

# The TarHelium



Volume 33, Issue 3

February, 2003

Bradley E. Sturgeon, *Editor*

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NCACS  
EXECUTIVE  
COMMITTEE

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

**The TarHelium**  
Volume 33: Number 3  
Bradley E. Sturgeon, *Editor*  
4400 Currie Court  
Raleigh, NC 27613

## CONGRATULATIONS TO OUR NEW 2003 OFFICERS

**Chair:** Dr. John Myers  
**Chair-Elect:** Dr. Darrell Coleman  
**Secretary:** Dr. Sol Levine  
**Treasurer:** Dr. Joan Bursey  
**Councilor:** Al Crumbliss, Richard Palmer,  
Eric Bigham, Bob Morrison, and  
Jim Chao

**Alternate Councilor:** Suzy Purrington, Ed Samulski,  
Bill Switzer, Dick Forbis, and  
Shawn Sendlinger



As is customary, our 2002 Chair-elect Dr. John Myers (NCCU, Chemistry) assumes the role of the 2003 Chair. John was heavily involved in the organization of last year's Local Section Conference.

Our new Chair-elect is Darrell Coleman (Eli Lilly - Sphinx Laboratories). Darrell has been extremely active in the local section serving as president of the Young Chemist Committee. He looks forward to maintaining the Section's leadership and technical potential with additional National Awards.

Dr. Joan Bursey (Eastern Research Group) will be returning as our Treasurer, serving for a second two-year term.

Dr. Sol Levine (NSCU, Chemistry) continues, entering the second year of his two-year commitment as the Section's Secretary.

Our Section has five Councilors and five Alt. Councilors. Returning councilors are Dr. Al Crumbliss (Duke, Chemistry), Dr. Richard Palmer (Duke, Chemistry), Dr. Eric Bigham (Glaxo Smith Kline), Dr. Bob Morrison (NCSU). Dr. Jim Chao (IBM) has been elected to serve a three-year term. We have four returning Alt. Councilors. Dr. Suzy Purrington (NCSU, Chemistry), Dr. Ed Samulski (UNC, Chemistry), and Dr. Bill Switzer (NCSU, Chemistry). Our new Alt. Councilor is Dr. Shawn Sendlinger (NCCU).

Great to have you aboard!

## 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>

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## REMARKS FROM THE CHAIR



Dear Fellow Chemists of the N.C. Local Section of ACS,

Thank you for your continued support and participation in the broad range of activities that comprise the work of the North Carolina Section of ACS. As chair-elect this past year, I became more aware of the many dedicated chemists in our section who tirelessly volunteer their time and energy in educational outreach programs, such as hands-on science activities and demonstrations in the BioFrontiers Tent at the N.C. State Fair, National Chemistry Week activities at the N.C. Museum of Natural Sciences, mentoring of Project SEED research students, chemical demonstration workshops for teachers, and Chemistry Olympiad. I learned how leaders of the seven Discussion Groups/Committees (Chromatography (TCDG), Polymer (PDG), Magnetic Resonance (TMRDG), Mass Spectrometry (TAMSDG), Chemical Education/High School Chemistry Teachers (ChemEd), Younger Chemists (YCC), and Senior Chemists (SCC)) greatly benefit our section by organizing meetings centered on the exchange of knowledge and stimulation of ideas.

2003 will be an even more exciting year for NC-ACS. For example, ACS will commemorate the discovery of the anticancer pharmaceuticals Taxol<sup>®</sup> and camptothecin<sup>™</sup> by Mansukh Wani, Ph.D. and the late Monroe Wall, Ph.D. with a National Historic Chemical Landmark at RTI on April 23. The LS Conference on April 26 at UNC - Chapel Hill will include the 2003 N.C. Distinguished Lecturer Award, Marcus E. Hobbs Service Award, and Undergraduate and Barbara A. Whittaker Memorial Scholarships. Planning Committees will meet throughout the year as our Section prepares to host the 2004 Southeastern Regional Meeting of ACS.

On behalf of the Executive Committee members, I encourage you to participate in the activities of the Discussion Groups/Committees, make a presentation at the LS Conference, mentor Project SEED students or contact our program coordinator about promising students, volunteer for the BioFrontiers Tent or National Chemistry Week demonstrations, help plan for SERM-ACS 2004, suggest a new opportunity for our Local Section. We need you, and we know you will benefit from your involvement.

I look forward to meeting you during this year and to discussing with you strategies for promoting chemistry to the public and providing opportunities for the growth and development of our fellow chemists.

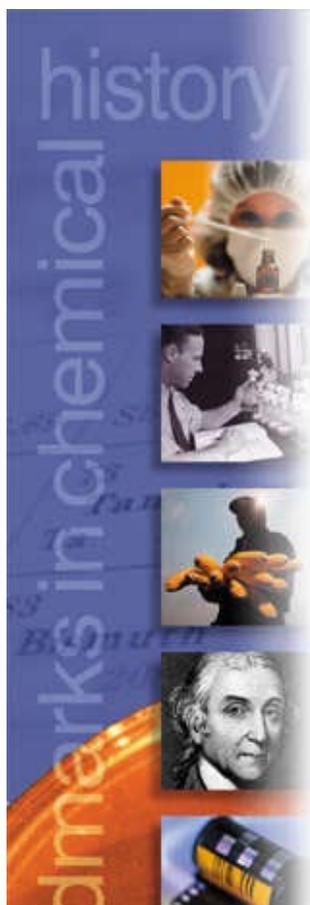
Best regards,

John A. Myers  
2003 Chair  
jmyers@wpo.nccu.edu



NCACS  
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COMMITTEE

J. A. Myers, Chair 2003  
D.S. Coleman, Chair Elect  
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J. T. Bursey, Treasurer  
B. E. Sturgeon, Editor  
A. L. Crumbliss  
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J. L. Chao  
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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. Dawes, PDG  
J. Hines, TCDG  
T. M. O'Connell, TMRDG



## ACS Landmark to Commemorate Discovery of Taxol, Camptothecin at RTI

The American Chemical Society (ACS) recently announced it will commemorate the discovery of the anticancer pharmaceuticals Taxol® and camptothecin™ by Mansukh Wani, Ph.D., and the late Monroe Wall, Ph.D., with a National Historic Chemical Landmark. It will be affixed to the front of Research Triangle Institute's (RTI's) Medicinal Chemistry Building in Research Triangle Park, N.C., at a commemoration event scheduled for April 23.

Drs. Wall and Wani isolated Taxol from the Pacific yew tree in the late 1960s and reported its structure in 1971. Susan Band Horwitz, Ph.D., who will speak at the commemoration event, identified the compound's unique mode of action to be the stabilization of microtubule assembly, which inhibits cell division. Today, Taxol is used for the treatment of refractory ovarian cancer, metastatic breast and lung cancers, and Kaposi's sarcoma. In 1966, prior to the discovery of Taxol, Drs. Wall and Wani reported the discovery of camptothecin. Other researchers later found the unique mode of action for the compound to be the inhibition of DNA topoisomerase I, which prevents DNA replication and kills cancer cells. Currently, first-generation analogs of the compound are used for the treatment of ovarian and colon cancers.

In addition to a presentation by Dr. Horwitz, the commemoration event will include a scientific presentation by Paul A. Bunn, Jr., M.D. Dr. Bunn is the Grohne/Stapp Endowed Professor of Oncology and Professor of Medicine in the School of Medicine at the University of Colorado Health Sciences Center in Denver. He has also served as director of the University of Colorado's Comprehensive Cancer Center since its inception in 1987 and is principal investigator of its Specialized Program of Research Excellence (SPORE) in lung cancer.

Dr. Horwitz, best known for her pioneering work in determining the anticancer mechanism of action of Taxol, is professor and co-chair of the Department of Molecular Pharmacology, Professor of Cell Biology, and the Rose C. Falkenstein Professor of Cancer Research at the Albert Einstein College of Medicine of Yeshiva University in Bronx, N.Y. She is also the current president of the American Association for Cancer Research. Drs. Wall and Wani also are considered pioneers in pharmacognosy, the study of medicinal compounds from nature. They have advanced the field's methods and advocated the pursuit of pharmaceuticals from natural sources, only a fraction of which have been assessed. Today, researchers in RTI's Natural Products Laboratory (see <http://www.rti.org/naturalproducts>) continue the search for disease-fighting compounds from nature and are developing standards for herbal drugs.

National Historic Chemical Landmarks commemorate discoveries, products, achievements, and places that have expanded the frontiers of knowledge and advanced medicine and industry. The program began in 1992, and as of the end of 2002, there were 45 landmarks worldwide. Previous landmarks have included the Priestley House in Pennsylvania for the discovery of oxygen, Oberlin College in Ohio for the development of the Hall aluminum process, and the Brandywine Mill in Delaware, which was the founding building of DuPont (see <http://center.acs.org/landmarks/index.html>).

This ACS landmark will be the second in North Carolina. The first, near Eden, N.C., commemorates the 1892 discovery of the first manufacturing process to make calcium carbide and acetylene. The discovery led to development of oxyacetylene welding and enabled further advances such as synthetic processes to make rubber.

Research Triangle Institute, also known as RTI International, is an independent research organization with a distinguished history in scientific research and technology development. Formed in 1958 to be the first organization in North Carolina's Research Triangle Park, RTI is dedicated to improving the human condition. Today, our more than 2,000 employees provide research and development to national and international clients in government and industry.

*\*Taxol, a word coined by Monroe E. Wall of RTI, is a registered trademark of the Bristol-Myers Squibb Company. Camptothecin is a trademark of RTI.*



**ACS  
LANDMARK  
AWARD**

**CALL FOR PAPERS -  
117<sup>th</sup> ACS LOCAL SECTION MEETING****APRIL 26, 2003****University of North Carolina, Chapel Hill  
Venable Hall****DEADLINE: March 30, 2003**

Paper submission for this year's local section meeting will be accepted using the on-line registration form found at the following URL:

*<http://membership.acs.org/N/NCarolina/>*

This is the preferred method of submission. If on-line registration is not possible, please fill out the form below and mail, fax, or e-mail the information to the address/fax number below. Please register on-line or submit this form to:

Darrell Coleman, Eli Lilly - Sphinx Laboratories,  
20 T.W. Alexander Drive, Research Triangle Park, NC 27709  
*[dscoleman@lilly.com](mailto:dscoleman@lilly.com)* - 314-4352

**Title:** \_\_\_\_\_

**Presenter:** \_\_\_\_\_

**Affiliation:** \_\_\_\_\_

**Co-authors:** \_\_\_\_\_

**Co-author affiliations, if different:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**If relevant, including the following:**

**Research Director:** \_\_\_\_\_

**Affiliation:** \_\_\_\_\_

**Phone number:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Session (1-first choice, 2-second choice):**

<input type="checkbox"/> Analytical	<input type="checkbox"/> Organic	<input type="checkbox"/> Inorganic
<input type="checkbox"/> Physical	<input type="checkbox"/> Medicinal	<input type="checkbox"/> Environmental
<input type="checkbox"/> Biochemistry	<input type="checkbox"/> Chemical Education	<input type="checkbox"/> Polymer
<input type="checkbox"/> NMR Session	<input type="checkbox"/> Mass Spec Session	
<input type="checkbox"/> Other: _____		

**Type of presentation:**

Oral\*     Poster     Either

\* Oral presentations will be 15 minutes long plus 5 minutes for questions.

## IOTA SIGMA PI Awards

**IOTA SIGMA PI** is a national honor society for women in chemistry. Its major objectives are: to promote interest in chemistry among women students, to foster mutual advancement in academic, business, and social life, and to stimulate personal accomplishment in chemical fields. IOTA SIGMA PI was founded in 1902 and was organized on a nationwide basis in 1916. Over 10,100 members have been initiated into this organization. At least 40 local chapters have been established in various colleges, universities, and metropolitan areas.



**IOTA SIGMA PI** serves to promote the advancement of women in chemistry by granting recognition to women who have demonstrated superior scholastic achievement and high professional competence by election into IOTA SIGMA PI. Complete application forms can be found on the Societies website (<http://www.iotasigmapi.info/>) for the following annual and triennial awards.

### Professional Awards:

- Centennial Award for Excellence in Undergraduate Teaching** (annual, past due)
- National Honorary Member** (triennial, Jan. 15th, 2005)
- Award for Professional Excellence** (triennial, Jan 15th, 2005)
- Agnes Fay Morgan Research Award** (annual, Jan 15th, 2005)

### Student Awards:

- The Gladys Anderson Emerson Undergraduate Scholarship** (annual, Feb 15th)
- The Undergraduate Award for Excellence in Chemistry** (annual, Feb 15th)
- Anna Louise Hoffman Award for Outstanding Achievement in Graduate Research** (annual, Feb 15th)

## Technology Exhibition and Vendor Show

### LRIG SouthEast Chapter

Laboratory Robotics Interest Group  
[www.lab-robotics.org/southeast](http://www.lab-robotics.org/southeast)

Date: February 19, 2003

Place: Sheraton Imperial  
RTP

Time: 11:00am-5:00pm



It's that time of the year again, time to explore new technologies for your labs. The LRIG Technology Exhibition will be held at the Sheraton Imperial RTP again. The show starts at 11am and will run until 5pm.

Lunch will be served at 12:00, and prize drawings will be going on at 1pm, 2pm, 3pm, and 4pm (must be present to win). This is certain to be another exciting show with over 70 vender booths. We will also have several local guest robotic groups displaying their creations for your viewing, along with many job postings and Professional Recruiters.

As always the show is free, we ask you to pre-register to help us determine food needs. For pre-registering and free membership:

Follow the link: <http://www.lab-robotics.org/member/event.asp?eid=36>



## THOUGHTS TO PONDER

*I don't measure a man's success by how high he climbs but how high he bounces when he hits bottom.*

~Gen. George S. Patton

*Facts do not cease to exist because they are ignored.*

~Aldous Huxley

## IOTA SIGMA PI AWARDS

## LRIG VENDOR SHOW



## 32<sup>nd</sup> SOUTHEASTERN MAGNETIC RESONANCE CONFERENCE

The Department of Chemistry at NC State University hosted the 32nd Southeastern Magnetic Resonance Conference (SEMRC) at the Sheraton Imperial Hotel and Conference Center in Research Triangle Park, Oct. 25-27, 2002.

A special symposium and banquet honoring the many personal and scientific accomplishments of NC State faculty member Dr. Edward O. Stejskal was held in conjunction with the conference. *"Professor Stejskal's scientific career, which began more than 50 years ago, has been one filled with many key discoveries and 'firsts' that have shaped the way scientists in a variety of disciplines practice their craft,"* said Dr. Jeffery L. White, symposium chairperson.

Among the renowned scientists to speak at the symposium were Professor Jacob Schaefer of Washington University, and Professor Alex Pines, University of California - Berkeley.

Co-chaired by Dr. Alex I. Smirnov and Dr. Tatyana I. Smirnova, the 32nd SEMRC brought together 138 practitioners of NMR and EPR fields in chemistry, physics, biology, medicine and material science. The conference included 22 contributed talks and three invited speakers:

**Professor David D. Thomas** of the University of Minnesota,

**Professor Balaraman Kalyanaraman** of the Medical College of Wisconsin, and

**Professor R. David Britt** of the University of California-Davis.

"This year's conference celebrated the progress we have made, and the exciting developments of new techniques, theories, and applications in the very broad field of magnetic resonance," Smirnova said. Conference and symposium planners successfully recruited 20 event sponsors, including the NC State Beta Lambda Chapter of the national honorary chemical society Phi Lambda Upsilon.



NCSU Chancellor Mary Anne Fox and Professor Stejskal

The Chapter provided conference t-shirts and awarded a plaque and \$100 prize to **Anita Kishore**, a graduate student from the Complex Carbohydrate Research Center - University of Georgia, and whose work was judged "Best Student Poster" of 40 posters presented at the conference.

## Call for Papers - NC ACS 2003 Scholarship Awards

Up to \$1000.00 scholarships will be awarded to undergraduate students who will be actively conducting undergraduate research in the chemical sciences. The exact amount will depend on the number of awards. Only undergraduates at colleges and universities within the North Carolina Section of the ACS are eligible.

Application of Scholarship Money: Supplement needs of the student's work in the laboratory in the form of research reagents, copies, books, and computer software. The scholarship money can not be used for tuition or housing costs!

The scholarship grant becomes available for work beginning as early as the summer of 2003 and expires at the end of the spring semester of 2003.

**Deadline: April 18, 2003**

To apply on-line:

[http://www.ncsu.edu/chemistry/outreach/nc-cs/application\\_scholarship.html](http://www.ncsu.edu/chemistry/outreach/nc-cs/application_scholarship.html)

Or e-mail: [andrea\\_vinson@bd.com](mailto:andrea_vinson@bd.com)

Give membership a try. Complete your application today!



American Chemical Society

PO Box 82229, Columbus, OH 43202-2229

2003 MEMBERSHIP APPLICATION

Upon approval, please activate my ACS Membership including my subscription for 51 issues (print and online) of *Chemical & Engineering News*. Also, sign me up for my year of ACS Local Section membership and free Division membership.

Mr.  Mrs.  Dr.  Miss  Ms.

Last Name \_\_\_\_\_ First Name \_\_\_\_\_ Middle Initial \_\_\_\_\_

Mailing address for delivery of *C&EN* and membership material.  Home  Work

(Please provide your full street address. This full address will enable us to ensure you receive your material in a timely manner.)

Company Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State/Country \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_

Home # \_\_\_\_\_ Office # \_\_\_\_\_  
(AREA CODE) (AREA CODE)

Fax # \_\_\_\_\_ E-mail \_\_\_\_\_  
(AREA CODE)

**IMPORTANT NOTE:** You must complete the entire application. Please do not leave out information. Incomplete information will slow down your admissions process.



For more information:  
CALL (800) 333-9511 or  
(614) 447-3776  
FAX (614) 447-3891  
E-MAIL [service@acs.org](mailto:service@acs.org)

### MEMBERSHIP CATEGORIES

**DO NOT SEND ANY MONEY NOW.** Upon approval you will be invoiced at the appropriate rate. See dues rates on the back of this application. Please check only one:

Regular Member  Society Affiliate  
 Student Member  Member Reinstatement

Membership Number: \_\_\_\_\_

### ACADEMIC TRAINING

Name of College or University (Including current enrollment)	City and State/Country	Curriculum Major	Title of Degree(s) Received or Expected A.S., B.S., M.S., Ph.D.	Month/Year Degree Received or Expected

ACS Approved School:  Yes  No PLEASE NOTE: If you have less than a B.S. degree in chemistry, chemical engineering, or a chemistry-centered science but have significant achievement in the chemical sciences, you may be required to fill out a supplementary information form.

### PROFESSIONAL EXPERIENCE (Required)

Job Title \_\_\_\_\_

Employer \_\_\_\_\_

Employer City, State/Country, Zip/Postal Code \_\_\_\_\_

Inclusive Dates/Employment (MO./YR.) \_\_\_\_\_

% of Time Spent on Chemical Work \_\_\_\_\_

Work Functions \_\_\_\_\_

### DEMOGRAPHIC INFORMATION (Optional)

We ask you to provide the following *voluntary* information. The American Chemical Society is eager to support programs that benefit under-represented groups in the chemical sciences, and your responses are helpful to these efforts (and to all facets of our services to all of our members). Individual responses are held in strictest confidence and have no bearing on consideration for membership.

Racial-ethnic origin (please check one only):

White (Caucasian)  American Indian or Alaskan Native  
 Black or African American  Native Hawaiian or Pacific Islander  
 Hispanic  Other \_\_\_\_\_  
 Asian

Date of Birth \_\_\_\_\_ Sex:  F  M

Office Use Only MG BC _____ HDL _____ ASD _____ MJR _____ MED _____ PNI 0084K DEL _____ TEC _____	This space for use of ADMISSIONS COMMITTEE	Local Section/Division Commission Claim  NORTH CAROLINA LOCAL SECTION
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## DUES INFORMATION

**Student Discount** A member who is a graduate student, majoring in a chemical science or a related academic discipline, shall be entitled to a discount of one-half of the membership dues for full-time graduate work.

**New Graduates** A person graduating with a bachelor's degree in a chemical science may apply for membership within one year from the date of graduation to receive a discount of one-half of the membership dues.

**Society Affiliation** A person who is not eligible to become a member of the Society but whose major vocational effort is directly concerned with the practice of a chemical science may become a Society Affiliate at a rate of three-quarters of the membership dues.

**Husband/Wife Dues** If you are the spouse of a member receiving *Chemical & Engineering News*, you may deduct a portion of your dues allotted for *C&EN*. Please request this deduction on your dues bill.

## MEMBER CATEGORIES & DUES

<b>Member</b>	<b>\$116.00*</b>
<b>Student Member</b>	<b>\$58.00</b>
<b>Society Affiliate</b>	<b>\$87.00</b>

Your membership will begin from the date your membership application is processed and will end one year later. This will be your anniversary date.

\*U.S. members: \$32.65 allocated to *C&EN*. Non-U.S. members: \$32.65 plus postage allocated to *C&EN*.  
\$58 additional postage fee for *C&EN* delivery outside North America.

## AMERICAN CHEMICAL SOCIETY DIVISIONS

The first selection is free for first-time members; additional selections will be billed.

My free division selection is \_\_\_\_\_.  
I understand I may also join additional divisions and be billed along with my membership dues. (Check additional selections below.)

- |  |   |
|--|---|
| <input type="checkbox"/> Agricultural and Food Chemistry     | <input type="checkbox"/> Fuel Chemistry                               |
| <input type="checkbox"/> Agrochemicals                       | <input type="checkbox"/> Geochemistry                                 |
| <input type="checkbox"/> Analytical Chemistry                | <input type="checkbox"/> The History of Chemistry                     |
| <input type="checkbox"/> Biochemical Technology              | <input type="checkbox"/> Industrial and Engineering Chemistry**       |
| <input type="checkbox"/> Biological Chemistry                | <input type="checkbox"/> Inorganic Chemistry                          |
| <input type="checkbox"/> Business Development and Management | <input type="checkbox"/> Laboratory Automation** (probationary)       |
| <input type="checkbox"/> Carbohydrate Chemistry              | <input type="checkbox"/> Medicinal Chemistry                          |
| <input type="checkbox"/> Cellulose, Paper and Textile        | <input type="checkbox"/> Nuclear Chemistry and Technology             |
| <input type="checkbox"/> Chemical Education*                 | <input type="checkbox"/> Organic Chemistry                            |
| <input type="checkbox"/> Chemical Health and Safety          | <input type="checkbox"/> Petroleum Chemistry                          |
| <input type="checkbox"/> Chemical Information                | <input type="checkbox"/> Physical Chemistry                           |
| <input type="checkbox"/> Chemical Technicians                | <input type="checkbox"/> Polymer Chemistry                            |
| <input type="checkbox"/> Chemical Toxicology                 | <input type="checkbox"/> Polymeric Materials: Science and Engineering |
| <input type="checkbox"/> Chemistry and the Law               | <input type="checkbox"/> Professional Relations                       |
| <input type="checkbox"/> Colloid and Surface Chemistry       | <input type="checkbox"/> Rubber Division                              |
| <input type="checkbox"/> Computers in Chemistry              | <input type="checkbox"/> Small Chemical Businesses                    |
| <input type="checkbox"/> Environmental Chemistry             |   |
| <input type="checkbox"/> Fluorine Chemistry                  |   |

\* *Journal of Chemical Education* not included.

\*\* Does not participate in "first year free" program.

## IUPAC AFFILIATION

IUPAC Affiliation \$29.00 (U.S. members only). The International Union of Pure and Applied Chemistry (IUPAC) offers individual affiliation to members of national chemical societies. Recognized by all the sciences and by the national level academies of science as the international representative body for chemistry, IUPAC is the authority on chemical nomenclature, terminology, symbols, atomic weights, and related topics. IUPAC Affiliates dues for ACS members residing in the U.S. are \$29.00 and include a subscription to *Chemistry International* magazine.

## NOMINATION

We nominate this Applicant for membership in the American Chemical Society according to the Constitution and Bylaws.

**Check here and submit you application if you want ACS to assist you in finding nominator(s).**

1. ACS Member:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Membership #

2. ACS Member:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Membership #

## AGREEMENT

I attest to the accuracy of the information on the application. I agree to restrict for my own personal use all publications to which I subscribe at member rates. I understand that membership dues are payable annually unless my signed resignation is received by the Executive Director of the Society prior to the end of the 12-month period for which dues have been paid.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

## NC-ACS DISCUSSION GROUPS

### ACS Polymer Discussion Group (PDG)

[membership.acs.org/N/NCarolina/pdg/](http://membership.acs.org/N/NCarolina/pdg/)

The objectives of the Polymer Discussion Group are:

**To** promote polymer chemistry and physics in all aspects; **To** foster the educational and professional growth of members; **To** increase contacts between people engaged in polymer work in order to exchange knowledge and stimulate ideas; **To** sponsor lectures, conferences, and their means to promote these objects and the general cause of polymer chemistry and physics.

All scientists, engineers, and students working in polymer-related fields are welcome to participate in the ACS Polymer Discussion Group. Please attend any or all of the meetings on the schedule below. Monthly meetings include dinner, a seminar by an invited speaker, and discussion. Meetings are held at the University Club of NC State University on the second Thursday of each month. Social hour begins at 5:30 pm, with dinner at 6:30, and the seminar at 7:30.

2/13/03 Richard D. Gilbert Award Student Symposium - Information

3/13/03 Professor Robert H. Grubbs - Metathesis Routes to Non-Covalent Polymers

For more information or to be added to the email list, contact

Dr. Keith Dawes (NCSU)  
Telephone: (919) 515-7010  
E-mail ([keith\\_dawes@ncsu.edu](mailto:keith_dawes@ncsu.edu))

### Triangle Area Mass Spectrometry Discussion Group (TAMSDG)

[membership.acs.org/N/NCarolina/tamsdg/tams1.htm](http://membership.acs.org/N/NCarolina/tamsdg/tams1.htm)

The Triangle Area Mass Spectrometry Discussion Group (TAMS) was created to provide an opportunity for scientists involved in mass spectrometry to get together and share ideas and experiences. The group typically holds six meetings per year, which include a social time, refreshments, general announcements, and a seminar by an invited speaker. For more information or to be added to the email list, contact:

Daniel Morgan  
GlaxoSmithKline  
[dm19700@gsk.com](mailto:dm19700@gsk.com)

### Triangle Chromatography Discussion Group (TCDG)

[RTPnet.org/~tcdg](http://RTPnet.org/~tcdg)

The purpose of the TCDG is to maintain and promote an interest in and to provide an opportunity for discussion and exchange of information with respect to all fields of chromatography. The membership is open to anyone interested in the field of chromatography. The TCDG sponsors a number of speakers throughout the year and an annual Triangle Symposium and Instrument Exhibit. The 20th Annual TCDG Symposium and will be held on May 15, 2003.

For more information regarding this discussion group please contact

Dr. John Hines (RTI)  
Tele: (919) 541-6647  
E-mail ([hines@rti.org](mailto:hines@rti.org))

### Chemical Education/High School Teachers Discussion Group (ChemEd)

[membership.acs.org/N/NCarolina/chemed](http://membership.acs.org/N/NCarolina/chemed)

The ChemEd discussion group has been formed to disseminate information relevant to chemistry/science education. It is the hope that this discussion group will involve educators at all levels of chemical education. High school chemistry teachers are currently organizing the group, but we hope that everyone interested in chemical education will use this discussion group as a method to communicate ideas.

The group has a listserv as a means to communicate with interested individuals. To signup for the listserv send an email to [listserv@listserv.ncsu.edu](mailto:listserv@listserv.ncsu.edu) with a message saying: subscribe ncchemed <your name>.

If you are interested in becoming involved in this discussion group please contact:

Dr. Myra Halpin (NCSSM)  
E-mail ([halpin@ncssm.edu](mailto:halpin@ncssm.edu))

PDG CONTACT:

[keith\\_dawes@ncsu.edu](mailto:keith_dawes@ncsu.edu)

TCDG CONTACT:

[hines@rti.org](mailto:hines@rti.org)

### NC-ACS Discussion Groups

Triangle Area Mass Spectrometry Discussion Group (TAMSDG)

<http://membership.acs.org/N/NCarolina/tamsdg/tams1.htm>

Polymer Discussion Group (PDG)

<http://membership.acs.org/N/NCarolina/pdg/>

Triangle Chromatography Discussion Group (TCDG) <http://RTPnet.org/~tcdg>

Triangle Magnetic Resonance Discussion Group (TMRDG)

<http://membership.acs.org/N/NCarolina/tmr dg/>

Younger Chemists Committee (YCC)

<http://membership.acs.org/N/NCarolina/yc c/index.html>

**Chemical Education/High School Chemistry Teachers Discussion Group (ChemEd)**

<http://membership.acs.org/N/NCarolina/chemed>

TAMSDG CONTACT:

[dm19700@gsk.com](mailto:dm19700@gsk.com)

ChemEd CONTACT:

[halpin@ncssm.edu](mailto:halpin@ncssm.edu)

**YCC CONTACT:**  
dscoleman@lilly.com

### Younger Chemists' Committee (YCC)

[membership.acs.org/N/NCarolina/ycc](http://membership.acs.org/N/NCarolina/ycc)

The YCC was developed to encourage greater participation in the ACS in the Local Section by its younger members. The YCC's primary goal is to make the ACS more accessible and relevant to the younger chemist. The YCC **is committed to the following goals:**

- ★ To make the ACS relevant to younger chemists
- ★ Increase the involvement of younger chemists in the ACS at all levels.
- ★ Develop mechanisms to integrate younger chemists into the profession

For more information, contact:

*President: Darrell Coleman*  
*Eli Lilly and Co.*  
*E-mail (dscoleman@lilly.com)*

**SCC CONTACT:**  
theur@worldnet.att.net

### Senior Chemist Committee (SCC)

[membership.acs.org/N/NCarolina/scc/index.html](http://membership.acs.org/N/NCarolina/scc/index.html)

North Carolina is home to over 80 retired ACS members. Two-thirds of us reside close by the Research Triangle. More of us live in smaller communities near the Triangle, like Pittsboro, Apex, Hillsborough, Morrisville, Clinton, and Pinehurst. Some of us are newcomers who moved to the area after retiring. Others of us discovered much earlier in life how great it is here. Whether a life-long or a year-long resident, the Senior Chemist Committee could be a means of renewing old friendships and creating new ones.

If interested please contact:

*Richard Theuer*  
*theur@worldnet.att.net*  
*(919) 844-5843*

### YCC Party/Elections

Date: 2/9/03  
Time: 4:00 PM



Congratulations to the NC-YCC for winning the Outstanding Local Section YCC Award for 2002 Chemluminary at the Boston meeting. This is the most elegant award the YCC gives and we should be very proud.

There is a write-up in C&EN in the Sept. 30th issue page 45. The Celebration/Election will be held at OUT OF THE PARK in Morrisville 1/2 mile past the Outlet Mall off of 40 (exit 284) at 4:00 on Sunday February 9th. This also happens to be the game time for UVa-NC State and they have a bunch of big screen TVs, pool, darts, and the food is very good.

Please RSVP if you can make it, it'll be fun. Directions, menu, details can be found at their website.

<http://outofthepark.com/>

~Darrell Coleman

### Electronic Distribution of TarHelium?

The Local Section spends a large portion of its budget on the publication of the TarHelium. The TarHelium is the primary means of communicating with the members of the Section and for this reason the expense has always been well justified. In this modern world where "paperless" or "electronic" communication is possible, the Section is now allowing members the option of receiving an email notification indicating a new issue of the TarHelium is available online at the NC-ACS webpage.

For more information about receiving a "TH email notification" please visit the NC-ACS webpage at:

<http://membership.acs.org/N/NCarolina/>

*Cheers, Brad Sturgeon*  
*TarHelium Editor*

### CHEMJOB'S LAUNCHES FEB. 10, 2003

Chemical & Engineering News Classifieds & Careers Online (Chemjobs) will launch on February 10, 2003. This new "one-stop career shop" combines the features of Jobspectrum.org—for example, resume posting—with the C&EN online classified ads to provide career resources for both job-seekers and employers. ACS members will be able to view the most recent C&EN classified ads that appeared in the print version of the magazine; non-members will be able to view them after two weeks. Chemjobs will be the prime site for "quality jobs and quality chemists" to find each other. Chemjobs will also have an archive of useful career resource information and articles from C&EN and a direct link to ACS Department of Career Services. Stay tuned and log on Feb. 10: <http://www.cen-chemjobs.org>

## Employment Aids from the Local Section

As many of you are aware, the NC Section has a web page: <http://membership.acs.org/N/NCarolina/>. This page and the links therein are intended to be a resource for chemists in the Section. There are several links of interest particularly to those seeking employment. One link has a list of companies in the Section who hire ACS members; and another links to classified ads in the local paper and to a job search service for the area as well as to several other less targeted sources. Also there are links directly to company job opening web pages where we have been able to find them and links to some of the services offered on ACS web pages.

An additional resource for the most up-to-date job postings is the NCACS listserver. This listserver is operated as a public service of the NC Section and NC State University. There is no charge to anyone. It is operated as a moderated list, which means that only the list owner can approve posted material. This prevents the list from becoming overwhelmed with inappropriate messages. Only valid job openings and meeting announcements are approved. To subscribe, address mail to: [listserv@listserv.ncsu.edu](mailto:listserv@listserv.ncsu.edu). Include a 1-line message saying: `subscribe ncacs <your name>`

The subject line is ignored and your return address is taken as the subscription address. Anyone having a valid job opening can contact Bill Switzer at: [bill\\_switzer@ncsu.edu](mailto:bill_switzer@ncsu.edu). To unsubscribe, reply to any posted message requesting that your name be removed.

Also contact Bill at the same address if you have suggestions for other links that might serve as useful resources on the web page or if you would be interested in taking responsibility for maintaining one or more pages

## Employment Web Sites

### North Carolina State Bureau of Investigation

<http://webs.jus.state.nc.us/doj/hr/>

### Magellan Laboratory

<http://excellentadventure.magellanlabs.com/>

### News and Observer

<http://www.trianglejobs.com/>

### Scynexis

<http://www.scynexis.com/pages/opps.html>

Research Triangle Foundation links to jobs in RTP including the following

(<http://www.rtp.org/local/jobs/home.html>)

Aventis

BASF

Bayer Biological Products

BD Technologies

Biogen

Chemical Industry Institute of Toxicology

Covance Biotechnology Services Inc.

Eisai Inc.

Eli Lilly

Glaxo SmithKline Inc.

International Business Machines Corporation (IBM)

Lineberry Research Associates

Lockheed Martin Technical Services, Inc.

MCNC

National Institute of Environmental Health Sciences

North Carolina Biotechnology Center

Paradigm Genetics

Research Triangle Institute

Underwriters Laboratories Inc.

U.S. Environmental Protection Agency

**These links can all be access through the NC-ACS web site found at:**

<http://membership.acs.org/N/NCarolina/jobs.html>

If you would like your company's employment link added to this list please send an email to Brad Sturgeon at [bes@unc.edu](mailto:bes@unc.edu) ■

## Career Services at ACS Regional/National Meetings

Visit the Career Resource Center at these ACS regional meetings for an array of professional development programs and services. Features may include an employment clearing house (RECH), career management workshops, one-on-one resume critiques.

225th ACS National Meeting  
March 23-27, 2003  
New Orleans, Louisiana

For more information, job seekers and employers may visit the ACS website

[www.chemistry.org/careers/calendar.html](http://www.chemistry.org/careers/calendar.html)

**Employment Aids  
Available from  
NCACS**

## The TarHelium Volume 33: Number 3

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**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 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](mailto: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](mailto: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](mailto:bill_switzer@ncsu.edu). ■