

VOL. LII

SEPTEMBER, 1996

NUMBER 6

AMERICAN CHEMICAL SOCIETY
COMMITTEE ON LOCAL SECTION ACTIVITIES

June 14, 1996

Dr. Somashekhar N. Munavalli 1995 Chairman, Maryland Local Section

Dear Mr. Munavalli:

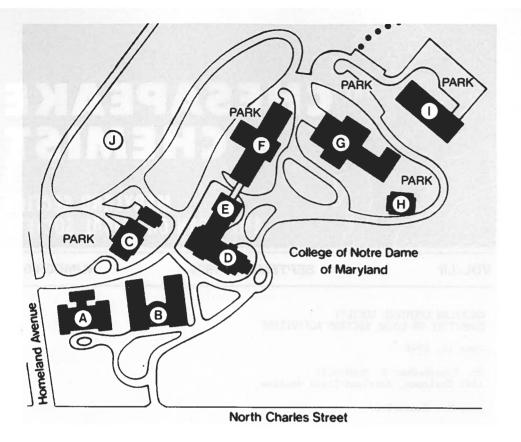
On behalf of the ACS Committee on Local Section Activities, I extend sincere congratulations to the Maryland Local Section upon being selected as the winner of the 1996 ACS Award for Outstanding Performance by Local Sections in the medium-large size section category. You and the other members of the Maryland Local Section are to be commended for the truly excellent program which your section conducted during 1995. The Awards for Outstanding Performance by Local Sections in all size categories will be presented at the ACS meeting in Orlando, FL at the local section officers' and tour speakers' reception. The reception will be held on Tuesday, August 27 at 4 p.m. at the Omni Hotel.

This award recognizes the hard work of many officers and the support and enthusiasm of the section membership; together you have carried out an exemplary program of service to your communities. The image of chemistry and of chemists is built upon and sustained by the personal activities of ACS members at the local level. Your dedication to the goals of the Society and willingness to provide service beyond that which is expected set an example for others to follow.

Because you had such excellent programs in 1995, we would like you to share your activities with other sections in the form of a 4'x6' poster display at the LSAC reception. Please call Sarah Nash at the Office of Local Section Activities [202-872-4612] to let her know who will accept the award for your local section and to get details on the poster presentation. Sarah's Internet address is s nash@acs.org.

Again, on behalf of the members of the Committee on Local Section Activities, I extend sincere appreciation for an outstanding year and wish you all continued success in your local section programs.

Sincerely, C. Gordon McGarty, Chairman Local Section Activities Committee



CAMPUS MAP

- A. Fourier Art Gallery, Ethel Clay Continuing Education Center, Classrooms
- B. Mary Meletia Hall—Residence Hall, Classrooms
- C. Economy Hall—Computer Center
- D. Gibbons Hall—Reception Desk, Administrative Offices, Classrooms, Bookstore
- E. Theresa Hall

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- F. LeClerc Hall—Auditorium, Gymnasium, Swimming Pool, Counseling Center, Career Development Office
- G. Doyle Hall—Residence Hall, Dining Room and Student Lounges
- H. Noyes Alumnae House
- I. Knott Science Center—Classrooms, Laboratories, Planetarium
- J. Athletic Field and Tennis Courts

THE CHESAPEAKE CHEMIST



THE CHESAPEAKE CHEMIST

VOL. LII	SEPTEMBER, 1996		NUMBER 6	
THE CHESAPEAKE CHEMIST	STAFF	COMMITTEE CH	AIRPERSONS	
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The Chesapeake Chemist is published monthly September through May by the Maryland Section of the American Chemical Society. Address editorial comments to the Editor. Send advertising copy and inquiries to the Business Manager. The Maryland Section is not responsible for opinions expressed herein. Editorials express the opinions only of their authors. The Editor is responsible for all unsigned material.

LETTER FROM THE CHAIRMAN

I wish to share highlights, future plans and concerns with our membership.

Our organization has done wonderful jobs with the help of volunteers (from veterans to young) over many decades. The student awards program was well attended by the students, parents and faculty, from many parts of the state. We have received more interest in the Chemistry Olympiad, the Science Fairs at Morgan, and Towson and at the annual dinner meeting for the Remsen Award. Our Councilors and several other members had attended National and Regional meetings. The Long Range planning process, and the changes in the Bylaws were supported by the executive committee, under the leadership of our previous Chairman.

Against the monumental investment of time, the lack of attendance at the Premier National Chemistry Week event was disappointing. However, it is encouraging to try out new ideas and then to see how we can improve upon them. The joint picnic with the Washington Chapter has not been held for two years, perhaps due to lack of interest, and/or lack of manpower.

As we look toward the future, I sense some exciting new ideas. I believe it will be worthwhile for us to become a service organization for our members and our communities. It means from the educational needs of the students, faculty and the institutions, to the need of the retired chemists, to the need of kids, to the need of the industry and the government agencies.

We have made a modest start with the Video Library. We should expand it to include computer software, access to Internet, and review of books for possible publication in our magazine.

The future leadership of our organization is committed to provide support for educational needs. The National Chemistry Week program will have new leadership. A Steering Committee is working on a plan for the educational workshop for a day in early November. Several of our members are involved in giving demonstrations at local schools. We are hoping to receive information for possible publication, from different laboratory facilities, which would explain what kind of work they do, how many people are employed, what kind of equipment and technologies are used. Dr. Shekar Munavalli is preparing the information about his lab. I am working with the National ACS for Chemistry for Kids, and building a group of chemists and teachers to work with the volunteers from high schools and colleges. I am hoping to assign someone to lead the Industrial Relations Committee. Mike Zapf's ideas about the Internet, Chesapeake Bay Environmental problems, joint meetings with other organizations, Space Telescope, Wine Tasting, various ethnic foods at one of the dinner meetings among others, are very exciting.

I encourage our membership to participate in these activities. Also, if they have suggestions, concerns and/or new ideas, I urge them to communicate with me or any of the Executive Committee members of the Section.

Truly, Shirish Shah, Chairman Maryland Section

NATIONAL CHEMISTRY WEEK 1996

The Maryland Section's NCW 1996 team is composed of Mark Greenberg, Mark Banash, Michael Freitag, Barbara Nixon, Terry Nixon, Ernie Silversmith, Kathleen Thompson and Mike Zapf.

At its organizational meeting the team announced several key points and identified several possible activities consistent with these points.

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KEY POINTS:

The scope of this National Chemistry Week initiative will include the geographical area served by the Maryland Local Section. This will require that special effort be made to include colleagues outside of the metropolitan Baltimore area.

National Chemistry Week will be celebrated the week of November 11, 1996 as the 1996 general elections will no doubt be the focus of media attention the week of November 4, 1996.

The desired outcomes of this National Chemistry Week initiative are:

- The public better understands what chemists do; that chemists do realize tremendous job satisfaction
- Primary and secondary school students have a positive view of chemistry
- 3. There is a positive change in the public impression of chemists and chemistry -- chemistry is all around us!
- Fellow chemists are motivated to be involved in the outreach activities of National Chemistry Week
- New curricular initiatives are underway based on new or revitalized partnerships and collaborations

PHOENIX AWARD NOMINATION

Mr. Subhash Dhanesar Maryland Section

Congratulations! The Maryland Section has been nominated for a Phoenix Award in the category *Greatest Membership Involvement* for your National Chemistry Week (NCW) - 1995 activities.

Winners will be announced at the Orlando National Meeting during the Phoenix Awards and National Chemistry Week Celebration. The ceremony will be held on Tuesday, August 27, at the Peabody Hotel, Plaza International Ballroom, beginning at 8:30 p.m. The event will feature a tropical theme, stiltwalkers, jugglers and a multimedia awards presentation. Following the awards ceremony, Lisa Z. and Co. will provide live dance music until 12:00 a.m. Beer, wine, soft drinks, and snacks will be available.

We would like for you, as the NCW-1995 Coordinator for your local section, to march in the parade during the opening ceremony and carry a local section flag provided by our office. You should report to the parade check-in table outside the Plaza International Ballroom entrance at 8:00 p.m. PLEASE CALL US AT 1 (800) 227-5558, OPTION 951, BEFORE JULY 26 TO CONFIRM YOUR ATTENDANCE AND TO ORDER YOUR COMPLIMENTARY TICKETS. Each local section can request a maximum of ten complimentary tickets that include two free drink coupons. Additional tickets may be purchased at \$5.00 each. To assist you with making hotel accommodations, we have enclosed a copy of the ACS housing reservation form. As emphasized on the form the deadline for hotel requests for Orlando is July 26.

A Poster Session highlighting outstanding activities that occurred during NCW-1995 will precede the Phoenix Awards Ceremony. As a nominee for a Phoenix Award, we invite your local section to participate. Posters should be ready for display in the Plaza International Ballroom Foyer of the Peabody Hotel by 6:30 p.m. on Tuesday, August 27. If your section is interested, please contact Cheryl Brown at 1-800-227-5558, option 952.

Again, congratulations! We hope to see you in Orlando.

Sincerely, Nancy Ryan Gray Program Manager

THE WASHINGTON AND MARYLAND SECTIONS OF THE ACS SPONSOR A ONE DAY CONFERENCE

REVITALIZING COLLEGE CHEMISTRY - THE FIRST TWO YEARS

FRIDAY, NOVEMBER 8, 1996 AT UNIVERSITY OF MARYLAND BALTIMORF COUNTY

The sessions planned are presentations of National Science Foundation supported chemistry reform projects, the ACS project, Chemistry in Context, and a number of concurrent sessions many of which will be hands-on. The concurrent sessions will include: use of calculator based laboratory (CBL), application of case studies in chemistry, infusion of computers in general chemistry, cooperative learning, and other related topics.

We would like to encourage you to present a poster paper on developments, innovations, and ideas in your own courses to share with your chemistry colleagues in Maryland. Poster papers will be viewed during the breaks and at lunch. We would like to receive a 250 WORD CAMERA-READY ABSTRACT from you by OCTOBER 15, 1996, in order to showcase it in a publication to be given to each conference participant.

The Abstract, with Title, Authors and Affiliations, and text, should be sent to Laurence Boucher, Department of Chemistry, Towson State University, Towson, MD 21204.

LAURENCE R. DUSOLD

Laurence Dusold received a B.S. degree in chemistry from Purdue University in 1966 and an M.S. in chemistry from the University of North Carolina at Chapel Hill in 1969. At Wayne State University he specialized in computer applications in chemistry and then joined the Food & Drug Administration in 1971 as a research chemist. In 1985 he became the Chief, Telecommunications and Scientific Computer Support Branch in the Center for Food Safety and Applied Nutrition. He was the HHS technical representative on the Federal Engineering Planning Group for the NSFNET (INTERNET) from 1990 until 1995.

In 1973 he started teaching chemistry at the University of Maryland, University College as an instructor and he is now an adjunct assistant professor. He is a member of numerous professional societies, including ACS and the New York Academy of Sciences as well as of the Internet Society.

He has published over two dozen papers in scientific journals and has written two book chapters, one in an ACS book on the Internet for chemists. His awards include the Alpha Chi Sigma Senior Research Award in 1966 and the FDA Commissioner's Special Citation Award in 1986.

THE INTERNET FOR CHEMISTS

The talk will describe the Internet, giving a brief history of some of the events which have shaped and are still shaping it, and will show how it can be a useful tool for chemists. It will also describe the World Wide Web, an important aspect of the Internet which did not even exist before 1989.

Examples of applications for chemists will be shown along with some slides of interesting Web Sites on the Internet. Some aspects of becoming part of the Internet will be described with references to such as E-Mail, World Wide Web Browsers and Network News Discussion Groups on Chemistry.

SEPTEMBER MEETING

DATE: Wednesday, September 18, 1996

PLACE: Doyle Building, College of Notre Dame, North Charles St., Baltimore

SUBJECT: Chemistry on the Internet - Picnic

SCHEDULE: 5:30 & 6:30 pm Introduction sessions at the Computer Lab Guided by our speaker and assistants

6:30 pm Reception

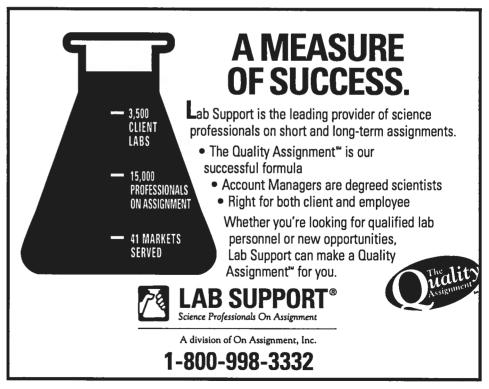
7:00 pm Dinner - Picnic Menu

8:00 pm Lecture by Laurence R. Dusold, Chief
Telecommunications & Scientific Computer Support
U. S. Food & Drug Administration

Dinner reservations should be made by mailing checks, payable to Maryland Section of ACS, to Dr. Shirish Shah, College of Notre Dame, 4701 North Charles Street, Baltimore, MD 21210, by September 11. Late reservations may be made by calling (410) 532-5712 by September 13. An answering machine is available.

Dinner price is \$12.00 per person, but spouses and retired chemists may attend for \$10.00; students may attend for \$6.00.

It is not necessary to be a member of the American Chemical Society to attend. You may attend the lecture without attending the dinner.



MAKING LEMONADE

The ongoing saga of the federal budget crisis has precipitated an unprecedented era of change and instability, placing federal support for science and technology into a crossfire. Yet, turning to that old adage about making lemonade when the world gives you lemons, there are tremendous opportunities for ACS members to make the case for science in today's political environment. When Congress and the public ask about the return on federal expenditures, few stories are better than that of federal support for research and education in the sciences and engineering at agencies such as NSF, NIH, or DOE.

A national figure in the scientific community recently quipped that, "trying to reduce the deficit by reducing research support is like trying to lose a few pounds by having a lobotomy. It makes no sense." The Nation's long-term investment in research and education in the sciences and engineering has produced whole new markets in computers, the Internet, biotechnology, advanced materials, and many others. While we live amidst a rapidly changing world with exciting new products and ideas, few people stop to think about the long-term investments that brought these ideas to reality. Think about it. The Internet didn't happen overnight.

As members of the scientific and technological community -- and sometime recipients of federal tax dollars -- it is our responsibility to communicate the value of federal support for research and education to our neighbors and our elected representatives. If they don't realize how these activities contribute to all of our lives, how can they be expected to support science and technology in times of tight budgets?

The ACS has taken the lead in highlighting the value of research and scientific and technological education at the national level, but it is up to us to make the case at home. As all politics is local, the proof we need to make the case for science is in our own backyards. We need to write letters to our elected representatives and tell them how federal support for research and education has made a difference in our careers, our universities, or our industries. How many of us have invited our neighbors to science fairs or sponsored talks in our communities about scientific and technological advancements and their benefits to our daily lives? We need to take an active role in making this case; otherwise, Congress might give us lemons and little else.

One of the first steps to getting involved on a more regular basis is join the ACS Federal Funding Networks -- a grassroots activist network which distributes information about NSF and NIH funding and policy for communicating with Congress. To find out more, contact the ACS Office of Science and Technology Policy at (202) 452-2127, or via e-mail at NSFNET@acs.org or NIHNET@acs.org. They look forward to hearing from you.

Paul S. Anderson ACS President-elect

THE CHESAPEAKE CHEMIST

E-MAIL ADDRESSES

Members who wish to have their E-Mail addresses registered with the Section should contact Diane Schmidt at the address given below. We may find this system useful for notification about events and Society matters. For the initial contact, please use the following scheme: line 1 - E-Mail address; line 2 - name; and line 3 - any other note.

Contact: DMS@VM.CFSAN.FDA.GOV on Internet or DMI@BFD on Bitnet.

Call For Nominations

The National Chemical Technician Award will be presented to a chemical technician who has demonstrated an extremely high degree of professionalism as a chemical technician. Criteria used to judge the award include job skills, safety and housekeeping, relationship with co-workers, publications and presentations, reliability, communication skills, and additional professional and community activities. Nominees must have worked for five years as a chemical technician. The award will consist of a trip to the 213th ACS National meeting in San Francisco, California for the winner and their guest. A plaque commemorating the award will be presented at the TECH National Chemical Technician Award Banquet in San Francisco on Monday, April 14, 1997.

The ACS defines a chemical technician as a person whose training includes successful completion of a two-year post-high school level chemistry curriculum leading to an Associate Degree, or the equivalent course work in a Baccalaureate Program, or the equivalent knowledge gained by experience. The primary work of a chemical technician is conducting experimentation and/or correlating information to help solve chemical problems and/or discover new chemical knowledge.

Letters of nomination must be received by Hattie H. Jackson, PO Box 440, Brazoria, TX, 77422, no later than September 27, 1996. Nominations, including seconding letters, <u>must not</u> exceed six pages. The nominating letters should address each of the criteria above. A current work address, fax and telephone number must be provided for each nominee.

Chemical technicians need not be a TECH Division Affiliate or ACS member to be eligible for this award. This award is sponsored by the Dow Chemical Company Foundation, and administered by the Division of Chemical Technicians of the American Chemical Society (ACS).

For more information contact Hattie H. Jackson at 409-964-3303.

MARAACC

Joe Topping and Dave Larkin bring us up-to-date on the Middle Atlantic Regional Academic Analytical Chemistry Conference (MARAACC). The meeting held at Towson State University on March 22nd was a success. Over thirty people attended and eleven papers were presented. At the finish of the meeting a business session was held in which the future direction and structure of MARAACC was discussed. A consensus was reached on the following:

- · MARAACC will become a biannual meeting
- In order to give MARAACC a more "solid foundation" it was decided to rotate the meeting site through a small number of schools distributed throughout the middle Atlantic region. The following schools volunteered to be a part of the rotation:

Georgetown University	1998
New Jersey Institute of Technology & Seton Hall University	2000
University of Delaware	2002
Towson State University	2004

 Joe Topping and Dave Larkin volunteered to keep track of MARAACC finances which currently consist of about \$500 in the checking account. They will also keep the mailing list up-to-date and make that available to the next MARAACC host school.

COUNCILOR REPORT

The Council of the American Chemical Society convened at 8:00 a.m. on Wednesday, March 27, 1996 during the national meeting of the Society in New Orleans, Louisiana. The four Maryland councilors Merle Eiss, Donald Jones, David Roswell, and Chuck Rowell were all in attendance. After opening preliminaries were complete, the candidates for President-Elect were introduced to the Council to speak for a few minutes. Subsequently the Council voted to select Daryle Busch of the University of Kansas Section and Paul Walter from the Eastern New York Section to be the candidates in the general election to be held later this year for President-Elect of the Society.

Following the elections, reports were given by the President, the President-Elect, and the immediate past President, all talking about their activities over the past six months or year. Their reports were followed by reports from the Executive Director John Crum and the elected Committees of the Council. Two of those many reports occasioned some discussion that will be of interest to you. First, the Committee on Budget and Finance reported that the Society had had a very successful 1995 and recommended that there be no increase in dues for 1997. The performance of the Society's reserves as well as the general activities of the Society showed a positive variance of \$5.1M on a \$260M budget before recognizing some required accounting changes. Thus in their opinion the normally mandated increase in dues could be avoided. The Council happily accepted that recommendation.

The second report that evoked considerable discussion was from the Society Committee on Publications given by Joe Dixon. In the course of their report, the Council was informed about the results of a study by the Visiting Committee on Publications. They have looked at preparing the Publications Division to respond quickly and effectively to the enormous changes occurring in the means by which scientific information is disseminated. The issues involve rapidly changing technology, globalization, the advent of increasing competition as well as the sensitivities of ACS members. The Visiting Committee recommended that the governance structure as it pertained to the Publications Division needs changing and that the Society should have a governing board for ALL of its publications (including Chemical Abstracts) that reports to the ACS Board of Directors. If this change were to be effected, the authority and scope of activities of the current Society Committee would change and the Bylaws of the ACS would need to be modified. The Committee believes that this recommendation should be effected and as a result is willing to temporarily transfer their responsibility and authority to a new governing board while the required changes are studied further. Any member with concerns about the recommended changes should watch Chemical and Engineering News for further information and the opportunity for input.

Besides these two items little else of significance came before the Council although a number of other reports were given. The meeting adjourned shortly before noon.

Respectfully submitted for the Maryland Councilors.

David F. Roswell

CHANGE OF ADDRESS

It is not necessary to notify *The Chesapeake Chemist* of address changes. We get our mailing labels from the ACS each month, so if you inform the ACS of your address change, we will automatically receive the correct label.

CHEMISTRY OLYMPIAD

The 28th International Chemistry Olympiad was held in Russia in July. The team for this competition is selected by a competitive national examination administered by local ACS sections each spring.

Students who participated in the Maryland Section were Bhavik Hukmani and Garth Terry of McDonogh (Robert C. Smoot, teacher), David Buckingham of Atholton (Kathleen Thompson, teacher), Kevin Williams and Ginny Dye of Oakland Mills (Barbara Jewett, teacher), and Ronald Zaleski and Jeffrey Care of Mount Saint Joseph (Bernard Kenyon, teacher).

FALL 1996 ELECTIONS

On April 25; 1996 Jean Klingler of the National ACS notified the Maryland Section that the Section's proposed amendments to the bylaws had been approved by the Committee on Constitution and Bylaws. Those amendments were included and discussed in the January 1996 issue of The Chesapeake Chemist.

Now that the Section's bylaws have been officially amended, a new election procedure is required. The major change is that the position of Vice Chairman has been added. In order to bring the Section into compliance with the new bylaws and to smooth the transition, Dr. Shirish K. Shah has kindly agreed to fill the vacancy created by the change in bylaws by serving as Chairman for a second year. Any further questions may be directed to the undersigned at (410) 877-2923 or ecpenski@aol.com.

Elwin C. Penski, Chairman Bylaws Committee Maryland Section of the ACS

ELECTION OF OFFICERS

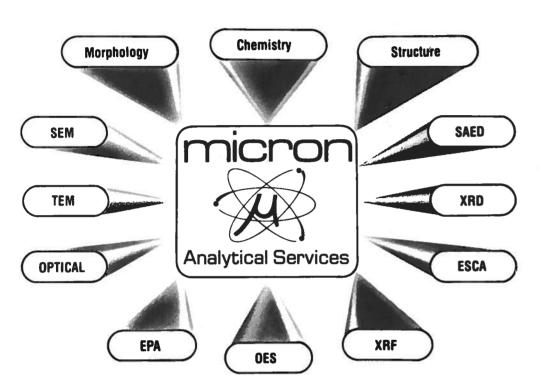
Please complete the following ballot for the election of 1997 officers, councilors and members-at-large of the Executive Committee of the Section and mail it to Shekar Munavalli, 700 Paige Circle, Bel Air, MD 21014. Please sign the envelope, but not the ballot itself, so that membership can be verified.

Chairman Vice Chairman Chairman—elect Secretary Treasurer	Shirish Shah Mike Zapf Jan Kolakowski Anna Kraut-Vass Robert von Tersch	
Councilors (vote for two)	Donald Jones David Roswell	
Alternate Councilor	Elwin Penski	
Members-at-large (vote for five)	Donald Hoster Dale Whalen Harold D. Banks Catharine Fenselau Asola Katumuluwa	

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