



# THE CHESAPEAKE CHEMIST

MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

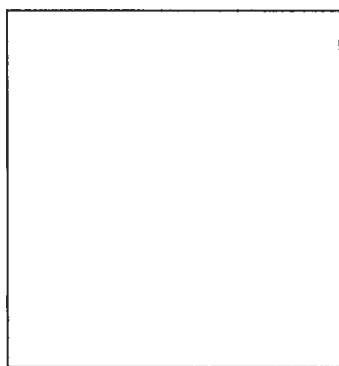
VOL. XLI

JAN.-FEB., 1985

NUMBER 1-2



HAROLD KLAPPER  
CHAIRMAN



TOM BITTERWOLF  
CHAIRMAN-ELECT



KRIS KIRK  
SECRETARY



JOHN ROACH  
TREASURER

**MARYLAND SECTION — ACS**  
**OFFICERS FOR 1985**

With this first issue of 1985 we wish you a happy new year and introduce to you our new section officers.

We congratulate Nolan Phillips for a fine year in 1984 and challenge Harold Klapper to do even better.

We also note the innovation of a "Chemistry in Maryland" night at our February meeting and thank Barbara Seiders for her efforts in arranging this function.

We might also encourage you to start thinking about nominations for the Maryland Chemist of the Year award. The deadline for these nominations is just about three months away.

## NINETEENTH MARM

The 19th Middle Atlantic Regional Meeting will be held May 21 - 23, 1985 at Monmouth College, West Long Branch, New Jersey. Twenty-six special symposium sessions and seventeen general technical sessions are planned.

## NATIONAL COMPUTER WORKSHOPS

The Seventh C. C. C. E. National Computer Workshops - East will be held July 28 - August 1, 1985 at Clarkson University in Potsdam, NY. These workshops are sponsored by the American Chemical Society Division of Chemical Education's Committee on Computers in Chemical Education and Project SERAPHIM. The workshops and their directors (indicated in parentheses) are:

- Getting Started (Paul Cauchon, Canterbury School)
- Design and Development of Computer Assisted Instruction Programs (Alfred J. Lata, University of Kansas)
- Introduction to Pascal (Kenneth Loach, SUNY at Plattsburgh)
- Microcomputer Interfacing (Chris Titus, The Blacksburg Group)
- Applications Software (Patricia Flath, Paul Smith's College and Donald Rosenthal, Clarkson University)
- Microcomputer Graphics (Victor Bendall, Eastern Kentucky University)

In addition to the above, a software and book exhibit, poster session and software exchange will be featured. Each registrant will enroll in one workshop. The advance registration fee is \$100. Additional information may be obtained from Dr. Donald Rosenthal, Department of Chemistry, Clarkson University, Potsdam, NY 13676. (315-268-6647)

## MICROANALYSES

Analysis for all elements

Trace analyses and molecular weights

## GALBRAITH LABORATORIES, INC.

P.O. Box 4187 • Knoxville, TN 37921

(615) 546-1335



# THE CHESAPEAKE CHEMIST

VOL. XLI

JAN.-FEB., 1985

NUMBER 1-2

## THE CHESAPEAKE CHEMIST STAFF

- Raymond C. Petersen.....Editor  
9329 Joey Drive  
Ellicott City, MD 21043  
465-8520
- Joseph Topping.....Associate Editor  
Department of Chemistry  
Towson State University  
Towson, MD 21204  
321-3056
- Alan Harmon.....Business Manager  
McCormick & Co., Inc.  
Hunt Valley, MD 21031  
667-7480

## SECTION OFFICERS

- Harold Klapper.....Chairman  
3313 Terrapin Drive  
Pikesville, MD 21208  
653-3351
- Thomas Bitterwolf.....Chairman-elect  
U. S. Naval Academy  
Chemistry Department  
Annapolis, MD 21401  
267-3403
- Maria Kristine Kirk.....Secretary  
4000 Mayberry Avenue  
Baltimore, MD 21206  
435-0100
- John E. Roach.....Treasurer  
2810 Beechland Avenue  
Baltimore, MD 21214  
426-6296

## COUNCILORS

- Donald Jones.....Western Maryland College  
848-7000 ext 493 or 876-2055
- David Roswell.....Loyola College  
323-1010 ext. 235
- Charles Rowell.....U. S. Naval Academy  
267-2808
- Merle I. Eiss.....McCormick & Co., Inc  
667-7485

## COMMITTEE CHAIRPERSONS

- Awards.....James W. King  
Chemical R & D Center, EA  
APG, MD 21010  
671-3482
- Chemical Education and Safety.....  
435-0100 Stephen Gregory
- Program.....Thomas Bitterwolf
- Archives.....Ernest Silversmith
- House.....John Corliss  
Henry Freimuth
- Member Assistance.....Merle Eiss  
McCormick & Co., Inc.  
667-7485
- Public Relations.....Robert W. Kreps  
Northrop Services/Goddard  
(301) 344-6547
- Membership.....Maria Kristine Kirk  
4000 Mayberry Avenue  
Baltimore, MD 21206  
435-0100
- Publicity.....Donald Jones  
Western Maryland College
- Student Awards.....Donald Hoster  
Community College of Baltimore  
396-7991
- Rensen Award.....Robert L. Caret  
Towson State University
- Finance.....Harold Klapper  
653-3351

## MEMBERS-AT-LARGE

- Donald Hoster Ted Stockus  
Barbara Seiders James King  
Sr. Denise Eby

## ALTERNATE COUNCILORS

- Robert L. Caret Alvin Bober  
Tim McNeese 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.

VINCENT J. GUERCIO

Vincent J. Guercio is originally from the Baltimore area and received his BChE degree from Catholic University in Washington. Following graduate work in chemistry at Princeton University, he worked for Mobil Oil, Lummus, Foster Wheeler and Celanese. He started independent consulting in 1971.

Mr. Guercio's consulting practice centers on assessing business opportunities and risks in petrochemicals, petroleum products and natural gas liquids (NGL). Ethylene feedstocks and coproducts are particular specialties with an emphasis on the interactions that occur at the business interfaces between petrochemicals, refining and NGL. He provides marketing, technical and economic advice to clients in the Americas, Europe, Asia and the Middle East.

YOU, INC.

Like most undertakings, one has to have touches of idiocy, stupidity and pretentiousness to start independent consulting; otherwise, you would never dare to begin. However with hard work and some luck, independent consulting, as an alternate to corporate life, can be rewarding both financially and psychologically. The chemical process industry hires technical and commercial consultants. It is interesting to note that knowledge of your field is not the most essential ingredient for independent consulting. Perseverance and self-discipline are helpful traits, but it is important that the independent consultant know how to effectively market himself and how to deal with people. The bottom line for the consultant is selling his ability and knowledge to clients.

CHEMISTRY IN MARYLAND

Chemists from some of Maryland's schools, industries, and government laboratories will describe their work and/or products informally in a poster session setting during the social hour. Where possible and appropriate, speakers will be accompanied by samples of hardware, primary data, etc. representative of that with which they work daily. For established chemists, this session will provide an opportunity to glimpse the diversity of the current Maryland endeavor. For high school and college students, it will help to answer the burning question, "But what does a real chemist do?" Among the participants are, for example, a quantum computational computer graphics chemist, a Zeolite catalysis chemist, and a number of vendors of computers and scientific equipment.

# FEBRUARY MEETING

DATE:

Wednesday, February 20, 1985

PLACE:

The College of Notre Dame  
of Maryland  
North Charles Street  
Baltimore

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



MR. VINCE GUERCIO

SCHEDULE:

- 5:30 Doyle Building Lounge  
Social Hour  
"Chemistry in Maryland"
- 7:30 Dinner
- 8:30 Knott Science Center  
Vince Guercio  
Consultant  
"You, Inc."

by February 11. Late reservations may be made by calling

John Corliss at (301) 235-6612 or Nolan Phillips at (301) 929-3500 x222

by February 15.

Dinner price \$11.00 per person, but spouses, retired chemists and students may attend for \$9.00.

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

## ANALYTE LABORATORIES, INC.

ACIDS - BASES

HAZARDOUS WASTE

301-747-3844

ANTIFREEZES

ANALYTICAL CHEMICAL  
SERVICES

ORGANIC SCREENS

BOILERS

PETROLEUM

6630 Baltimore Natl. Pike  
Route 40 West  
Baltimore, Maryland 21228

ENVIRONMENTAL

SOLVENTS



OMICRON TECHNOLOGY CORPORATION  
160 Sherman Ave.  
Berkeley Heights, N.J. 07922  
(201)665-9191

Advanced sorption system provides superior resolution and accuracy with short sample turn-around time.

- B.E.T. Surface Areas
- Pore Structure Analysis
- 200 to 500 Data Points per isotherm
- SEM, TGA and Mercury Porosimetry services available.
- Guaranteed 7 working days turn-around time or 50% discount

#### BOARD OF TRUSTEES, GROUPS INSURANCE PLANS FOR ACS MEMBERS

ACS group insurance plans are offered as a service to members and national affiliates. These plans provide a wide variety of coverages at low group rates.

For those joining the Society for the first time, the Board of Trustees offers \$15,000 of term life insurance and \$15,000 of accidental death and dismemberment (AD&D) coverage at no cost for one year.

The ACS presently offers term life insurance coverage up to \$250,000. Participants in this plan have such options as coverage for spouse and dependent children and Hospital Indemnity benefits. Hospital Indemnity pays \$30 per day for up to 365 days during hospital confinement. These benefits are in addition to other medical coverage.

High Limit Accidental Death & Dismemberment insurance is also available to members/national affiliates under age 70 covering any accident 24 hours a day up to \$200,000 in \$50,000 increments. Optional coverage for spouse and children is available.

The Disability Income Plan provides a means of support for the member and family in the event of disability from either accident or sickness. The amount of benefits depend upon one's salary and other disability insurance one may have (up to \$2,400 per month). The waiting period options range from 30 days to 365 days. Coverage is not affected by job change, and the plan includes a cost of living adjustment.

The ACS Professional Liability (malpractice) insurance is specifically designed to protect chemists and chemical engineers in the event of a challenge to their professional judgment. For an ACS member working in either academe or industry, the cost for maximum coverage (\$1,000,000) under this plan is \$37 annually.

In April of 1981, the Board of Trustees introduced the ACS Tax Deferred Retirement Annuity Program. Contributions made to this program accumulate interest tax free until withdrawal, ideally after retirement. The minimum contribution is \$100 with no limit to the number, frequency, or maximum amount of these contributions. Each quarter's contributions are guaranteed for three (3) years at the quoted interest rate. This program also includes an Individual Retirement Account (IRA).

The Insurance Trustees also sponsor a personal umbrella plan, including excess major medical coverage. This plan offers \$1,000,000 of protection against the financial impact of a personal lawsuit beyond the participant's primary auto, homeowner's, watercraft, and medical insurance, or in excess of the plan's \$100,000 deductibles.

The ACS group insurance plans are approved and overseen by a nine-member Board of Trustees. The Trustees are all ACS members who serve without pay by appointment of the Chairman of the ACS Board of Directors (with the exception of two *ex officio* positions from the Membership Affairs Committee).

These programs are offered solely for the benefit of the participants, and dues paid to the American Chemical Society are not used in any matter to support or promote the insurance plans.

For information on any of these insurance plans, please contact Ms. Debora J. Fillinich, ACS Group Insurance Plans, American Chemical Society, 1155 Sixteenth St., N.W., Washington, D.C. 20036, (202) 452-8911.

#### MARYLAND SECTION FUTURE PROGRAM

DATE AND LOCATION	SPEAKER	TOPIC
March 20, 1985 College of Notre Dame	Dr. Conkling Washington College	The Chemistry of Fireworks
	Dr. George Thyvelikakath Oral Roberts University	NMR Imaging in Detec- tion of Disease
April 17, 1985 U. S. Naval Academy	Joseph and Celia Bonaventura Duke U. Marine Lab	Hemosponge
May, 1985	Remsen Award	

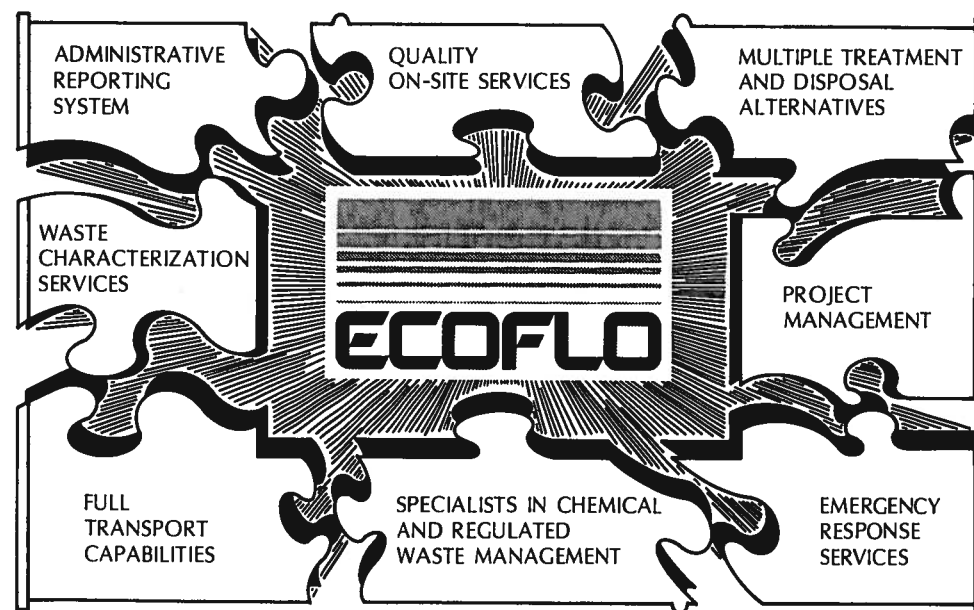
#### THE MERCK INDEX ONLINE

Chemical Information Systems, Inc., a wholly owned subsidiary of Fein-Marquart Associates, Inc., of York Road, has announced that *The Merck Index* is now a component of The Chemical Information System, the multi-database chemical information system operated by CIS, Inc.

The CIS is a commercial continuation of the former NIH/EPA CIS which terminated operations on 1 November 1984. Fein-Marquart Associates had developed the NIH/EPA system.

For further information contact CIS, Inc., 7215 York Road, Baltimore, Maryland 21212 (301) 321-8440.

## SOLUTIONS TO YOUR HAZARDOUS WASTE PUZZLE!



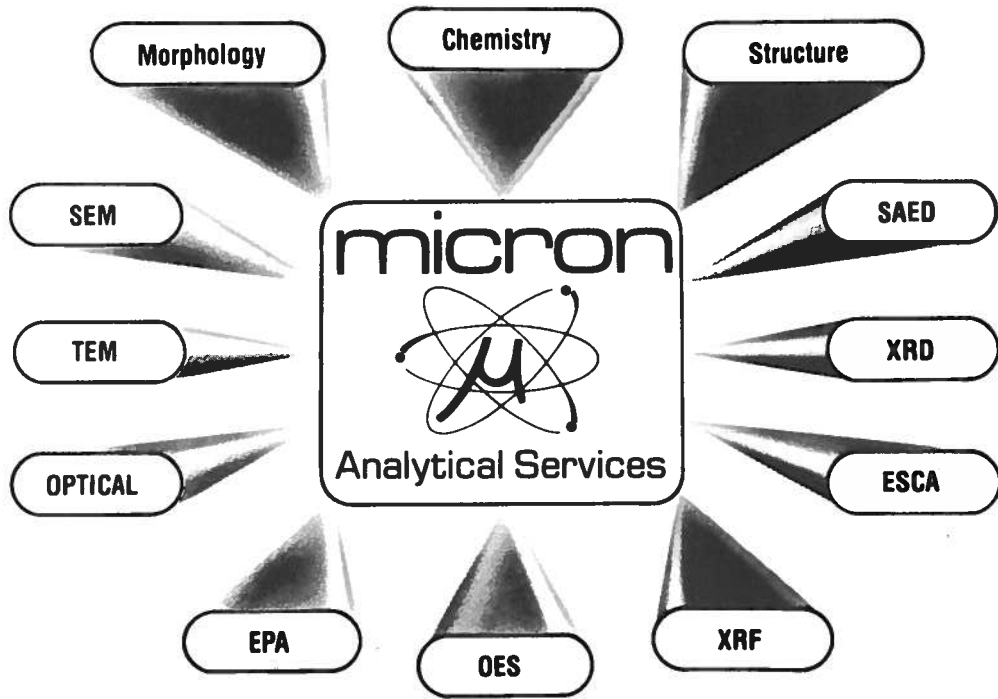
5801 Arbor Street  
Tuxedo, Maryland 20781  
(301) 773-9500

2750 Patterson Street  
Greensboro, North Carolina 27407  
(919) 855-7925

0117980X 02/85 ZR 301 1  
DR YALE HOWARD CAPLAN  
3411 PHILIPS DR  
PIKESVILLE MD 21208

Nonprofit Org.  
U. S. Postage  
PAID  
Baltimore, Md.  
Permit No. 2917

PLEASE DO NOT DELAY — DATED NOTICE INSIDE



3815 Lancaster Pike Wilmington, Delaware 19805  
(302) 998-1184