



# The TarHelium

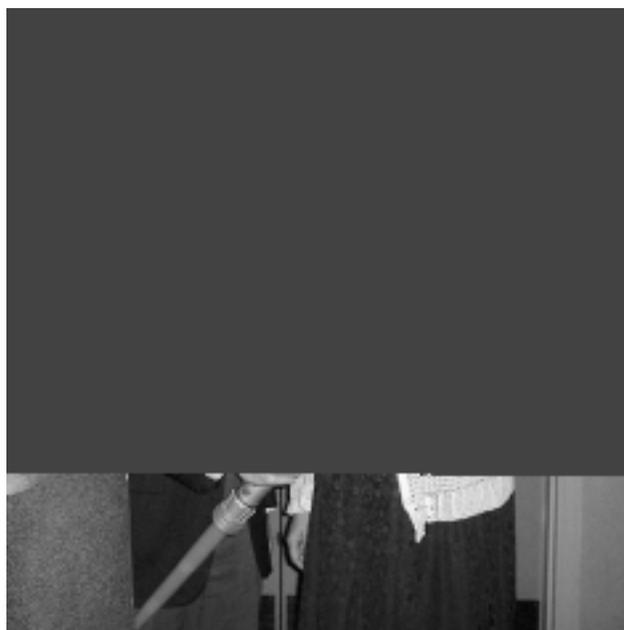
Volume 32, Number 2

January, 2002



## STATE OF THE SECTION

- Letter from New Chair
- Local Section Election Results
- Call for Papers, Local Section Conference April 13<sup>th</sup>
- ACS Membership Application
- Call for Posters - 19<sup>th</sup> TCDG Symposium
- SERMACS 2004 Update
- Project SEED report



2002 NC-ACS Chair Susan Sumner (CIIT) accepts the "Scepter of the Honorable Chair" from 2001 NC-ACS Chair Maury Balik (NCSU, Dept. of Material Sciences), a tradition started by the 1999 Chair George Wahl (NCSU, Dept. of Chemistry)

## Congratulations to Our New 2002 NC-ACS Officers

**Chair:** Susan Sumner  
**Chair-Elect:** John Myers  
**Secretary:** Sol Levine  
**Councilor:** Eric Bigham, Bob Morrison  
**Alt. Councilors:** Bill Switzer, Dick Forbis

As is customary, our 2001 Chair-elect Dr. Susan Sumner (CIIT) assumes the role of the 2002 Chair. Our new Chair-elect is Dr. John Myers (NCCU, Chemistry). John has hit-the-year running by making excellent progress on the organization of this year's Local Section Conference (see page 3); welcome John. Dr. Joan Bursey (Eastern Research Group) will be fulfilling her second year of her two-year term as Treasurer. Dr. Sol Levine (NSCU, Chemistry) has renewed his two-year commitment as the Section's Secretary. Our Section has five Councilors and five Alt. Councilors. We are fortunate to have all of our 2001 Councilors returning; Dr. Al Crumbliss (Duke, Chemistry), Dr. Richard Palmer (Duke, Chemistry), and Dr. Jim Chao (IBM) will continue to fulfilling their three-year terms and Dr. Eric Bigham (Glaxo Smith Kline) and Dr. Bob Morrison (NCSU) have refreshed their three-year commitment. We have four returning Alt. Councilors. Dr. Suzy Purrington (NCSU, Chemistry), Dr. Ed Samulski (UNC, Chemistry), and Dr. Walda Powell (Meredith, Chemistry) will be fulfilling their three year terms, and Dr. Bill Switzer has returned to start another three-year term. Our new Alt. Councilor is Dr. Dick Forbis (UNC, Chemistry). Dick brings to the NC-ACS executive committee many years of experience in both the academic and industrial environment. Great to have you aboard!

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## Remarks from the Chair



Dear Fellow Members of the  
NCACS Local Section,

I'm excited to have the opportunity to serve as your Local Section Chair for this year and would like to recognize my predecessor, Dr. Maurice Balik (NCSU), for his excellent leadership. My thanks to him for committing to serve as Past Chair to ensure the continuity and integrity of the Local Section.

As chair-elect, I had the chance to become familiar with the many activities NCACS administers and also with the many dedicated NCACS volunteers. (Information concerning our awards programs, discussion groups, officers, and educational out-reach activities can be found at our web-site, <http://membership.acs.org/N/NCarolina/>.) The success of our local section - now 105 years old - has depended greatly on the active membership from over 2,600 scientist in 26 counties extending to the northern and southern borders of the state. The dedication of chemists to this organization is clearly demonstrated by over 100 members who have greater than 50 years of service to our local section. The Local Section Conference (LSC) will be held in April at NCSSM, with Dr John Myers, our new chair-elect, serving as Technical Program Chair. Watch for information on the LSC in the TarHelium and on our web-site. Also, feel free to contact Dr. Myers with your ideas for the program.

Highlights of the 2001 LSC included over 60 presentations among 7 sessions covering a wide variety of scientific topics. In addition to the technical program, the Marcus E. Hobbs Award was presented to Dr. Richard Palmer of Duke University, and the Awards and Scholarships Program recognized Melanie Pribisko of UNC and Shawn Campagna of NCSU with the Undergraduate and Barbara A. Whittaker Memorial Scholarships, respectively. The program concluded with presentation of the 2001 Distinguished Lecturer Award to Dr. Aziz Sancar, UNC, followed by an enlightening summary of his research accomplishments in the area of light-activated DNA repair.

Educational outreach programs are very important to the NCACS, and we are very grateful to the dedication of Dr. William Switzer and Dr. Sol Levine, both of NCSU, Darrell Coleman (Eli Lilly), Dr. Romita Sen (Meredith), and Mr. Ken Cutler, NCCU, for taking leadership roles in execution of these programs.

Major educational outreach programs in 2001 included hands-on activities and demonstrations in the BioFrontiers Tent at the North Carolina State Fair, and celebrations during National Chemistry Week. Both events were a great success. The chemistry exhibit and demonstrations at the BioFrontiers tent at the State Fair were viewed by more than 150,000 people from all age groups. The LS is grateful to Darrell Coleman, Sol Levine, William Switzer, and the many LS volunteers who helped with the demonstrations. National Chemistry Week (organized by Romita Sen) included science demonstrations and hands on activities at the Museum of Natural Sciences in

Raleigh and the Museum of Life and Sciences in Durham. In addition, the NCACS partnered with Sigma Xi to bring the play "Oxygen" to Raleigh Memorial Auditorium. The Local Section will hold similar events in 2002, and welcome your participation.

Our third major educational outreach activity, Project SEED, is coordinated with great enthusiasm and dedication by Ken Cutler. Just last month Project SEED was recognized nationally by President Bush as one of ten top science mentoring programs in the country. Much credit for that honor goes to Local Sections, local coordinators, and the outstanding preceptors. Project SEED administrators identify promising high school students from economically disadvantaged backgrounds to participate in research programs with scientists in the Research Triangle Park and university faculties. This year, 23 students participated and gave excellent end-of-summer oral presentations. If you're interested in being a mentor or know of promising students, please contact our program coordinator.

The Local Section greatly benefits from the activity occurring in six Discussion Groups. The Magnetic Resonance, Mass Spectrometry, Polymer, and Chromatography Discussion Groups have meetings centered on the exchange of knowledge and stimulation of ideas. The Younger Chemists' Committee and the Senior Chemists' Committee are focused toward bringing chemists together for discussions of career development and participation in outreach activities. Everyone is welcome to participate in these Discussion Groups or to initiate new discussion group activities.

I'd like to thank the executive committee members continuing during 2002 for their dedication to the LS: Dr. Joan Bursey (ERG, Treasurer), Dr. Alvin Crumbliss (Duke, Councilor), Dr. Richard Palmer (Duke, Councilor), Dr. James Chao (IBM, Councilor), Dr. Edward Samulski (UNC, Councilor), Dr. Suzanne Purrington (NCSU, Councilor), and Dr. W. Powell (Meredith College, Alternate Councilor). Our newly elected members are appreciated for the time and expertise that they have committed for 2002: Dr. John Myers (NCCU, Chair-elect), Dr. Sol Levine (NCSU, Secretary), Dr. Eric Bigham (GSK, councilor), Dr. Robert Morrison (NCSU, councilor), Dr. William Switzer (NCSU, alternate councilor), and Dr. Richard Forbis (alternate councilor).

I'd also like to thank all of you for participating in the last year and encourage you to attend and participate in our many activities planned for 2002, or to create a new opportunity for our Local Section. We are always looking for new members and new ideas- so please encourage your colleagues to join and be an active participant in the local section.

Best regards,

*Susan Sumner*

2002 Chair  
sumner@ciit.org

## Call for Papers - 116<sup>th</sup> ACS Local Section Meeting

Saturday, April 13, 2002

North Carolina School of Science  
and Mathematics

**DEADLINE: Friday, February 22, 2002**



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 email the information to the address/fax number below.

Please register on-line or submit this form to:

Dr. John A. Myers  
Department of Chemistry  
North Carolina Central University  
Durham, North Carolina 27707  
Phone: (919) 560-6461  
FAX: (919) 560-5135  
E-mail: [jmyers@wpo.nccu.edu](mailto:jmyers@wpo.nccu.edu)

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

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

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

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

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

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

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

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

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

If the presenting author is a graduate student or post-doc, please provide the information below:

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

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

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

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

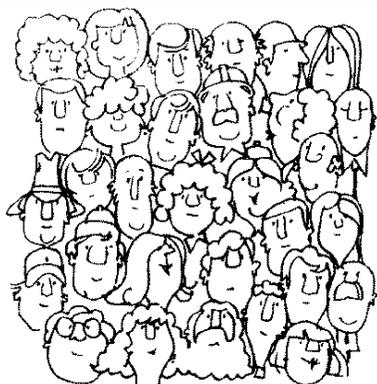
Session (1-first choice, 2-second choice):

- |                                       |   |  |
|---------------------------------------|---|--|
| <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. Transparency and computer projection will be available.



## Welcome to Our Newest ACS Members

Prathima S. Acharya	James E. Murphy
Cliff Becher	Erik Robert Nickelson
Leah A. Buhler	Mohamed A. Othman
Dean Chamberlain	Zian Pan
Bharadwaj Chandramouli	Marc Plinke
Katherine A. Cleary	Jennifer L. Poole Peckham
Heather M. Coburn	Nelson Eduardo Prieto
Dadi Dai	Ali H. Racine
Miles Brent Dearth	Christy Raska
Ginger M. Denison	Richard G. Robbins
Maosheng Duan	Michael Roche
Robert T. Gampe, Jr.	Jason P. Rolland
Kool Havis	Margaret Ryan
Tiffany N. Heady	S. Sankaranarayanan
David Hinks	Robert K. Schlatzer, Jr.
Lynn M. Horton	Stacy S. Schmitt
Jeffrey A. Huth	Aaron C. Small
Michael B. Jarstfer	Jeffrey Thomas Sterbenz
Desmond Kaplan	Matt Toczek
Rajat Kapoor	Trang U. Vo
Stephen R. Kraemer	Brandon Ray Walker
Linda M. Kuhns	Shan-li Wang
James W. Lindsey	Marshika T. Williams
Daniel A. Marks	Fred K. Zeth
Vivian Ann Mativo	Xiaohua Zhang
Karen A. Mcallister	

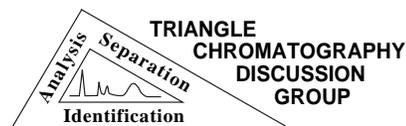


With each mailing of the TarHelium, there are always some returned to the section (at a fee) due to an incorrect or obsolete address.

To make sure you receive your local section information on time, notify the ACS with any address changes. Just log onto <http://membership.acs.org/N/NCarolina/> to update your records on-line.

## CALL FOR POSTERS

### 19<sup>th</sup> Annual TCDG Symposium & Instrument Exhibit



The Triangle Chromatography Discussion Group (TCDG) will hold its 19<sup>th</sup> Annual Exhibit, Symposium and Poster Session at the McKimmon Center in Raleigh on Thursday, May 16, 2002. As part of this meeting the Group will sponsor a poster session. Anyone is invited to participate in the poster session, but for student posters only, prizes will be given. The first prize is \$400.00 and second prize is \$200.00.

Deadline for receipt of abstract is March 31, 2002. The abstract should be no longer than 150 words. Send the abstract along with title, authors, affiliation, and complete address and phone number to:



Dr. Sherry Movassaghi  
Aventis CropScience  
P.O. Box 12014  
Research Triangle Park, NC 27709  
e-mail: [sherry.movassaghi@aventis.com](mailto:sherry.movassaghi@aventis.com)

## MEMBERSHIP HAS ITS PRIVILEGES!

The American Chemical Society announces its newest benefit for you the member. We are excited that we can offer you discounts on your next stay at any of the following hotels: **Ameri-Host, Days Inn, Knights Inn, Ramada Inn, Travelodge, Villager and Wingate Hotels.** Take a minute and call 1-877-670-7088 to make your reservation, or call the hotel directly, mention the Society's discount #62871 and receive up to 20% off your next visit at any of the previously mentioned hotels.

*"Leadership is the courage to admit mistakes, the vision to welcome change, the enthusiasm to motivate others, and the confidence to stay out of step when everyone else is marching to the wrong tune." - E. M. Estes*

## Southeastern Regional Meeting American Chemical Society 2004



Each year in the fall, the Southeast Region of the ACS has a regional meeting (SERM). As many of you are aware, SERM 2004 will be hosted by our NC Section. The last time our section hosted a SERM meeting (1998), it was one of the largest ever in our region and took a lot of planning and effort by many of our members.

In a weak moment, I have agreed to be the General Chair for SERM 2004 and planning is now underway by the SERM 2004 Steering Committee. With the huge success of the SERM98 held in RTP, we have many returning committee members, but we need additional committee chairmen. Chairmen are needed for such committees as Finance, Publicity, Workshops, Banquets, Public Relations, Housing and Transportation.

A complete list of the positions along with their descriptions is available on the section website

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

The first formal meeting will be held at CIIT (Davis Drive just off Rt. 40) on February 6, 2002 at 3:00 PM. If you are interested in working on SERM 2004 or want some more information before you commit, come to this meeting or contact Sol Levine, at [slevine@pams.ncsu.edu](mailto:slevine@pams.ncsu.edu) or 515-6282.

Submitted by  
*Dr. Sol Levine*  
Department of Chemistry, NCSU  
(919) 515-6282

## The Overcoming Challenges Award - Call for Applications

The Women Chemists Committee of the American Chemical Society has established an award designed to recognize a woman undergraduate from a two-year or four-year institution for her efforts in overcoming hardship to achieve success in chemistry. The award consists of a plaque, a monetary award of \$250, and up to \$1,000 in travel expenses to the fall ACS national meeting. The recipient will be recognized at the WCC Luncheon on Tuesday afternoon at that meeting.

### Criteria:

- Awardee must be a woman undergraduate currently enrolled in a two-year chemistry related program or pursuing a major or minor in a four-year chemistry program at a school that does not grant a doctoral in chemistry. The awardee must have completed one semester of college level chemistry.
- Applicants must demonstrate that they have overcome hardships (economic, personal, or academic) in pursuit of their education in order to be considered for the award.
- The jury will consider 4 categories: improvement, initiative, successes, and grades from the previous two semesters (not cumulative grade point average).

### Award Administration:

- Nominees must submit a letter requesting the award, one letter of recommendation, and school transcripts. The request should contain nominee name, address, telephone number, and email address as well as explain the hardships the student has overcome and her current successes.
- Submissions should be sent to: Women Chemists Committee, American Chemical Society, 1155 16th Street, NW, Washington DC 20036.

Nominations must be received by May 1, 2002. The award will be presented at the fall ACS National Meeting in Boston, MA, at the Women Chemists Luncheon on Tuesday, August 20, 2002.

## REPORT ON NATIONAL CHEMISTRY WEEK

November 4-10, 2001

The North Carolina section organized Chemistry Days at two area museums, Museum of Natural Sciences in Raleigh on November 4, and the Museum of Life and Science in Durham on November 10. Hands-on activities and chemical demonstrations included creating marker butterflies to illustrate paper chromatography, making dyes and paints, display of the effects of chemical composition on color and texture of ceramic glazes, and working with stained glass glue. Chemistry "magic" was performed by the Alpha Chi Sigma chemistry fraternity of University of North Carolina at Chapel Hill, using acid-base indicators, chemiluminescence and other reactions.

Presentations included the explosive, smoking, "It's a Gas: Fun with Gases from Liquid Nitrogen and Dry Ice," presented by William L. Switzer of North Carolina State University's Department of Chemistry and the Science House. Randy Bechtel, a museum staff member, presented "Nature's Color and Light Show", featuring live animals and objects demonstrating colors in nature.



Bill Switzer of NCSU, Chemistry Department thrills the audience AGAIN with his bag of chemistry tricks.

During the week, North Carolina ACS co-sponsored with SIGMA Xi the staging of the play "Oxygen" by Carl Djerassi and Roald Hoffmann, and a talk on violinmaking by Joseph Nagyvary of Texas A & M University. The latter presentation titled "Violin Making: Is it Art or Is It Science?" demonstrated the collaboration of scientist and craftsman necessary to create a great violin. The two-act play "Oxygen" was performed several times in Raleigh

during National Chemistry Week. Nobel laureate, Roald Hoffmann, Cornell University, introduced each performance and led a post-performance discussion.

Submitted by  
Romita Sen  
NCW Coordinator



Scientists from Magellan Laboratories (Dr. Andrew Kolbert and Mrs. Amanda C. Ryder, shown) present chromatography demonstrations.

## Points to Ponder!

*"Don't look for what makes you happy in life - deal with what prevents you from it."*

Robert Cory, Writer

*"Gardening Wisdom Applied to Life: If the grass looks greener on the other side of the fence - FERTILIZE."*

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## NC-ACS Discussion Groups



### 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/pgd/>

#### 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/ycc/index.html>

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

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

#### ACS Polymer Discussion Group

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

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.

**February 14, 2002** - "Viscoelastic Properties of Layered Silicate" - Professor Ramanan Krishnamoorti University of Houston

**March 14, 2002** - "Nanocomposites" - Dr John Pojman University of Southern Mississippi

For more information, to make dinner reservations, or to be added to the email list, contact Keith Dawes (515-7010) or email: [Keith.Dawes@ncsu.edu](mailto:Keith.Dawes@ncsu.edu)

**Triangle Area Mass Spect. Discussion Group** - <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.

All correspondence is through the TAMS e-mail distribution list and the TAMS website. Membership in the group is free and anyone can join by sending an e-mail to Daniel Morgan at [dm19700@gsk.com](mailto:dm19700@gsk.com).

**April 12, 2002** - "Fifth RTP LC/MS Workshop" (Sponsored by Applied Biosystems/MDS Sciex)

Product Launch Seminar: The API 4000

12:00 - 2:00 - Camille Dreyfus Auditorium, RTI

Contact Dr. Charles Liu

**April 17, 2002** - "Ultra-fast GC/MS and the Electronic Nose in Environmental, Forensic, Food, and Pharmaceutical Applications"

Professor Albert Robbat, Jr.,  
GlaxoSmithKline (Room 5.2108)

**Triangle Chromatography Discussion Group**  
<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. This coming year will be the 19<sup>th</sup> symposium and will be held in May 16, 2002.

A "Call for Posters" has been issued for the 19<sup>th</sup> Annual Symposium and Instrument Exhibit - see article on page 4 of this issue for further information.

For more information regarding this discussion group please visit the website <http://rtpnet.org/~tcdg>.

**Chemical Education/High School Teachers Discussion Group (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.

If you are interested in becoming involved in this discussion group please contact Dr. Myra Halpin at the NC School of Science and Math ([halpin@ncssm.edu](mailto:halpin@ncssm.edu)).

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>`. Problems subscribing can be addressed to [sturgeon@ncssm.edu](mailto:sturgeon@ncssm.edu)

### Younger Chemists' Committee (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 programs are designed to provide informative lectures and discussions relevant to YCC members.

Last year, the North Carolina Section YCC committee received the distinction of receiving an award for the best new YCC committee. This year, they were recognized for hosting the most Outstanding Local Section YCC Event for their major participation in the North Carolina State Fair Cyberspace Exhibit! Over 45 YCC volunteers presented demonstrations and served as guides for this 10 day event. The attraction drew more than 168,000 visitors to the exhibit and was widely acclaimed as one of the favorites of the show!

Meetings are planned for once a quarter and we will be involved with National Chemistry Week and the NC State Fair as well as other projects that promote Chemistry in the Section. More information about the YCC can be found on the NC-ACS website.

### 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 listserv. This listserv 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. 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.

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 Chemistry & Automation, Inc  
(<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  
CIIT  
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 [sturgeon@ncssm.edu](mailto:sturgeon@ncssm.edu)



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) (needed for C&EN free online subscription)

**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

National 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 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)
- Black or African American
- Hispanic
- Asian
- American Indian or Alaskan Native
- Native Hawaiian or Pacific Islander
- Other \_\_\_\_\_

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

<p>Office Use Only</p> <p>MG BC _____ HDL _____ ASD _____</p> <p>MJR _____ MED _____ PNI <u>6826G</u></p> <p>DEL _____ TEC _____</p>	<p>This space for use of ADMISSIONS COMMITTEE</p>	<p>Local Section/Division Commission Claim</p> <p><b>North Carolina Local Section</b></p>
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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.

**National Affiliation** National Affiliates pay three-quarters 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

Member	\$108.00
Student Member	\$54.00
National Affiliate	\$81.00

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

## 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"/> Medicinal Chemistry                          |
| <input type="checkbox"/> Carbohydrate Chemistry              | <input type="checkbox"/> Nuclear Chemistry and Technology             |
| <input type="checkbox"/> Cellulose, Paper and Textile        | <input type="checkbox"/> Organic Chemistry                            |
| <input type="checkbox"/> Chemical Education*                 | <input type="checkbox"/> Petroleum Chemistry                          |
| <input type="checkbox"/> Chemical Health and Safety          | <input type="checkbox"/> Physical Chemistry                           |
| <input type="checkbox"/> Chemical Information                | <input type="checkbox"/> Polymer Chemistry                            |
| <input type="checkbox"/> Chemical Technicians                | <input type="checkbox"/> Polymeric Materials: Science and Engineering |
| <input type="checkbox"/> Chemical Toxicology                 | <input type="checkbox"/> Professional Relations                       |
| <input type="checkbox"/> Chemistry and the Law               | <input type="checkbox"/> Rubber Division                              |
| <input type="checkbox"/> Colloid and Surface Chemistry       | <input type="checkbox"/> Small Chemical Businesses                    |
| <input type="checkbox"/> Computers in Chemistry              |   |
| <input type="checkbox"/> Environmental Chemistry             |   |
| <input type="checkbox"/> Fluorine Chemistry                  |   |

\* Journal of Chemical Education not included.

## 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 your 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

## New ACS Publications Available

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

**C**urious about the non-technical skills that many employers increasingly are asking for in today's chemical workplace? Need some tips about writing a curriculum vitae?

You can download new publications on each of these subjects as well as gain access to an entire library of career-development publications and other resources at ACS' Department of Career Services website, [www.chemistry.org/careers](http://www.chemistry.org/careers).

Interested in sizing up an employment situation you may be considering? While at the above website, you may wish to use the Salary Comparator which allows members to evaluate their salaries with other members in their employment situation.

This new tool also allows members to examine any employment situation within the scope of the ACS surveys, including new graduates' starting salaries. The comparator is available only to ACS members. For further information, email: [careers@acs.org](mailto:careers@acs.org) or (voice) 1-800-227-5558.

## Southeast Region 2001 Regional High School Teacher Award



**C**ongratulations to **James Michael Arim** (Charlotte Latin School, NC), recipient of the 2001 ACS Regional Award in High School Chemistry Teaching for the Southeast Region.

## CIIT Provides Home Base for Project SEED

**T**he CIIT Centers for Health Research and its affiliated Health Research and Education Foundation (HR&EF) are partnering with NC-ACS in supporting Project SEED. While Project SEED receives its funding for its activities from the Burroughs Wellcome Fund and American Chemical Society, the NC-ACS Project SEED now has an office and administrative support from CIIT and the HR&EF.

The Project SEED office is now based at the CIIT Centers for Health Research in Research Triangle Park. Coordinator Kenneth Cutler (North Carolina Central University) is also being provided administrative, computer and communications support. Project SEED meetings and seminars are held at CIIT and they have also been provided with a web page under the education section at [www.ciit.org](http://www.ciit.org). Project SEED assists disadvantaged high school students in pursuing careers in the chemical sciences by providing a comprehensive internship in scientific research. For more information send email to Mr. Cutler at [NCProjectSEED@aol.com](mailto:NCProjectSEED@aol.com)



*Kenneth Cutler (NC-ACS Project SEED Coordinator) and the 2002 NC-ACS Chair Dr. Susan Sumner (CIIT Centers for Health Research) on the CIIT campus.*



## ADVERTISING

**T**he TarHelium is published four times a year and all issues of the TarHelium accept and welcome advertising. The cost is \$25 per column-inch based on a 3.5 inch width; two-inch minimum. There is a 10% discount for advertising in three or more issues in a publication year which runs bimonthly from September through April.

Donations to the NC Section of the ACS help sustain Local Section activities. All contributions are tax deductible and greatly appreciated.

Contact the editor, Brad Sturgeon at [sturgeon@ncssm.edu](mailto:sturgeon@ncssm.edu)

# The TarHelium Volume 32: Number 2

Bradley E. Sturgeon, Editor  
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## 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](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).

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