



The TarHelium

Volume 3, Number 5

September, 2000

SEPTEMBER

State of the Section

- **Project Seed**, which places economically dis-advantaged high school students in the lab. This program is supported by \$125,000 in external grants and is the largest such program in the country.
- **TarHelium** which beginning with this issue is attempting to expand its content by using a professional editor to help with the preparation.
- **Local Section Conference**, which has run continuously for over 100 years.
- **Undergraduate Scholarships**
- **Chemistry Olympiad**
- **National Chemistry Week**, November 5-11
- **2004 Southeastern Regional ACS** meeting hosted by the Section
- **NC Distinguished Speaker Award**
- **Hobbs Service Award**
- **Technical programs** run by the following discussion groups: Triangle Area Mass Spectrometry Discussion Group (TAMSDG), Polymer Discussion Group (PDG), Triangle Chromatography Discussion Group (TCDG), Triangle Magnetic Resonance Discussion Group (TMRDG), Triangle Molecular Modeling Discussion Group (TMMDG) and Younger Chemists Committee (YCC). New discussion groups are being considered for high school chemistry teachers and for chemical toxicologists.

TOP HONORS



Melanie Anne Pribisko Awarded the NC-ACS Undergraduate Scholarship

The NC Section ACS Scholarship Committee is happy to announce the winner of the 2000 Undergraduate Scholarship. Melanie Anne Pribisko from the University of North Carolina at Chapel Hill was awarded \$1000. In her application, Melanie has indicated that, besides paying for things she may need in the laboratory, she plans to use some of this money to attend a national ACS meeting. Congratulations Melanie!

The NC Local Section ACS Undergraduate Scholarship is intended to support undergraduate students at colleges and universities within the NC-ACS Section majoring in chemistry who will be actively conducting undergraduate research. The scholarship is awarded to benefit the supplemental needs of the student and becomes available as early as the summer of the year the scholarship is awarded and expires at the end of the spring semester of the following year.

Submitted by:
Andrea Liebmann-Vinson
Becton Dickinson Technologies

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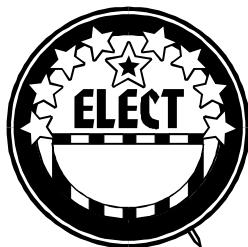
ADVERTISING

All four issues of the TarHelium will accept 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. Contact the editor.

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

Call for Nominations

The nominating committee is looking for candidates for Local Section Officers to run in the fall elections. The positions that are open are:



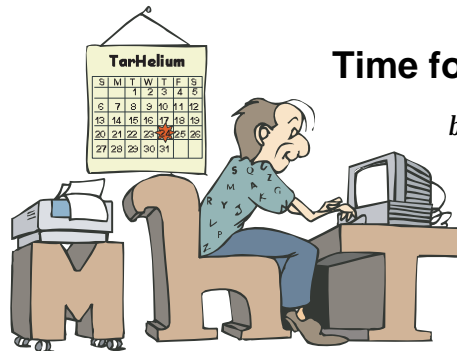
- Chair Elect
- Treasurer
- Councilor (2)
- Alternate Councilor (2)

Job descriptions can be found at:
http://membership.acs.org/N/NCarolina/job_manual.html

If you are willing to run, or know of someone who may be willing to run, please contact, Bill Switzer, Chair Nominating Committee (919) 515-2945 or bill_switzer@ncsu.edu.

Now is an exciting time to be involved in the Local Section. We have the largest Project SEED program in the country with over \$120,000 in external funding, we are scheduled to host the 2004 Southeastern Regional ACS meeting, and we are returning to exhibiting at the NC State Fair this fall. We are also making major improvements in the TarHelium and continuing a strong National Chemistry Week program. We have a strong technical program offered through in 5 active discussion groups and we are organizing two additional groups in Chemical Toxicology and Education/High School Chemistry Teaching. Please consider becoming involved either by running for local section office or volunteering for one or more of the above activities.

Submitted by:
Bill Switzer
 NCSU, Chemistry Department



Time for a Change

by James Knopp

For the past five years, I have been serving as the editor for the Tar Helium. When I took over this responsibility from Bill Switzer, I was excited and enthusiastic about the challenges. I also really enjoyed working a variety of people who are members of the executive committee. In doing so, I became one of the "regulars" on the committee. My goal in this was to publish a factual and prompt series of newsletters. As it turned out, the Tar Helium required a lot of work behind the scenes.

During this period, our section has grown. The newsletter mailing list now has about 2500 names. Furthermore, the techniques for publishing and editing have changed. My professional arena has changed as well. It is now the time to hand the Tar Helium responsibilities over to Brad Sturgeon and Judi Price. This current issue is an example of their energies and visions. I wish them well.

I challenge each and every one of you to step forward and assume some responsibility within the section or a discussion group. It is a great way to meet other scientists. It is also the way in which our section grows.

Peer Mentoring Workshops

Peer Mentoring workshops will be held this year on October 13 - 15 and November 10 - 12 at the Doubletree Park Terrace Hotel, Washington, D.C. The workshops start at noon on Friday (EST) and end at noon on Sunday. The ACS will cover all expenses for this workshop (including airfare, room, and board).

The North Carolina Section currently does not have a peer mentoring program. If you are interested in attending one of the meetings above, which will provide you with information on how to set up or participate in such a program, please contact Brad Sturgeon at sturgeon@NCSSM.edu

The peer mentoring program is meant to encourage participation of young scientists, underrepresented minorities, and/or women in the chemical sciences.

WELCOME

Valerie Ampsacher
Miles Frederick Anderson
Derick Peter Bain
Rachel V. Baxter
Nickey L. Bell
Natalie Bernstein
Carlton Blakley
Jean Baptiste E. Blanc
Dawn I. Braithwaite
Lynn Bullard
Matthew D. Burke
Steven C. Cardon
Dr. Tianrong Cheng
Michael P. Clunie
Dr. James D. Colandene
Dr. Carol A. Cooper
William Cotter
Krisstina S. Danek Burgess
Tongyun Dang
Joseph De Gaetano
Dr. Ray Alexander Dickie
Susan Fundy Donaldson
Jaclynn Drummond
Matthew O. Duffey
Thomas A. Dunder
Hal Ekberg
Jean Ellis
Brandon J. Fetterolf
Shaun F. Filocamo
Russ N. Fitzgerald
Devin Flowers
Ernesto Jorge Fuentes
Masahiro Furuya
Richard E. Gammans
Michael S. Gardner
Howard David Glicksman
Stephen J. Goettler
Stephanie L. Harrelson
Aaron M. Hartel
Cindy D. Hauser
James J. Heinis
William Joel Hoekstra
Rebecca C. Holmberg
Jon H. Huber
Dr. John C. Hutchison
Dr. Matthew Isherwood
Dr. David Jan
Jason Jenkins
Ivan T. Jewett
Chikoma Kazunga
June C. Kearney
Robert C. Kent
Dr. Raja G. Khalifah
James Kimani
Dr. John A. Lamerdin
John Lee Lemanowicz
Anthony M. Leone
Arnaud Letiran
Yi Li
Jie Li
Charles Liu
Bing Liu
Robert S. Loewe
David Ross Lorenz
Joseph J. Lundquist
Ian C. Macgregor
Stephanie M. Marxer

Dr. William J. McMichael
Cynthia Mertdogan
Steven P. Miller
Jennifer L. Mitchell
Dr. Guoning Mo
Allan Ray Moorman
Meredith T. Morgan
Leslie D. Morton
Dr. Michael S. Morton
Christopher P. Mussari
Brian J. Nablo
Latha G. Nair
Dr. Nidhi Nath
Yidong Ni
Zhe Nie
Mitsufumi Nodono
Jason M. Nolan
Cynthia M. Norris
Adam J. Novak
Andrew N. Nyabwari
Dr. David Ownby
Sophia Papadeas
David Eugene Pereira
Angilique C. Perkins
Amy M. Peterson
Adam C. Phillips
Dr. Dharma Poliseti
Jaya Prabhakaran
Monica E. Puskas
William C. Ray
Duane M. Ready
Monica L. Reid
Channing Richards
Matthew Paul Robben
Dr. John P. Rock
Michael P. Rouse
Joseph A. Ryan
Dr. Allen C. Rychtman
Shubha Sangal
Kathryn Sedgwick
Dr. Allen R. Slaughter Jr
Stephon C. Smith
Rebecca Sparks
P Matthew Spiecker
Dr. Akur Srinivasan
Jeanne L. Stallings
Robert S. Steele Jr
Dan John Steffek
Timothy Swanson
Masayuki Takahashi
Robert C. Tenent
Chris Terry
Jill E. Thomas
Timothy Thompson
Barbara Jill Trafton
Chris Walker
Gwendolyn Wall
Sihe Wang
Scott Kevin Weit
Mark P Wilbur
Kim Wilcenski
David Wilcox
Dr. Antony John Williams
Joseph I. Wirtgau
Dr. Ephraim Woods III
Dr. Edwin Shenchou Wu
Dr. Lan Xie
Zenghong Zhang
Sarah S. Zhang
Dr. Zhiyang Zhao

Deadline for ACS Minigrant 2000 Program - October 31, 2000

ACS funding is available for creative, innovative membership activities that go "above and beyond." This is an excellent opportunity for divisions and local sections to receive a grant of up to \$2,000 to help you try a new event or activity, or put a fresh spin on something that worked well in the past. Membership remains our #1 challenge, and the ACS Minigrant 2000 Program can help!

You can submit your most exceptional retention, recruitment, or recognition idea. It's easier than ever to take advantage of these available funds. In fact, four divisions and two local sections have been awarded over \$5,000 in membership minigrants so far this year. Be sure to submit your proposal to Brad Sturgeon at sturgeon@NCSSM.edu

Helpful Tips for Your Proposal

Consider these useful guidelines when developing your proposal:

1. Push the envelope, be as creative and innovative as you can
2. Propose activities that target your at-risk members (industrial members, under age 35, members 5 years or less, BS or MS degree, etc.)
3. Submit ideas that are cost effective
4. Anticipate results and define how you will measure results
5. Present a budget and identify other sources of funding



New Assistant Editor

With this issue of the TarHelium, we would like to introduce our new assistant editor, Judi Price. Judi is a native to North Carolina who recently retired from the Research Triangle Institute after 23 years. She now lives on the North Carolina coast with her husband Norman. They have 5 children and 7 grandchildren. When she is not busy editing the next issue of the TarHelium, she enjoys fishing, boating, sewing, painting, and working on stained glass projects. Please feel free to contact Judi by e-mail (icwcat@clis.com) or telephone (252) 728-2083 for any announcements that you would like included in the TarHelium.

Just a Thought ...

To reach the port of success we must sail, sometimes with the wind and sometimes against it

but we must sail, not drift or lie at anchor.

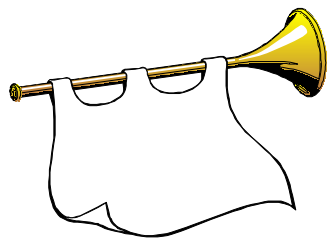
--Oliver Wendell Holmes (1809-1894)

The 2000 ACS Membership Certificate Free to All Members

Let the world know that you belong to the premier society for chemists, chemical engineers, and allied professionals. Order your 2000 ACS Membership Certificate today!

Each personalized certificate is signed by the President and Executive Director of ACS, and is suitable for framing and display in your office, laboratory, or at home. To request yours online, go to

www.acs.org/membership/certificate.html



Congratulations, National Science Foundation

Celebrating 50 Years
of Support for
Chemical Research
and Education at

the Washington, DC National Meeting. "Penicillin, the proximity fuze [sic], the atom bomb, among a host of other scientific contributions to American victory in the Second World War, brought home to many citizens the value of scientific research. In the continuing crisis after the war, there were few who opposed the proposition that sustained Federal support of science and research was essential to the defense and welfare of the United States."

"By the National Science Foundation Act of 1950 the Congress established the National Science Foundation to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense; and for other purposes." The President approved the act on May 10, 1950.

-- Excerpt from *The First Annual Report of the National Science Foundation, 1950-51*

The 50th anniversary of the National Science Foundation (NSF) provides a unique opportunity to express the profound appreciation of the entire science community for the Foundation's uniquely beneficial contributions to our nation. NSF can be credited with expanding scientific knowledge and laying the groundwork for some important technologies: MRI, Doppler radar, and the Internet, just to name a few. The Foundation also provides crucial support for training the next generation of scientists and engineers and for science education programs that enhance the lives of every American. The American Chemical Society's Board of Directors voted to present a special award in recognition of NSF's 50 years of support for chemistry and the sciences during a reception that President Daryle Busch hosted at the Washington, DC, National Meeting. Chemistry has had a significant presence at NSF since the agency was created, growing from a program in the

Division of Mathematical & Physical Sciences to the Division of Chemistry within the newly created Directorate for Math and Physical Sciences in 1975. Today, the division provides about \$140 million each year for research and education in the chemical sciences through about 800 active awards. Chemical engineering also has been an important component of NSF. Engineering began as a small division at NSF in 1964, and became its own directorate 15 years later. The Chemical and Transport Systems Division funds research for industrial manufacturing processes and some natural processes, such as those in water and in the atmosphere.

Chemists have also played an important role in shaping the agency. One of the first heads of the chemistry program at NSF, Walter Kirner, helped the agency adopt the flexible grant proposal and peer review procedures that have helped ensure that high quality science is supported.

NC State Fair and NC-ACS



We will be running a booth in the Cyberspace Exhibit tent as we did in 1996-7. We will need a

lot of volunteers to make this a successful project. All members of the local section are encouraged to participate. Volunteers will get free admission and parking (right beside the fairgrounds in a special lot for exhibitors). Volunteers will be given a Polo-type State Fair shirt as well. Two volunteers will be working at a time.

1. One will man the computers (which are equipped with a T1-internet line) in an effort to highlight the role of Cyberspace and the chemistry profession; and
2. One to assist with the chemical demonstrations (dry ice, pH, robots, etc). We will need about 50 volunteers over the 10 day period. Anyone that can help with this important event, please contact

Darrell Coleman (dscoleman@lilly.com, 314-4352)

or

Dr. Bill Switzer (bill_switzer@ncsu.edu, 515-2945)

We will also have more details and the sign up on the web via the Section(NC-ACS) homepage.

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

submitted by
Darrell Coleman

Call for Nominations - Marcus E. Hobbs Award

All members of the Local Section are invited to submit nominees for the Marcus E. Hobbs Award. It recognizes distinguished service to the North Carolina Local Section.

The selection committee is being chaired by Thomas Lehman, who can be reached at:

talehman@intrex.net
966-9918 (office phone)
933-8932 (evenings at home)
1824 South Lakeshore Drive
Chapel Hill, NC 27514

Nomination information should include a paragraph stating why the nominee is deserving. This paragraph will be the foundation for a citation to be read at the Spring Local Section Conference in April 2001.

Former recipients are:

- 1999 John W. Hines - Research Triangle Institute
- 1997 Suzanne T. Purrington - Department of Chemistry, North Carolina State University
- 1996 Ernest L. Eliel - Department of Chemistry, The University of North Carolina, Chapel Hill
- 1995 James L. Chao - IBM Corporation
- 1994 Joan T. Bursey - Radian Corporation
- 1993 William E. Hatfield - Department of Chemistry, The University of North Carolina, Chapel Hill
- 1991 Eric C. Bigham - Burroughs Wellcome Company
Peter Smith - Department of Chemistry, Duke University
- 1989 William L. Switzer - Department of Chemistry, North Carolina State University
Halbert H. Carmichael - Department of Chemistry, North Carolina State University
William F. Gutknecht - Research Triangle Institute
- 1988 Maurice M. Bursey - Department of Chemistry, The University of North Carolina, Chapel Hill
Robert G. Ghirardelli - Army Research Office
Marcus E. Hobbs - Department of Chemistry, Duke University

William F. Little - Department of Chemistry, The University of North Carolina, Chapel Hill
Monica R. Nees - Research Triangle Institute

Submitted by:
Thomas Lehman

Call for Nominations for the NC Distinguished Lectureship

The North Carolina Section of the American Chemical Society announces a call for nominations for the NC Distinguished Lectureship for 2001. The award is to recognize distinguished contributions to the chemical sciences while in the territory of the North Carolina Section. The lecture will be given at the April 2001 Local Section Conference. We have had NC Distinguished Lectures for over 16 years; previous lecturers can be found on the Section web page.

Nominations should contain the following information: (1) a letter (1-2 pages) giving the name, title, and affiliation of the nominee and a somewhat detailed explanation as to why he or she should be considered for the Distinguished Lectureship; (2) a brief curriculum vitae (not more than 2 pages); and (3) a list of 12 of the nominee's most important publications.

Any ACS member in the territory of the NC Section is eligible. Also eligible are ACS members who, while no longer live in the area of the Section, have made the contributions for which they are to be recognized while in the Section's territory.

Nominations should be mailed to **Dr. F. Ivy Carroll**, Chemistry and Life Sciences, Research Triangle Institute, PO Box 12194 or 3040 Cornwallis Road, Research Triangle Park, NC 27709. Nominations by e-mail cannot be accepted because of the need for additional documentation. The deadline for mailing or faxing (919- 541-8868) nominations is January 15, 2001.

No more than two seconding letters may be submitted with the nomination.

Just a thought.....

*I do not object to people looking at their watches when I am speaking.
But I strongly object when they start shaking them to make certain that they are still going.*

--Lord Birkett (1883-1962)



NC Section Awarded SERM 2004

The NC Section has been awarded the bid for hosting the 2004 Southeastern Regional Meeting (SERM). Although it will be a couple of years before planning becomes really intense, the NC-ACS Executive Committee is actively looking for people who are interested in working on this committee. Bill Switzer has agreed to work in a key position with the meeting, but will not serve as General Chair. The most urgent position to identify is General Chair and to identify the meeting site. Based on our experience from the 1984 and 1998 meetings, an approximate job description of the positions needed can be found at:

http://membership.acs.org/N/NCarolina/serm_job_descriptions.html

One major difference between the organization of SERM 2004 and SERM 1998 is that National ACS staff will now handle much of the work in putting together the technical program booklet and in coordinating registration. Please give this your full consideration. There are many opportunities for personal and professional benefit. Please contact ACS Local Section Chair: Brad Sturgeon (sturgeon@ncssm.edu) to express an interest.

National Chemistry Week

Events Schedule for 2000-"Kitchen Chemistry" - (Tentative Ideas- depends upon availability of groups and volunteers)

- | | |
|-----------------------|--|
| Sept. - Oct. | Poster contest in Wake County Schools- "Chemistry in the Kitchen - Here's How it Happens!" |
| Nov. 5 th | Kickoff Sunday at the Durham Museum of Life and Science. 1-4 pm. Displays of outstanding student posters, hands-on experiments, Magic Show UNC Chemistry Fraternity. |
| Nov. 8 th | Chemistry Night at the Library - Small group at the Eva Perry Library to interact with patrons on Chemistry in the Kitchen ideas. |
| Nov. 11 th | Closing Program at location in Raleigh - Program similar to Kickoff. Magic Show by NCSU affiliates. |

Above is a tentative plan for celebrating National Chemistry Week this year. I am working on details of these programs, but need coordinators for the various sites, a publicity person and volunteers for the days of the events. I also need to train a chair person for NCW 2001! Please contact me if you are interested in being involved.

Ideas-creative, innovative, wacky and crazy are all welcome. We always have a great time promoting our profession to the public.

Submitted by:
Camille Solbrig
319-7765 camsol@aol.com

MOVING?



Are you getting the TarHelium and other ACS publications late? Have some items you normally expect not arriving at all? It could be the ACS, and therefore our North Carolina Section does not have the latest information about you.

ACS updates the rosters sent to local sections on a quarterly basis. It is from this roster listing that the section sends information to all of its members. Each time there is a mailing, several pieces are returned to the section (at a fee) due to an incorrect or obsolete address.

It's easy to keep the address record up to date. Just log onto www.acs.org and update your records on line. Once done, your section information won't be arriving late!

Seminar Announcements

Materials Science and Engineering
NC State University - <http://www.mse.ncsu.edu>

All seminars are held at 3:00 pm in the EGRC Auditorium, Centennial Campus unless otherwise noted. Visitor Parking passes available 515-3568. Contact Beth McLean at esmclean@unity.ncsu.edu to get on an e-mail mailing list for seminar notices.

Submitted by:
Michelle Kellogg



NC-ACS Discussion Groups



NC-ACS Discussion Groups

Triangle Area Mass Spectrometry Discussion Group (TAMSDG)
 Polymer Discussion Group (PDG)
 Triangle Chromatography Discussion Group (TCDG)
 Triangle Magnetic Resonance Discussion Group (TMRDG)
 Younger Chemists Committee (YCC)
 Chemical Education/High School Chemistry Teachers Discussion Group (ChemEd)

ACS Polymer Discussion Group

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 to meet other local polymer scientists in industry and academia. 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. For more information, to make dinner reservations, or to be added to the email list, contact Marlene Hontz (469-2500 ext. 2127, email: marlene.hontz@lord.com).

2000-2001 Meeting Schedule

Sept 14	John Reynolds (University of Florida) "Variable Band Gap Conjugated Polymers: Electroluminescent, Electrochromic, and Bio-Active Materials"
Oct 12	Kenneth C. Caster (Lord Corporation) "Surface Applications of ROMP Polymers"
Nov 9	Harald Ade (North Carolina State University)
Dec 14	Yves Deslandes (CNRC) "Advances in ToF-SIMS and XPS"
Jan 11	Ted Provder - "Advances in Gel Permeation Chromatography"
Feb 8	Mitch Winnick
Mar 8	Jeff Gilman
Apr 12	Michael Cunningham

May 10 Richard Gilbert Graduate Student Symposium



Prof. John Reynolds of the University of Florida will be speaking at the September 14, 2000 meeting of the ACS Polymer Discussion Group.

Triangle Area Mass Spectrometry Discussion Group

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. Previous invited speakers have been from the areas of pharmaceutical, biotechnology, environmental, theoretical, and forensic sciences. The group also holds an annual poster and vendor night in the fall, where members are encouraged to present exciting aspects of their work and our sponsors are given the opportunity to show their latest products.

All correspondence is through the TAMS e-mail distribution list and the TAMS website at <http://membership.acs.org/N/NCarolina/tamsdg/tams1.htm>. Our website lists up-coming events, highlights from last year's poster and vendor night, and a job posting section. Membership in the group is free and anyone can join by sending an e-mail to Daniel Morgan at dm19700@glaxowellcome.com.

Chemical Education/High School Teachers Discussion Group (ChemEd)

One of the newest discussion groups formed within the NC Section is the Chemical Education/High School Teachers Discussion Group. It is our hope that this discussion group involves not only educators at all levels but chemistry professionals from all areas of science. One common problem among high school chemistry educators is the lack of equipment. It is a major goal of this discussion group is to facilitate exchange of scientific equipment (see below).

This discussion group will prove a forum for local Section chemical educators. An initial organizational breakfast meeting was held in April at the local section conference at NC Central University. It was decided that this discussion group should meet once each semester. With the new NC Chemistry Standard Course of Study we have much to discuss. We hope to have some of the sessions broadcasted via the Distance Learning network to save traveling time. Listed below are a number of activities currently under construction. If you are interested in becoming involved in any of the following projects please contact Dr. Myra Halpin at the NC School of Science and Math (halpin@ncssm.edu).

- 1) NC Chemistry Educators Listserv: This list will disseminate information relevant to chemistry/science educators at all education levels. If you wish to be included on the listserv please forward your email address to Dr. Halpin.
- 2) National ACS sponsored Chemistry Olympiad Competition. The NC-ACS Section administers this exam for high school students. Information will be mailed out in October, although we are not satisfied with the correctness/effectiveness of our current mailing addresses. If you know of any chemistry/science high school teacher who did not receive information last year please forward their address to Dr. Halpin. As a reminder the 1999 International Gold metal winner was from the NC Section.
- 3) Materials and Equipment Needed for High Schools. We have a high school chemistry site for teachers at <http://www.ncssm.edu/chemistry/projects/curriculum.html>. This site currently contains the materials being developed to support the new NC Standard Course of Study in Chemistry. During this next year this site will expand to include labs, demonstrations, and video clips teachers may use with students. We would like to utilize the listserv and/or web posting of material/equipment needs and a list of material/equipment available, but we need your help. Do you have surplus material/equipment? Do you have contacts who do know about available equipment? How can we best facilitate getting materials from you to the teachers. If you have materials or equipment please email Dr.Halpin.

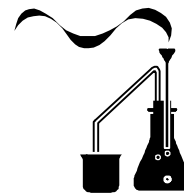
As an example, NCSSM Research in Chemistry class is in need of a small vacuum oven and a small kiln. Also there is always a need by any school for:

- 50 to 1000 mL beakers
- 125 or 250 mL Erlenmeyer flasks
- Top loading balances

Triangle Chromatography Discussion Group (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 usually held in May of each year. This coming year will be the 18th year this symposium and instrument exhibit has been held. For more information regarding this discussion group please visit the NC-ACS website or directly at <http://rtpnet.org/~tcdg/index.html>.

Younger Chemist Committee (YCC)

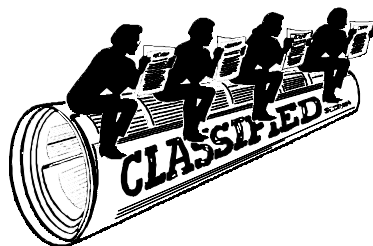


The YCC was developed to encourage greater participation in the ACS in the Local Section by its younger members. The YCC's primary goal is to make the ACS more accessible and relevant to the younger chemist. The programs are designed to provide informative lectures and discussions relevant to YCC members. At this time, we plan to have a meeting at least once a quarter. Our group will be involved with National Chemistry Week and the NC State Fair as well as other projects that promote Chemistry in the Section. This year the NC-YCC was nominated for a National ACS Award. Elections will be held soon, please consider running for a position in the NC-YCC. More information about the YCC can be found on the NC-ACS website. The next meeting will be at BASF Corporation on Sept 13th at 6:00 pm. Pizza and beverages will be provided. Please RSVP to Kath Sturgeon 547-2106 by Sept. 6, 2000.

The guest speaker **Jean Parr**, head of ACS Department of Career Services, will speak on: **Employment Outlook, Marketability and Job Security**. Socialize (network) with fellow chemist. There will be a short YCC meeting after the talk. While the YCC is a group organized to meet the special needs of chemists <35 years of age - we welcome all chemists to this meeting who would like to learn more on the topic of Employment Trends and Marketability.

Directions: BASF Corporation is on 26 Davis Drive (on the corner of Hwy 54 and Davis Drive) in Research Triangle Park, NC

(Continued on Page 11)



JOB VACANCIES AND ADVERTISING

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 jobs 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@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. 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.

Research Assistant - Biomaterials

This position, reporting to the Biomaterial and Bioscience Team leader, will apply chemical, biological and surface science principles to support development of biomaterials for medical devices. Knowledge of organic chemistry, skills in surface analysis techniques (contact angle, ellipsometry) and experience in basic cell culture is preferred.

Requires a minimum of B.S. degree in chemistry with a minimum of 4 years experience in polymer science. It is preferred that at least one year of experience be related to the biological sciences.

Contact Information:
John T. Dowd, Becton Dickinson and Company
Fax: 919-549-7572

Assistant Scientist / Senior Assistant Scientist

Paradigm's Biochemistry Department is looking for a Sr. Assistant or Assistant Scientist to join the team. The new member will be an LC-MS operator, implement LC/MS procedures, operate and maintain instrumentation, analyze samples and process/track data, and will assist with sample preparation. A BS/MS in Analytical Chemistry/BioChemistry or a related field is required. Experience with LC/MS and GC/MS instrumentation is preferable but not required. *Job# 40115 - Paradigm (<http://www.paradigmgenetics.com/>)*



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Sr. Associate Scientist - Biochemical Profiling Data Analysis

This position will be responsible for the analysis of raw mass spectrometry data and subsequent transfer of reduced data to the Function Finder bioinformatics system. Interactions will involve laboratory personnel, informatics and bioinformatics system. Interactions will involve laboratory personnel, informatics and bioinformatics. Candidate must possess excellent skills in LIMs, instrumentation specific software, data processing software, data archive, and GUI datamining programs. Experience in the processing and interpretation of mass spectrometry data is required.

Specific requirements: 5-7 years laboratory experience Mass Spectrometry (LC/MS, GC/MS) operation and data interpretation. Data analysis experience involving combinatorial chemistry and natural products compounds. Experience in datamining and biostatistical evaluation of mass spectrometry data LIMs operation and management.

Contact Information:

Slade Chandler (<mailto:schandler@paragen.com>) and check the web site at <http://www.paragen.com>.

Quality Control Coordinator

Cirrus Pharmaceuticals, a growing contract R&D firm involved in drug formulation, is seeking a Quality Assurance Coordinator. Responsibilities include cGMP auditing, document control, and batch record review. Minimum requirements are a Bachelors Degree in a scientific field with 3+ years of QA experience in the pharmaceutical industry. Regulatory Affairs knowledge is advantageous. Responsibilities also include lab work in support of formulation studies.

Contact Information:

Jay Holt, Ph.D., Cirrus Pharmaceuticals, P.O. Box 14748, Research Triangle Park, NC 27709
(Fax: 919-884-2075; e-mail: jholt@CirrusPharm.com;
web page: www.CirrusPharm.com).

Research Analyst - Mass Spectrometer Laboratory - NCSU
12-month, permanent appointment

LOCATION: Department of Soil Science, NC State University, Raleigh, NC. Dr. John Havlin (Head), 919-515-2655

RESPONSIBILITIES: The analyst will be responsible for daily supervision and maintenance of the isotope ratio mass spectrometer, two elemental analyzers, and related instrumentation. Position is responsible for scheduling and instruction of multiple users in the operation of the mass spectrometer and associated equipment. Position also responsible for sample preparation, analysis, data reduction, and quality control. Analyst will coordinate and conduct analyses requested by multiple project leaders on a variety of

Sample matrices, and assist with graduate and honors undergraduate instruction in isotope ratio mass spectrometry (5-week intensive short course). Position provides research support for project leader in charge of mass spectrometer (review scientific literature, methods development, field sample collection, sample processing, data analysis, and report writing).

QUALIFICATIONS: MS degree in analytical chemistry, biochemistry, bio-geochemistry, or related area is preferred. Experience in isotope mass spectrometry, chemical analysis, and analytical method development is essential. Teaching experience and demonstrated organizational and budgetary skills in operation of analytical service center is preferred. Must also be willing to travel for training in use of spectrometer and associated equipment. Minimum requirements include a BS degree in analytical chemistry, microbiology, biochemistry or biology. Course work in chemistry, physics, bio-geochemistry, biology, and computer science. Excellent interpersonal and communication skills are required. Alternative is multiple-year experience as laboratory research technician with extensive application of analytical, written, verbal, and leadership skills.

POSITION AVAILABLE: September 1, 2000

APPLICATION PROCEDURE: Applications must be received in the Human Resources Department. Online applications and policies can be found at www.ncsu.edu. Please contact: Human Resources Department, North Carolina State University Campus Box 7210, Raleigh, NC 27695
(919) 515-2135; (919) 515-7543 (fax)

Chemist I Positions - SBI Labs

There are 7 Chemist I vacancies at the SBI labs; 6 in the Raleigh area and 1 in the Ashville area. Go to:

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

Click on: View Current Vacancies

Click on: Chemist I

for details. There are multiple positions described at this one link.

Other Employment Web Links

Local Universities

North Carolina State University:

<http://www2.acs.ncsu.edu/hr/>

University of North Carolina:

<http://www.ais.unc.edu/hr/jobs/>

Duke University:

<http://www.hr.duke.edu/choose.html>

Wake Forest:

[http://www.wfu.edu/Administrative-offices/
Human-Resources/](http://www.wfu.edu/Administrative-offices/Human-Resources/)

Research Triangle Foundation:

<http://www.rtp.org/owners/otindustry.html>

Local Businesses

American Association of Textile Chemists and Colorists:

[http://www.aatcc.org/magazine/departments/classified/
opportunities.htm](http://www.aatcc.org/magazine/departments/classified/opportunities.htm)

Aventis:

<http://www2.aventis.com/jobs/jobs.htm>

Biogen:

<http://www.biogen.com/career/career.index.html>

Covance:

<http://www.covance.com/career/career.html>

Environmental Protection Agency:

<http://www.epa.gov/epahrist/index.htm>

Glaxo Wellcome:

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

National Institute of Environmental and Health Sciences:

<http://www.niehs.nih.gov/vacancy/vacancy.htm>

Novartis:

http://www.info.novartis.com/hr/contact/main_new.html

Research Triangle Institute:

<http://www.rti.org/jobs/>

Reichhold:

<http://www.reichhold.com/Careers.cfm>

Sphinx Pharmaceuticals:

<http://www.sphinxpharm.com/career.html>



Congratulations Mr. Kenneth Cutler!

Project SEED Coordinator Mr. Kenneth Cutler has been presented with the Presidential Award for Excellence in Mathematics and Science Teaching. A half page story about Mr.

Cutler was recently printed in the August 21 Durham Herald-Sun. Mr. Cutler of Hillside High School is truly an asset to the Durham Public School system as well as to our Section's Project SEED program. Mr. Cutler is assisted with the Project SEED program by Ms. Debroah Melvin, Ms. Josie Cutler, Mr. John Green, and Ms. Gwendolyn Bass. This year Project SEED, in conjunction with Research in Engineering Apprenticeship Program (REAP), had 27 students working this summer in research facilities throughout the Triangle Area. The entire group recently returned from the National ACS meeting in Washington,

DC. Please join me in congratulating Mr. Cutler on his hard work and tremendous commitment to bettering the education system. (cutler@concentric.net). Below is a comment from Mr. Kenneth Gibbs a senior at the NC School of Science and Mathematics. Mr Gibbs is one of the many student Mr. Cutler has provided opportunity for through his hard work.

"This summer I was able to participate in the Research in Engineering Apprenticeship Program (REAP), which, in conjunction with Project SEED allows young people like myself, explore our interest in a career in laboratory research before leaving high school. This summer, I worked at Duke University, under the supervision of Dr. Eric J. Toone, completing the project Directed Evolution of Galectin-3: A Comparison of the Binding Properties of Full Length and d90 G-3. My work this summer afforded me the opportunity to participate in the ACS SCIMIX in Washington, D.C. in which I was able to present my summer's work at a poster session. This was an incredible experience for me. I was surprised that scientists from many diverse fields were actually interested in my research, and they were equally surprised at the caliber of my research considering I'm still in high school. Moreover, many of the people with who I spoke were interested in helping me further my experiences in research! My experience this summer has been a valuable one that I will not soon forget."

(Continued from Page 8)

YCC (continued) - To join the mailing list, e-mail Darrell Coleman at dscoleman@lilly.com or visit the YCC homepage at

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

*Submitted by:
Darrell Coleman*

Triangle Magnetic Resonance Discussion Group (TriMR)

It is the goal of the TriMR is to promote interactions and foster a stimulating and collaborative environment for the local NMR community. This group is interested in all areas of magnetic resonance working within the North Carolina ACS Section. This group also maintains a website and email distribution list to keep interested scientists informed of upcoming TriMR events as well as local seminars. For more information regarding this discussion group please visit our the NC-ACS website or directly at: <http://membership.acs.org/N/NCarolina/tmrdg/>.

The TarHelium 30:5

Bradley E. Sturgeon, Editor
c/o James A. Knopp, Dept. of Biochemistry-7622
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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 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: 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.
