



THE

CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. XL

MAY, 1984

NUMBER 5

1984 REMSEN AWARD



EARL L. MUETTERTIES

THE EDITOR NOTES

This month's meeting concludes our current lecture series. Thanks to Nolan Phillips for a very popular group of lectures, though we must note with sadness that both our Maryland Chemist of the Year and Remsen Awardee passed away prior to the award meetings. Better luck to Harold Klapper with next season's program.

JOHNS HOPKINS CHEMISTRY COLLOQUIA

Colloquia are held at 4:15 PM in Remsen Hall 221 on the Homewood Campus of the Johns Hopkins University. Refreshments are served at 4:00 PM.

Date	Speaker and Affiliation	Title or Field
May 8, 1984 Tuesday	Professor Glenn D. Prestwich Department of Chemistry State U. of N.Y. at Stony Brook	"Bioorganic Chemistry of Insects: Novel inhibitors and Probes for Hormone and Pheromone Metabolism"
May 9, 1984 Wednesday	Professor Philip D. Magnus Department of Chemistry Indiana University Bloomington	Fields of Interest: Organic Synthesis Silicon Chemistry

HPLC SYMPOSIUM IN BALTIMORE

Abstracts are now being solicited for the Fourth International Symposium on High Performance Liquid Chromatography of Proteins, Peptides and Polynucleotides; these must be submitted by August 1, 1984. The symposium will be held December 10-12 at the Hyatt Regency Hotel in Baltimore.

Abstract forms may be obtained from the symposium manager, Ms. Shirley Schlessinger, Fourth International Symposium on HPLC of Proteins, Peptides and Polynucleotides, 400 East Randolph, Chicago, IL 60601; (312) 527-2011.

FACSS ANNUAL MEETING

The eleventh annual meeting of the Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) will be held September 16-21, 1984 at the Philadelphia Marriott Hotel in Philadelphia.



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THE 39th REMSEN AWARD

EARL L. MUETTERTIES

Earl L. Muetterties was born in Elgin, Illinois in 1927. He died January 12, 1984. He received his B.S. from Northwestern University and the A.M. and Ph.D. degrees from Harvard. He was elected to Sigma Xi, Phi Beta Kappa, Phi Eta Sigma and Phi Lambda Mu.

In 1952 he was employed by duPont's Central Research Department where he was Associate Director of Research from 1965 to 1973. He was a Professor of chemistry at Cornell from 1973 to 1978 and at the University of California at Berkeley from 1978 to 1984. He has published over 250 papers in scientific journals and was inventor or co-inventor of about 50 U.S. patents and a like number of foreign patents.

Professor Muetterties has served on the editorial boards of numerous journals, including the *Journal of the American Chemical Society*, and on national and international committees, including the NSF Advisory Panel for Chemistry. He has also held numerous invited lectureships. He was a member of ACS, AAAS, the American Physical Society, the Chemical Society of London and the National Academy of Sciences. In 1968 he was Chairman of the ACS Division of Inorganic Chemistry.

Among his awards are the ACS Award in Inorganic Chemistry (1965), the ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry (1979), the John C. Bailar Medal (1976) and the Edgar Fahs Smith Award of the ACS Philadelphia Section (1981).

PATRICIA L. WATSON

Patricia L. Watson, a native of Australia, received her B.S. degree from the Australian National University. She worked with Dr. Muetterties at Cornell where she received her Ph.D. in 1977. Following a term as a Post-Doctoral Fellow with Professor Bergman at the California Institute of Technology, she joined duPont's Central Research Department in 1979.

Dr. Watson's areas of interest include organo-metallic chemistry of lanthanide metals, reaction mechanisms and catalytic reactions of organo-metallic compounds.

ABSTRACT OF DR. WATSON'S LECTURE

Heterogeneous materials are most commonly catalysts for both commercial and academic purposes, but studying the detailed chemistry - ligand effects, substrate bindings, types of intermediates - is technically difficult. Muetterties strongly advocated multi-metal "cluster" complexes as chemical models for extended surfaces, and in his last six years worked simultaneously in the areas of surface science, cluster chemistry and mono-nuclear transition metal organometallics. Versatility was a key observable in Muetterties's career. His early classic work in polyhedral boranes was followed by a strong interest in transition metal hydrides, dynamic molecular processes (polytopal rearrangements) and the chemistry of transition metal-phosphine particularly with respect to catalysis.

CHANGES OF ADDRESS

It is not necessary to notify *The Chesapeake Chemist* of address changes. We obtain our mailing labels each month from the ACS, so you need only inform the ACS of your address change and we will automatically receive labels with your new address.

THE 39th REMSEN LECTURE

DATE & TIME:

Wednesday, May 16, 1984
8:00 pm

PLACE:

Remsen Hall, Room 101
Homewood Campus of
The Johns Hopkins University

SPEAKER:

Dr. Patricia L. Watson
E.I. duPont de Nemours & Co.
on the work of
Earl L. Muetterties

COCKTAILS & DINNER:

The Johns Hopkins University
Glass Pavilion

Cocktails: 6:00 pm
Dinner: 6:30 pm

Dinner \$11.00 per person, except
retired chemists and students may
attend the dinner for \$9.00

Social Hour sponsored by Fisher
Scientific; buffet dinner will
include fried scallops and
steamship round of beef.



DR. PATRICIA L. WATSON

Dinner reservations are necessary and
should be made by mailing checks to

Nolan Phillips
J. M. Huber Corp.
P.O. Box 310
Havre de Grace, MD 21078

by May 7. Checks should be payable
to Maryland Section of ACS. Late
reservations may be made by calling
Cheryl Manger (x358) or Linh Cheong
(x208) at

(301) 355-3600

by May 10.

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

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THE REMSEN AWARD

The annual Remsen Memorial Lectures were inaugurated in May, 1946 by the Maryland Section of the ACS to honor Ira Remsen, first Professor of Chemistry and second President of the Johns Hopkins University. The Remsen Memorial Lectures are chemists of outstanding achievement, in keeping with Ira Remsen's long and devoted career as an exponent of the highest standards in teaching and research in chemistry.

Previous Remsen Award winners were:

1983 George M. Whitesides	1964 Paul D. Bartlett
1982 Harden McConnell	1963 Harold C. Urey
1981 Koji Nakanishi	1962 George Porter
1980 Roald Hoffman	1961 Herbert C. Brown
1979 Harry B. Gray	1960 Henry Eyring
1978 John Charles Polanyi	1959 Edward Teller
1977 Ronald Breslow	1958 Robert B. Woodward
1976 William N. Lipscomb, Jr.	1957 Melvin Calvin
1975 Henry Taube	1956 Farrington Daniels
1974 Elias J. Corey	1955 Willard F. Libby
1973 Frank H. Westheimer	1954 Vincent du Vigneaud
1972 Charles H. Townes	1953 Edward L. Tatum
1971 George C. Pimentel	1952 W. Mansfield Clark
1970 George S. Hammond	1951 Hugh S. Taylor
1969 Albert L. Lehninger	1950 Edward C. Kendall
1968 Har G. Khorana	1949 Joel H. Hildebrand
1967 Marshall W. Nirenberg	1948 Elmer V. McCollum
1966 Paul H. Emmett	1947 Samuel C. Lind
1965 James R. Arnold	1946 Roger Adams

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CHEMISTRY COURSE OFFERINGS



SUMMER 1984

JUNE 6 TO JULY 12

CHEM. 1905.350 PRINCIPLES OF BIOCHEMISTRY (5 credits)

Meets: M Tu W Th F 8:00 a.m. - 12:50 p.m.

Instructor: Dr. Richard S. Preisler, Department of Chemistry, Towson State University

FALL 1984

AUGUST 29 TO DECEMBER 11

QUANTITATIVE ANALYTICAL CHEMISTRY. We plan to offer this course in two parts, the first half in the fall 1984 and the second half in spring 1985. Students taking both parts will receive credit for the present 1905.211 which is required for the Chemistry major. Pending approval by the University, the first half will be offered as follows:

Lecture: W 7 - 8:30 p.m.

Laboratory: M 7 - 9:50 p.m.

Instructor: Dr. Joseph J. Topping.

Please call the Department at 321-3058 for further information.

**CHEM 1905.342 PHYSICAL CHEMISTRY LECTURE --
STRUCTURE AND KINETICS (3 credits)**

Meets: Th 7 - 9:50 p.m.

CHEM 1905.343 PHYSICAL CHEMISTRY LABORATORY I (2 credits)

Meets: Tu 6 - 9:50 p.m.

Instructor: Dr. Nordulf W. G. Debye, Department of Chemistry, Towson State University

CHEM 1905.363 CHEMISTRY OF DANGEROUS DRUGS (3 credits)

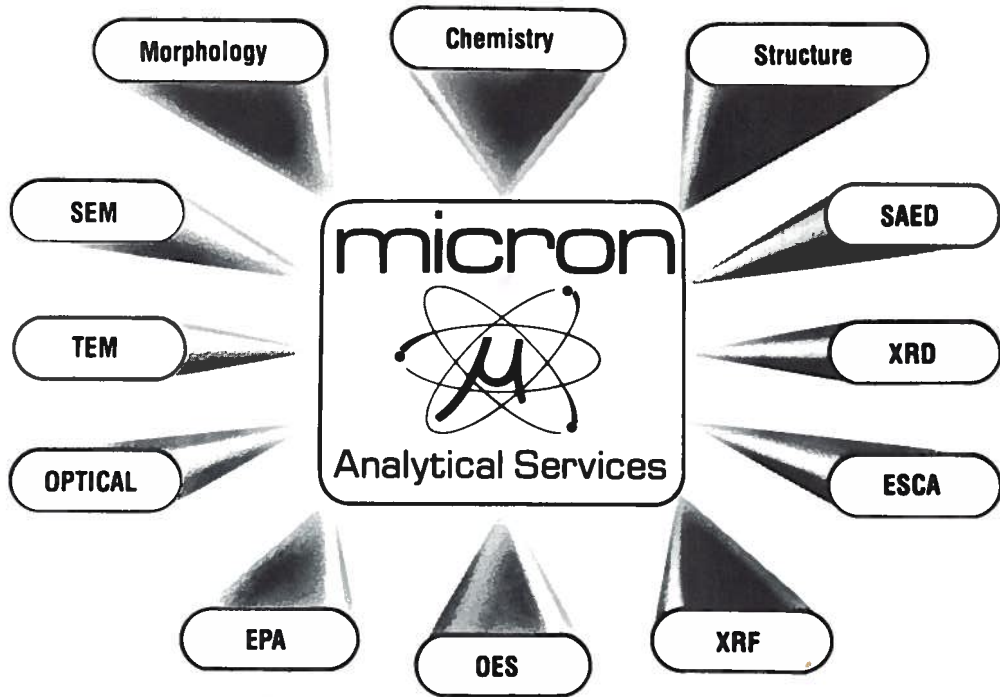
Meets: W 6:30 - 9:20 p.m.

Instructor: Professor Frank R. Milio, Department of Chemistry, Towson State University

**For Course Information, Call (301) 321-3058
For Registration Information, Call (301) 321-2022**

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