

# The Blue Ridge Chemist

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



## VIRGINIA BLUE RIDGE SECTION AMERICAN CHEMICAL SOCIETY

**654<sup>st</sup> SECTION MEETING**  
**Roanoke Valley Governor School**  
**Monday, March 18, 2013**

### PROGRAM:

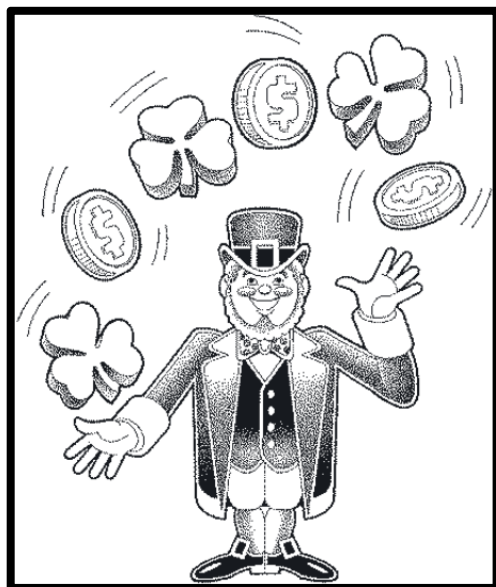
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VOLUME LXVI

March 18, 2013

No. 3

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5:30-6:00 Social time, Lecture Hall, RVGS  
6:00-7:00 Dinner, Lecture Hall, RVGS  
7:00-8:00 Talk, Lecture Hall, RVGS

The social time, dinner, and presentation will all take place in the Lecture Hall at Roanoke Valley Governor's School. The speaker will be noted ACS tour speaker Dr. Al Hazari speaking on "Chemistry in Comics".

The buffet will consist of choice of main dishes, several sides, and dessert along with choice of beverages. The dinner is \$14, with students and retired members being half price.

Reservations for the dinner must be made by MONDAY March 11, (7 DAYS BEFORE THE MEETING) by contacting Steve Smith at (540) 853-2116, or by e-mail to [ssmith@rvgs.k12.va.us](mailto:ssmith@rvgs.k12.va.us), or by writing to Steve Smith, Roanoke Valley Governor's School, 2104 Grandin Road SW, Roanoke, VA 24015.

**Roanoke Valley Governor School Hosts March Meeting**

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## ACS Tour Speaker

*Dr. Al Hazari, University of Tennessee, Knoxville*

[ahazari@utk.edu](mailto:ahazari@utk.edu)



A native of Lebanon, Al received a B.S. degree in Chemistry from the American University in Cairo. He also holds an M.S. degree in Chemistry from Youngstown State University in Ohio and a doctorate in Science Education from the University of Tennessee, Knoxville. Al has taught science and chemistry at the school and the college levels here and overseas. Currently, he is the Director of the Undergraduate Chemistry Labs and a Lecturer in Chemistry at the University of Tennessee, Knoxville. In addition, he regularly teaches science education courses in the College of Education. He has received several grants from government agencies, industry, and various organizations to improve undergraduate chemistry lab instruction and also to support K-16 hands-on science and chemistry outreach activities. He was the 2000 recipient of the ACS Helen M. Free Award for Public Outreach and, in 2011, was named an ACS Fellow.

Al is a very active ACS member. He is a former chair of the ACS Committee on Chemical Safety, an ACS tour speaker, and the councilor for the ACS - East Tennessee Section. Recently, he became the President of East Tennessee's Southern Appalachian Science and Engineering Fair. Al is an affiliate of the Institute

for Chemical Education and a member of the National and the Tennessee Science Teachers Associations. He has made several presentations and given talks at local, regional, national and international chemical and science education conferences. His book on "Misconceptions in Chemistry" was recently published by Springer.

## Chemistry in Comics



Just as humor is most entertaining when its theme fits the topic of conversation, so too comics that depict chemistry situations and/or materials are most effective as a teaching strategy when they reinforce a topic or concept students are currently studying. A variety of chemistry comics (over 100!) will be presented, and the learning situations into which they best fit will be discussed.



## Chemistry Ambassador Opportunities

There are some outreach action items for you to consider this month: share scholarship information and/or apply for a climate science toolkit grant. Here are the details:

1. With a simple email, put scholarship information into hands that need it and just maybe have a life-changing impact. Please forward the following information to a high school teacher, counselor, student, or colleague in your community. Deadlines are approaching!

- **Considering Teaching as a Second Career? ACS Scholarships Available**

The ACS-Hach Second Career Teacher Scholarship is awarded to professionals in the chemistry field pursuing a Master's degree in education or becoming certified as a chemistry/science teacher. Up to \$6,000 per year. Apply by April 1 at www.acs.org/hach.

- **Know Any Chemistry Undergrad Students Interested in Teaching? This Will Help**

The ACS-Hach Land Grant Undergraduate Scholarship is awarded to undergraduate chemistry majors who attend one of our 72 partner institutions and are interested in teaching high school chemistry. Scholars receive \$6,000 per academic year for up to six years. Contact the partner institution for application and renewal details. www.acs.org/hach

- **ACS-Hach High School Chemistry Grants for School Teachers in Your Community**

Grants of up to \$1,500 are available to chemistry teachers with innovative ideas that transform classroom learning. Apply by April 1 at www.acs.org/hach.

2. Educate your community about climate science. **Grants** of up to \$3000 are available to **ACS Local Sections and Divisions** for proposing and implementing innovative ways to use the ACS Climate Science Toolkit to engage a variety of audiences in dialogue on issues of climate science. Up to 15 grants will be made in 2013. Proposals are due March 8. Awards will be announced April 7 at the ACS Spring Meeting in New Orleans.

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

## Directions to the Roanoke Valley Governor's School

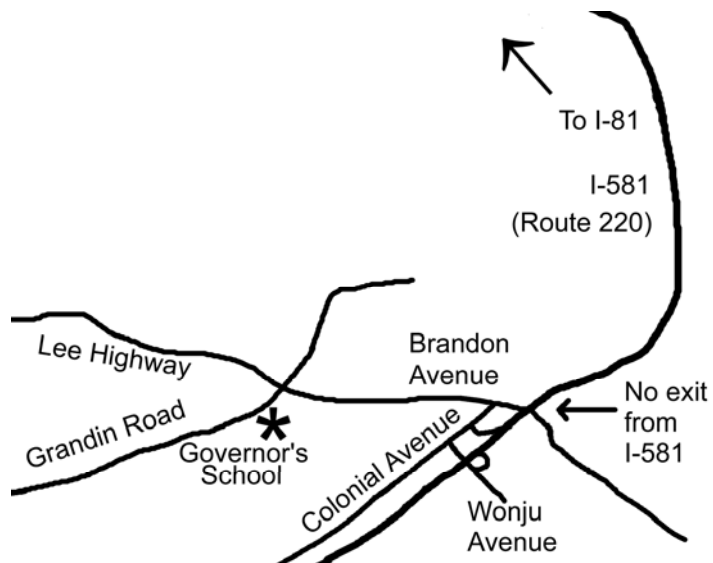
The Governor's School is located a little south of the corner of Grandin Road and Brandon Avenue. (Brandon Avenue is the continuation of Apperson Drive and Lee Highway.)

Driving south on I 581 (220), take the exit for Colonial Avenue. At the end of the exit ramp, turn right onto Colonial Avenue; continue below.

Driving north on I 581, take the second Wonju Street exit. Turn right at the end of the exit ramp onto Wonju Street. At the light, turn right onto Colonial Avenue and continue below.

Stay in the left lane on Colonial. Turn left at the light onto Brandon Rd. 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



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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The April meeting will be April 10<sup>th</sup> at Radford University; Christine Hermann is contact person. The details