

The TarHelium



Volume 36, Issue 3

February 2006



Keith E. Levine, Editor

Judi Price, *Copy Editor*

Jay Brown, *Secretary & Address Information*

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MANSUKH WANI HONORED WITH NORTH CAROLINA AWARD

RTI International scientist Dr. Mansukh Wani was among six distinguished North Carolinians honored by Governor Mike Easley with the state's highest achievement at the 2005 North Carolina Awards ceremony in Raleigh. Wani, who was presented an award for scientific achievement, joined others whose accomplishments in the fields of literature, the fine arts and public service earned similar recognition.

Wani, in partnership with the late Dr. Monroe Wall, discovered two compounds – camptothecin and Taxol – which since 1992 have been instrumental in the fight against cancer and whose derivatives today represent nearly one-third of all anti-cancer medications on the market.



"Through his ongoing research, Dr. Wani continues to improve the lives of thousands of cancer patients and their families," said Victoria Haynes, RTI president and chief executive officer. "We are honored and very pleased to see him recognized for this research that has positively improved the lives of so many people."

Taxol was approved in 1992 for the treatment of ovarian cancer and subsequently was approved for treatment of several other types of malignancies, including breast, lung, and prostate cancer. More than 17 analogs of Taxol are in clinical trials for breast, prostate, brain, skin, pancreatic, colorectal and lung cancers. New studies also have shown that Taxol may be effective in treating Alzheimer's disease and scleroderma.

Born in India, Wani earned a bachelor's and master's degree in chemistry before coming to America to earn a doctorate degree at Indiana University. He later conducted post-doctoral research at the University of Wisconsin before joining RTI in 1962.

Presenting the awards along with Governor Mike Easley, were his wife Mary Easley and Lisbeth C. Evans, secretary of the N.C. Department of Cultural Resources. An awards committee chaired by Dr. Thomas K. Hearn selected the recipients from nominations submitted by the public. Other committee members are Nick Bragg, Jean W. McLaughlin, Hal Crowther and Shirley T. Frye.



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C. Goss, *Chair*

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J. Brown, *Secretary*

J. T. Bursey, *Treasurer*

The TarHelium

Volume 36: Number 3

Keith E. Levine, *Editor*

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RTP, NC 27709-2194

REMARKS FROM THE 2005 LOCAL SECTION CHAIR

As I close the year as Chair of our NC Section, I have taken a few minutes to reflect back on our activities and people over the past year. This has been a year of growth in both new and repeat activities for the Section. For example:

- We added the NBC-17 Health Fair to our public outreach program, and attracted many people to our exhibit booth at this very well attended event.
- National Chemistry Week (NCW) at the North Carolina Museum of Natural Sciences attracted record crowds.
- Our shows at the North Carolina State Fair attracted the largest number of people for all the shows going on in the Healthy Farms tent.
- The Local Section Symposium Meeting again was successful, with good numbers of papers and attendees.
- Our various discussion groups sponsored symposia and had successful meetings with excellent speakers. Included among these was a visit and talk by the ACS President, Bill Carroll, presenting a vision for the future.



But these were just the highly visible aspects of our work during 2005; consider the less visible activities, many of which related to chemical education.

- We again supported the Chemistry Olympiad.
- We gave out a number of undergraduate scholarships for student research, in conjunction with the Triangle Chromatography Discussion Group.
- We again had one of the more successful Project SEED efforts for all ACS sections.

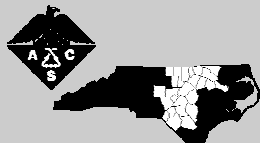
Although as chair of the section, I received the letters of commendation, etc. for jobs well done, I must say that all of the above were jobs done by some very enthusiastic volunteers and members of our executive committee. To all of them, I give a very big **“THANK YOU”** from myself and on behalf of the 2650 members of the NC Section.

But we are not done: there is much more to be done and much more to be improved upon. And all of you who would like to help: there is room on any committee or on any activity for your support and help. What do you need to do to get involved in your professional organization? Just contact me (naturpix@mindspring.com) as past chair, Charlie Goss (charles.a.goss@gsk.com) as 2006 chair, or Alan Tonelli (alan_tonelli@ncsu.edu) as our 2006 chair-elect.

Again, my thanks to all who helped make this a successful year. I look forward to some continued work to help make future years even more successful.

Best regards,

Sol Levine
Outgoing 2005 Chair



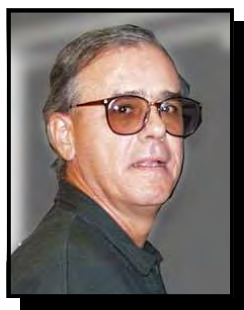
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C. T. Lowden
L. Milstein
K. Tomer
S. Craig, PDG
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T. M. O'Connell, TMRDG
D. Coleman, YCC
M. Halpin, CEDG
R. Davison, SCC

CONGRATULATIONS TO OUR NEW NCACS 2006 OFFICERS

Chair:	Charles Goss
Chair-Elect:	Alan Tonelli
Secretary:	Jay Brown
Councilor:	James Chao
Alternate Councilor:	Lisa Milstein Kenneth Tomer

As in previous years, the 2005 chair-elect, **Charles Goss**, assumes the role of the 2006 NCACS section chair. As chair-elect, he was heavily involved in the local section's activities last year, including organization of the 119th NCACS Sectional Conference, held in April at North Carolina State University. He is currently an Investigator in the Chemical Development Analytical Sciences Department at GlaxoSmithKline.



Alan Tonelli, our new chair-elect, has actively served the ACS throughout his career. His professional service to the Society has included terms as chairman of the polymer discussion groups for both the North Jersey section and North Carolina section and as an invited ACS national tour speaker in 1986 and 1988. Since 1991, he has served on the faculty of North Carolina State University, where is currently a KoSa Professor of Polymer Science.

Jay Brown was re-elected as the NCACS secretary, a post where he has served the local section throughout the past year. Jay is an active member of the Chemistry and the Law (CHAL) division of the ACS. He is currently a partner of The Eclipse Group, where he provides a broad range



of intellectual property services for his clients.



James Chao will continue his service to the NCACS by completing another three-year term as a local section councilor. He has served the local section in a number of capacities, including as chairman, alternate councilor, and councilor. James, currently employed at IBM alphaWorks, will join sitting local section councilors Alvin Crumbliss, Robert Morrison, Jr., Richard Palmer, and Laura Sremaniak.

Lisa Milstein was elected to serve as an alternate councilor for a three-year term. While in school in Cincinnati, she was President of the local Iota Sigma Pi Radium chapter (a national honor society for women in chemistry). Lisa is currently a Research Analytical Chemist at RTI International, where she leads trace element speciation studies.



Kenneth Tomer was appointed by the executive committee to fill the remainder of Alan Tonelli's three-year term as alternate councilor. He is currently Senior Investigator at NIEHS and is head of the Mass Spectrometry Workgroup in the Laboratory of Structural Biology. Kenneth Tomer and Lisa Milstein will join Richard Forbis, Christopher Lowden, and Nicholas Oberlies as local section alternate councilors.

Joan Bursey will complete the second year of her two-year term as treasurer. In this capacity, she has actively served the local section for the past several years.

2006
NCACS
Officers

JOIN ACS COLLEAGUES AT 2006 NBC17 HEALTH AND FITNESS FESTIVAL

May 20-21, 2006



The North Carolina Local Section will once again bring its popular Chemistry Stage Show and Exhibit to the NBC17 Health and Fitness Festival. Last year, ACS members had the opportunity to reach over 36,000 people from diverse age groups and cultural backgrounds. Perhaps the highlight of our exhibit was Congressman David Price helping with our chemical demonstrations.

2006 NBC17
Health and
Fitness
Festival

Because this year's festival is expected to draw at least as many people as the 2005 event, it will be moved to the Graham Building at the North Carolina State Fairgrounds and will be held on May 20th and 21st.



The NBC17 Health and Fitness Festival is quickly becoming one of our most exciting events of the year, and you can be a part of it by volunteering or attending. If you would like to help the North Carolina Section with this important community outreach event, please contact our exhibit organizer, Darrell Coleman (dscoleman@bellsouth.net).

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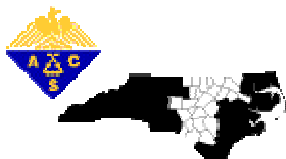
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CALL FOR NOMINATIONS: 2006 NCACS AWARDS

The Executive Committee invites all NCACS members to nominate worthy individuals for the **Marcus E. Hobbs Service Award** and the **NCACS Distinguished Lecturer Award**. Descriptions and past winners of these awards are listed below. Both awards will be presented at the 2006 NCACS Local Section Conference. Nomination packages should be forwarded to Dr. Sol Levine, Chair - NCACS Awards Committee, at the address below. The nomination deadline for both awards is February 24, 2006.

Dr. Sol Levine
1307 Legacy Green Avenue
Wake Forest, NC 27587
naturpix@mindspring.com

For the Marcus Hobbs award, the nomination package should include a nominating letter summarizing the contributions the nominee has made to the NCACS and a CV. For the NCACS Distinguished Lecturer Award, the nomination package should include a nomination letter summarizing the nominee's research contributions, a CV and up to 2 additional letters of support.



The Marcus E. Hobbs Service Award

The Marcus E. Hobbs award was established in 1988 to recognize members who have made significant, long-term contributions to the North Carolina Section of the American Chemical Society. The award was named for Marcus E. Hobbs, Department of Chemistry, Duke University, a model member who worked closely with the North Carolina Section since he served as Chair in 1945.

Past Awardees:

- 2005 Howie James – Waters Corporation
Sol Levine – North Carolina State University
- 2004 Robert W. Morrison, Jr. – North Carolina State University
Bradley E. Sturgeon – Western Carolina University
- 2003 Alvin L. Crumbliss – Duke University
- 2002 Thomas A. Lehman – Environmental Science and Toxicology
- 2001 Richard A. Palmer – Duke University
- 2000 Richard D. Gilbert – North Carolina State University
- 1999 John W. Hines – Research Triangle Institute
- 1997 Suzanne T. Purrington – North Carolina State University
- 1996 Ernest L. Eliel – University of North Carolina at Chapel Hill
- 1995 James L. Chao – IBM Corporation
- 1994 Joan T. Bursey – Radian Corporation
- 1993 William E. Hatfield – University of North Carolina at Chapel Hill
- 1991 Eric C. Bigham – Burroughs Wellcome Company

Peter Smith – Duke University
- 1989 William L. Switzer – North Carolina State University

Halbert H. Carmichael – North Carolina State University

William F. Gutknecht – Research Triangle Institute

2006
NCACS
Awards

(Continued on page 6)

**Previous
Recipients
of NCACS
Awards**

(Continued from page 5)

- 1988 Maurice M. Bursley – University of North Carolina at Chapel Hill
- Robert G. Ghirardelli – Army Research Office
- Marcus E. Hobbs – Duke University
- William F. Little – University of North Carolina at Chapel Hill
- Monica R. Nees – Research Triangle Institute

NCACS Distinguished Lecturer Award

This award is given annually to a NCACS member who has made significant and recognized research contributions to the chemical sciences.

Past Awardees:

- 2005 Daniel L. Comins, North Carolina State University
- 2004 Joseph DeSimone, University of North Carolina at Chapel Hill and North Carolina State University
- 2003 Mansukh C. Wani – Research Triangle Institute
- 2002 Myung-Hwan Whangbo – North Carolina State University
- 2001 Aziz Sancar – University of North Carolina at Chapel Hill
- 2000 Radhakrishna M. Jayanty – Research Triangle Institute
- 1999 Louis D. Quin – Duke University
- 1997 Monroe Wall – Research Triangle Institute
- 1996 Roger E. Miller – University of North Carolina at Chapel Hill
- 1994 James Jorgenson – University of North Carolina at Chapel Hill

- 1993 F. Ivy Carroll – Research Triangle Institute
- 1992 Maurice S. Brookhart – University of North Carolina at Chapel Hill
- 1991 Bertram O. Fraser-Reid – Duke University
- 1990 Richard V. Wolfenden – University of North Carolina at Chapel Hill
- 1989 Royce W. Murray – University of North Carolina at Chapel Hill
- 1988 Irwin Fridovich – Duke University
- 1987 Pedro Cuatrecasas – Burroughs Wellcome Company
- 1986 Mary Ellen Jones – University of North Carolina at Chapel Hill
- George H. Hitchings – Burroughs Wellcome Company

Prior to 1986:

- Ernest L. Eliel – University of North Carolina at Chapel Hill
- Edward M. Arnett – Duke University
- Ned A. Porter – Duke University
- Robert G. Parr – University of North Carolina at Chapel Hill
- Vivian T. Stannett – North Carolina State University
- Gertrude Elion – Burroughs Wellcome Company

Send your nominations before February 24, 2006 to:

Dr. Sol Levine
1307 Legacy Green Avenue
Wake Forest, NC 27587
naturpix@mindspring.com

2006 COOPERATIVE RESEARCH AWARD IN POLYMER SCIENCE

The winners of the 2006 Cooperative Research Award in Polymer Science and Engineering, presented by the American Chemical Society's Division of Polymeric Materials: Science and Engineering (PMSE), are Dr. Steven D. Smith, Principal Scientist, Procter and Gamble Company (and Adjunct Professor at North Carolina State University and the University of Cincinnati) and Dr. Richard J. Spontak, Alumni Distinguished Professor in the Departments of Chemical and Biochemical Engineering and Materials Science and Engineering at North Carolina State University. This award, which is endowed by the Eastman Kodak Company, has been presented annually since 1992.

Smith and Spontak have collaborated for the past 15 years in the area of block copolymer materials, leading to over 40 scholarly publications in journals including *Science*, *Advanced Materials*, and *Macromolecules*. The idea of incorporating random blocks into copolymers yielded copolymers which were found to possess unusual properties and morphologies. The complex morphologies of these new materials led Smith and Spontak to develop the cutting-edge analytical technique known

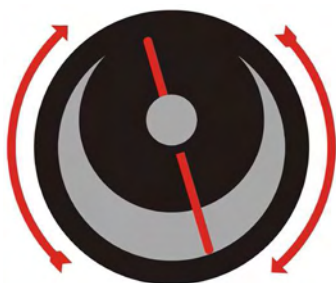
as transmission electron microtomography (TEMT), which yielded unprecedented information not otherwise obtainable. The synergy between academic and industrial participants in this team has provided many fresh insights into complex problems associated with new materials development, while maintaining the highest of scholarly standards.

The award, which includes a \$3,000.00 prize, will be presented at PMSE's awards luncheon and will be recognized by the Symposium "Ordered Block Copolymers: Cooperative Research Award honoring Steven D. Smith and Richard J. Spontak" at the 231st American Chemical Society meeting in Atlanta, Georgia, (March 2006).



Dr. Richard Spontak, NCSU

**2006
Cooperative
Research
Award
Winners**



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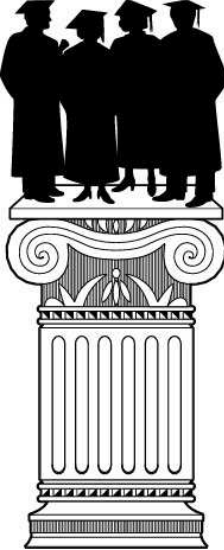
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2005 NC
ACS
Scholarship
Award
Nominations

TCDG
Symposium
and
Instrument
Exhibit

CALL FOR PAPERS – NCACS 2006 SCHOLARSHIP AWARDS



Scholarships will be awarded to undergraduate students who will actively be conducting research in the chemical sciences. The exact scholarship amount will depend on the number of awards. Last year, Gregory W. Charville (UNC – Chapel Hill) received a first place NCACS award of \$2,000, and Mark Adam Eckert (NCSU) and Kimberly Hung (UNC – Chapel Hill) received NCACS runner-up awards of \$1,250 each. Please note that only undergraduate students within the North Carolina Section of the ACS are eligible.

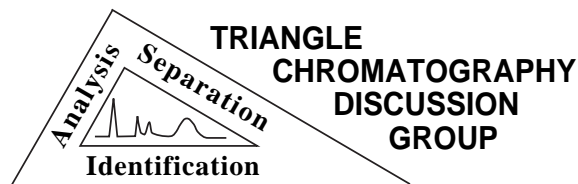
Scholarship money can be used to supplement the needs of the student's work in the laboratory in the form of research reagents, copies, books, and computer software. The scholarship money can not be used for tuition or housing costs. The scholarship grant becomes available for work beginning as early as the summer of 2006, and expires at the end of the spring semester in 2007.

Application Deadline: April 28, 2006.

Applicants are strongly encouraged to use the on-line scholarship application form found at the following URL:

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

or contact Bryce Chaney (Bryce_Chaney@bd.com) for application instructions.



23RD TRIANGLE CHROMATOGRAPHY SYMPOSIUM AND INSTRUMENT EXHIBIT

Thursday, May 18, 2006

McKimmon Conference and Training Center
NCSU, Raleigh

The Symposium will feature state-of-the-art presentations in diverse areas of chromatography by nationally known experts. Invited Symposium speakers will be:

- Matthew Przybyciel** (ES Industries) - *Novel LC Chemistries and Applications*
- Robert Sears** (SC SLED) - *Applications of Forensic GC*
- Christa Colyer** (WFU) - *Phycobiliproteins by CE*
- Lisa Ford** (Scynexis) - *Automated Methods Development for LC/MS*
- William Tong** (SDSU) - *Ultra sensitive Detectors*
- Nicholas Oberlies** (RTI) - *Isolation of Constituents from Herbal Drugs*

The Instrument Exhibit will feature the largest concentration of vendors for chromatographic instruments and supplies in the southeast. Registrations fees will be \$35 (or less for ACS members, students) before May 12th and \$55 or less onsite and is waived for authors of student posters. Lunch will be provided on the premises as part of the registration. Free Exhibit-Only registration is also available.

Student posters will be presented in the Exhibit Hall as part of the information exchange available at this event. The posters will be judged in a competition for prizes. Abstracts of 150 words or less must be received by April 1st, notification of acceptance will be sent by April 15th.

Details of the Symposium and Exhibit, including online registration, will be made available through flyer mailings and on the TCDG web site:

<http://rtpnet.org/tcdg/>

NOBEL LAUREATE JOINS DUKE UNIVERSITY MEDICAL CENTER

Peter C. Agre, M.D., winner of the 2003 [Nobel Prize in Chemistry](#), joined Duke University Medical Center in July 2005 as vice chancellor for science and technology.

In this newly created leadership post, Agre will help guide the development of Duke's biomedical research enterprise in ways that will further enhance its efforts to support and attract the world's top scientists and students. In addition, Agre will lead an effort to assess health care needs on a global scale, and ensure that Duke's research programs are positioned to address those needs.



Agre's appointment was announced by Victor J. Dzau, M.D., chancellor for health affairs at Duke and president and CEO of the Duke University Health System.

"Peter is one of the most accomplished physician-scientists of our era," said Dzau. "But he is even further distinguished by his passion to improve the lives of people throughout the world. His interests span not only science and medicine, but also human rights and the education of children in math and science. His world view is perfectly matched to Duke's aspirations, and we are delighted that he will help us shape the future of this institution and medicine worldwide."

In his role as vice chancellor for science and technology, Agre will work closely with the chancellor for health affairs, the deans of the medical and nursing schools, and with the faculty to develop strategies for the future direction of science as well as the opportunities that will be enabled by rapidly evolving technologies.

"After many years as a bench scientist, I've become increasingly interested in contributing to science in a broader way," said Agre. "The work I'm about to begin at Duke will help to shape the next generation of scientists, who will determine whether our nation will continue to lead the world in science and medicine."

Agre, 55, received his medical doctorate from Johns Hopkins University School of Medicine in 1974. He took a residency in internal medicine at Case Western Reserve University and a fellowship in hematology/oncology at the University of North Carolina at Chapel Hill. In 1981, he returned to Hopkins where he progressed through the ranks of the departments of medicine and cell biology. In 1993 he joined the department of biological chemistry as a full professor. Agre was elected to membership in the National Academy of Sciences in 2000 and to the American Academy of Arts and Sciences in 2003.

In 2003, he shared the Nobel Prize in Chemistry for revealing the molecular basis for the movement of water into and out of cells. His 1992 paper in the journal *Science*, with Johns Hopkins physiologist Bill Guggino, Ph.D., documented the discovery of the first water-channel protein – called an aquaporin – which facilitates the movement of water molecules into and out of cells through the cell membrane. Since then, Agre and his colleagues have found aquaporins to be part of the blood-brain barrier and also associated with water transport in skeletal muscle, lung and kidney. Researchers worldwide now study aquaporins, and have linked aberrant water transport to many human disorders.

One of the issues Agre says he will address early on is the urgent need to improve science and mathematics education in the nation's primary and secondary schools.

"In the 20th century, America led the world in producing important advances in medicine," said Agre. "We spawned new industries, such as biotechnology. But today, the state of science and math education in our public schools is in crisis, and it poses a threat to America's leadership in science. The need to reinvigorate science and math education must become a national priority."

*Jeffery L. Molter,
Duke University Medical Center*

**Agre Joins
Duke
University
Medical
Center**

120th ACS LOCAL SECTION MEETING—Saturday, April 22, 2006Title: _____

Presenter: _____

Affiliation: _____

Phone: _____

E-mail: _____

Address: _____

City: _____ State: _____ Zip: _____

Index co-authors with a number, for example:

Alan Tonelli (1), John Myers (2)

(1) NCSU, (2) NCCU

Co-authors: _____

Co-author affiliations: _____

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

Research Director: _____

Affiliation: _____

Phone: _____

Email: _____
=====

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

 Analytical Organic Inorganic Physical Medicinal Environmental Biochemistry Chemical Education Polymer Other: _____
=====Type of presentation: Oral* Poster Either

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

Form for
120th ACS
Local
Meeting
Section
Abstracts

CALL FOR PAPERS 120th ACS LOCAL SECTION MEETING

**SATURDAY,
APRIL 22, 2006**

North Carolina Central University
Durham, North Carolina
Mary M. Townes Science Center

**SUBMISSION DEADLINE:
Friday, March 24th, 2006**

Authors are ***strongly encouraged*** to submit papers for this year's local section meeting on-line using the registration form found at the following URL:

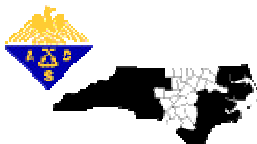
<http://membership.acs.org/N/Ncarolina/>

If on-line submission is not possible, please fill out the form on the left-hand side of this notice

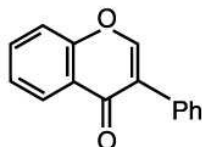


and mail, e-mail, or fax the information to:

Dr. Alan Tonelli
North Carolina State University
3146 College of Textiles, Box 8301
Raleigh, NC 27695
(919) 515-6588 (V)
(919) 515-6532 (F)
alan_tonelli@ncsu.edu



Molecule of the Month



Isoflavone is a plant estrogen, found chiefly in soy. It has been studied as a means of slowing or reversing symptoms of osteoporosis and alleviating the effects of menopause, but the evidence is ambiguous, indicating no significant effect, and there is a potential for this compound to cause harm.



LOCAL SECTION LAUNCHING ONLINE SEMINAR CALENDAR

As a service to the local scientific community, the North Carolina Section is launching a seminar calendar on its webpage (<http://membership.acs.org/N/NCarolina/index.html>).

We will post academic, government, and industrial seminar information as a means of helping to disseminate scientific information to the over 2,500 local area ACS members. Seminar hosts and their employers are encouraged to provide title, speaker, location, and date/time information to the NCACS webmaster, or provide a link to your organization's seminar webpage.

The NCACS webmaster can be reached by sending an e-mail to:

NCACSwebmaster@gmail.com.



EVENT PLANNED FOR SENIOR CHEMISTS IN ATLANTA

If you are a retired chemist and plan to be in Atlanta, GA for the March 26-31, 2006 ACS National Meeting, be sure to attend the Silver Circle & Retiree Breakfast on Tuesday, March 28, at the Marriott Marquis Hotel, Salon 1.

The event is 7:30-9:00 a.m. and tickets can be purchased at registration. Program details will be announced in the Meeting Program.

Ticket price is \$10.



Online
Seminar
Calendar

Call for
Papers—
120th
NCACS
Local
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The TarHelium Volume 36: Number 3

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D. Coleman (BPCTI), Past Chair '04	306-2239	dscolem@bellsouth.net
J. A. Myers (NCCU), Past Chair '03	530-6461	jmyers@upo.ncsu.edu
S.C.J. Sumner (RTI), Past chair, '02	541-7479	ssumner@rti.org
M. M. Bursey (UNC), Ex Officio	493-3025	mauricebursey@aol.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
K. A. Cutler (NCCU), Project Seed Ex Officio	530-7004	kcutter@wpo.ncsu.edu
E. L. Eliel (UNC), Ex Officio	962-6198	eliel@email.unc.edu
K. Dawes (NCSU), PDG, Ex Officio	469-2500	dorian_canelas@lord.com
S. Klose (Varian), TCDG, Ex Officio		steveklose@varianinc.com
T. M. O'Connell (GSK), TMRDG, Ex Officio	483-1535	tmo89509@gsk.com
B. N. Chaney (BD), Scholarship Chair	597-6336	bryce_chaney@bd.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.

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.