

The TarHelium



Volume 37, Issue 2

November 2006



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The TarHelium

Volume 37: Number 2

Nicolle S. Tulve, *Editor*

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ENSURING THE FUTURE: ACS AND THE CHEMICAL ENTERPRISE

Dr. Elizabeth Ann Nalley, 2006 President of the ACS and Professor of Chemistry at Cameron University, spoke at Elon University on October 25, 2006.



"I chose "Ensuring the Future: The ACS and the Chemical Enterprise" as the theme for my presidential year. I selected this theme to build on "Chemistry Enterprise 2015", a project undertaken in 2005 by President Bill Carroll to understand the vectors driving the chemistry enterprise today, and how the enterprise will change in the next ten years. Although I would like to say that I can set the American Chemical Society and the chemical enterprise on a course toward a positive future, I am not naïve enough to believe that the whole chemical enterprise can be changed in one year. Therefore, I have three focal points for discussion, action and activities this year: (1) communicating the value and relationship of basic and applied research; (2) the importance of good science and mathematics education at all levels; and (3) recognizing that the most important asset the American Chemical Society has is its members. In this presentation, I will reflect on our progress to date."

Commentary on Dr. Nalley's Presentation

— *Contributed by Eric Bigham,*
GlaxoSmithKline

Ann told the group about the experience of becoming ACS President. She needed to establish a theme for her year and was

advised to not start something she couldn't finish, so she decided to follow the work of Bill Carroll on the 2015 study with her "Ensuring the Future" theme. This theme has three basic points: communicating the value of basic research, recognizing the value of volunteer service, and promoting good science education at all levels.

To support basic research, Ann is collecting a number of one-page stories that will be made available on the ACS web. Our volunteer service is what the public sees of the ACS. We have never attempted to put a value on the hours we put into ACS, but it would amount to a lot. Ann believes we should do more to recognize and reward our volunteers. Science education is seen as the key factor that will help ensure good science in the future.

Ann grew up on a farm in rural Missouri and picked her share of cotton. Post Sputnik science education programs brought Ann into the chemistry world where she has been ever since. Ann reported on her attendance at the International Conference of Latin American Countries in Havana Cuba. While the Cubans have made some impressive scientific advances, they contrast greatly with the bleak everyday lives of most Cubans.

Our 2015 report concluded that chemistry has a promising future, but we have a number of important challenges. A number of high-profile studies have pointed to the reinvigoration of innovation in the US as a major goal and challenge. The recent National Academies of Science report "Rising Above the Gathering Storm" has garnered a lot of attention in Washington and around the country. Congress has voiced a high level of support for innovation but the currently difficult budgetary environment has made it difficult to allot enough money. The Rising Storm report contained 10 actions that we must take and recommended that we increase the scientific talent pool, sustain basic research, develop and retain the brightest, and ensure that the US is first rate in innovation.

These recommendations contrast with the last thirty years of complacency. Since the Sputnik era, the US production of scientists has been flat, and federal funding of basic research has lagged far behind the growth in our population and economy. Underpinning

(Continued on page 2)

(Continued from page 1 - Ensuring the Future)

all of our efforts is an education system that has failed to attract enough qualified science and math teachers in the K-12 grades or enough of the best students into the sciences.

Ann closed by referencing the ACS Charter, which directs us to increase the material prosperity and happiness of the American people. Our charter also requires us to advise the government on matters of science, education, and national security. In the latter role, the ACS has established the Legislative Action Network (LAN), and Ann wants us all to take part and do our duty.

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NC ACS AT THE STATE FAIR

— Contributed by Bill Switzer, NCSU
State Fair Event Coordinator

For the 8th time in 10 years, the NC Section participated in the North Carolina State Fair. We hosted a booth in the "Our Land, Our Legacy" exhibit and performed daily stage shows. Seven different presenters did 52 stage presentations during the 10 days of the Fair. Preliminary estimates indicate that a little more than 1700 people saw the stage shows.

As in past years, both the stage shows and booth presentations focused on states of matter: solids, liquids, gasses, and plasmas. We demonstrated the properties characteristic of all 4 states of matter, converted between the states of matter by cooling, by pressure, and a combination of cooling and pressure, did a number of demonstrations showing the property of density, and made coffee-filter butterflies.

We also displayed several pieces of old chemical instrumentation including a two pan analytical balance from the 1950s, a two pan lab balance from the 1920s, a Beckman pH meter from the 1940s, and a Duboscq colorimeter from the 1930s. Special thanks to Susan Cady from NC State for helping to put together this display.

Jim Chao
Darrell Coleman
Laura Edwards
Jim Ellenson
Erica Perry
Dick Forbis
Lyn Francisco
Jennifer Gilliam
Jared Heymann
John Holland
Marcus Hunt
Brenda Jackson

William Jones
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Pete Vandenberg
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The places of work and organizations to which we belong are:

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NC ACS recognizes these members for 50 years of service:

Donald T. Forman
Sami Assad Halaby
Paul Joseph Kropp
William H. McMullen
Vsevolod S. Mihajlov
Walter Peter Miller
David Lee Morrison
Harvey Pobiner
Jack Preston
Stuart Reid
Paul Raphael Resnick
Michael Herbert Theil

NC ACS recognizes these members for more than 75 years of service:

John Geldart Aston
Paul S. Greer
F.H. Smith
W.N. Stoops

MEET THE CANDIDATES

Jay M. Brown, Esq.

For Chair-Elect of the ACS NC Section

Mr. Brown has served since December 2004 as Secretary of the NC Section of the ACS. He respects the role of ACS in the chemical enterprise. Mr. Brown views ACS as performing vital services through its commitment to the advancement of technology and its facilitation of interactions among those working in the chemical industry. He is committed to continuing to play an active role in the NC Section and now desires to serve as chair-elect of the Section in 2007 and as Section chair in 2008. Mr. Brown has gained leadership experience in a variety of settings. For example, he has served as a homeowner board member and president. In addition, he organized and executed a dinner event for 2,600 attendees at the Waldorf-Astoria Hotel, New York.



Mr. Brown is a seasoned public speaker. Through his participation in ACS, Mr. Brown intends to take advantage of opportunities to impart his expertise in intellectual property law to ACS members. He feels that providing practical knowledge to the scientific community regarding procurement and enforcement of patents and other intellectual property rights will support ACS's commitment to advancing technology. Mr. Brown is an active member of the Chemistry & the Law ("CHAL") Division of ACS. He organized and spoke at CHAL symposia for SERMACS 2004, MARMACS 2005, SERM/SWRM 2005, MARMACS 2006, ACS-National 2006-Atlanta, and ACS-National 2005-Washington, D.C. He has organized a CHAL symposium for SERMACS 2006 to be held on November 2nd in Memphis, will organize similar sessions for ACS-National 2007-Chicago and SERMACS 2007, and intends to remain actively involved with organizing and speaking at similar symposia during future ACS meetings.

Mr. Brown has over twenty years of experience practicing intellectual property law, including twelve years of in-house patent counsel experience with both large and small companies. He provides a broad range of intellectual property services for his clients. Mr. Brown's technical experience includes

small molecules, macromolecules, chemical compositions, polymers, alloys, food compositions, p-glycoprotein inhibitors, phosphatase targets, receptor tyrosine kinase targets, hybridomas, membrane devices, business methods, optical fiber, optical components, optical amplifiers, MEMS devices, diode laser systems, telecommunication systems, semiconductor devices, and mechanical apparatus.

Mr. Brown received his B.A. *cum laude* in Chemistry from Dartmouth College in 1978. He earned a J.D. from Georgetown University in 1982. He is admitted to practice law in North Carolina, California, and New York. Mr. Brown was admitted to practice as a patent agent before the U.S. Patent & Trademark Office in 1980.

Mr. Brown is a partner of The Eclipse Group LLP, an intellectual property law firm with offices in Durham, Chicago, Los Angeles and Orange County, California. He can be reached at The Eclipse Group LLP, 5003 Southpark Drive, Suite 260, Durham, N.C. 27713; telephone (919) 313-6160; e-mail: jmb@eclipsegrp.com.

Jay
Brown

Joan Bursey

For Treasurer of the ACS NC Section

Joan Bursey is the incumbent treasurer of the NC Section. Her B.S. in chemistry and mathematics is from Creighton University in Omaha, NE. She earned a Ph.D. in physical chemistry from Berkeley in 1969 and came to North Carolina for a postdoctoral appointment with Maurice Bursey at UNC-Chapel Hill. After that she worked for RTI International, Radian, and ERG, and is now in the program for seniors at EPA, working in environmental chemistry. She and Maurice have two children, both classical musicians.



Joan
Bursey

**Alvin
Crumbliss**

Alvin Crumbliss

*For Councilor of the
ACS NC Section*



Al Crumbliss is currently Professor of Chemistry at Duke University where he has held various administrative positions including Chairman (1991–1995) and Director of Undergraduate Studies (1979 – 1982). Al has held visiting faculty positions at the Université Paris – Orsay (1978, 1985, 1989), Oxford University (1985), Ecole Européenne des Hautes Etudes des Industries Chimiques de Strasbourg (1995), Ecole Nationale Supérieure de Chimie de Paris (1995), Université J. Fourier de Grenoble (1996, 1999) and Université Paris-VII (2005, 2006). A bio-inorganic chemist, Al is a co-author of over 180 publications. Honors recognizing his research activities include a NATO Senior Scientist Fellowship (1978), Duke University Scholar–Teacher of the Year Award (1987), and a twelve month research professorship as Professeur de l'Académie, Chaire Elf - Académie des Sciences (1995). Al received the David and Janet Vaughn Brooks Distinguished Undergraduate Teaching Award from Duke University (2004) and a Distinguished Alumni Achievement Award from Knox College (2005).

Al has been an active member of the NC Section of the ACS since 1970 when he joined the Duke Faculty. ACS activities at the national level include membership on the Ad Hoc Task Force to Monitor Accounts of Chemical Research (1994 – 1995), Canvassing Committee for the ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry (1998 – 2001), Editorial Advisory Board of Inorganic Chemistry (1999 – 2002), International Activities Committee (1999 – 2007; currently cmtte Vice Chair, and Chair Subcommittee on Outreach to Developing Countries), Society Committee on Education (2002–2003), Alternate Councilor (1995–1998), and Councilor (1998 – 2006). Local activities include service as Chair of the NC Sectional Conference (1988), Symposium Co-Organizer (1988), Chairman of the NC Section, ACS (1989), Chair Nomination/Awards Committee (1990), Chair ad hoc TarHelium Committee (1992), Executive Committee Member (1988–91; 1998–2006), Ad Hoc Site Selection Committee for SERM 2004 (2000), Project Seed Mentor (2000–2005), and ad hoc Project Seed Cmtte member (2005–2006). Al was the 2003 recipient of the Marcus Hobbs Service Award.

**Richard
Palmer**

Richard A. Palmer

*For Councilor of ACS NC
Section*



Dr. Richard A. Palmer has served the NC Section of the ACS in some capacity almost continuously since the mid-1960's. NC ACS activities have included Program Committee (1967–1968); Chairman (1969, 1975); Nominating Committee (1985–1988); Awards Committee (1970–1971); Hospitality Committee (1972); Chairman of first Budget Committee (1977); Chair-Elect (1977); Chair (re-organized the Section budget procedures) (1978); Steering Committee for Symposium on High Tc Superconductors (1987); Co-Chairman of NC ACS Symposium on Chemistry at Surfaces and Interfaces (1988); Executive Committee, Councilor (1990–present); NC Distinguished Speaker Award Committee (1999); State Fair and National Chemistry Week Activities (2000); Chair, Budget Priorities Committee (2005–2006).

He has also served at the National ACS level on the Initial Task Force that established Project SEED through the Subcommittee on Education and Employment of the Disadvantaged (1968); represented the NC Section on the National Council (1990–present); served on the Joint Board-Council Committee on International Activities (1999–2005), and currently serves on the Council Committee on Meetings and Expositions.

Richard has also served other societies in a variety of capacities including the Coblenz Society on the Board of Managers (1992–1996); the Williams-Wright Symposium Chairman (1997); the Meggers Award Committee (1999–2001); President of the Duke Chapter of Sigma Xi during which time he coordinated the successful bid to relocate the National Headquarters to RTP (1988–1989); the Editorial Board of Applied Spectroscopy (1990–present); the Lippincott Award Committee (1999–2001); Chairman of the Nominations Committee for the Society of Applied Spectroscopy (2000–2001); Chair and Host of AIRS II (Second International Symposium on Advanced Infrared Spectroscopy), Durham, NC (1996); the International Advisory Committee for AIRS III, Vienna, Austria (1998); Chair of the International Steering Committee, ICAVS I (First International Conference on Advanced Vibrational Spectroscopy), Turku, Finland (2001); the International Steering Committee, 2D COS, Sanda (Osaka) (1999); and the Program Committee, FACSS (1998, 1999, 2000).

He is the coauthor (with W. E. Hatfield) of "Problems in Structural Inorganic Chemistry," (Publisher: New York, W. A. Benjamin, 1971), and over 140 research publications. He has received numerous honors and awards during his distinguished teaching career.

Russell E. Gorga*For Alternate Councilor of ACS NC Section*

Russell E. Gorga is an assistant professor in Textile Engineering at NC State University and a member of the graduate faculty in the Fiber and Polymer Science program. He is currently involved in creating novel nanocomposite fibers that can be used in the textile industry for high performance applications. His research interests include nanotube/polymer composites, melt spinning and extrusion, electrospinning, and interfacial properties between polymers and particles. Unique lab facilities include a small-scale mini-extruder (~ 5 g batch sizes) and a custom built melt-drawing apparatus which will be used in conjunction with a lab scale mini-extruder, in addition to mechanical and electrical testing apparatus. Dr. Gorga and colleagues were recently awarded an instrumentation grant from NSF for the acquisition of a state-of-the-art nanoindentation facility.



Before coming to NC State, Dr. Gorga was a post-doctoral associate at MIT where he worked on improving the strength of brittle polymers (such as poly methyl methacrylate). This work was carried out under Prof. Robert Cohen in the Department of Chemical Engineering. Earlier, Dr. Gorga worked as a research engineer at Union Carbide Corporation from 1997 through 2000, where he focused on structure-property relationships of semi-crystalline polymers for high strength commodity applications.

Dr. Gorga received a Master of Science in Chemical Engineering from Iowa State University where his doctoral work focused on developing relationships between molecular-micro-macro properties of polymer-polymer interfaces.

Chris Lowden*For Alternate Councilor of ACS NC Section*

Chris Lowden has worked as a medicinal chemist and cheminformatics scientist in the pharmaceutical and chemical research industries for the past 16 years. He received bachelor's degrees in Chemistry and Biochemistry from NC State University, as well as MS and PhD degrees in Medicinal Chemistry from the University of North Carolina at Chapel Hill.



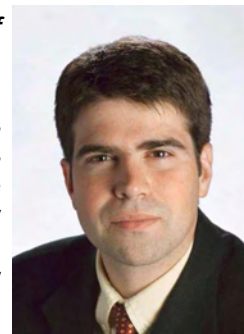
Currently, he is working as a technical account manager for SciTegic, Inc. a division of Accelrys, in support of data pipelining and computational chemistry products. In past years, he has served as vice president and president of the NC Younger Chemists' Committee, and as an alternate councilor for the NC ACS. He has organized, volunteered, and presented at numerous local ACS and YCC functions over the past 10 years.

Ken Lyle*For Alternate Councilor of ACS NC Section*

Ken Lyle currently serves as the lecture-demonstrator for the Department of Chemistry at Duke University providing support for the chemistry instructional program. He is the co-advisor for the Duke Chemistry Majors' Union, an undergraduate student organization for those interested in chemistry. And, he is actively involved in community chemistry outreach programs and presentations in the Triangle area as part of the Duke Initiative. Ken earned his BS in Education from the University of Tulsa, Masters in Education from the University of Houston, and recently completed his PhD in Chemistry at Purdue University. Prior to his doctoral studies, he served as a high school instructor of chemistry for 29 years in Houston, Texas. Ken has been actively involved in chemical education for more than 35 years as an instructor, a presenter at conferences, a workshop leader, and as an officer holding positions in local and state organizations. He has earned recognition for his efforts in chemical education receiving numerous local, state, and national awards.

**Nicholas H. Oberlies***For Alternate Councilor of ACS NC Section*

Nick Oberlies directs RTI's Natural Products Laboratory, where he leads a multidisciplinary effort to identify, isolate, and characterize new drug entities from natural

**Russell Gorga****Ken Lyle****Chris Lowden****Nick Oberlies**

Nick Oberlies (cont.)

sources, such as plants, mushrooms, and bacteria. Dr. Oberlies is principal investigator on a prestigious Research Scholar Grant from the American Cancer Society to study novel anticancer compounds from mushrooms. He was also principal investigator of an International Cooperative Biodiversity Group planning grant to study the biodiversity of Jordan. Dr. Oberlies was recognized for his technical prowess in 2005 with the Matt Suffness Young Investigator Award from the American Society of Pharmacognosy (ASP). He was recognized in 2004 by the *Triangle Business Journal* with their 40 under 40 Leadership Award, which honors accomplishments both in business and in the community. Dr. Oberlies received his B.S. in Chemistry from Miami University (OH) in 1992, and his PhD in Medicinal Chemistry and Pharmacognosy from Purdue in 1997.

ACS Meeting Locator

Meeting Locator

(<http://acswebapplications.acs.org/applications/meetinglocator/home.cfm>)

Use this link to stay up-to-date on meetings, workshops, short courses, and symposia both in the United States and abroad.



CASTING YOUR BALLOT

**VOTING DEADLINE:
BALLOTS MUST BE POSTMARKED
BY DECEMBER 15, 2006**

Please place your ballot into an envelope and place the plain, sealed envelope into a envelope. The outer envelope must be signed across the seal, and your name printed so that the Nominating Committee can verify your membership.

Please mail your ballot to:

**NC-ACS Local Section
c/o Sol Levine
1307 Legacy Green Ave.
Wake Forest, NC 27587**

**North Carolina Section
Ballot**

*Note: Multiple candidates are listed
alphabetically*

Chair-Elect:

- Jay M. Brown
- _____

Treasurer

- Joan Bursey
- _____

Councilor (Vote for two [2])

- Alvin Crumbliss
- Richard Palmer
- _____
- _____

Alt. Councilor (Vote for two [2])

- Russ Gorga
- Chris Lowden
- Ken Lyle
- Nick Oberlies
- _____
- _____

**NC ACS
Section
Ballot**

CHEMLUMINARY AWARDS CEREMONY RECOGNIZES NC ACS PROJECT SEED AND YCC

Two NC ACS programs were recognized as finalists at the 8th Annual Chemluminary Awards held on September 12, 2006 at the San Francisco Marriott Hotel during the 232nd ACS National Meeting in San Francisco, CA.

Committee on Project SEED -- Local Section Project SEED Award

Project SEED Director Ken Cutler attended the awards ceremony. The NC ACS Project SEED was a Chemluminary Finalist based on the accomplishments of the 2004-5 and 2005-6 classes.

With Ken Cutler as the Director and John Myers as Project SEED Committee Chair, 13 students completed the 2004-5 class in May 2005. The student's achievements were recognized with 14 national and regional awards, and the seniors generated over \$1 million in scholarship offers, including the inaugural North Carolina Student Academy of Science Charles E. Lytle Scholarship, a Presidential Scholarship at Hampton University and two Meyerhoff Scholarships at The University of Maryland Baltimore County.



Project SEED students focus during SAT preparation class

The new 2005-6 class (7 students supported by the NC ACS section) started the program this summer and worked for eight weeks at Duke University and UNC-Chapel Hill. They presented their work at a symposium held at CIIT Center for Health Research in RTP.

Our program, now in its 15th year, has added innovative enhancements to the core Project SEED program. These include classes to help prepare students for the future and a parents group to support the students and raise additional funds for many of these students to present papers (some invited) at regional and national meetings. Its many successes are evidenced by the

information above and recent news that 8 alumni of the program are now in graduate school.

Younger Chemists Committee -- Most Creative Local Section Younger Chemists Committee Event Award

Lisa Milstein attended the awards ceremony for the YCC, which was recognized for its work at the NC ACS display in the NBC-17 HealthFest (February 12-13, 2005). Over 35,000 attended the Festival, which offered free health exams, information, and other attractions. YCCers made up nearly half the volunteers. The display showcased the role that chemistry plays not only as a central science, but the basis for virtually all aspects of the life sciences and medicine. NC ACS volunteers included industry, academia, and government chemists who performed demonstrations throughout the event. An impressive highlight was the Main Stage performance by US House Representative David Price, who participated in several demonstrations, including the use of a tesla coil to light a fluorescent bulb held by Darrell Coleman. Bill Switzer dazzled the audience with liquid nitrogen and dry ice. He also had performances in the Seminar room each day which gave the audience a closer and more structured opportunity to participate.



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NC ACS at the State Fair

NC ACS at the State Fair



Photos courtesy of John Holland



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PROJECT SUC-SEED AWARDED \$1.3 MILLION GRANT

Project Suc-SEED, a partnership between the North Carolina Local Section of the American Chemical Society (NC ACS) and The Health Research and Education Foundation (HR&EF) at the CIIT Centers for Health Research (CIIT-CHR), has been awarded a 5-year grant totaling \$1,292,511 from the Burroughs Wellcome Fund (BWF).

Built on the ACS national Project SEED (Summer Educational Experience for the Disadvantaged), Project Suc-SEED seeks to support and encourage, talented disadvantaged North Carolina high school students to pursue graduate and professional school degrees in chemistry and chemistry-related science disciplines. Project Suc-SEED does this by providing a comprehensive educational experience that includes both active scientific research and training in important related skills. The core activity is an eight-week summer internship during which each student completes a chemistry or chemistry-related research project under the guidance and supervision of a scientist mentor at participating academic, industrial, or government research laboratories within the Research Triangle Area. This enables the students to practice high-level "hands-on" research and to receive individual instruction from scientists in the laboratory. An educational award (stipend) is provided to cover his/her living expenses and to offset the loss of summer employment. The ACS National Office contributes 50% of the stipend amount.

The existing Project SEED is a commuter program for up to 25 students from high schools in Wake, Durham, and Orange counties. The BWF grant will enable the program to expand to support up to 50 students per year, with half from counties outside the Research Triangle Area, with an emphasis on economically disadvantaged counties. A residential program at Duke University through the Duke Youth Services Program is planned to assist students from outside the Research Triangle Area during the summer internship.

The NCACS Project Suc-SEED enhances the national Project SEED by adding additional components, collectively termed


the Suc-SEED Academy, such as year-round mentoring and enrichment activities, test preparation classes, field trips, and participation in local, regional and national conferences. Extensive experience over 15 years has demonstrated that the research internships and Suc-SEED Academy components can successfully advance students to pursue degrees in the sciences. The Project Suc-SEED program has served approximately 100 students with 96% attending college

**Project
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Project Suc-SEED continued

(Continued from page 9 - Project Suc-SEED)

(100% over the last five years), 83% majoring in science or mathematics, 67% in chemistry, and 75% overall receiving full or partial scholarships. Student participants have matriculated to in-state institutions such as UNC-Chapel Hill, NCSU, Wake Forest University, NC Central University, Winston-Salem State University, East Carolina University, UNC-Greensboro, and NC A&T State University. Out of state institutions include MIT, Stanford, Dartmouth, Princeton, University of Florida, University of Miami, Hampton University, Howard University, Morehouse, Virginia Tech, and the University of Maryland-Baltimore County. Recent program alumni include nine students in doctoral programs and a Phi Beta Kappa member.

See the CIIT-CHR and BWF announcement below for additional information.

http://www.ciit.org/news_events/news_06/release2006_09_13.asp

KEY CONTACTS

Director, Project Suc-SEED

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Project Suc-SEED Committee

Joan Bursey - JoanMHB@aol.com

Alvin Crumbliss - Alvin.Crumbliss@duke.edu

Charlie Goss - charles.a.goss@gsk.com

John Myers - jmyers@ncsu.edu

Laura Sremaniak -

Laura_Sremaniak@ncsu.edu

Alan Tonelli - alan_tonelli@ncsu.edu

**NATIONAL CHEMISTRY WEEK
AT THE NC MUSEUM OF
NATURAL SCIENCES**

— *Contributed by Meredith Storms
University of North Carolina at Pembroke
National Chemistry Week Event Coordinator*

On Saturday, Oct 21, the Local Section teamed with staff at the NC Museum of Natural Sciences to provide a day of educational activities in celebration of National Chemistry Week (NCW). Chemistry stage shows and hands-on experiments at this outreach event were related to the 2006 theme, "Your House: It's All Built On Chemistry". Dr. Meredith Storms once again served the Local Section as the NCW event coordinator. She and her team of volunteers received many positive comments from the 2,450 people who visited the Museum during the event.

We appreciate all of the ACS volunteers and staff from the North Carolina Museum of Natural Sciences for making this outreach event a success!



Sol Levine from NCSU discussing the states of matter

Volunteers:

NC-ACS NCW Coordinator: *Meredith Storms (UNC-Pembroke)*

Broughton High School: *Pat Ligon*

Enloe High School: *Debbie Massengill*

North Carolina State University: *Sol Levine, Will Jones*

UNC-Pembroke: *Kristen Arnett, Sarah Gabell, Megan Grimsley, Samantha Hutcheson, Adam Jernigan, Joshua Locklear, Jessica Ortiz, Tim Ritter, Kristi Sinclair*

Scotland County Schools: *Eddie Blue, Rick Bloomer, Susan Clifton, Clifton Dial, Ray Durham, Sandy Lane, Pam Lewis, Billy Storms, Kathy Williams*

Eisai: *Johanna Bowman, Gina Stick, Tiffany Stick, Sally Evans, Christina Lamountain, Hiromi Price, Carroll Robb*

NC-SBI: *Jen Remy*

EPA: *Randy Harrison, Cynthia Yu, Suzanne Schwab*

Fayetteville State University: *Cevdet Akbay, Shubo Han*

Fuller Elementary: *Elizabeth Lee, Nancy Woodward*



Sandy Lane and Susan Clifton from Carver Middle School (Scotland County Schools) discuss water as a solvent and density

**National
Chemistry
Week**



Left: Johanna Bowman and others from Eisai enjoy making polymer snakes with visitors

Right: Randy Harrison from the EPA discusses iron in cereal

LAST CHANCE — Sign on for Savings
ELECTRONIC DISTRIBUTION OF THE TARHELIUM



Beginning in 2007, the TarHelium will no longer be mailed to the over 2,600 members of the Local Section. Instead, current and archived newsletter issues will be available on the Local Section's website (<http://membership.acs.org/N/NCarolina/index.html>). This change will result in a significant cost savings for the Section, which will be utilized to further enhance chemistry in our area (scholarships, discussions groups, etc.).

- Newsletter issues will be posted online in September, November, February, and April of each calendar year.
- If you would NOT like to receive a notification e-mail indicating that a new issue is available online, please contact Nicolle Tolve (tolve.nicolle@epa.gov).
- If you would prefer a hard copy sent to you through the mail, please send an e-mail to Nicolle Tolve (tolve.nicolle@epa.gov) that includes your name and full mailing address, or complete the form below and mail to the provided address. *If you have already requested continued receipt of a hard copy of the TarHelium by mail, there is no need to send your request again – it has been received.*

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Election Issue

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THE TARHELIUM

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NC Section Electronic Communications

The NC Section of the ACS offers two services which may be of interest to members: 1) a list server and 2) a web page: <http://membership.acs.org/N/NCarolina/>.

The list server is used for ACS meeting announcements and for job announcements. Unlike some lists, the number of postings is quite limited--usually no more than 3 or 4 a month. This list is moderated, which means that all messages must be approved by the list owner before they are posted. If you have a valid opening within the NC Section, please mail an appropriate announcement to bill_switzer@ncsu.edu. Very occasionally openings outside of the NC Section are posted. If you wish to subscribe, address mail to: mj2@lists.ncsu.edu The subject field is ignored, but in the message field type: **subscribe NCACS**. Your return address becomes your subscription address. These instructions as well as those for removing your name are linked to the web page.

If you have not looked at the web page recently, please do so. The Executive Committee is committed to making this page a useful resource. It is constantly being updated to include new information. Please feel free to suggest additional links and PLEASE offer to take responsibility for maintaining one or more of the local links. Contact: bill_switzer@ncsu.edu.