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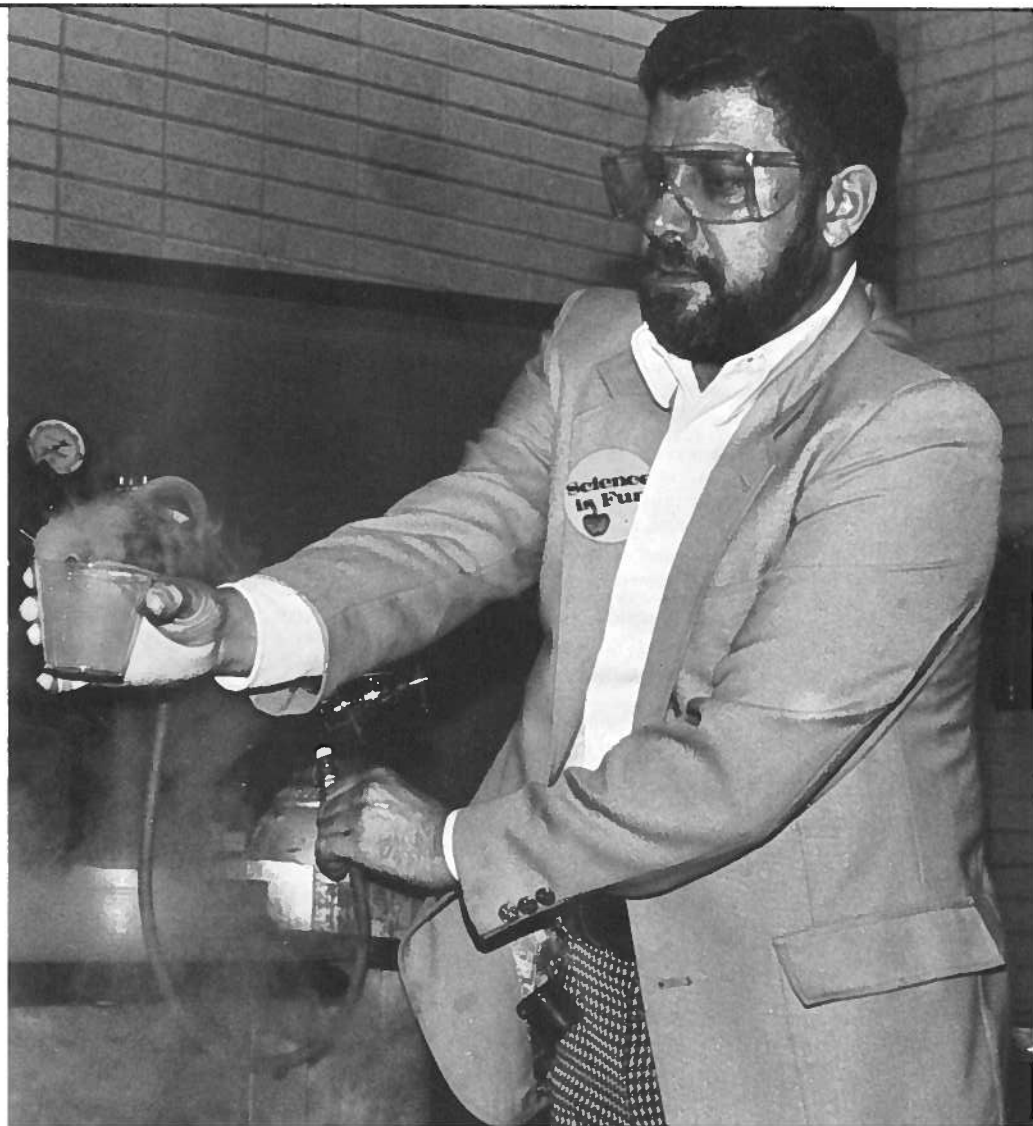
# CHESAPEAKE CHEMIST

MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

VOL. XL

NOVEMBER, 1984

NUMBER 8



## MILLER HIGHLIGHTS

Our September meeting turned into Miller night, with Norman Miller being recognized for 50 years of ACS membership, Mel Miller receiving the Maryland Section Service Award for 1984 and Foil Miller capping the evening with his "After-dinner Stories of Science".

The Millers and everyone else present enjoyed the usual fine hospitality of W. R. Grace, thanks especially to the efforts of Grant Edwards.

## MEMBERSHIP DRIVE

The Maryland Section's ACS membership drive continues. As we approach the end of 1984, the time is especially appropriate to recruit new members for the start of 1985.

In our geographical area there are well over a thousand people qualified for ACS membership who are not members. Each of us must know at least one such person, and we can only strengthen the chemical profession by adding these people to the ACS rolls.

Our October issue contained a membership application form, and our membership chairman, Kris Kirk, will be happy to provide additional forms where needed.

## REMSEN AWARD

The Remsen Award Committee is accepting nominations and suggestions for the 1985 Remsen Award. Nominations and requests for information should be sent to Dr. Robert L. Caret at Towson State University.

## BASSAM SHAKHASHIRI

Our cover photo shows Bassam Shakhashiri performing at our April meeting. Dr. Shakhashiri, formerly professor of chemistry and director of the Institute of Chemical Education at the University of Wisconsin, has recently joined the National Science Foundation as assistant director for science and engineering education.

Dr. Shakhashiri has expressed special concern for the quality of secondary school science education, where he thinks the quality of science teachers needs to be improved. He suggests that the problem can be solved by cooperative efforts among local and state governmental authorities, the private sector and NSF.



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# THE CHESAPEAKE CHEMIST

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David Roswell.....Loyola College  
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Charles Rowell....U. S. Naval Academy  
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## COMMITTEE CHAIRPEOPLE - 1982

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Morgan State University  
Baltimore, MD 21239  
444-3214

Chemical Education and Safety.....  
655-5254 Alvin Bober

Program.....Harold Klapper

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Student Awards.....Donald Hoster  
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396-7991

Remsen Award.....Robert L. Caret  
Towson State University

Finance.....Harold Klapper  
653-3351

## MEMBERS-AT-LARGE

Donald Hoster Paul Gabbert  
Barbara Seiders M. Kris Kirk  
Thomas Bitterwolf

## ALTERNATE COUNCILORS

Linda Sweeting Alvin Bober  
Robert L. Caret Mike Zapf

*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.

COUNCILOR'S REPORT FROM THE  
FALL MEETING IN PHILADELPHIA

The council met on Wednesday, August 29, at 8:00 a.m. All of your councilors were present at the start of the meeting and stayed to the conclusion at 11:25 a.m. We were also represented by 2 of us at the previous Sunday night caucus of the Middle Atlantic Region Councilors.

There were 5 action items on this agenda. We were surprised at what engendered discussion and what did not. However, in the end no really significant discussion was heard. The action items were as follows:

1. Changes in the method for withdrawal of a petition following either referral or recommitment. This was non-controversial. It passed quickly with almost no discussion. We all 4 voted in favor of adoption of the change.
2. The next action item was a proposal to change the apportionment of dues to local sections, which would increase the funds available to small sections by a large percentage, with a smaller percentage increase going to the larger sections until the largest sections would get less than 1% increase. This is an attempt to give the smallest sections enough money to mount a viable program. It raises the base allotment to \$2400 and rearranges the per member allotment slightly. A typical smallest section would get an increase of \$900, while the typical largest section would get only \$40. The arguments are based upon the costs of speakers, now and in the past, and the proportion of the dues available. There was discussion about this change, but not nearly what we expected. The petitioners had done their homework this time. The change passed by a wide margin. All of us voted in favor of the proposal. (We will get about \$500 more/year for programming as a result.)
3. The next item was an alteration in the dues structure to pay for the newly adopted apportionment change. Since it had not been presented before, it was done under an urgent action request. This required a 3/4 vote to even consider the proposal to raise the necessary funds. Both the urgent action and the proposal passed by very large majorities. All 4 of your councilors voted in the affirmative on both urgent action and for the proposal.
4. The last petition up for action was ACS copyright ownership. This proposal modifies the ACS stand on copyright ownership to exclude "work" prepared by an employee of the U.S. government or foreign government from having to sign over copyright to ACS. The petition was totally non-controversial and passed overwhelmingly. Again, all 4 of your councilors voted with the majority.

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5. The last item was a motion to change the site of the 1986 spring meeting from Atlantic City to New York. The reason was some problems in hotel space handling that had developed in Atlantic City. We all voted to move the meeting to New York City for the spring of 1986.

There were also a number of petitions which were for consideration only. These will be acted on in Miami Beach next May. They are concerned with:

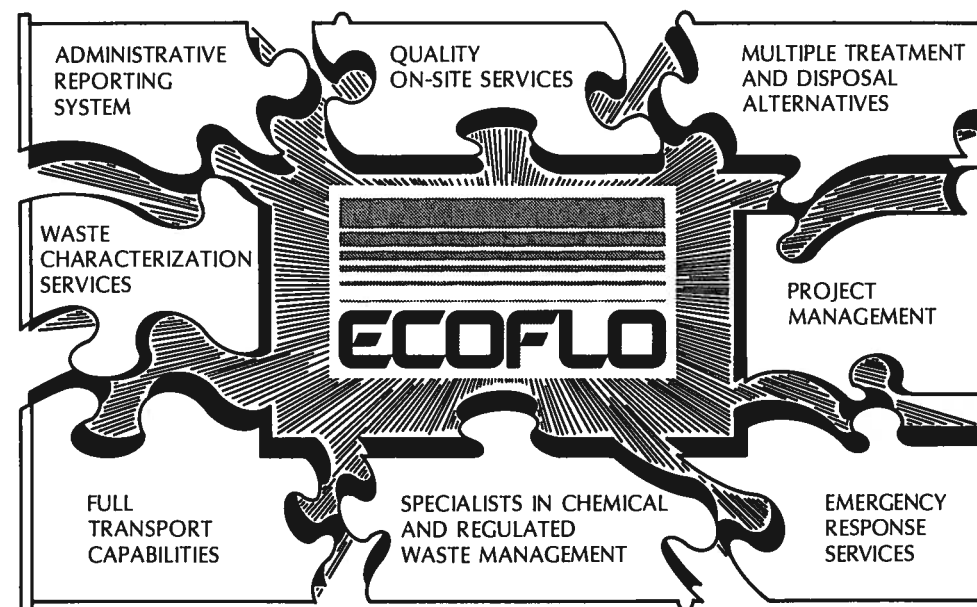
1. Filling vacancies on the council policy committee.
2. Date of official count for geographic regions.
3. Elimination of the reinstatement fee for lapsed members.
4. Requirements for emeritus status.
5. Requirement for retired status.
6. Housekeeping amendment for restriction of voting rights of national affiliates.

If you have views on any of these proposals, be sure to call or write us so that we may properly represent them next spring. We will otherwise use our best judgment in voting on these matters. In any case, we want to hear your concerns, so that they can be passed on directly.

Your councilors

Merle Eiss      Dave Roswell  
Don Jones      Chuck Rowell

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DAVID W. YOUNG

Dr. David W. Young is President of David W. Young & Associates, Inc., established in 1973 to provide creative guidance for research and development in a variety of disciplines. They offer services in product and process development, plant design, government regulations, technology searches and assessment, marketing studies and technical marketing areas, among others.

He has more than thirty years of creative experience in developmental chemistry. His efforts have led to more than 500 patents, U.S. and foreign, and he is recognized as one of this country's leading inventors in the field of petroleum chemistry. In 1975 he was named Inventor of the Year by the U.S. Commissioner of Patents.

Dr. Young has worked on high impact polystyrene, synthetic lubricants, coatings, flame retardant plastics, and has been credited with developing the Tylenol formula. He has been associated with R. B. MacMullin Associates, the Atlantic Richfield Company, Esso Research & Engineering Company, Dow Chemical and Allied Chemical. He has written over 50 technical publications. He is a member of numerous technical societies and is listed in *Who's Who in America*, *American Men of Science*, *Who's Who in Chemistry* and *Who's Who in Ecology*.

David Young has been playing the violin since the age of six, and was playing professionally in theaters as a high school youth. He has played with several orchestras throughout the country, beginning with the University of Kentucky Symphony, and most recently with the Chicago Heights Symphony.

#### ANTONIO STRADIVARI - THE ARTIST AND THE CHEMIST

The life and times of Antonio Stradivari will be discussed, with particular emphasis on the varnish he used on his violins.

Dr. Young will demonstrate his Stradivarius violin, both musically and visually.

#### MARYLAND SECTION FUTURE PROGRAM

DATE AND LOCATION	SPEAKER	TOPIC
December 12, 1984 College of Notre Dame	Maryland Chemist of the Year	
February 20, 1985 College of Notre Dame	Vince Guercio	Independent Consulting
	Additional Speaker	
March 20, 1985 College of Notre Dame	Dr. Conkling Washington College	The Chemistry of Fireworks
	Additional Speaker	
April 17, 1985 U.S. Naval Academy	Joseph and Celia Bonaventura Duke U. Marine Lab	Hemosponge
May, 1985	Remsen Award	

## NOVEMBER MEETING



DR. DAVID W. YOUNG

#### DATE:

Wednesday, November 14, 1984

#### PLACE:

Officers' Club  
Edgewood Area  
Aberdeen Proving Ground  
(NOT the Aberdeen Area)

#### RESERVATIONS:

Dinner reservations are necessary and should be made by mailing checks, payable to Maryland Section of ACS, to

John Corliss  
P.O. Box 20899  
Baltimore, MD 21209

#### SCHEDULE:

6:00	Social Hour (Cash Bar)	by November 5. Late reservations may be made by calling
7:00	Dinner (Beef and Burgundy)	John Corliss at (301) 235-6612 or Nolan Phillips at (301) 385-0159
8:30	David W. Young David W. Young & Associates, Inc. "Antonio Stradivari - the Artist and the Chemist"	by November 9.  Dinner price \$10.00 per person, but spouses, retired chemists and students may attend for \$8.00

It is not necessary to be a member of the American Chemical Society to attend.

Directions: Take I-95 north to exit 4. Take route 24 south to the Edgewood Area of Aberdeen Proving Ground. The guard will be expecting all who have made reservations. After being admitted by the guard, continue straight past a traffic light. The road will then be identified as Hoadley Road. Follow this to a stop sign, a chapel and Austin Road. Turn right on Austin Road. After a Children Warning sign bear left onto Parrish Road. The second right, Gunpowder Loop, will pass the front of the Officers' Club (Bldg E-4650). Parking is in the rear.

#### THE AUSTIN M. PATTERSON - E. J. CRANE AWARD

The Dayton and Columbus Sections of ACS are soliciting nominations for the 1985 Austin M. Patterson - E. J. Crane Award for achievement in chemical information and documentation. Closing date for nominations is January 31, 1985. The award, consisting of an honorarium of \$2,000 and an illuminated scroll, will be presented at a dinner in Dayton, Ohio in May, 1985.

Nominations should be sent to The Patterson-Crane Award Committee, Dr. E. F. Jendrek, Monsanto Research Corporation, MRC-Mound, Miamisburg, Ohio 45342.

## EXECUTIVE COMMITTEE MINUTES

The Executive Committee, Maryland Section, American Chemical Society was called to order by the Chairman, Nolan Phillips, on September 5, 1984 at 7:40 P.M. at the College of Notre Dame. The following members were present: T. Bitterwolf, A. Bober, H. Cohen, M. Diemer, M. Eiss, H. Freimuth, A. Harmon, D. Hoster, J. King, K. Kirk, H. Klapper, R. Kreps, C. Manger, T. Parr, J. Roach, C. Rowell, B. Seiders, E. Silversmith, T. Stockus, W. White, M. Zapf and A. Zeiger. The minutes of the meeting on April 4, 1984 were read and approved.

*Treasurer's Report:* John Roach distributed the financial report covering the period from April 1 - August 31, 1984. Section assets were \$25,317.86. The cost for the program at Morgan was higher than expected due to some unanticipated travel costs for Proctor and Gamble persons.

*Awards and Nominations:* J. King reported that the Interim Committee on Awards had met and selected Dr. Nicolas Zenker, Professor of Medicinal Chemistry, University of Maryland, Baltimore, to receive the Maryland Chemist Award for 1984. C. Rowell reported that the nominating committee for the section officers had met and made the following nominations: T. Bitterwolf for Chairman-elect, K. Kirk for Secretary, J. Roach for Treasurer, D. Jones and D. Roswell for Councilors, R. Caret and T. McNeese for Alternate Councilors, and Sr. Denise Eby, D. Hoster, J. King, B. Seiders and T. Stockus for Members-at-large. Chuck suggested that a permanent committee be set up for this purpose and to maintain records about personnel. N. Phillips asked for volunteers for the Personnel Committee.

*Chemical Education and Safety:* A. Bober thanked all those who had helped during his health complications, however he needs to step down in order to get caught up after his absence. Alvin reported that the program at Morgan was very successful, with 35-40 students from 8-9 colleges and 7-8 professors attending.

*Program:* H. Klapper said that for the February meeting a suppliers' night or business related program was possible. It will be a non-technical talk about consulting. C. Rowell suggested that the ACS Committee on Small Businesses may be useful. M. Eiss suggested that local salespeople be contacted about the possible suppliers' night. A. Bober suggested that Dr. Young speak on Pollution Engineering. G. Seiders volunteered to set up a Poster Session for that meeting that would extend into the cocktail hour.

*House:* John Corliss and Henry Freimuth have volunteered for the committee. P. Gabbert will continue on the committee until January.

*Member Assistance:* M. Eiss reported that the list of employment openings from National rarely has job openings from the *Baltimore Sun* or the *Washington Post* although they are supposedly watching those papers for openings.

*Public Relations:* B. Kreps reported that there were 3 more releases covering the Spring program and that there would be two more by the end of the month about the new agenda. A release covering the High School Teacher Award was also sent out.

*Membership:* K. Kirk reported that she has processed 4 new applications toward her goal of 12. Kris also has 4 new names to be added as Section members to receive *The Chesapeake Chemist*. Nolan reported that National will help with a phonathon to try to bring in new members. We will need a location with phones and volunteers and National will also coach on what to do. The list of potential members from National includes persons who have moved into the area, recent graduates, people who have presented papers at ACS meetings and members who have dropped out. 1500 names are on the list for our Section. J. Roach said that the Baltimore Zoological Society recently rented a site from the C & P and that he would investigate the cost of this.

*Finance:* H. Klapper suggested that \$15,000 be withdrawn and deposited into another account that would yield higher interest. A motion was made and passed to place \$15,000 in a 1 year Certificate of Deposit.

*High School Activity:* M. Zapf introduced new committee member Maureen Diemer. He distributed a financial report for the committee and said that the 1984-1985 Program should be very attractive to students. C. Rowell said that the lecture on fireworks is copyrighted and M. Eiss suggested that this be announced prior to the lecture. N. Phillips reported that he has been receiving phone calls from high school teachers and spoken with students expressing interest in the Project Seed. Nolan suggested the Section sponsor its own Project Seed student. He asked for volunteers for tours and also to lecture at schools.

*Remsen Award:* N. Phillips reported for B. Caret that he will reestablish the committee and solicit nominations in *The Chesapeake Chemist*.

*Student Awards:* D. Hoster will begin soliciting nominations for the Student Awards soon. He suggested some sort of reimbursement for the secretary who does the necessary typing during her own time. A motion was passed to give the secretary a \$50 gift at Christmas.

*Chesapeake Chemist:* A. Harmon reported that advertising was good last year and so far this year also. The account balance, now \$840,000 will be zero after the first two mailings, and that all costs were going up. A motion was passed to add \$3,000 to the budget. H. Cohen suggested raising the cost for advertising in *The Chesapeake Chemist*. M. Eiss made a motion to increase the cost for a full page of advertising from \$89 to \$100 and other sizes appropriately. The motion was passed. H. Cohen has the money if a First Class mailing is necessary. N. Phillips reported that the *Chemist* will be sent to prospects in October and that the issue will include a membership application.

*MARM:* C. Rowell reported that National has moved the April 1986 National meeting to New York and that the Pittsburgh Conference will be held in New Orleans. A Zeiger said that since the meeting and date conflicts were now lifted that we could select the March 1986 dates now. Tim Parr volunteered to be the MARM Finance Chairman. Tim said that the Hilton has been bought by Omni International so we need to check that the arrangements there are still set. Any other volunteers are to please contact Alice.

*Archives:* E. Silversmith checked the issues of *The Chesapeake Chemist* for the last ten years to find out the names of the speakers we have had for monthly meetings.

*New Business:* John Roach suggested we provide non-alcoholic beverages at the monthly meetings in addition to the cocktails. Nolan Phillips reported that the Distinguished Service Award Committee had met and had selected Mel Miller to receive the award. A plaque will be given at the September meeting. Nolan asked that the Section Committees give a report of their activities to Nolan for inclusion in the Section Annual Report. No plaques have been given to several past Chairmen, at least from 1977 on, so plaques will be given at one of the meetings. H. Freimuth said that other past Chairmen even earlier had not received past Chairmen plaques.

The next meeting will be held on December 5.

The meeting was adjourned at 9:15 P.M.

Respectfully submitted,

Cheryl L. Manger  
Secretary

#### WOMEN CHEMISTS COMMITTEE

The ACS has a long history of encouraging women chemists to participate in Society activities. In 1927, the Women's Service Committee was established for just this purpose. Today, the Women Chemists Committee (WCC) continues this effort and addresses itself to a broad range of professional issues that especially concern women in chemistry.

Over the years, of course, more and more women have entered the chemistry field. Of the Society's members aged 31-35, some 14% are women, while nearly 33% of ACS's youngest members (ages 21-25) are women. Comparison of these two percentages illustrates the dramatic increase in the number of women working in the chemical sciences and participating in their professional organization.

For the Society's 18,000 women members and affiliates, the WCC serves as a forum for discussing the problems experienced by women pursuing chemical careers and for developing concrete recommendations for solving these problems. The Committee prepares annual reports on the number of women on chemistry and biochemistry faculties of institutions granting doctor's degrees and the number on chemistry faculties of bachelor's and master's degree granting institutions. Among the Committee's recent activities is a study of the economic status of women in the ACS.

Eager to assist the formation of an effective networking system for women in chemistry, the Committee maintains a resource list of women chemists to give career talks, technical talks, or to serve on advisory bodies and review committees. An informal referral service exists as well to help employers searching for women chemists as prospective employees. By monitoring legislation affecting women in chemistry (e.g. the recent Women in Science provisions of the NSF authorization), the WCC further fulfills its commitment to women ACS members.

Primary among the Committee goals are stimulating the active interest of women chemists in the Society's work and increasing their participation in the Society. Consequently, WCC focuses on promoting attendance of local, regional, and national meetings by women chemists. The Committee also works to increase the membership of women chemists in the ACS.

Since 1936, the Committee has served as the official canvassing committee for nominees for the Garvan Medal. This prestigious, national award recognizes distinguished service to chemistry by women chemists, citizens of the United States.

In addition, the Women Chemists Committee conducts a number of other ongoing programs. Twice a year it publishes a newsletter outlining some of the current issues of interest to women chemists. A social hour and luncheon are held at each national meeting, with the Garvan Medalist as guest speaker at the spring meeting and another outstanding speaker at the fall meeting. Finally, the Committee sponsors symposia at national meetings designed to provide useful information to chemists. Recent symposia include "Employment Reentry--Issues and Options," "Non-Traditional Career Options," "Strategies for the Preparation of Successful Grant Proposals," and "Networking." A symposium on "Dual Career Couples" is planned for this year.

To contact the Committee, please write to the Women Chemists Committee, American Chemical Society, 1155 16th Street, N.W., Washington, D.C. 20036, or call (202) 872-4456.

# ANALYTE

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#### ACS CONGRESSIONAL FELLOWS

The ACS is seeking candidates among practitioners of the chemical sciences for one-year appointments for its two ACS Congressional Fellowships. The deadline date for receipt of application materials is January 31, 1985, and the fellowship term begins in September of 1985. Further information can be obtained from Ms. Amanda B. Huston in the Department of Public Affairs at ACS headquarters in Washington, telephone (202) 872-4384.

The fellowship stipend is \$24,000 with the provision that each fellow may also obtain additional support from other sources outside the ACS.

#### NATIONAL PLASTICS MUSEUM

The National Plastics Museum has secured a site and building in Leominster, Massachusetts and has launched a fund drive to raise three million dollars over the next five years. The museum is dedicated to preserving and exhibiting the evolutionary history of plastics, and, if all goes well, the doors could open in 1987. The fund drive was initiated at a kick-off reception in Philadelphia hosted by Rohm and Haas.

Mailing address for the museum is P.O. Box 639, Leominster, MA 01453.

#### ELECTION OF SECTION OFFICERS

Please complete the following ballot for the election of the 1985 officers, councilors and members-at large of the Maryland Section, and mail it to Cheryl Manger, 4300 Meadowcliff Road, Glen Arm, MD 21057. Please sign the envelope, but not the ballot itself, so that membership can be verified.

Chairman-elect

Thomas Bitterwolf

Secretary

Kris Kirk

Treasurer

John Roach

Councilors

Don Jones

(vote for two)

David Roswell

Alternate Councilors

Robert Caret

(vote for two)

Tim McNeese

Members-at-large

Sr. Denise Eby

(vote for five)

Donald Hoster

James King

Barbara Seiders

Ted Stockus

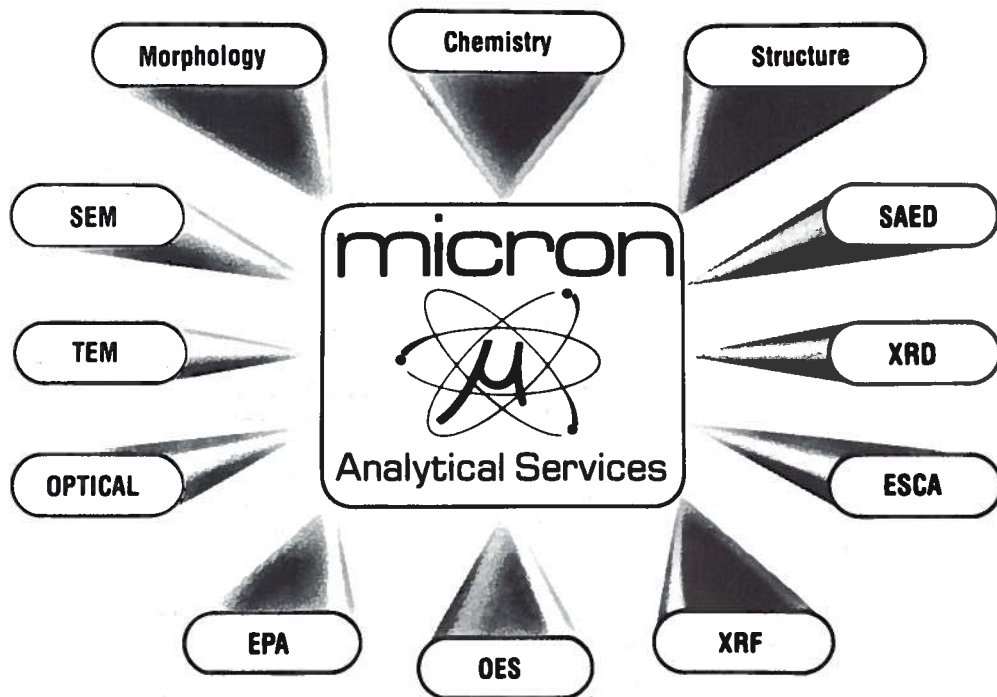
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DIVISION OF SMALL CHEMICAL BUSINESSES

The ACS Division of Small Chemical Businesses has celebrated its fifth birthday. The Division sponsors a variety of activities aimed at promoting cooperation among chemical entrepreneurs working at the interface of chemical science and business. Information about the Division can be obtained by writing DSChB - ACS, P.O. Box 14373, Columbus, OH 43214.