# The TarHelium

Volume 35, Issue 2 November 2004

**Keith E. Levine, *Editor***

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

**Meet the Candidates**
**Page 2**

**NCACS EXECUTIVE COMMITTEE**

D. Coleman, Chair 2004
D. Morgan, Chair-Elect
S. Levine, Secretary
J. T. Bursey, Treasurer

***The TarHelium***
Volume 35: Number 2
Keith E. Levine, *Editor*
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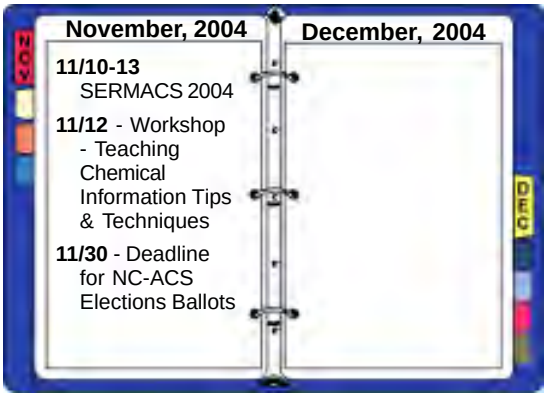



## ACS EXHIBIT AT THE 2004 NORTH CAROLINA STATE FAIR

The Local Section's Chemistry Stage Show and Exhibit at the 2004 North Carolina State Fair, which ran from October 15th through the 24th, was a successful community outreach event. Volunteers from across the Local Section (BASF; Bayer; Campbell University; Cardinal Health; Dow Reichhold; Duke University; Eli Lilly; IBM; Meredith College; North Carolina Central University; North Carolina State University; RTI International; Synthematix; University of North Carolina at Chapel Hill) conducted chemical demonstrations and helped with chemistry activities for the thousands of people who passed through the "Healthy Farms and Healthy Families" tent during the fair. Perhaps the most popular hands-on activities during the exhibit were the extraction of iron from breakfast cereal and making chromatography butterflies.

Laura Sremaniak, John Holland, and Jim Ellison, members of the Local Section's State Fair Exhibit Organizing Committee, would like to thank the many volunteers listed below on behalf of the American Chemical Society for their service. They would also like to pass along a special thank you to Sol Levine and Darrell Coleman for conducting the very popular chemistry "magic shows" during the fair.

If you are interested in helping to organize the Local Section's Chemistry Stage Show and Exhibit at the 2005 North Carolina State Fair, please contact Laura Sremaniak (lssreman@pams.ncsu.edu).

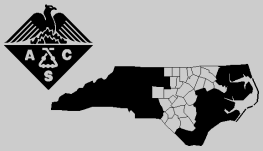
**Volunteers and additional pictures of the exhibit are listed on page 8.**

*Patrick Healy shows children the iron in breakfast cereal*

## UPDATE YOUR MAILING 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*

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R. A. Palmer
J. L. Chao
E. C. Bigham
R. W. Morrison, Jr.
R. M. Forbis
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N. Oberlies
L. Sremaniak
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C. M. Balik
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M. M. Bursey
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E. L. Eliel
K. Caster, PDG
A. Malek, TCDG
T. M. O'Connell, TMRDG
Chris Lowden, YCC
R. Theuer - SCC

## NC SECTION ACS OFFICERS FOR ELECTION

| | |
|---|---|
| **Chair- Elect:** *(2-year term)* | **Charles Goss** **Kenneth Tomer** |
| **Treasurer:** *(2-year term)* | **Joan Bursey** |
| **Councilor:** *(3-year term)* | **Eric Bigham** **Robert Morrison** |
| **Alt. Councilor:** *(3-year term)* | **Richard Forbis** **Alan Tonelli** |

## NC SECTION ACS CONTINUING OFFICERS

***These offices are not currently up for election.***

**Chair : Dan Morgan** (through 2005)

**Secretary: Sol Levine** (through 2005)

**Councilor : A. L. Crumbliss, R. A. Palmer,Jim Chao**

**Alt. Councilor: L. Sremaniak Shawn Sendlinger**

**Charles Goss**

# CHAIR-ELECT

## CHARLES GOSS

Charlie Goss is an Investigator in the Chemical Development Analytical Sciences Department at GlaxoSmithKline. His main role is to work with cross-functional drug development teams to provide analytical chemistry support for drug substances used in pre-clinical and clinical studies. He also serves as a technical resource in several areas such as separation sciences, electrochemistry, microscopy and new analytical technologies.

He received a B.A. (1985) in chemistry from Cornell University in Ithaca, NY, where he worked with Prof. Hector Abruña to synthesize new transition metal complexes containing ligand-based redox centers and to characterize their spectral, electrochemical and electrocatalytic properties. He obtained a Ph.D. (1990) in physical chemistry from the University of California at Berkeley for work with Prof. Marcin Majda to quantify lateral charge transport in self-assembled surfactant bilayers using microfabricated interdigitated array electrodes with new electrochemical methods and computer simulations. As a post-doctoral fellow with Prof. Royce Murray at UNC-Chapel Hill (1990-1992), he used a variety of electrochemical and microscopy tools (optical, AFM, STM, SEM-EDX, Auger) to image electrochemical deposition of ultrathin (5-10 nm) dielectric polymer films, create laterally heterogeneous polymer nanostructures, and characterize surface blistering and layer-by-layer dissolution of graphite during anodic oxidation.

He began his pharmaceutical industry career in 1992 as a post-doctoral fellow in the Analytical Development Laboratories at Burroughs Wellcome Co., where he helped to construct a high-sensitivity laser-based optical rotation detector for HPLC and used it to determine enantiomeric purity, identify impurities, and to measure specific rotations for difficult samples. He also started to learn how to develop new analytical methods (HPLC, CE, GC, titrations, polarimetry, spectroscopy, ROI, etc.) to support drug development. The excitement and personal satisfaction he found in this research area led him to join Burroughs Wellcome

permanently in 1994, and he has continued to advance drug development in positions of increasing responsibility at Glaxo Wellcome and now GlaxoSmithKline.

His ACS service includes the Organizing Committees for SERMACS 1998 and SERMACS 2004, reviewer for *Langmuir* and *Analytical Chemistry* (since 1992), and reviewer for ACS Analytical Chemistry Fellowship applications (since 2000). He also coordinates the GlaxoSmithKline Seminar Series on Analytical Chemistry at UNC-Chapel Hill (since 1997) and is an associate editor for *GSK Chemicus*, a GlaxoSmithKline chemistry journal (since 2001).


## KEN TOMER

Kenneth Tomer is a Senior Investigator at NIEHS and is head of the Mass Spectrometry Workgroup in the Laboratory of Structural Biology. He received his B.S. degree in chemistry from Ohio State University in 1966 and his Ph.D. in organic chemistry from the University of Colorado in 1970. After one year of postdoctoral study at the H.C. Ørsted Institute (University of Copenhagen) and Stanford University (with Carl Djerassi), he held positions as Assistant Professor of chemistry (Brooklyn College/City University of New York) and Research Assistant Professor (University of Pennsylvania Medical School) before joining RTI from 1977-1981. From 1981 to 1986, Ken was Assistant/Associate Director of the Midwest Center for Mass Spectrometry and Associate Research Professor at the University of Nebraska. In 1986, he joined NIEHS as a Senior Investigator. In addition to his current position at NIEHS, he is an Adjunct Professor in the Oral Biology Program of the UNC School of Dentistry and has held visiting positions at Konstanz University in Germany and the University of Aveiro in Portugal.

Ken has served as a co-chair of the Triangle Area Mass Spectrometry (TAMS) Discussion Group since 1988. He has most recently organized the symposium 'Protein Characterization by Mass Spectrometry' at the 2004 Southeast Regional ACS meeting.

Ken's research interests are focused on the application of mass spectrometry to structural studies of proteins and protein interactions, to determination of epitopes recognized by anti-HIV antibodies, and to proteomics (as part of the NIEHS National Center for Toxicogenomics). He has co-authored approximately 250 publications and served on the editorial boards of Biological Mass Spectrometry, Journal of the American Society for Mass Spectrometry, Journal of Capillary Electrophoresis and Biomolecular Engineering.

**Ken Tomer**

# TREASURER

## JOAN T. BURSEY


Joan Bursey, the incumbent treasurer, was born in Omaha, Nebraska, and received a B.S. degree (in chemistry and mathematics) from The Creighton University in Omaha, and a Ph.D. in chemistry (1969) from the University of California (Berkley). She moved to North Carolina as a post-doctoral fellow at the University of North Carolina at

**Joan Bursey**

Chapel Hill, working for Professor Maurice Bursey (the faculty advisor who found a permanent job for at least one post-doctoral fellow!!). Joan worked at the Research Triangle Institute for 14 years, then at Radian Corporation from 1984 to 1996, when (due to ownership changes at Radian and organizational conflict of interest with EPA) Radian's EPA contracts were sold to the Eastern Research Group (ERG). The Radian staff required to complete work on these contracts was then employed by ERG, where Joan worked until earlier this year. Dr. Bursey's research interests are in environmental methods development and evaluation, both for stationary sources and ambient air. Dr. Bursey is a reviewer for Analytical Chemistry and is a frequent participant in EPA peer review panels for Small Business Innovative Research.

**Joan Bursey**

# COUNCILOR

## ERIC C. BIGHAM

**Eric Bigham**

Eric Bingham was born in 1947. His academic record includes a BS at North Carolina State University in 1969, a MA in 1971 and PhD in 1975 from Princeton University.

He has received the Marcus Hobbs Service Award, North Carolina Section, ACS, 1991; Distinguished Alumnus of the Year, College of Physical and Mathematical Sciences, North Carolina State University, 2001; Sigma Xi; Phi Kappa Phi; Phi Lambda Upsilon Lecturer, North Carolina State University, 1986.

He has been employed by GlaxoSmith-Kline as Principal Scientist from 1995 to 2000 and has served as Manager of Discovery R&D since 2001to date. He was employed by Burroughs Wellcome as Section Head from 1978-1995.

**Service in ACS National Offices**: Council Policy Committee, 2002-05 (Voting), 1998-00 (Nonvoting), CPC Subcommittee on Industrial Members, 2002-04 (Chair), 1998-00; Committee on Membership Affairs, 1995-00, Chair, 1998-00, Committee Associate, 1993-94; Advisory Board for Industry Relations, 1998-00; Board of Trustees, Group Insurance for ACS Members, ex- officio, 1998-00; Task Force on Committee Size, 2000; Task Force on Member Recruitment, 1997; Editorial Advisory Board, Chemistry, 1998-01.

**Service in ACS Offices**:
Member ACS since 1970. North Carolina Section:
Councilor, 1992-2004;
Alternate Councilor, 1988-92;
Chair and Program Chair, 1986;
Chair-Elect, 1985;
Treasurer, 1981-84;
Executive Committee, 1981-04;
Awards Committee, 1988-90;
Academic-Industry Interface Committee, 1987-88;
Nominations Committee, 1987;
Hospitality Committee, 1982-86;
Budget Committee, 1981-86.
Southeastern Regional Meeting: 1984 Organizing Committee, 1982-84.

**Member**: Sigma Xi. ACS Divisions: Chemical Information; Computers in Chemistry and Medicinal Chemistry.

**Related Activities**: North Carolina State University, Chemistry Department Board of Visitors, 1997-01, Chair, 1999-01; Pfizer Central Research Scientist, 1973-78.

## ROBERT W. MORRISON, JR.

Since receiving his Ph.D. in organic chemistry from Princeton University, Robert W. Morrison, Jr. worked in chemistry for nearly 40 years in the Triangle area. He retired in 1995 after five years with Chemstrand Research Center, Inc. (Monsanto) and 26 years with Burroughs Wellcome, where he was Vice-President of Bioanalytical Sciences and Director of the Division of Organic Chemistry. Since this first retirement, Dr. Morrison served the College of Physical and Mathematical Sciences at North Carolina State University in several capacities, including Executive Officer for the Department of Chemistry and later for the Department of Marine, Earth, and Atmospheric Sciences, Acting Associate Dean for Research, and Assistant Dean for Administration for the College. He retired from this last appointment in February 2004.

Dr. Morrison has served the Local Section of the ACS as Chair (1993), Councilor (1996-present), and as a member of the Steering Committees for the 1998 and the upcoming 2004 Southeastern Regional ACS Meetings in the Research Triangle Park. He also served on the planning committee for the National Historical Landmark dedication and celebration at Research Triangle Institute in 2003. The emphasis on topical discussion groups as the primary local ACS meeting venue was initiated during his tenure as Chair. He currently serves on the Local Section Executive Committee and the Membership Affairs Committee for the ACS National Council where he also serves as Chair of the Membership Categories and Dues subcommittee. Dr. Morrison was presented with a Marcus E. Hobbs award at the 118th North Carolina – ACS Sectional Conference at Duke University on April 17th, 2004. This award was established to recognize members who have made significant, long-term contributions to the Local Section of the American Chemical Society.

# ALTERNATE COUNCILOR

## RICHARD M. FORBIS

Dr. Richard M. (Dick) Forbis has been a member of the professional staff in the Department of Chemistry at the University of North Carolina at Chapel Hill since 1993, where he is presently Director of Teaching Laboratories and Science Complex Coordinator for Chemistry. After completing his B.S. degree in chemistry at the University of North Carolina, he received his Ph.D. degree in organic chemistry from the University of Illinois at Champaign-Urbana in 1970, working with Ken Rinehart on the structure and total synthesis of the antibiotic nybomycin. Dr. Forbis spent the next 23 years in various R&D, regulatory, and management positions related to the agrochemical, pharmaceutical, and medical diagnostic businesses of DuPont in Wilmington, DE, in addition to a 2-year assignment in a corporate planning position.

Dr. Forbis is a member of the NC section of the ACS, currently serving as Alternate Councilor for the section; he also serves as faculty advisor for the local chapter of Alpha Chi Sigma at UNC-CH. He has served on the organizing committee for the local section ACS meeting at UNC-CH in 1999 and 2003.


**Robert Morrison, Jr.**

**Richard Forbis**

## ALAN EDWARD TONELLI

Born: 1942.

**Educational Background:** U. of Kansas, B. S. (with distinction) Chemical Engineering, 1964; Stanford, Ph. D. (with Nobelist P. J. Flory) Polymer Chemistry, 1968.

**Employment:** Member of Technical Staff, Polymer Chemistry Research Dept., AT&T-BELL Labs., 9/68 - 8/91; Assoc. Professor, Textile Engineering, Chemistry, and Science Dept., College of Textiles, North Carolina State University, 8/91 - 8/94; Professor, Textile Engineering, Chemistry, and Science Dept., College of Textiles, North Carolina State University, 8/94 - 7/96; Hoechst-Trevira Professor of Fiber & Polymer Science, 7/96 - 8/99; KoSa Professor of Polymer Science, 8/99 to date.

**Honors:** Tau Beta Pi; Sigma Xi; Outstanding undergraduate in Physical Chemistry at University of Kansas, 1963; NSF Coop. Graduate Research Fellowship at Stanford, 1964-1966; Distinguished Technical Staff Award, AT&T-Bell Labs., 1983; Extraordinary Achievement Award, AT&T-Bell Labs., 1985, 1987; Elected Fellow of the American Physical Society, 1989.

**Professional Activities**: Member of American Chemical (Polymer Chemistry Div.) and Fellow of the American Physical (Polymer Physics Div.) Societies; Founding member of the North Jersey Regional Science Fair for High School students; Chairman of Polymer Topical Group North Jersey local section of American Chemical Society in 1980; Organized and Chaired Undergraduate Research Symposium under the auspices of the North Jersey section of ACS in 1981; Tour speaker for the American Chemical Society 1986, 1988; Chairman-elect and Program Chairman for the North Carolina Polymer Group of the American Chemical Society 1992-93; Chairman of the North Carolina Polymer Group of the American Chemical Society 1993-94; Supervised the research programs of 30 undergraduate, 20 graduate, and 7 post-doctoral students; Editorial Boards of Macromolecules (1984-1986) and Comp. and Theor. Polym. Sci. (1991 to date).

**Publications**: Over 300 publications including two books ("NMR Spectroscopy and Polymer Microstructure: The Conformational Connection",Wiley,1989; "Polymers From the Inside Out; An Introduction to Macromolecules", Wiley, 2001) and multiple book chapters.

**Consulting:** Exxon, National Starch, Polymer Processing Institute, and Eastman.

Alan Tonelli

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# BALLOT

**CHAIR ELECT (vote for 1):**

- ☐ Charles Goss
- ☐ Ken Tomer
- ☐ _____

**TREASURER (vote for 1):**

- ☐ Joan Bursey
- ☐ _____

**COUNCILOR (vote for 2):**

- ☐ Eric Bigham
- ☐ Robert Morrison
- ☐ _____

**ALTERNATE COUNCILOR** (vote for 2):

- ☐ Richard Forbis
- ☐ Alan Tonelli
- ☐ _____

## CASTING YOUR BALLOT

**Voting Deadline:**

Ballots Must Be Postmarked by November 30, 2004

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

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# NC State Fair Volunteers

Alan Barber
Julia Braun
Will Case
Jim Chao
Jessica Chapman
Thomas Chen
Darrell Coleman
Teri Dombrowski
Laura Edwards
Detra Euland
Maria Lyn Francisco
Mike Franklin
Frank Gillam
Laurel Goj
Pat Healy
Chris Hepler
Jared Heymann
David Hitt
Shawn Hutchinson
William Jones
Andrew Kolbert
Danijela Lazarevic
Jennifer Levenbook
Sol Levine
Chris Lowden
Kelly Mayo
Michelle McCoy
Janet Messick
John Myers
Laurie Mills
Dorothy Miner
Mary Robert Nahm
Abby O'Connor
Erika Pearson
Karen Pihel
Jamie-Ann Pike
Anthony Radewicz
Liz Sacho
Artoryia Sanders
Daniel Shin
Joyce Shuman
Heather Smith
Julie Sullivan
Vern Summerfelt
Stephanie Teeter
Meredith Trotter
Anna Tulchinsky
Pete Vandeberg
Matthew Vanderherchen
George Wahl
Xi-Qing Wang
Ryan White
Jo-sette Wilkes
Amy Willmarth

*Xi-Qing Wang helps children make chromatography butterflies.*

Laura Sremaniak demonstrating sublimation by putting dry ice in cylinder of water.

# Chemistry Day at the NC Museum of Natural Sciences

On Saturday, October 23rd, the Local Section teamed with staff members from the North Carolina Museum of Natural Sciences in Raleigh to provide a day of fun and educational activities in celebration of National Chemistry Week. Over 1,600 visitors of all ages packed the exhibit hall to observe chemical demonstrations and participate in hands-on experiments related to this year's NCW "Health and Wellness" theme. The Museum's Coordinator of Special Events, Bob Flook, said that he was "delighted with the turnout," and that the volunteers who staffed the chemical demonstrations and interactive tables did "an outstanding job in communicating their enthusiasm about chemistry to the attendees." Dr. Meredith Storms (University of North Carolina at Pembroke) was the NCW event coordinator for the Local Section. She provided the names of the volunteers listed below and thanked them for doing an excellent job.

**NC-ACS NCW Coordinator:**
*Meredith Storms*

**Museum Coordinators:**
*Bob Flook*
*Erin MacEntee*
*Sunny Allen*

See page 11 for complete list of volunteers.

*Tara Larsen and James Evans demonstrate the use of Clinistix (donated by Bayer) to measure glucose in Pedialyte and milk solutions.*

*"The Cat in the Hat" (Billy Storms, Spring Hill Middle School) reads "Bartholomew and the Oobleck" to a wonderful crowd!*

*A future chemist learns about the importance of Vitamin C from Fayetteville State University student Stacy Freeman*

**National Chemistry Week**

**Clean Sweep by RTP Employees**

# RTP Employees Make a Clean Sweep at the First RTP Electronics Recycle Day

Research Triangle Park (RTP) employees had a chance to clean out their closets and attics for the first annual RTP Electronics Recycle Day. The event was held September 30th at the Triangle Service Center in front of the Radisson Inn. Over 440 employees brought their used goods, from stereos and speakers, to computers, thermostats and mercury thermometers.

"We saw just about everything," commented Stuart Hurwitz, chairman of Environment@RTP, the organization that hosted the event. "People brought some of the oldest computer equipment made to a computer that was only six months old. It was incredible to see what people were wanting to recycle."

The group collected over 20,000 pounds of electronic goods. Roughly 160 cell phones were collected. Fifty of the cell phones were shipped as is pre-paid to "Charitable Recycling" in Michigan, which resells them and/or gives them away to those in need such as women's shelters. The other 110 cell phones that didn't fit in the first shipping box were given to the Family Violence Prevention Center at Chapel Hill, who in turn shipped them to a family shelter in Colorado. The group also collected 40 pounds of batteries and 20 pounds of mercury bearing thermometers and thermostats. Environment@RTP exceeded their goal of getting one percent of the RTP employees to participate.

All the material will be broken down and divided into glass, metal, and plastic. The total amount of each material will be available from the recycling company at a later date. The mercury and batteries were recycled through Orange County's hazardous wast Toxic Reduction Improvements Program (TRIP).

The event was held in partnership with Durham County, City of Durham, Orange County and Wake County's recycle programs and by Environment@RTP, a subcommittee of the RTP Owners & Tenants Association that focuses on environmental issues. Environment@RTP helped Research Triangle Park obtain its Wildlife and Industry Together (WAIT) certification earlier this year.

Research Triangle Park, located in Durham and Wake Counties in North Carolina, is the largest research park in the United States. This 7,000-acre park

includes over 130 companies employing over 38,000 full-time employees.

*Submitted by:*
***Jamie Nunnelly***
**RTP Foundation**

## 2004 National Chemistry Week Volunteers

### UNCP CHEMISTRY AND PHYSICS

Dr. Meredith Storms
Dr. Tim Ritter
Brandon Locklear
Janet Sanford
Kizzy Thompson
Tara Larsen
Latravia Fore
Jeni Williams
Kenny Williams
James Evans
Dovie Carter

### NCSU

William Jones
Elizabeth Lusk
David Hitt
Joyce Shuman

### MEREDITH COLLEGE

Dr. Romita Sen
Dr. Walda Powell
Dr. Con McCormick
Taryn Dudley
Melissa Stone
Meredith Heinisch
Audrey Bales

### NCCU

Dr. John Myers
Dr. Maria Francisco

### Fayetteville State University

Dr. Jonathan Breitzer
Dr. Shubo Han
Kimberly Wiggins
Stacey Freeman

### Others

Pat Ligan and Broughton High School Students
Debbie Massengill and Enloe High School Students
Billy Storms
Vern Summerfelt

*Brandon Locklear demonstrates activities feastured as part of the "weightless lumbees" program in the UNC-P Department of Chemistry and Physics.*

***The TarHelium Volume 35: Number 2***

Keith E. Levine, Editor
RTI International, 3040 Cornwallis Road
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## Special NC Section Election Issue

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Executive Committee:

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| **D. Coleman** *(Eli Lilly-Sphinx), Chair '04* | *306-2239* | *dscoleman@lilly.com* |
| **D. G. Morgan** *, Chair -Elect'05* | *483-4291* | *daniel.gmorgan@gsk.com* |
| **S. Levine** *(NCSU, Ret.), Secretary '04-'05* | *676-3740* | *naturpix@mindspring.com* |
| **J. T. Bursey**, *Treasurer '03-'04* | *493-3025* | *joanmhb@aol.com* |
| **K. E. Levine** *(RTI), TH Editor 2003-present* | *541-8886* | *levine@rti.org* |
| **A. L. Crumbliss** *(Duke), Councilor '04-'06* | *660-1540* | *alc@chem.duke.edu* |
| **R. A. Palmer** *(Duke), Councilor '04-'06* | *660-1539* | *rap@chem.duke.edu* |
| **J. L. Chao** *(IBM), Councilor '03-'05* | *543-3054* | *jlchao@us.ibm.com* |
| **E. C. Bigham** *(GSK), Councilor '02-'04* | *483-9844* | *ecb12781@gsk.com* |
| **R. W. Morrison, Jr.** *(GSK,NCSU), Councilor '02-'04* | *515-2549* | *robertmorrison@mindspring.com* |
| **N. Oberlies** *(RTI), Alt. Councilor, '04-'06* | *541-6958* | *oberlies@rti.org* |
| **L. Sremaniak** *(NCSU), Alt. Councilor, '04-'06* | *515-2937* | *lssreman@pams.ncsu.edu* |
| **R. M. Forbis** *(UNC), Alt. Councilor, '02-04* | *962-2096* | *dick_forbis@unc.edu* |
| **S. Sendlinger** *(NCCU), Alt. Councilor, '03-05* | *560-6297* | *ssendlin@wpo.nccu.edu* |
| **W. L. Switzer** *(NCSU), Alt. Councilor '02-04* | *515-2945* | *bill_switzer@ncsu.edu* |
| **J. A. Myers** *(NCCU), Past Chair '03* | *530-6461* | *jmyers@upo.nccu.edu* |
| **S. J. Sumner** *(Paradigm), Past Chair '02* | *558-1343* | *ssumner@paragen.com* |
| **G. H. Wahl, Jr.** *(NCSU), Past Chair '99* | *515-2941* | *george_wahl@ncsu.edu* |
| **C. M. Balik** *(NCSU), Past Chair, '01* | *515-2126* | *balik@ncsu.edu* |
| **M. M. Bursey** *(UNC), Ex Officio* | *493-3025* | *mauricebursey@aol.com* |
| **K. A. Cutler** *(NCCU) , Project Seed Ex Officio* | *530-7004* | *kcutler@wpo.nccu.edu* |
| **E. L. Eliel** *(UC), Ex Officio* | *962-6198* | *eliel@email.unc.edu* |
| **D. Canelas** *(Lord), PDG, Ex Officio* | *469-2500* | *dorian, canelas@lord.com* |
| **A. Malek** *(Wyeth), TCDG, Ex Officio* | | *malek@wyeth.com* |
| **T. M. O'Connell** *(GSK), TMRDG, Ex Officio* | *483-1535* | *tmo89509@gsk.com* |

## 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 listserver and 2) a web page: http://membership.acs.org/N/NCarolina/.

The listserver 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. ■