

CENTRAL NORTH CAROLINA SECTION
AMERICAN CHEMICAL SOCIETY

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January Event Announced - see page 3!

January Section Meeting:

Chem-Pharma's New Birth Place

(or Where Will Tomorrow's Chemical Inventions Come From?)

Dr. Ned Heindel, [Lehigh University](#)

Dept. of Chemistry/Health Sciences

Tuesday, 12 January 2010

High Point University
Bldg/Room Norton 101

Social 6:30 pm
Presentation 7:00 pm

CNC-ACS 2009 Officers

Dr. Harry Gan	Chair
Mr. Bill Eberle	Chair-Elect
Ms. Janice Foushee	Secretary-Treasurer

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<http://membership.acs.org/c/cnc/>



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• ChemSense (10)	OPEN		
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• Science Center Advisor (11)	Jerry Walsh	Jlwalsh@uncg.edu	334-5672
• UNCG H. S. Lab Day (1)	Jerry Walsh	Jlwalsh@uncg.edu	334-5672
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Earth Day	Rebecca Roberts	rebecca.roberts@syngenta.com	632-6244
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• Sci. Advisor-Richard Burr	Liliana Garcia	garcial@wssu.edu	750-2548
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Women Chemists (1)	Teresa Neal	tneal@lortobco.com	335-6602
Younger Chemists Chair (9)	OPEN		

Number in () following committee indicates the month that committee reports



DEADLINE FOR NEXT NEWSLETTER

Please submit materials for the **next** newsletter no later than the **10th of the prior month**. Electronic submissions are preferred, but hardcopy submissions are also accepted. Submit via email (attach a MS-Word file if possible) or on a diskette or CD. Committee reports presented at a meeting can be given to the editor for publication in the newsletter. The newsletter editor reserves the right to modify submissions, but will make every attempt to avoid changing the pertinent information.

SEND MATERIALS TO: Thomas J. Mayer, PO BOX 18300, Greensboro, NC 27419
or thomas.mayer@syngenta.com



Chem-Pharma's New Birth Place (or Where Will Tomorrow's Chemical Inventions Come From?)



BIO: Ned D. Heindel, the Howard S. Bunn Chair Professor of Chemistry at Lehigh University, has taught and conducted research at Lehigh since 1966. He previously taught at Ohio University and Marshall University. Ned holds a PhD from the University of Delaware and was an NSF Postdoctoral Fellow at Princeton University. At Lehigh, his research has involved the development of diagnostic and therapeutic products under the support of 14 pharmaceutical companies, 3 federal agencies, and 4 foundations. He has consulted widely in big and small pharma, and has mentored 39 doctoral students, 137 M.S. students, and 23 postdoctoral fellows most of whom have undertaken careers inside the pharmaceutical industry. Ned has served on 2 corporate boards, 5 science advisory boards, 3 editorial boards, 4 professional boards, and 3 government commissions. He currently directs the medicinal chemistry research of Azevan Pharmaceuticals, a venture capital start-up firm designing vasopressin antagonists and the new drug development

program for Project CounterACT, a federal program seeking antidotes for sulfur mustard poisoning.

In 1994, Ned served as president of the American Chemical Society. He holds 11 patents for pharmaceutical substances, 5 of which have been licensed to pharmaceutical industry. He has published > 290 papers and in 2009 was named a Fellow of the American Chemical Society.

ABSTRACT: neutralizing solution that detoxifies asbestos, a computerized wheel chair that walks up steps, an inter-penetrating polymer webbing which serves as artificial skin for burn victims, a saliva-based assay that detect intoxication, and a non-fluorocarbon delaminating solvent for stripping photoresists what do these inventions have in common? All are new, novel products developed by small venture capital companies located in academic incubator sites. Here is where the creativity of the entrepreneur, the enthusiasm of science students, a facilities subsidy of the government, and the technical mastery of America's professorate are harnessed toward inventions. As major companies in the chemical industry increasingly shed research, new models for discovery and innovation are arising. The venture capital firms housed in subsidized incubators located near academic campuses have become the equivalent of old corporate discovery teams which were once common in the Fortune 500 companies. Large companies, too, are spinning off ideas they find themselves unable to explore, either by reverse tech transfer to universities or as the technical nuclei for tiny entrepreneurial start-ups. This lecture describes the collaborative research by the author and his students with seven start-up firms in a lively incubator environment over the last 20 years. Categories General Public, Management, Public Relations.



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HIGH POINT UNIVERSITY



Belk Residence Hall.....31	Hospitality Kiosks.....19	Slane Student Center.....23
Blessing Residence Hall.....32	Ike Belk Track.....39	Smith Library.....28
Brayton School of Education.....7	Kester International Promenade.....18	Steele Sports Center.....38
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Coy O. Williard Baseball Stadium.....37	Maynard Swimming Pool.....21	University 6th Street AptsVA.....13
David R. Hayworth Hall.....3	McEwen Residence Hall.....29	University 6th Street AptsVB.....12
David R. Hayworth Park.....22	Millis Athletic/Convocation Center.....35	University 6th Street AptsVC.....11
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Hayworth Chapel.....4	Old Student Center.....24	Wilson Residence Hall.....14
Hayworth Fine Arts Center.....1	Phillips Hall.....16	Wrenn Admissions Building.....27
Henley Fountain.....17	Plato S. Wilson School of Commerce.....6	York Residence Hall.....9
Hoffman Amphitheater.....34	Roberts Hall.....25	



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CNC - Local Interests



In Memoriam:

Helen Louise McNaull Stone



GREENSBORO — Helen Louise McNaull Stone, widow of Mr. William H. Stone Jr., died Saturday, December 5, 2009, at her home.

A memorial service will be held at 3 p.m. on Tuesday, December 8, at First Presbyterian Church Chapel, 617 N. Elm Street. The family will receive friends following the service, in the Blair Hagan Parlor.

Helen was the daughter of the late Thaddeus Weatherly McNaull and Margaret Woodson McNaull. She was also preceded in death by her younger brother Thaddeus Weatherly McNaull Jr.

After graduating from Canton High School and the University of North Carolina at Greensboro, where she earned a bachelor's degree in chemistry and master's degree in education, Mrs. Stone worked at Cone Mills Laboratories as a chemist. An unexpected request for her to substitute teach led to a mid-career change. She became a teacher at Ben L. Smith High School in Greensboro for nearly a quarter century. In earning her certification at Duke University to teach advanced placement chemistry, Mrs.

Stone drew the attention of the College Board and they asked her to become an exam reader for advanced placement chemistry.

She later became a College Board representative, instructing teachers on methodologies for teaching chemistry. In recognition of her work in education, the State of North Carolina presented Mrs. Stone with its Presidential Award for Excellence in Science and Mathematics Teaching in 1987. That same year, she was also the recipient of the Chemical Manufacturers Association's Catalyst Award, given annually to the country's most outstanding chemists and chemistry teachers.

Mrs. Stone was a member of First Presbyterian Church in Greensboro.

She had an unquenchable zest for life, loved to laugh with her many friends and students, and enjoyed time with her family, especially her trips to the North Carolina coast.

Mrs. Stone is survived by her son, William H. III, of Franklin, and Cindy; son, Reed, of Greensboro; daughter, Dianne Norton of Lexington, S.C., and her husband, Doug; and daughter, Lynn Chafin of Greensboro and husband, David. She is also survived by nine grandchildren, William Stone IV of Asheville, Andy Nesbit of Columbia, S.C., Steffi Norton Hiltgen of Chesnee, S.C., and husband, John, Nick Norton of Lexington, S.C., and Mark Chafin, Chris Chafin, and Sam Chafin, all of Greensboro, Laura Norton Petrovich and husband, Michael, of San Diego, Calif., and Chris Norton of New York City; and great-grandson, Copeland Petrovich.

Mrs. Stone was also indebted to her caretakers, Sugar Dunlap and Debbie Stewart and to her doctor, Walter Pharr, a former student.

Memorials, celebrating her lifelong passion of learning and teaching, may be made in Helen Stone's honor to the UNCG Chemistry Department, 1000 Spring Garden Street, Greensboro, NC 27403.

Hanes Lineberry N. Elm Chapel is assisting the Stone family.

Directions



Room for the January 12th meeting is Norton 101 (this is building #5 on the campus map- see page 5)

Directions to HPU

From WS:

Take US-311 South towards HP. Exit #21, Greensboro road, and turn right (southwest). Go less than a mile and turn left on Montlieu Ave.

Follow Parking Directions Below:

From Central GB or the Eastern Piedmont:

Take I-85 south and merge into I-85 Business south (exit #118) toward HP. Take the E Kivett Dr exit, turn right. Continue on Kivett Dr about 3 miles to N College Dr. Take a right at N College Dr for less than a mile and turn left at Montlieu Ave.

Follow Parking Directions

Below:

From Western GB/Airport Area:

Take NC-68 south. From I-40 you travel about 6 miles, about 3 miles from Wendover. Turn left at N Centennial St and go less than a mile.

Turn left at N College Dr and go about a mile. Turn right on Montlieu Ave. Follow Parking Directions Below:

Parking directions once you reach Montlieu Ave:

Continue past the main entrance to the next right. Turn in and continue thru the parking lot to the left. Norton Hall is the last building on the right before hitting the next campus road.

AMERICAN CHEMICAL SOCIETY

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