIA BLUE RIDGE SECTION AMERICAN CHEMICAL SOCIETY

645th SECTION MEETING
Hosted by Roanoke College
Monday, February 20, 2012

PROGRAM:

5:30-6:00 Social Time, Pickle Lounge, Colket Center
6:00-7:00 Dinner, Pickle Lounge, Colket Center
7:00-8:00 Talk, Massengill Auditorium

The social time and dinner will take place in the Pickle Lounge of the Colket Center. Diane Catley, of the Virginia Department of Forensic Science, Western District, will present a talk on "Current Trends in Forensic Drug Chemistry: Clandestine Labs, Bath Salts, And Synthetic Cannabinoids".

For dinner we will be going through the cafeteria line. Proceed across the hall to the cafeteria line, select your food, and carry it back to Pickle Lounge. The cost will be \$9.50. The menu can be found about a week before the meeting at <http://webapps.roanoke.edu/dailyemail/dining.cfm>

Reservations for the dinner are requested, but not required, by Thursday, February 16, FIVE DAYS before the meeting by calling the Chemistry secretary at 540-375-2441, or e-mail to hollis@roanoke.edu, or regular mail to Dr. Gary Hollis, Roanoke College, Salem, VA 24153.

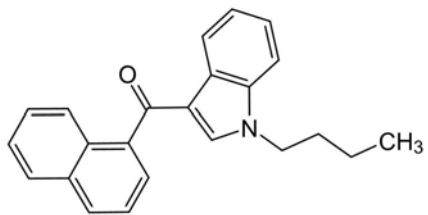
Diane W. Catley
Virginia Department of Forensic Science,
Western District

Diane Catley received her Bachelor of Science Degree in Chemistry from Roanoke College and her Master of Forensic Science from George Washington University



Diane started working in the area of forensics in 1983 in Richmond with the Virginia Bureau of Forensic Science, which has since become the Department of Forensic Science. She worked there for about three years before transferring to the Roanoke laboratory. Diane took a few years off from forensic work when her children were small and worked in the Chemistry and Criminal Justice Departments at Radford University. But she came back to forensics and has worked the last 15 years in the area of Forensic Drug Chemistry in the Roanoke Forensic Laboratory. Diane is also an assessor for ASCLAD-LAB which offers accreditation certification to public and private crime laboratories in the United States and around the world.

Diane is married and has 2 children and lives in Blacksburg.



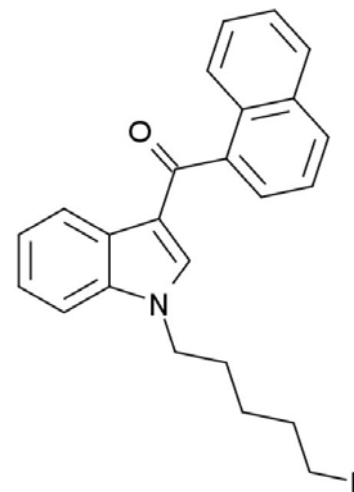
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Current Trends in Forensic Drug Chemistry:
Clandestine Labs, Bath Salts,
And Synthetic Cannabinoids

The forensic lab systems in the U.S. have been taxed with a number of new chemical substances of abuse. These must be analyzed and identified with proper conclusive results which can be presented in the court system. Recently there has been an increase in homemade methamphetamine, as well as an influx of new recreational synthetic drugs and their analogs which may or may not be illegal.

Forensic Chemists are required to identify active ingredients, as well as adulterants and reaction products. They also need to assist police officers and the courts with the understanding and control of these so called "Designer Drugs".

This talk will focus on what is required to effectively identify these substances and the related legal issues seen in the state of Virginia. In addition we will look at how the courts have tried to control them, the difficulties in analysis, and the legal loopholes that are difficult to close.



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20th Annual Undergraduate/High School Poster Session

The Virginia Blue Ridge Section of the American Chemical Society is sponsoring the twentieth Annual Undergraduate/High School Poster Session as a part of the April 11, 2012 meeting at Radford University. Poster boards will be provided.

If you have a student or students who desire to participate, submit the information below by email to Chris Hermann (chermann@radford.edu) by April 2, 2012. **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 (48" by 48") with tripod on table or just table will be provided. Please specify what you need.

_____ poster board with tripod on table _____ only table

Expense Covered, 5-Day Workshop for High School Chemistry Teachers

Ohio Northern University's Department of Chemistry and Biochemistry is hosting a five-day workshop designed to provide high school chemistry teachers with a unique professional development opportunity.

The 30-hour workshop features lecture, laboratory and networking time:

- Use a Vernier spectrophotometer and Vernier probes
- Conduct associated laboratory exercises
- Modify and troubleshoot existing protocols
- Participate in discussion sessions
- Receive a Vernier instrument for use in your home educational institution
- Join specialized breakout seminar/laboratory periods

All teachers who teach at least one high school course in chemistry are invited to apply. Applications are due by March 1.

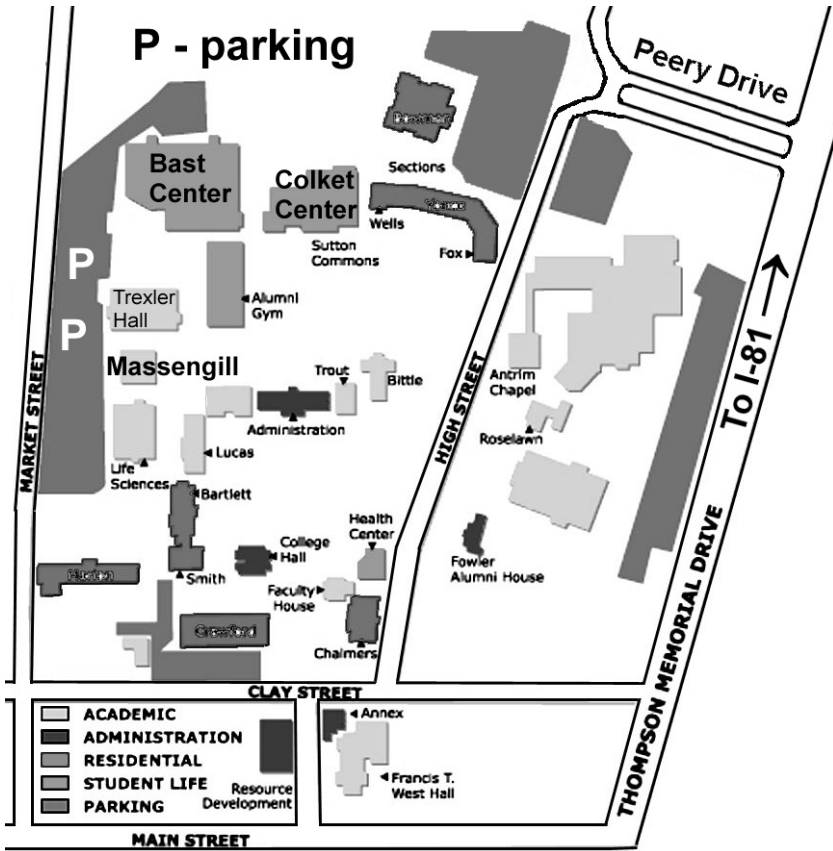
All accepted teachers will be awarded a \$1,200 grant that will cover housing, registration fees, some meals and purchase of a Vernier scientific instrument. Some travel grants (up to \$300) also are available.

To learn more and complete an application, visit www.onu.edu/ctw. A continuing education certificate will be available upon workshop completion.

Directions for Roanoke College

From I-81 take exit 140 (Route 311) and go south into Salem, on Thompson Memorial Drive. A block before the second stop light turn right onto Clay Street. At the second stop sign turn right onto Market street. Park in the lot beside Massengill. For disability access routes, please contact Gary Hollis or Vern Miller. The talk is in Massengill Auditorium, right beside the parking lot, with the dinner in Pickle Lounge on the main floor of the Colket Center, a three minute walk.

Map of Roanoke College



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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 will be Thursday, March 22, at the Roanoke Valley Governor's School, with the speaker to be announced. The contact person is Steve Smith.