

# TRIAD CHEMICAL TIMES



Central North Carolina Section American Chemical Society

## October Meeting and NCW

### National Chemistry Week Event

Chemistry Day 2013 will be here soon and we would like to invite you and your college, organization, or company to participate! Chemistry Day is our way to celebrate National Chemistry Week and to increase the public appreciation of chemistry, increase the interest of young people in the Triad in chemistry, and generate enthusiasm for the creative future of chemistry.

The theme for 2013 is "Energy: Now and Forever – Exploring chemistry and energy with a focus on sustainable resources". We will have our Chemistry Day celebration on Sunday, October 27, 2013, 1 pm – 5 pm at the Learning Center in Colfax, NC.

Continue on page 3.

### The H. L. Hunley: Recovery and Preservation

Dr. Jack Breazeale

#### Meeting Details:

**When:** Thursday October 10th, 2013

**Where:** Joint School of Nanoscience and Nanoengineering, 2907 E. Lee St.

**Time:**

**Social: 6:30 pm**

**Meeting: 7:00 pm**

**Abstract/Bio: page 2**

**Directions : page 7**



#### Highlights in this issue:

	Page
<i>October speaker info</i>	2
<i>National Chemistry Week</i>	1,3
<i>Councilor Statements</i>	4
<i>Directions to JNNS</i>	5
<i>Upcoming Events</i>	6
<i>2013 Executive Committee and Committee Heads</i>	7

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# The H. L. Hunley: Recovery and Preservation

## Abstract

On the night of February 17, 1864 the Confederate submarine, the H. L. Hunley, attacked and sank the USS Housatonic. The attack occurred in Charleston Harbor on the South Carolina coast. The Hunley and its crew never returned from the mission. That is, until 8:37 am on August 8, 2000, when the submarine and its crew were recovered off the South Carolina coast. Work is complete on the recovery of the crew and continues on the preservation of the vessel. The talk will include a brief history of the Hunley, explain the search and recovery process, and a brief discussion of the continuing preservation process of the submarine.

## Biographical Sketch :



Dr. Jack Breazeale was born in Greensboro, NC and grew up in Wilmington, NC. He graduated from New Hanover High School in Wilmington and received his B.S. in 1961 and his Ph.D. in 1966 from the University of South Carolina. He taught at Winthrop College in Rock Hill, SC from 1965-1970. In 1970 he was a founding faculty member of a new state college in Florence, SC: now Francis Marion University. From 1970 until his retirement in 1997, he was Chair of the Department of Chemistry and Physics and Professor of Chemistry. Dr. Breazeale has been active in the American Chemical Society for over 40 years. He has served as a member of the ACS Committee on Chemical Safety including three years as chair. He also held offices in the ACS Division of Chemical Health and Safety

including that of chair. Other activities at the national level have included appointments to the Committee on the Economics Status of Chemists, the Committee on Constitution and Bylaws, the National Chemistry Week Task Force with three years as Chair, and the Board of Trustees for Group Insurance Plans for ACS Members. He was elected by the ACS Council to two terms on the Council Committee on Committees and currently serves on the Council Committee on Nominations and Elections and currently the Chair of N&E. For a number of years he has been a speaker for the ACS Speaker Service. At the local level Dr. Breazeale has held several offices in the South Carolina Section including chair and currently serves the Section as Councilor. His interest in laboratory safety became a major professional activity in the early 1980s in the South Carolina Section. Dr. Breazeale has presented in the Laboratory Safety Institute workshops for over twenty five years. These presentations include one-, two-, and four-day workshops nationwide and internationally on various safety topics. He presently serves on the Board of Trustees of the Laboratory Safety Institute. He resides in Mount Pleasant, SC and is an Adjunct Professor of Chemistry at the College of Charleston and Emeritus Professor of Chemistry at Francis Marion University. He was elected as a Fellow of the American Chemical Society in 2010. He is currently serving as Chair of the Board of Trustees for the ACS Member Insurance Trust, as Chair of the National ACS Committee on Nominations and Elections, and is a past Consultant to the ACS Committee on Chemical Safety. In 2012 he received the American Chemical Society National Award for Outstanding Volunteer Service to the Society.

**National Chemistry Week (continued from page 1)**

We hope to have a number of activities exploring the positive impacts of chemistry and communicating the importance of chemistry to our quality of life. These activities include hands-on activities, chemistry shows, and demos/displays from local business and colleges. This event will be open to the public and totally free.

Last year's celebration featured activities and presentations by numerous scientists representing great Triad institutions like UNCG, Winston-Salem State, Bennett College, Forsyth Tech, Chemical Educational Foundation, High Point University, Ashland, Evonik STOKO Skin Care, Syngenta, ISP-NC, and Lancaster Labs.

We would love for you and your college, organization, or business to organize a hands-on chemistry activity or a demo/display table on some interesting and fun aspects of chemistry. Relevance to energy, to your research activities, or to your company's products are a plus but please feel free to choose any topic of general chemistry which would be fun and interesting to our youth. In addition, we welcome any donations of items that could be used for goody bags or game prizes (pens, pencils, erasers, magnets, etc.).

We also need volunteers for other operations such as registration, snacks, cleanup, etc.

Please contact us if you would like to participate so that we can save a spot for you!

Thank you very much for your time and support!

Kindest Regards,

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# Councilor Statements

One of the sections two councilor positions is up for election this year. Two candidates are running for the councilor position which is for a three year term. Their statements are as follows:

## **Robert Yokley:**

Dear Local Section Membership,

I wish to serve another term as a Councilor for the Central North Carolina Section of the ACS. At the local section level (LS), I served as Chair-Elect and Chair (2004-2005) as well as on various LS committees. In addition, I am the creator of the very successful CNC-ACS annual Poster/Vendor Night which is now in its 13<sup>th</sup> year. This event was created to increase interactions between LS members from academia, industry, and government and students and to raise funding to support special guest speakers for each LS September meeting.

In addition to fulfilling my LS duties at national council and caucus meetings, I presently serve on the following national committees:

Committee on Environmental Improvement (CEI)  
Committee on Nomenclature, Technology, and Standards Committee (NTS) – sub-committee chair  
Liaison to Committee on Community Activities (CCA)

The tasks and responsibilities of each of these committees varies widely but includes voting on issues of interest to our LS, addressing ACS policy on issues such as climate change and sustainability, establishing scientifically consistent and useful nomenclature and standards, and writing numerous articles for the ACS publication Celebrating Chemistry (e.g., I have authored articles on recycling, aquifers, properties of water, hydropower, chemistry of fudge, etc.). This magazine is published twice annually for National Chemistry Week (NCW) and Chemists Celebrate Earth Day (CCED). Please ask anytime if you have questions about these activities ([Ryokley1@triad.rr.com](mailto:Ryokley1@triad.rr.com)).

I retired from Syngenta but still perform some part-time consulting. I earned a BS degree in Chemistry and Mathematics at Middle Tennessee State University and a Ph.D. in Chemistry from the University of Tennessee.

Thank you in advance for your support.

Robert A. Yokley

**Johanna Mazlo:** At press time, Johanna's statement was not available

## Meeting Directions:

### **Joint School of Nanoscience and Nanoengineering**

#### ***From Raleigh/RTP/Durham, NC***

Follow I-40 West to Exit 131 toward Greensboro (I-40 W/I-85 Business South/US 70).

Go 3.3 miles to Exit 224, which is the Lee Street exit. Turn right.

Proceed  $\frac{1}{4}$  mile and campus is on the right.

#### ***From Winston-Salem, NC***

Follow I-40 East/I-85 North toward Greensboro.

Take Exit 212 (I-40 East/Greensboro to Bryan Blvd.)

Continue to Exit 224, which is the East Lee Street exit. Turn left.

Proceed  $\frac{1}{4}$  mile and campus is on the right.



## Upcoming Meetings

<b>October 10, 2013</b>	<b>October Section Meeting (JNNS): “The H L Hunley”, Dr. William “Jack” Breazeale</b>
<b>October 27, 2013</b>	<b>National Chemistry Week Activities, Girl Scout Learning Center, Colfax, NC</b>
<b>November 7, 2013</b>	<b>November Section Meeting (UNC-G): “The Art of Brewing”, Dr. Tracey Hamilton</b>
<b>November 12-17, 2013</b>	<b>SERMACS 2013, Atlanta, GA</b>
<b>December 5, 2013</b>	<b>Holiday Banquet, Hawthorne Inn, Winston-Salem, NC</b>

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