

THE

TarHelium



A Publication of the North Carolina Section of the American Chemical Society

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May 1988

SPECIAL ISSUE REPORT ON THE 1988 LONG RANGE PLANNING RETREAT

The North Carolina Section of the American Chemical Society held a long range planning retreat in February 1988 to assess the future of the Section. Ann Wilson, a member of the national ACS committee on local section activities, led the retreat. She submitted the following report to the Executive Committee recently.

Chairman Bill Hatfield opened the 1988 North Carolina Section planning retreat by challenging participants to conclude the session with one or two specific program areas identified and action plans outlined for the Section to develop during the next one to three years. These program areas could be new to the Section or an expansion of existing program areas.

Using a brainstorming/prioritizing technique called storyboarding, the planning retreat participants identified program areas to address during the day: Section meetings, awards, *The TarHelium*, and science education in the primary and secondary schools. Three breakout groups were formed to further explore these areas and outline an action plan to be passed on to an ad-hoc planning committee to be formed by the executive committee. Each breakout group was also charged to develop a list of possible members for each planning committee. The conclusions of each group are given below.

AWARDS—Five new award areas were proposed:

- (1) A Section service award to acknowledge outstanding work by Section members on behalf of the Section. The group suggested that this award could be implemented this year.
- (2) A national award sponsored by the North Carolina Section for recognition of contributions in some unidentified area of chemistry. Several local sections within the ACS currently sponsor this type of award, and it would give the N.C. Section national visibility. One suggestion was that the award winner give a plenary lecture at the Meeting-In-Miniature, but there was some concern that because the scope of the Meeting-In-Miniature is directed toward junior scientists a lecture of this sort would be inappropriate.

- (3) Because the current Scholarship Award is taxable and there is no accountability for expenses, the group suggested that a travel award be considered. The award would provide funds for Ph.D. students to attend national meetings and for M.S. and undergraduate students to attend regional meetings.
- (4) An award for excellence in reporting chemistry topics by the North Carolina press, possibly with the judges coming from the news media.
- (5) An outstanding chemistry student award to be presented at the high school award day at fifty local high schools. The award would consist of a plaque and a CRC book.

SECTION MEETINGS AND *The TarHelium*—The breakout group reaffirmed the importance of the monthly meetings noting that they were both a social and a technical function and that the meetings provided a focus for the Section. However, the group felt that publishing a yearly schedule in *The TarHelium* as well as announcing meetings in the local papers would increase attendance. The following schedule was suggested:

- September—Symposium
- October—to be decided
- November—to be decided
- December—lecture from the NC Distinguished Chemist
- January—joint meeting with the Polymer Subgroup
- February—to be decided
- March—to be decided
- April—Meeting-In-Miniature
- May—joint meeting with the Chromatography Subgroup

They also recommended that a mix of general interest and technical speakers be used. Possible alternative meeting ideas included meetings on art or archeology held at a local museum, science communication with the press (possibly in conjunction with the proposed media award), the history or philosophy of chemistry, or chemical education.

Three major problems were identified with *The TarHelium*: deadlines, work load, and communication. The group noted that publishing the newsletter monthly was a great burden and perhaps publishing it quarterly with monthly meeting notices would help improve the quality of the publication. The discussion concluded with a proposal that the ex-editors meet to discuss these problems.

SCIENCE EDUCATION—The group suggested that following new programs be considered by the Section:

- (1) A career planning workshop for high school and college students combined with the Meeting-In-Miniature beginning in 1989.
- (2) The formation of a high school teachers' topical group, which would tie into the existing Piedmont group of high school chemistry teachers. The group noted that for this venture to be successful, it would be very important to present the teachers with evidence of our interest and support.

- (3) An adopt-a-teacher program where a one-on-one teacher-member partnership would be formed. The Section member would act as a resource for materials the teacher may need as well as help in any other way possible.
- (4) A career day in local high schools with special attention to women and minorities.

After each breakout group presented its recommendations, the planning retreat was brought to a close with all members noting that although it had been a long day, many exciting ideas had come forth.

SECTION SHORT COURSES SCHEDULED

Toxicology for Chemists Instructor: Dr. Jo Ellen Lewtis—EPA	Fall 1988
Molecular Modeling	Spring 1989
Mass Spectroscopy	Fall 1989
Leadership Management	TBA
Analytical Separations	TBA

The education committee presently meets monthly at Research Triangle Institute. If you are willing to serve on the committee or to contribute to the development of these and other courses, please contact Michael Rose, 269-1173, or William Hatfield, 966-2297.

FUTURE MEETINGS

Speaker: N.C. Section Speakers **Date:** September 8
Program: Tutorial for Chemistry at Surfaces and Interfaces Symposium
Location: Duke University

Speaker: Dr. Lawrence F. Dahl **Date:** October 24
Program: Small to Gigantic Transition Metal Clusters
Location: Durham

Speaker: Eastman Kodak Representative **Date:** November 15
Program: The Inside Story of Color Photography
Location: UNC—Chapel Hill

The TarHelium NEEDS NEW STAFF

Local Section members who have an interest in working on *The TarHelium* editorial staff are urged to contact William Hatfield, 866-2297. Although experience in the production of newsletters is helpful, it is not required.

FIRST CALL FOR PAPERS
SECOND ANNUAL NORTH CAROLINA SECTION
ACS SYMPOSIUM
CHEMISTRY AT SURFACES AND INTERFACES
September 9-10, 1988

P.M. Gross Chemical Laboratory
Duke University

The symposium will focus on chemical perspectives of surface science and will feature invited lectures on a variety of topics in areas of ultra high vacuum techniques, non-UHV surface science and near-field imaging.

Contributed papers (to be presented as posters) may be on any aspect of surface chemistry, including but not limited to the following:

catalysis	electron
thin films	STM, AFM and related techniques
epitaxy	optical spectroscopy
corrosion	electrochemistry
monolayers	biochemically related surfaces

Deadline for submission of abstracts is July 15, 1988*.

Invited speakers include David L. Allara, Pennsylvania State; Allen J. Bard, University of Texas, Austin; Cynthia M. Friend, Harvard; Gabor A. Somorjai, Berkeley; John Michael White, University of Texas, Austin; John T. Yates, Jr., University of Pittsburgh, and Gary Kellogg, Sandia National Laboratory.

If you wish to receive further information, return the form below to:

Professor A.L. Crumbliss
Program Chairman, NC/ACS
Department of Chemistry
Duke University
Durham, NC 27706

*Abstracts should be sent to A.L. Crumbliss on an ACS abstract form or typed within a 3 x 7.5 inch area.

Please send additional information on the symposium, Chemistry at Surfaces and Interfaces, to:

Name _____

Address _____

I plan to attend _____; to contribute a paper _____

Tentative title or subject area: _____

CHEMISTRY AND PHYSICS ON STAMPS

PHILATELIA CHIMICA et PHYSICA is a quarterly journal devoted to the study of stamps having a theme of chemistry or physics. Each issue averages about 24 pages. Volume Nine, issued during 1987, has eight articles on biography, one on physics, seven on covers, five on new issues, one on computers and regular columns on trade mart, personal members, and reports of the editor, the president and the secretary. The volume published in 1986 has won five awards in literature competitions.

Dues are \$7 per year. Chemists who are stamp collectors will find this an interesting endeavor to pursue. Write to Edwin S. Hodge, 3133 Glendale Avenue, Pittsburgh, PA 15227 for a sample copy, an application blank and helpful suggestions on how to get started.

EFFECTIVELY COMMUNICATING RISK

The role of the chemical sciences and its associated benefits and risks have reached the general public at its nucleus—the community. State and federal laws have initiated programs to ensure that workers are advised of potential chemical hazards on the job. Now this “right-to-know” is being extended beyond the workplace to the community. This July, under the Superfund Amendments Reauthorization Act (SARA) Title III, known as the Emergency Planning and Community Right-to-Know Act, the public will have a legal right to know about certain chemicals that are stored, produced and released in and around their community.

As professionals in the chemical sciences and the people most familiar with the processes involved, you have the knowledge and expertise to communicate information about potentially hazardous chemicals to your community. In addition, getting involved in risk communication presents you with a unique opportunity to assure greater credibility for the profession by demonstrating concern for your environment. By making people aware of what chemistry does, and associated risks, the public's concerns may be alleviated.

The ACS urges you to get involved; there are many planned ACS activities that will make it easy for you to participate in communicating chemical risk. The following steps will help you facilitate this activity.

- Become familiar with local Community Right-to-Know laws.
- Organize chemists in the area to show that, as a group, the profession is concerned about the community and the people who live there.
- Contact others involved; state and local groups are required to organize under the Community Right-To-Know law pertaining to potentially hazardous chemicals.
- Help educate local groups about dealing with the risks involved with potentially hazardous chemicals.

To receive additional information contact Michele M. Boisse, ACS-GRASP, 1155 16th St., N.W., Suite 300, Washington, D.C. 20036; (202) 872-4391.

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May 17, 1988

Registration / Continental Breakfast
8:30 a.m. - 9:00 a.m.
Program / Demonstration
9:00 a.m. - 3:00 p.m.

To register, please call Erna Straw
(301) 698-9750



Headquarters: 355 River Oaks Parkway, San Jose, CA 95134
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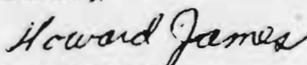
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Changes in membership status also should be submitted to the above address.

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