The Blue Ridge Chemist

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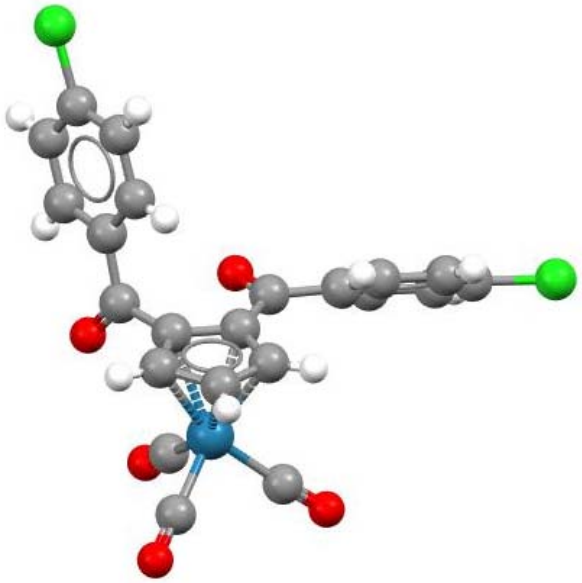


University of Lynchburg Hosts the November Meeting

http://www.acs-vbrs.org

The Blue Ridge Chemist **2019**, *72(6)*, 39-43.

VIRGINIA BLUE RIDGE SECTION

AMERICAN CHEMICAL SOCIETY

703st SECTION MEETING

University of Lynchburg

Thursday, November 14, 2019

PROGRAM:

6:15 to 7:00 PM Dinner
7:00 to 8:00 PM Lecture

All events will take place in Rooms 231 and 232 in Schewel Hall at the University of Lynchburg. The rooms are adjacent.

Dinner will be a buffet featuring a House Salad, a Seasonal Vegetable Medley, Brown Rice, Herb-Marinated Grilled Chicken Breast, House Rolls and Butter, and Vanilla Mousse Cups. Cost of the dinner will be $15 (students and retirees at half price).

A lecture will be presented after dinner by Prof. Chad Snyder of Liberty University, who will discuss "Synthesis, Characterization, and Structure of Some Group 7 Metal Complexes."

An RSVP is requested by Monday, November 11, **three days** before the meeting by sending email to Dr. Jason Crumpton (crumpton.j@lynchburg.edu) or calling him at (434) 544-8376.

Maps and directions are on the last page of this Newsletter.

On the Cover: Molecular structure of an organorhenium compound as determined by X-ray crystallography and reported by Chad A. Snyder and co-workers (*Trans. Met. Chem*, **2012**).

Keynote Speaker: Dr. Chad A. Snyder

Professor of Chemistry, Liberty University

Chad Snyder was born and raised in Kentucky. He was a first-generation college student who obtained an AS in Science from Owensboro CC (1995), a BS in Chemistry from Kentucky Wesleyan (1998), an MS in Analytical Chemistry (1999) from Western Kentucky, and his PhD in Organic and Organometallic Chemistry in 2005 from the University of Kentucky.

Dr. Snyder's teaching at Liberty University includes general chemistry, organic chemistry, inorganic and organometallic chemistry, and forensic chemistry. His research focuses on the synthesis, characterization, and structure of discrete heterocyclic organic and organometallic complexes for electronic materials.

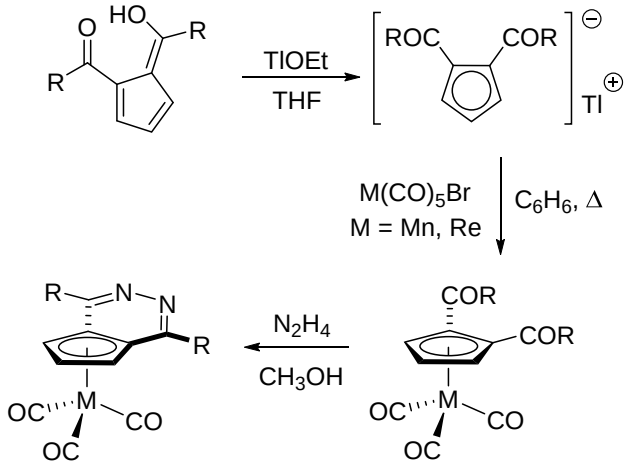
Dr. Snyder is a member and supporter of ACS with a legacy of committee service and directorships throughout our region. He lives in Forest, Virginia with his wife and three children, whom they homeschool. They love college basketball and football, swimming, tennis, and spending time outdoors together.

Keynote Presentation Summary

Synthesis, Characterization, and Structure of Some Group 7 Metal Complexes

Summary: While organic compounds have been vital to the field of semi-conductive materials for several years, discrete organometallic complexes have shown promise in this field as well. In this lecture, I will discuss how the behavior of organic compounds is transformed when they are coordinated to transition metals, and the fundamental principles need to understand the stability of organometallic compounds.

Discrete heterocyclic organic and organometallic complexes are an important class of compounds due to their applications in electronic materials, catalysis, and medicine. In particular, Group 7 metals are of interest owing to their multiple available oxidation states. The synthesis of a typical heterocyclic Group 7 complex developed in our laboratories is shown below. Of particular interest is the pyridazine ring fused to the cyclopentadienyl ligand in the final product. I will discuss the significance of this structure in my presentation.



Elections for 2020 VBRS Officers

VBRS uses an electronic election procedure. The link for voting is now open, and you should have received that by email on Nov 05. Please do not distribute the link as only VBRS members may vote (and only once). Notify Jason Crumpton if you did not receive the link. The survey will close at 4:00 pm on **Wednesday, November 20, 2018**, and the results announced on the VBRS web site promptly thereafter.

The ballot for the 2020 officers is as follows:

Chair – no voting

Our chair will be Maggie Bump (Virginia Tech)

Past Chair – no voting

Our past chair will be Jason Crumpton (U of Lynchburg)

Chair-Elect

Samrat Thapa (University of Lynchburg) or write-in

Secretary

Paul Deck (Virginia Tech, incumbent) or write-in

Treasurer

Steve Smith (RVGS, incumbent) or write-in

Recorder

Gary Hollis (Roanoke College, incumbent) or write-in

Newsletter Editor

Paul Deck (VT, incumbent) or write-in

Councilor

Gary Hollis (Roanoke College, incumbent) or write-in

Alternate Councilor

Jason Crumpton (University of Lynchburg) or write-in

Directions to University of Lynchburg

From Roanoke, follow Route 460 East. Use the left lane to take the US-501 N/Candlers Mountain Road exit. Continue onto US-501 N/Candlers Mountain Rd. (Pass by Wells Fargo Bank on the right). Keep left to continue on Candlers Mountain Rd. Turn right onto Wards Rd. (Pass by Bank of America Financial Center on the left) Continue onto Fort Ave. Turn left onto Perrymont Ave. Turn right onto Sussex St. Turn left onto Vernon St. Destination will be on the left.

If using Google Maps: Search for "Elliot & Rosel Schewel Hall, College Street, Lynchburg, VA"

Bylaws Update

We are pleased to announce that VBRS formally ratified its new bylaws at the October 2019 meeting at Virginia Tech. Thanks to all who participated in the voting!