



THE CHESAPEAKE CHEMIST

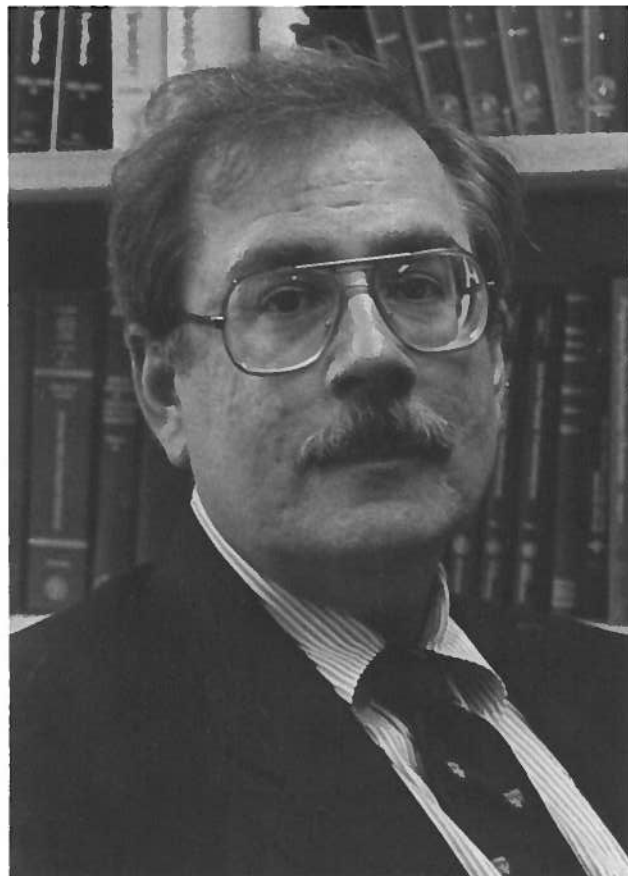
MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. LII

MAY, 1996

NUMBER 5

1996 REMSEN AWARD



DAVID EVANS



Villanova University and the Philadelphia Section ACS
seeks your participation in the

30th Middle Atlantic Regional Meeting

May 22 - May 24, 1996

Villanova University

Dr. Robert Giuliano, General Chair
Dr. Anthony W. Addison, Program Chair

MARM 96 Technical Program:

General Sessions in Analytical, Inorganic, Organic, Biological & Physical Chemistry

- Education in Chemistry • Capillary Zone Electrophoresis
- Biological Mass Spectrometry • Student Chromatography Forum
- Surfing the Internet • Environmental Analysis

Symposia

- Advances in Process Chemistry • Solid State Symposium
- Symposium on Catalysis with Inorganic Materials • Carbohydrate Chemistry
- Carothers Symposium on Polymer Architecture and New Synthetic Methods

Meeting will also include:

- Employment Clearinghouse • Exposition • Student Programs • Poster Sessions
- Student Affiliates Program • Younger Chemists' Committee

Come to the historical region where America began!!



ALICE ZEIGER presents a memento of his visit to EDWARD I. SOLOMON, the Remsen Laureate of 1994.



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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 51st REMSEN AWARDEE

DAVID EVANS

David Evans was born in Washington, DC in 1941. He received his A.B. degree from Oberlin College in 1963 and his Ph.D. from the California Institute of Technology in 1967. In that year he joined the faculty at The University of California, Los Angeles. In 1973 he was promoted to the rank of Full Professor and shortly thereafter returned to Caltech where he remained until 1983. In 1983 he moved to Harvard University, and in 1990 was named the Abbot and James Lawrence Professor of Chemistry. In July of 1995 he assumed the chairmanship of the Harvard Chemistry Department.

Professor Evans' interests are focused in the area of organic synthesis. His laboratory is engaged both in the development of new stereoselective reactions and asymmetric synthesis methodology and the application of these concepts to the synthesis of a range of targets of biological significance. Some of the current synthesis projects include the asymmetric synthesis of antibiotics, macrolides, and peptide-derived chemotherapeutic agents. The Evans laboratory is also engaged in the discovery and development of enantioselective catalysts for numerous reactions such as cyclopropanation, axiridination, and aldol addition.

Professor Evans is a recipient of a Camille and Henry Dreyfus Teacher-Scholar Award (1971), an A.P. Sloan Fellowship (1972), Distinguished Teaching Award, UCLA (1973), The American Chemical Society Award for Creative Work in Synthetic Organic Chemistry (1982), The Arthur C. Cope Scholar Award (1988) and the ACS Remsen Award (1996). He was elected to the National Academy of Sciences in 1984, the American Academy of Arts and Sciences in 1988, and named as Fellow to the American Association for the Advancement of Science in 1992. For fifteen years he was a consultant with Eli Lilly Co., since 1989 a consultant for Merck Sharp and Dohme, since 1994 for DuPont-Merck Co., and since 1994 for Oxford Asymmetry Ltd., England. He is also on the Advisory Boards of *Tetrahedron*, *Tetrahedron Letters*, and *Chemical Reviews*.

ENANTIOSELECTIVE CARBON-CARBON BOND FORMING REACTIONS

This lecture will address the progress that is being made in the design of chiral cationic Cu(II) Lewis acid complexes for catalysis of the Diels-Alder and aldol reactions. Both cycloaddition and aldol processes may now be efficiently catalyzed with enantioselectivities in excess of 90%. Issues pertaining to the structure of the catalyst-substrate complexes, the problems of product inhibition, and reaction scope for these reactions will be surveyed.

AUDIO TRAINING KITS

The Maryland Section has a small selection of ACS audio training kits for loan. These are high quality kits on the following topics:

Statistics for Chemists
Infrared Spectroscopy
Scientific German
C-13 NMR Spectroscopy

Each can be borrowed for up to one month for a small handling charge to pay for postage and insurance.

Other topics may be added in the future, depending on demand.

Contact Dr. Shirish Shah at the College of Notre Dame, phone (410) 532-5712.

THE 51st REMSEN AWARD

DATE:

Wednesday, May 15, 1996

PLACE:

Remsen Hall, Room 101
Homewood Campus
The Johns Hopkins University

SPEAKER AND TOPIC:

8:00 pm
THE REMSEN MEMORIAL LECTURE
David Evans
Harvard University
"Enantioselective Carbon-Carbon
Bond Forming Reactions"

Dinner price is \$16.00 per person,
but spouses and retired chemists
may attend for \$14.00; students
may attend for \$8.00.

DINNER:

The Johns Hopkins University
Glass Pavilion
Social Hour 6:00 pm
Dinner 7:00 pm

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 May 8. Late reservations may
be made by calling

(410) 532-5712

by May 10. An answering machine
is available at this number.

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

DEMONSTRATORS WANTED

Have you given a chemistry demonstration to a local pre-college school? We would like to know you. The Section is trying to locate demonstrators for organizing a group. Please contact Mike Zapf, 410-771-7471.

YOU ASKED FOR IT...

The ACS Job Bank is a service exclusively for ACS members that provides listings of jobs available in the chemical professions. It includes:

Classified and display ads (positions open and situations wanted) from the two most recent issues of C&EN;

Chememployment, which abstracts ads from more than 40 newspapers nationwide for chemists, chemical engineers, biochemists, chemical technicians, and materials scientists;

Links to other on-line job banks;

World Wide Web pages of major companies; and

The ACS calendar of career service programs, including national and regional employment clearing houses.

The Job Bank url is <http://pubs.acs.org>. Note that you must have your membership number handy when you access the Job Bank. ACS cannot download Job Bank information for you. Any questions or comments you may have should be directed to Luis Carrillo by sending him e-mail to career@acs.org, or by calling him at 800/227-5558 (press, 9, 3, 1).

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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 Lecturers 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

1995	Alfred G. Redfield	1970	George S. Hammond
1994	Edward I. Solomon	1969	Albert L. Lehninger
1993	Christopher T. Walsh	1968	Har G. Khorana
1992	William Klemperer	1967	Marshall W. Nirenberg
1991	Rudolph A. Marcus	1966	Paul H. Emmett
1990	Robert G. Bergman	1965	James R. Arnold
1989	K. Barry Sharpless	1964	Paul D. Bartlett
1988	Mildred Cohn	1963	Harold C. Urey
1987	Stephen J. Lippard	1962	George Porter
1986	Gilbert Stork	1961	Herbert C. Brown
1985	Richard N. Zare	1960	Henry Eyring
1984	Earl L. Muetterties	1959	Edward Teller
1983	George M. Whitesides	1958	Robert B. Woodward
1982	Harden McConnell	1957	Melvin Calvin
1981	Koji Nakanishi	1956	Farrington Daniels
1980	Roald Hoffman	1955	Willard F. Libby
1979	Harry B. Gray	1954	Vincent du Vigneaud
1978	John Charles Polanyi	1953	Edward L. Tatum
1977	Ronald Breslow	1952	W. Mansfield Clark
1976	William N. Lipsomb, Jr.	1951	Hugh S. Taylor
1975	Henry Taube	1950	Edward C. Kendall
1974	Elias J. Corey	1949	Joel H. Hildebrand
1973	Frank H. Westheimer	1948	Elmer V. McCollom
1972	Charles H. Townes	1947	Samuel C. Lind
1971	George C. Pimentel	1946	Roger Adams

REMSSEN AWARD NOMINATIONS

Please send nominations for the Remsen Award to one of the following members of the Remsen Award Selection Committee. The nomination should be accompanied by a curriculum vitae and publication list of the nominee, as well as any other information that will help the Selection Committee.

REMSSEN AWARD SELECTION COMMITTEE

Timothy J. McNeese, Chairman	David E. Draper
Department of Chemistry	Department of Chemistry
Loyola College	Johns Hopkins University
4501 North Charles Street	Charles and 34th Streets
Baltimore, MD 21210	Baltimore, MD 21218
(410) 617-2237	(410) 516-7432

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 DM1@BFD on Bitnet.

While you are planning your summer vacation ...



... the women and men of EAS are already planning for Fall!



Real Solutions
to
Real Problems
for
Real People

The next issue of *The EAS Retort* newsletter will reach those on our mailing list in early July. There they will find information about an expected 600 technical papers (in 60 invited and 30 contributed Technical Sessions), 25 EAS Short Courses, 30 EAS Workshops, 15 EAS Tutorials, 5 EAS Seminars, Housing information, a Registration form, a listing of the Exhibitors which will occupy 325 booths, and much, much more! In 1996, the advance Registration fee will be a low \$65.

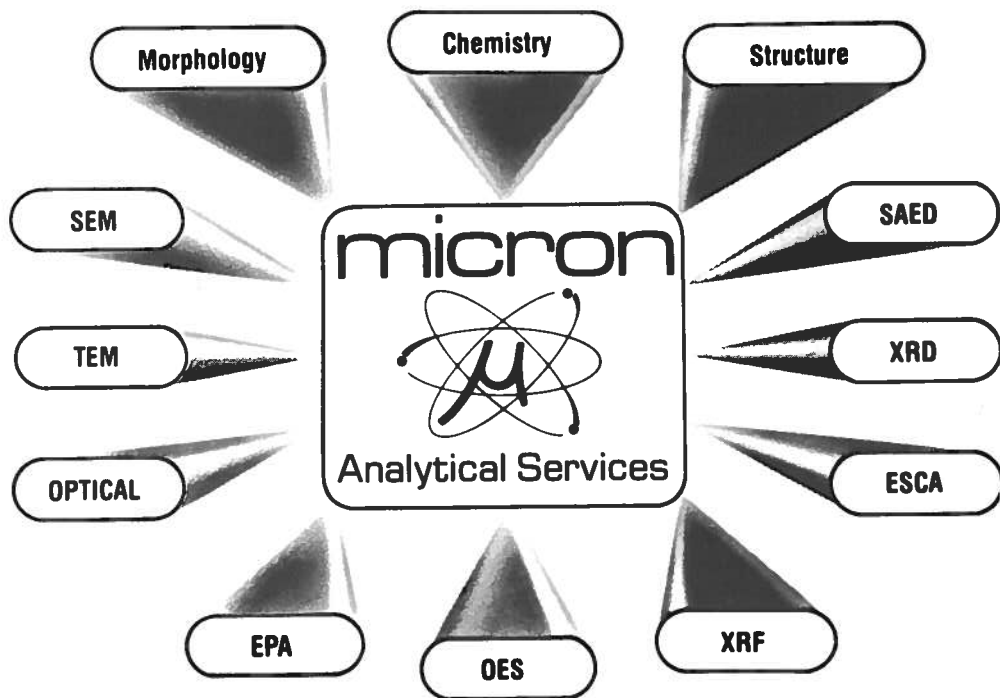
What? You aren't already on our mailing list? You say you simply can't wait to find out more about the 1996 EAS? Don't despair, more information is available now! Contact: the EAS HOTLINE at 1-302-738-6218, the EAS FAXLINE at 1-302-738-5275, request information via e-mail to EASINFO@AOL.COM, or set your Web browser to view our Home Page at <http://www.eas.org/~easweb/>

EAS FACTS IN BRIEF: EAS is a non-profit [501(c)(3)] scientific organization run totally by volunteer scientists. The 1995 EAS attracted almost 4800 attendees and included 467 Technical Papers, 7 CONFERENCES-IN-MINIATURE, 23 EAS Short Courses, 27 EAS Exhibitor Workshops, 5 Seminars, 8 Tutorials, and 301 exhibit booths. EAS is proudly sponsored by the Analytical Division and the North Jersey and New York Sections of the American Chemical Society; the American Microchemical Society; the Chromatography Forum of Delaware Valley; the New York Microscopical Society; and the Delaware Valley, New England, and New York Sections of the Society for Applied Spectroscopy.

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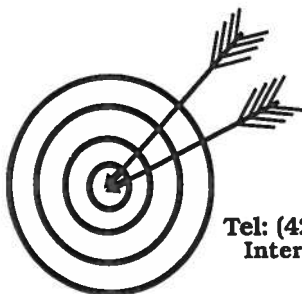
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