



Keith E. Levine, *Editor*

Judi Price, *Copy Editor*
Sol Levine, *Address Information*
Custom Mail Solutions,
Printing/Mailing



NCACS EXECUTIVE COMMITTEE

J. A. Myers, Chair 2003
D. S. Coleman, Chair Elect
S. Levine, Secretary
J. T. Bursey, Treasurer

The TarHelium

Volume 34: Number 2
Keith E. Levine, *Editor*
RTI International
3040 Cornwallis Rd.
P. O. Box 12194
RTP, NC 27709-2194

ACS Exhibit at the 2003 North Carolina State Fair *Formation of 2004 State Fair Committee*

The Chemistry Stage Show and Exhibit at the 2003 North Carolina State Fair, which ran from October 17th – 26th, was very successful. Volunteers from throughout the Local Section (Bayer; Campbell; Cardinal Health; Dow Reichhold; Duke; Eli Lilly; GSK; IBM; NCCU; NCSU; PPD Discovery; Priest and Goldstein, PLLC; UNC-CH; USEPA; and the Senior Chemists Committee) conducted chemical demonstrations and hands-on activities for the thousands of people who passed through the “Healthy Farms and Healthy Families” tent during the fair. Darrell Coleman and Bill Switzer, the Exhibit organizers, would like to thank the listed volunteers (page 9) on behalf of the Local Section for their service at this important community outreach event.



In order to build on the success of this and previous exhibits at the fair, the Local Section is looking to form a 2004 State Fair Committee. The primary objectives of this committee will be to increase the participation level of the Local Section’s membership at the exhibit and to gather feedback from previous exhibit volunteers on how to create an even better event. The committee may also be involved with developing/ fine-tuning chemical demonstrations, creating a sign detailing the names/ affiliations of exhibit volunteers, and increasing the involvement of senior chemists at the exhibit.



Jim Chao demonstrating a Pascal diver with fellow volunteer Lauryn Sass.

If you would like to serve on this committee, please contact Darrell Coleman

(dscoleman@lilly.com).
(pictures continued on page 9)

**NCACS
Section Ballot**
see page 6

UPDATE YOUR CHANGE OF ADDRESS

With each mailing of the TarHelium, there are always some returned to the section (at a fee) due to an incorrect or obsolete address. To make sure you receive your local section information on time, notify the ACS with any address changes. To update your records online, just log onto

<http://center.acs.org/applications/addrupdate/addrchange.cfm>



**NCACS
EXECUTIVE
COMMITTEE**

J. A. Myers, Chair 2003
D.S. Coleman, Chair Elect
S. Levine, Secretary
J. T. Bursey, Treasurer
K. E. Levine, Editor
A. L. Crumbliss
R. A. Palmer
J. L. Chao
E. C. Bigham
R. W. Morrison, Jr.
R. M. Forbis
S. T. Purrington
S. Sendlinger
E. T. Samulski
W. Powell
W. L. Switzer,
G. H. Wahl, Jr.
C. M. Balik
S. J. Summer
M. M. Bursey
K. A. Cutler
E. L. Eliel
D. G. Morgan, TAMS
K. Caster, PDG
A. Malik, TCDG
T. M. O'Connell, TMRDG

Dan Morgan

NC SECTION ACS CONTINUING OFFICERS

These offices are not currently up for election.

Chair: Darrell Coleman
(through 2004)

Treasurer: Joan Bursey
(through 2004)

Councilor: Eric Bigham
(through 2004)

Bob Morrison
(through 2004)

Jim Chao
(through 2005)

Alt. Councilor: Bill Switzer
(through 2004)

Dick Forbis
(through 2004)

Shawn Sendlinger
(through 2005)

NC SECTION ACS OFFICERS FOR ELECTION

Chair- Elect: Dan Morgan
(1-year term)

The Chair-Elect manages the section's program of meetings, assists the Chair with the management of the section, and represents the Chair in his or her absence.

Secretary: Sol Levine
(2-year term)

The Secretary maintains all current files and records of the section.

Councilor: Jay M. Brown
(3-year term)
Al Crumbliss
Richard Palmer

Councilors represent the section at National Council Meetings of the American Chemical Society.

Alt. Councilor: Nick Oberlies
(3-year term)
Walda Powell
Ed Samulski
Laura Sremaniak

Alternate Councilors represent the section in the absence of a Councilor at National Council meetings of the American Chemical Society.



Dan Morgan GlaxoSmithKline



Daniel Morgan is an Investigator with GlaxoSmithKline, where he is responsible for providing qualitative and quantitative mass spectrometry support in the Drug Metabolism and Pharmacokinetic Department. He graduated with a B.S. in Chemistry from Fairmont State College

in Fairmont, WV, and obtained his M.S (1991) and Ph.D. (1994) degrees under the guidance of Professor Emeritus Maurice Bursey at The University of North Carolina at Chapel Hill.

Since 1997, he has served as a co-chair for the Triangle Area Mass Spectrometry (TAMS) Discussion Group, where he is responsible for developing an e-mail distribution announcement system, the TAMS web page, and coordination of area meetings. Dr. Morgan's research interests include investigating gas phase

ion-molecule interactions and the coupling of supercritical fluid chromatography with mass spectrometry. He is also a member of the American Society for Mass Spectrometry.



Sol Levine

Sol Levine has been the secretary for the North Carolina Section for the past 4 years. He served on the SERM 1998 committee as the

Registration Chairman and is currently the General Chair for the SERM 2004 Meeting, which will be hosted by our section next November. Sol has also worked on the State Fair Committee (including working at the Fair in the Section's booth) and on other National Chemistry Week activities.

Sol recently retired after several years of teaching at NCSU (as Lecturer Emeritus) and at Durham Technical Community College. Prior to that, he worked for almost 29 years at IBM in Burlington, Poughkeepsie, Endicott and Bromont, Quebec. In both Poughkeepsie and Endicott, Sol was active in local ACS sections as Program Chair, Outreach Chair and in various other positions. He presently spends his time working for the ACS, spoiling his grandchildren and operating a nature and wildlife photography business.



Jay M. Brown

Priest & Goldstein,
PLLC

Jay M. Brown received his B.A. cum laude in Chemistry from Dartmouth College in

1978. Mr. Brown earned his 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 of counsel to the law firm of Priest & Goldstein, PLLC, of Durham. He has been engaged in the practice of intellectual property and commercial law for over twenty years. Mr. Brown's technical

expertise extends to chemical, biotechnological and pharmaceutical compositions, formulations and manufacturing processes; food chemistry; semiconductors; laser systems; business methods and equipment; fiber optics; and telecommunications systems. He provides legal counsel regarding preparation and prosecution of patent applications, infringement and validity opinions, due diligence, European patent oppositions, intellectual property strategy, and negotiation and preparation of intellectual property license and commercial agreements.

Mr. Brown is committed to contributing his expertise regarding intellectual property law to ACS both for the North Carolina Section and at the national level. He intends to share practical knowledge, particularly regarding procurement and enforcement of patents and other intellectual property rights, with the local scientific community and with ACS. Although new both to ACS and to North Carolina, Mr. Brown has already shown support for the NC Section by performing chemistry and physics demonstrations and helping children make filter paper butterflies in two separate sessions at the ACS booth at the recent NC State Fair. Mr. Brown also currently is a contributing member of the chemistry / biotechnology subcommittee of the intellectual property section of the NC State Bar Association. Examples of previous leadership roles in which Mr. Brown served include chairing his 15th and co-chairing his 20th college reunions, chairing multiyear fundraising efforts for his college class, and chairing the successful planning and execution of a professional meeting at the Waldorf-Astoria hotel attended by over two thousand people.



Alvin L. Crumbliss

Duke University

Al Crumbliss is currently Professor of Chemistry at Duke University and has held various administrative positions including Chairman (1991 -1995) and Director of Undergraduate Studies (1979 - 1982). Al has

Sol Levine

Jay
Brown

Alvin
Crumbliss

**Richard
Palmer**

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), and Université J. Fourier de Grenoble (1996, 1999). He has been an invited lecturer at numerous international meetings and was the Swiss Universities Troisième Cycle Lecturer in Inorganic Chemistry (1999). A bio-inorganic chemist, Al is a co-author of approximately 170 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 co-sponsored by the French Academy of Science, Centre National de la Recherche Scientifique, and Elf-Aquitaine (Professeur de l'Académie, Chaire Elf - Académie des Sciences, 1995).

Al has been an active, contributing member of the North Carolina Section of the American Chemical Society 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 Dist. Service in the Advancement of Inorganic Chemistry (1998 – 2001), Editorial Advisory Board of Inorganic Chemistry (1999 – 2002), International Activities Committee (1999 – 2004; currently committee Vice Chair, sub-committee on International Policies, Chair and co-organizer Latin American Chemical Society Workshop), Society Committee on Education (2002-2003; Associate), Alternate Councilor (1995-1998), and Councilor (1998 – 2003). At the local level, 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; 1998–2003), Ad Hoc Site Selection Committee for SERM

2004 (2000), and Project Seed Mentor (2000-2002). Al was the 2003 recipient of the Marcus Hobbs Service Award.



Richard Palmer
Duke University

Richard Palmer is currently Professor of Chemistry at Duke University. He received his B.S. degree in chemistry Magna cum laude from the University of Texas, Austin, and his M.S. and Ph.D. degrees in inorganic chemistry from the University of Illinois, Urbana, working with T. S. Piper. Following a NIH postdoctoral fellowship with C. J. Ballhausen at the H. C. Ørsted Institute, University of Copenhagen, he joined the Chemistry Department faculty at Duke University in 1966. He has served Duke University in several capacities, including Director of Graduate Studies in Chemistry and Director of Chemistry for Executives. He has held visiting positions at the University of Texas, the University of Virginia, the Ecole Supérieure de Physique et Chimie, Paris, Los Alamos National Laboratory, the Forschungszentrum, Karlsruhe, and the Albert Ludwig's University, Freiburg. In 2002 he was the recipient of the Alexander von Humboldt Senior Research Award.

Richard's research career spans various aspects of spectroscopy applied to the structure of coordination compounds, polymers, and liquid crystals. He has been active in professional societies outside the ACS including Sigma Xi, the Coblenz Society, and the Society for Applied Spectroscopy, serving on editorial boards (Applied Spectroscopy), national committees, and as a tour speaker and symposium organizer. His current research projects include work in the following areas: time-resolved Fourier transform infrared spectroscopy in the microsecond to picosecond regime of transient photoexcited states in transition metal compounds and bio-molecules, dynamic infrared optorheology of organic polymers, infrared photoacoustic spectral depth profiling, dynamic infrared study of electro-

reorientation of liquid crystals, development of new techniques of infrared spectral imaging and the use of synchrotron radiation for time-resolved infrared spectroscopy and imaging.

During Richard's 35-year membership in the North Carolina Section of the ACS, he has been active at both the local and national levels. In 1968 he was a member of the National ACS Task Force that established Project SEED and currently participates on the local steering committee for the NC Section's SEED program. He was President of NC/ACS in 1977, during which time he established the first formal budget for the Section. Over the years, he has been involved in the scientific programs of the Section, including leadership roles in the symposia on High Tc Superconductors (1987) and Chemistry at Surfaces and Interfaces (1988). For the past 10 years he has been a member of the NC/ACS Executive Committee and has represented the Section as a National Councillor. In conjunction with his service as Councillor, he is a member of the Joint Board-Council Committee on International Activities. He is also currently Co-Program Chair (Invited Symposia) for the 2004 Southeast Regional Meeting of the ACS to be held in Research Triangle Park.



Nicholas Oberlies
RTI Natural Products
Laboratory

Nick Oberlies is the director of RTI's Natural Products Laboratory. Along with Dr. Wani, Dr.

Oberlies leads a multidisciplinary effort to identify, isolate, and characterize new drug entities from natural sources such as plants, mushrooms, and bacteria. At RTI since 1998, he was selected by Dr. Wall to train as his successor. Dr. Oberlies was recently recognized by the American Cancer Society with a Research Scholar Grant to study novel anticancer compounds from mushrooms. The NC Section of the American Chemical Society has also recognized him with the Chair's Award for his efforts in securing an ACS National Chemical Historic Landmark at Research Triangle Institute for the discovery of taxol and camptothecin.

Dr. Oberlies earned his B.S. in chemistry from Miami University, Oxford, Ohio, and his Ph.D. in medicinal chemistry and pharmacognosy from Purdue University, West Lafayette, Indiana, where he studied under Professor Jerry McLaughlin. He completed a postdoctoral fellowship at American Cyanamid in Princeton, New Jersey before joining RTI. He was recognized for his graduate work with the Kilmer Prize, an honor awarded jointly by the American Society of Pharmacognosy and the American Pharmaceutical Association.



Walda Powell
Meredith College

Walda J. Powell is an associate professor at Meredith College in Raleigh. Starting her ninth year at Meredith, Walda teaches General and Organic Chemistry as well as Chemistry in Society. Her research interest focuses on the synthesis of fluorinated compounds as well as compounds of biological interest. With funding from Glaxo-Wellcome, she has worked with the Undergraduate Research Opportunity Program for the last three years supporting undergraduate research in the Sciences, Math and Computer Science Departments at Meredith College. This funding has also allowed her to mentor a science club for students at Leesville Road Middle School, with the support of Meredith science faculty and Leesville science faculty. She has also conducted a summer science camp for middle school girls with Dr. Larry Grimes. A recent grant from Progress Energy will support the summer camp for at least three more years. Walda is presently on sabbatical at UNC-Chapel Hill, in the lab of Professor Richard Wolfenden, exploring synthetic routes to novel nucleotides.

Walda Powell earned her B.S. and Ph.D. degrees in Chemistry from NCSU, where she studied under Professor S.T. Purrington. She completed a postdoctoral position with Professor Richard Wolfenden before joining Boron Biological, Inc. Walda worked as a research chemist for six years before joining Meredith College in 1995.

**Nick
Oberlies**

**Walda
Powell**



Ed Samulski

UNC-Chapel Hill

Ed Samulski received his B.S. degree from Clemson University (Textile Chemistry) and his Ph.D. from Princeton, where he worked with Arthur Tobolsky on liquid crystalline polymers. Following postdoctoral positions in Groningen and Austin, he accepted an assistant professorship at the University of Connecticut. While serving on the Connecticut faculty, Ed worked with deuterium NMR, and eventually created a new application for this technique (which he called "Rheo-NMR") detecting shear-induced phenomena in polymer fluids and liquid crystals. In 1988, the University of North Carolina at Chapel Hill recruited him to start its polymer chemistry program, now one of the top programs of its kind in the country. On June 30, 2000, Ed concluded a five-year stint as Chair of the Department of Chemistry at UNC-CH. He currently holds the Cary Boshamer Professorship at UNC-CH.

Ed
Samulski



Laura Sremaniak

NCSU

Laura Sremaniak received a B.S. in Chemistry from the University of South Carolina in 1991, and a Ph.D. in Chemistry from the University of North Carolina at Chapel Hill in 1996. She has been a lecturer in the Department of Chemistry at NC State University since 1996, where she teaches physical and general chemistry. She has been involved with chemical education initiatives including pedagogy in large lectures, technology in the classroom and curriculum reforms. Her research interests include electronic structure calculations of molecules at metal and oxide surfaces. Laura has been a member of the ACS since 1990.

Laura
Sremaniak

BALLOT

CASTING YOUR BALLOT

Voting Deadline:
Ballots Must Be Postmarked by November 28, 2003.

Please place your ballot in a plain, sealed envelope and place the sealed envelope in a second 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: Dr. Sol Levine
110 Skylark Way
Raleigh, NC 27615

BALLOT

Return by 11/28/03

CHAIR-ELECT (vote for 1):

- Dan Morgan

SECRETARY (vote for 1):

- Sol Levine

COUNCILOR (vote for 2):

- Jay M. Brown
 Al Crumbliss
 Richard Palmer

ALTERNATE COUNCILOR (vote for 2):

- Nick Oberlies
 Walda Powell
 Ed Samulski
 Laura Sremaniak

National Chemistry Week at the NC Museum of Natural Sciences

On Sunday, October 26th, 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). Chemists and students from across the area attended this "Chemistry Day" event, which set an attendance record with 1,960 visitors. Attendees learned about acid rain, density, chromatography, ozone, spectra of gaseous chemicals, the carbon cycle, dry ice, and liquid nitrogen from one of five interactive tables and four demonstrations. The Local Section's NCW event coordinator, Amanda Harper, provided the names of the volunteers listed below and thanked them for doing a great job.



NC-ACS Coordinator: Amanda Harper, UNC-CH
Museum Coordinators: Bob Flook, Erin Macentee

Volunteers:

Romita Sen, Meredith College
 Con McCormick, Meredith College
 Jennifer Schrum, Meredith College
 Janna Edwards, Meredith College
 Elizabeth Godard, Meredith College
 Alita Gholizadeh, Meredith College
 Melissa Stone, Meredith College

Ganesan Vaidyanathan, Duke

Meredith Storms, UNC-P
 Billy Storms, UNC-P
 ChaMarra Saner, UNC-P
 James Evans, UNC-P
 Audrey Kingston, UNC-P
 Mick Hurrey, UNC-CH

Jamie Harwood, NCSU
 Bill Switzer, NCSU
 Maury Balik, NCSU
 John Meyers, NCCU
 James Schooler, NCCU
 Lyn Francisco, NCCU
 Nicole Greene, NCSU
 Phil Brown, NCSU
 Charles Workman, NCSU

Joyce Schuman, NCSU
 David Hitt, NCSU
 Kathleen Hatcher, NCSU
 Jamie Pike, NCSU
 Vern Summerfelt, retiree

National
 Chemistry
 Week



Bill Switzer (NCSU) demonstrates, with the help of an audience member, the compressibility of gases and liquids.



Meredith Storms (UNC-Pembroke) assists a future chemist with her first acid/base reaction.

Local Section Volunteers at Work at National Chemistry Week

Jennifer Schrum (Meredith College) helps visitors observe different light sources with a spectrograph.



Maury Balik (NCSU) helps a young visitor learn the concept of density with soda cans and water.

NC State Fair Volunteers:

Leticia Atkinson	Cristen Keary	Richard Palmer
Thomas Bagley	Patrick Kinley	Karin Pihel
Maury Balik	Ken Krebs	Anthony Radewicz
Alan Barber	Kathy Lawrence	Lauryn Sass
Brent Beck	Angela Liu	Daniel Shin
Shan Biggers	Chris Lowden	Vern Summerfelt
Jessie Bishop	Celeste MacMillen	Bill Switzer
Jay Brown	Dorothy Miner	Pete Vandeberg
Jim Chao	John Myers	Seth Weaver
Matt Clapham	Assumpta Omenichukwe	
Darrell Coleman	Charles Orji	
Dwayne Coleman		
Wendy Cook		
Candi Cunningham		
Ido Dagan		
Meghan Flaherty		
Dick Forbis		
Mike Franklin		
Maria Galardo-Williams		
John Holland		
Mick Hurrey		
Ivan Jewett		
Chinlun Jou		
Constantine Kazmierski		
Maria Kazmierski		



NC State Fair
Volunteers



John Myers making chromatography bufferflies with some young fairgoers.

ACS CAREER CONSULTANT PROGRAM

Biotech and Pharmaceutical Scientists Encouraged to Apply

If you are employed in the biotech or pharmaceutical industries and are a member of the ACS North Carolina Local Section, then you may be a prime candidate to serve as a volunteer consultant in the American Chemical Society's Career Consultant Program.

The program, established in 1989, pairs chemists at all career stages with an experienced consultant for one-on-one assistance in any aspect of employment and career development. More than 70 volunteer consultants are available to assist members with job search strategies, interviewing techniques, career transitioning, salaries, resumes, or starting a private consulting business. You name it! For more information, visit <http://www.chemistry.org/careers>

To request a career consultant, contact Tiffany Williams at (800) 227-5558, ext. 6210 or (202) 872-6210, or e-mail her at t_williams@acs.org. Please send your resume with a cover letter stating your current career situation. You will receive a cover letter (usually by e-mail) with your consultant's name, phone number, and e-mail address. ACS will forward your request and resume to the assigned consultant. You initiate contact with the consultant. If you would like to volunteer to serve as a consultant, contact Ms. Karen Dyson, Senior Staff Associate, at (800) 227-5558, X4432 or (202) 872-4432 for an application, or send e-mail to k_dyson@acs.org. You will be asked to submit an application, a resume and letters of recommendation from two other ACS members. The application is reviewed by the Committee on Economic and Professional Affairs.

Submitted by Bruce Millar, ACS Senior Membership Associate

ACS
Career
Consultant
Program

The TarHelium Volume 34: Number 2

Keith E. Levine, Editor
RTI International, 3040 Cornwallis Road
P. O. Box 12194, RTP, NC 27709-2194

**ELECTION ISSUE
BALLOT ENCLOSED**

PRST STD
US POSTAGE
PAID
RALEIGH, NC
PERMIT #1854

Executive Committee:

<i>J. A. Myers (NCCU), Chair '03</i>	530-6461	jmyers@upo.nccu.edu
<i>D. Coleman (Eli Lilly-Sphinx), Chair-Elect '04</i>	314-4352	dscoleman@lilly.com
<i>S. Levine (NCSU, Ret.), Secretary '02-'03</i>	676-3740	naturpix@mindspring.com
<i>J. T. Bursey (ERG), Treasurer '01-'02</i>	468-7926	joan.bursey@erg.com
<i>B. E. Sturgeon (UNC), TH Editor '00-2003</i>	962-1616	bes@email.wcu.edu
<i>K. E. Levine (RTI), TH Editor 2003-present</i>	541-8886	levine@rti.org
<i>A. L. Crumbliss (Duke), Councilor '01-'03</i>	660-1540	alc@chem.duke.edu
<i>R. A. Palmer (Duke), Councilor '01-'03</i>	660-1539	rap@chem.duke.edu
<i>J. L. Chao (IBM), Councilor '00-'02</i>	543-3054	jlchao@us.ibm.com
<i>E. C. Bigham (GSK), Councilor '02-'04</i>	483-9844	ecb12781@gsk.com
<i>R. W. Morrison, Jr. (NCSU), Councilor '02-'04</i>	515-2549	robert_morrison@ncsu.edu
<i>R. M. Forbis (UNC), Alt. Councilor, '02-'04</i>	962-2096	dick_forbis@unc.edu
<i>S. Sendlinger (NCCU), Alt. Councilor, '02-'04</i>	560-6297	ssendlin@wpo.nccu.edu
<i>S. T. Purrington (NCSU), Alt. Councilor, '01-'03</i>	515-2864	purringt@chemdept.chem.ncsu.edu
<i>E. T. Samulski (UNC), Alt. Councilor, '01-'03</i>	962-1562	et@unc.edu
<i>W. Powell (Meredith), Alt. Councilor '00-'02</i>	760-8619	powellw@meredith.edu
<i>W. L. Switzer (NCSU), Alt. Councilor '02-'04</i>	515-2945	bill_switzer@ncsu.edu
<i>S. J. Sumner (CIIT), Past Chair '02</i>	558-1343	sumner@ciit.org
<i>G. H. Wahl, Jr. (NCSU), Past Chair '99</i>	515-2941	george_wahl@ncsu.edu
<i>C. M. Balik (NCSU), Past Chair, '01</i>	515-2126	balik@ncsu.edu
<i>M. M. Bursey (UNC), Ex Officio</i>	493-3025	mbursey@acs.org
<i>K. A. Cutler (NCCU), Project Seed Ex Officio</i>	530-7004	kcutter@wpo.nccu.edu
<i>E. L. Eliel (UC), Ex Officio</i>	962-6198	eliel@email.unc.edu
<i>D. G. Morgan (GSK), TAMS, Ex Officio</i>	483-4291	dm19700@gsk.com
<i>D. Canelas (Lord), PDG, Ex Officio</i>	469-2500	dorian_canelas@lord.com
<i>A. Malik (Wyeth), TCDG, Ex Officio</i>		malik@wyeth.com
<i>T. M. O'Connell (GSK), TMRDG, Ex Officio</i>	483-1535	tmo89509@gsk.com

Dated Material - Please Deliver Promptly

THE TARHELIUM

The TarHelium is a publication of the North Carolina Section of the American Chemical Society. The views expressed herein are not necessarily those of the Section. Public lectures and seminars as well as announcements of interest to the ACS membership will be listed as deemed appropriate by the editor and as space permits. Short commentaries or contributed articles will also be considered. Also, we are happy to publicize, free of charge, any job openings for chemists. We also accept paid advertisements for more extensive recruiting announcements. The Deadline for each publication is usually the first of the month prior to publication.

NC Section Electronic Communications

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

The listserv 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: listserv@listserv.ncsu.edu. The subject field is ignored, but in the message field type: `subscribe ncacs first_name last_name`. Your name is required; spaces are allowed. 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. ■