



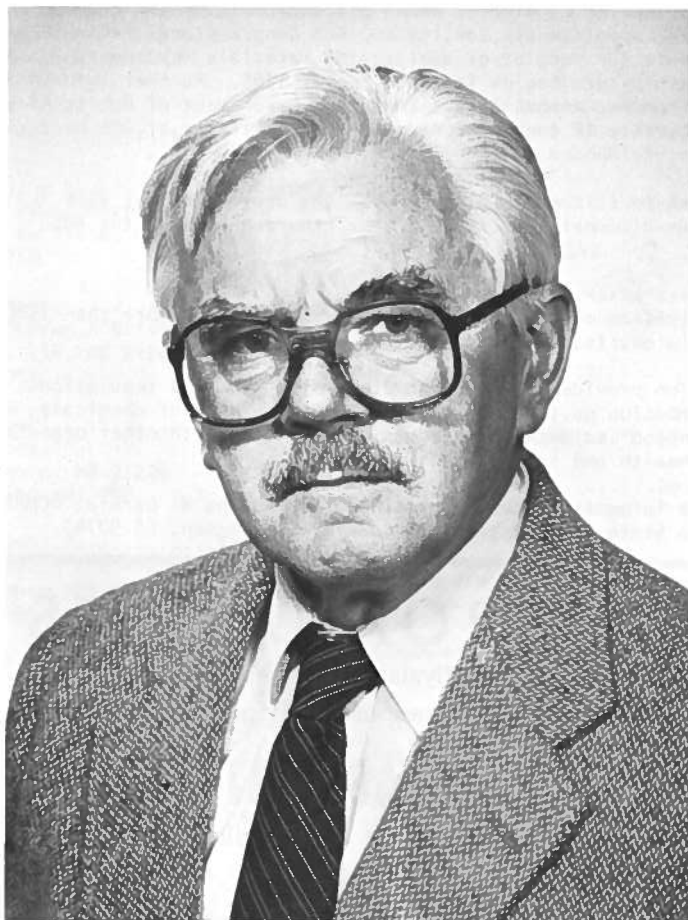
THE **CHESAPEAKE  
CHEMIST**

MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

VOL. XL

DECEMBER, 1984

NUMBER 9



*THE MARYLAND CHEMIST OF THE YEAR*

## MEMBERSHIP

For the past three months we have been conducting a concerted membership drive for ACS. In October we printed the ACS membership application form and suggested that there were nearly 1500 people in our area who were eligible for ACS membership but who were not members. Surely some of them are still waiting for you to come along to sign them up. With a new year approaching the time is right.

Speaking of the new year, you have probably all received your ACS dues statements by now and, as you are no doubt aware, it contains an item for local section dues. This is an assessment made by nearly all of the larger ACS local sections and, while it is voluntary, it is paid by nearly 70% of those ACS members who are so assessed.

The Maryland Section could survive without these local dues, perhaps supporting local monthly meetings and a monthly publication, but all other Section activities depend entirely on local dues for their support. We urge everyone to support Maryland Section activities by paying local dues.

### 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 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.

### DIVCHAS

The ACS Division of Chemical Health and Safety, with more than 1500 members and affiliates, is soliciting new members.

The Division provides a forum for discussing laws and regulations, disseminates information on the health-affecting properties of chemicals, encourages the exchange of scientific information and works with other organizations on chemical health and safety issues.

Membership information may be obtained from Eugene N. Garcia, DCHAS Secretary, California State University, Dominguez Hills, Carson, CA 90747.

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# THE CHESAPEAKE CHEMIST

VOL. XL

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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.

## THE MARYLAND CHEMIST OF THE YEAR

NICOLAS ZENKER

Nicolas Zenker was born in Paris, France in 1921 and he became a United States citizen in 1953. He received a Cd.Sc. in chemistry from the University of Louvain, Belgium in 1948, an M.A. in biochemistry from the University of California at Berkeley in 1953 and a Ph.D. in pharmaceutical chemistry from the University of California at San Francisco in 1958.

In 1960 Dr. Zenker joined the faculty of the University of Maryland's School of Pharmacy and in 1968 to 1969 he served as acting head of the School of Pharmacy's Department of Pharmaceutical Chemistry. From 1969 to 1979 he was professor and chairman of the Department of Medicinal Chemistry. With the merger of medicinal chemistry and pharmacognosy in 1979 he assumed his present position as Professor of Medicinal Chemistry in the Department of Medicinal Chemistry/Pharmacognosy.

Professor Zenker has authored over thirty publications in areas of organic chemistry, biochemistry, medicinal chemistry and pharmacology and has made a large number of presentations at a wide variety of professional meetings. He also holds five United States patents.

He is a member of the American Association of Clinical Chemistry, the American Association of Colleges of Pharmacy, the Society for Experimental Biology and Medicine and the ACS.

### DESIGN, PREPARATION AND BIOLOGICAL EFFECTS OF SOME THYROID HORMONE AND CATECHOLAMINE ANALOGS

Analogs of physiologically occurring molecules have been traditionally designed as probes of enzyme and receptor templates, rewarding us with biochemical information and at times with therapeutic agents.

Analog design relies upon classical replacement rules, steric and metabolic considerations and, occasionally, on serendipity. An analog made is a hypothesis which can only be tested in biological systems; in this context, testing becomes an integral part of medicinal chemistry.

These considerations will be illustrated by our efforts to produce analogs of thyroid hormones and of catecholamines.



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## THE MARYLAND CHEMIST AWARD

### DATE:

Wednesday, December 12, 1984

### PLACE:

Knott Science Center  
(cocktails and dinner in the  
Doyle Building dining room)  
The College of Notre Dame  
of Maryland  
North Charles Street  
Baltimore

### SPEAKER AND TOPIC:

THE MARYLAND CHEMIST  
AWARD ADDRESS  
8:15 pm  
Dr. Nicolas Zenker  
University of Maryland at  
Baltimore  
"Design, Preparation and Bio-  
logical Effects of Some Thy-  
roid Hormone and Catechol-  
amine Analogs"

### COCKTAILS AND DINNER:

Cocktails 6:30

Dinner 7:15

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

by December 3. Late reservations may be made by calling

John Corliss at (301) 235-6612 or  
Nolan Phillips at (301) 385-0159

by December 7.

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 lecture without attending the dinner.

### MARYLAND CHEMIST AWARD

The Maryland Chemist Award was established in 1962 to recognize and to honor, each year, a member of the Maryland Section for outstanding achievement in the field of chemistry. The achievement may be in pure or applied chemistry, chemical engineering or chemical education.

### Previous recipients have been:

1962	Dr. E. Emmet Reid	1973	Dr. Lester P. Kuhn
1963	Dr. W. Mansfield Clark	1974	Dr. Joyce J. Kaufman
1964	Dr. Alsoph H. Corwin	1975	Dr. Benjamin Witten
1965	Dr. John C. Krantz, Jr.	1976	Dr. Richard L. Hall
1966	Dr. Belle O. Talbot	1977	Dr. Henry C. Freimuth
1967	Dr. Walter S. Koski	1978	Dr. Gunther L. Eichorn
1968	Dr. George L. Braude	1979	Dr. Emil H. White
1969	Dr. Leslie Hellerman	1980	Dr. M. Gall Sanchez
1970	Dr. Paul H. Emmett	1981	Dr. Paul O. P. Ts'o
1971	Dr. Giles B. Cooke	1982	Dr. Joseph L. Katz
1972	Dr. Arnold M. Seligman	1983	Dr. Shih-Yi Wang

There will be no January meeting of the Maryland Section. Consequently, the January and February issues of *The Chesapeake Chemist* will be combined and will appear in early February. We wish everyone a happy holiday season.

#### DISTINGUISHED SERVICE AWARD

The Maryland Section's Distinguished Service Award for 1984 has been presented to Dr. Melvin Miller of Loyola College. Mel is a 1957 graduate of Loyola and holds M.A. and Ph.D. degrees from Princeton. He currently teaches physical chemistry at Loyola.

This award is presented annually, with pride and appreciation, to an outstanding member who has contributed much time, energy and talent to carry forward the programs of the Section over a span of years.

Mel Miller has served the Maryland Section in numerous capacities. He has been a member-at-large of the Executive Committee and a member of both the Remsen Award Committee and the Maryland Chemist Award Committee. He has been alternate councilor and an editor of *The Chesapeake Chemist*. He has served as secretary, chairman-elect, program chairman and, in 1980, chairman of the Maryland Section.

With this award, the Maryland Section acknowledges, with thanks, these years of distinguished service.

#### CENTRAL REGIONAL MEETING

The Akron Section invites participation in the 17th Central Regional Meeting to be held June 5 - 7, 1985 at the University of Akron. Information may be obtained from James F. Beecher, GenCorp Research Center, 2990 Gilchrist Road, Akron, Ohio 44305; telephone (216) 798-4296.

#### NINETEENTH MARM - CALL FOR PAPERS

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.

Abstracts of papers are due January 15, 1985. Send an original (on the ACS abstract form) and two copies to Dr. Barbara T. Reagor, 19th MARM, P.O. Box 517, Red Bank, New Jersey 07701; telephone (201) 949-2868.

The twenty-six special symposia will include sessions on atmospheric chemistry, biotechnology, environmental chemistry, flavors and fragrances, polymer chemistry and public affairs, among others.

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#### MARYLAND SECTION FUTURE PROGRAM

DATE AND LOCATION	SPEAKER	TOPIC
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	

#### PITTSBURGH CONFERENCE

The 36th Pittsburgh Conference and Exposition on Analytical Chemistry and Applied Spectroscopy will be held February 25 through March 1, 1985 in New Orleans.

The 1984 conference attracted 24,648 conferees and 610 exhibitors. The technical program consisted of 1,013 papers and 94 symposia. Several symposia have already been arranged for the 1985 conference, including five awards symposia.

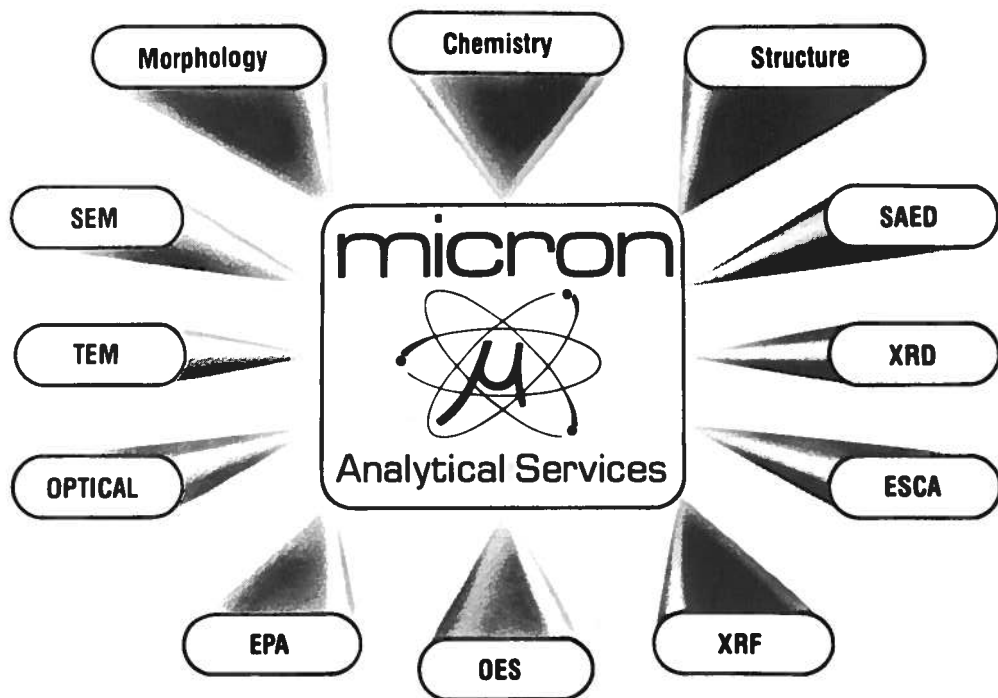
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