



THE

CHESAPEAKE CHEMIST

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. II

OCTOBER, 1993

NUMBER 7

W. R. GRACE & CO. AWARD



D. BRUCE MERRIFIELD

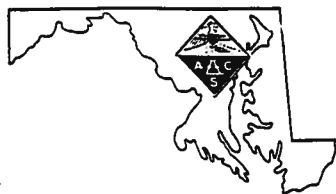
ANNOUNCEMENT AND CALL FOR PAPERS

The *Maryland Section of the American Chemical Society* seeks your participation in

The 28th Middle Atlantic Regional Meeting.

The Baltimore MARM is scheduled for May 25-27, 1994
on the campus of The University of Maryland Baltimore County.

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Papers in all areas of chemistry will be considered. Specify whether oral or poster presentation is desired. Use the standard ACS abstract form (12 point courier font). The original and 3 copies must be received no later than **February 1, 1994**. Send to:

Dr. Dale Whalen
University of Maryland Baltimore County
5401 Wilkens Avenue
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The XXVIIIth MARM It will be SUPER!
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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.

D. BRUCE MERRIFIELD

Dr. D. Bruce Merrifield is a graduate of Princeton University and holds Masters and Doctoral degrees in Physical Organic Chemistry from the University of Chicago.

Dr. Merrifield has since been in research, research administration and new venture management, and during the Reagan Administration was Assistant Secretary of Commerce for Productivity, Technology and Innovation. Currently, he holds the Walter Bladstrom Chair for Professor of Management at the University of Pennsylvania Wharton School of Business. He also is a consultant for the American Electronics Association and has been active with the Greater Minnesota Corporation. He is a Director of a number of companies, and formerly, was Vice President of Technology and Venture Management for the Continental Group.

At Commerce, Dr. Merrifield's office has spearheaded landmark legislation to modify the antitrust laws (the Cooperative R&D Act of 1984) and the Technology Transfer Acts of 1984 and 1986. The office has developed the R&D Limited Partnership concept and has catalyzed the formation of more than 100 cooperative R&D consortia, involving over 1000 companies, and many innovation centers or incubators in many states and local communities. In addition, his office initiated the Quality-Productivity Award, (later renamed the Baldrige Award), the National Technology Medal, and the program of small business shared "Flexible Computer Integrated Manufacturing Centers."

He is a former Director and president-elect of the Industrial Research Institute, and is both a former Trustee of the American Management Association and Chairman of its Research Council. Currently, he is a member of the Directors of Industrial Research, a member of Sigma XI Honorary Society, and is a Fellow of both the American Association for Advancement of Science and of the Institute of Chemists.

Dr. Merrifield is a past member of the Advisory Board for the Binational Research and Development Foundation with Israel and is a current member of similar boards with India and France. He has served as Science Advisor to the Jordanian government and as a member of the Visiting Committee for Research at MIT and at Boston University.

ABSTRACT OF ADDRESS

An accelerating pace of basic research discoveries over the last decade has generated some two dozen "critical technologies" that will dominate the 21st century and restructure most industries. The current highly visible downsizing and restructuring of major corporations is driven by this historically unprecedented phenomenon, which already has collapsed product and process life cycles to just a few years in many business areas.

As a result, any organization not involved in a process of continuous intrapreneurial renewal, likely has made an unintentional decision no longer to survive. Renewal, however, means not only incremental improvements in existing operations, but also sustained investments in "next-generation" systems deliberately designed to obsolete current operations before a competitor will do so.

Unfortunately, the management systems, incentives, and task force (concurrent engineering) structures, needed to mobilize always latent intrapreneurial initiatives, rarely are in place. Increasingly, these systems will require strategic alliances that can access time-critical resources as needed. Those organizations that can master the management disciplines required for strategic alliances likely will prosper.

OCTOBER MEETING

DATE & PLACE:

Wednesday, October 27, 1993
W. R. Grace Research Center
Clarksville, Maryland

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

Dr. Stephen M. Gregory
College of Notre Dame
4701 North Charles Street
Baltimore, MD 21210

SCHEDULE:

6:30 Social Hour

7:30 Dinner

8:30 THE W. R. GRACE & CO.
AWARD ADDRESS

D. BRUCE MERRIFIELD
Univ. of Pennsylvania

Former Assistant Secretary of
Commerce for Productivity,
Technology and Innovation

by October 20. Late reservations may be made by calling

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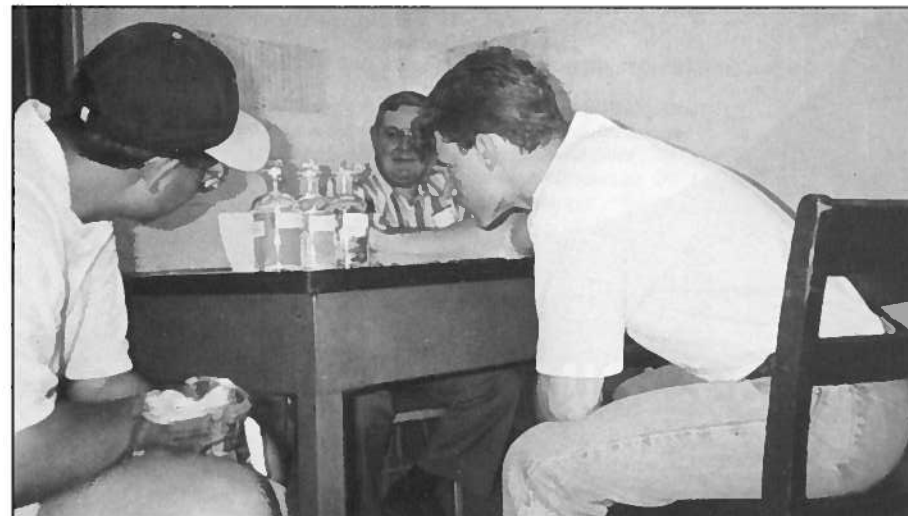
by October 22; an answering machine is available at this number.

Dinner price is \$17.00 per person, but spouses and retired chemists may attend for \$15.00; students may attend for \$8.50.

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

DIRECTIONS:

From I-95 take Route 32 west for about five miles (this takes you past Route 29). At second traffic light (flashing yellow after 6:00 pm) turn right into Grace driveway. After stopping at guardhouse, park in front of building 1 (first building on right) or on far side of building 25 (second building on right). Meeting will be in building 1.



Two students are shown at the Ninth Annual Chemathon at College Park. They are performing the "Bionic Eye" experiment in which they are challenged to use their eyes to determine the concentration of a solution bracketed by solutions of two other concentrations.

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November 20-24, 1993: MATERIALS TECHNOLOGY FOR COMPETITIVE ADVANTAGE

Organized by: Judith L. Benham
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Location: The Don CeSar, A Registry Resort, St. Petersburg Beach, FL

Sponsored by: The ACS Division of Polymer Chemistry, Inc.

The workshop will gather leading academic, government, and industrial scientists and management to focus on communication and mutual understanding of three critical research and technology areas leading to competitive advantage: Adhesives/Adhesion; Biomaterials; and Electronic, Photonic and Optical Materials.

ELECTION OF OFFICERS

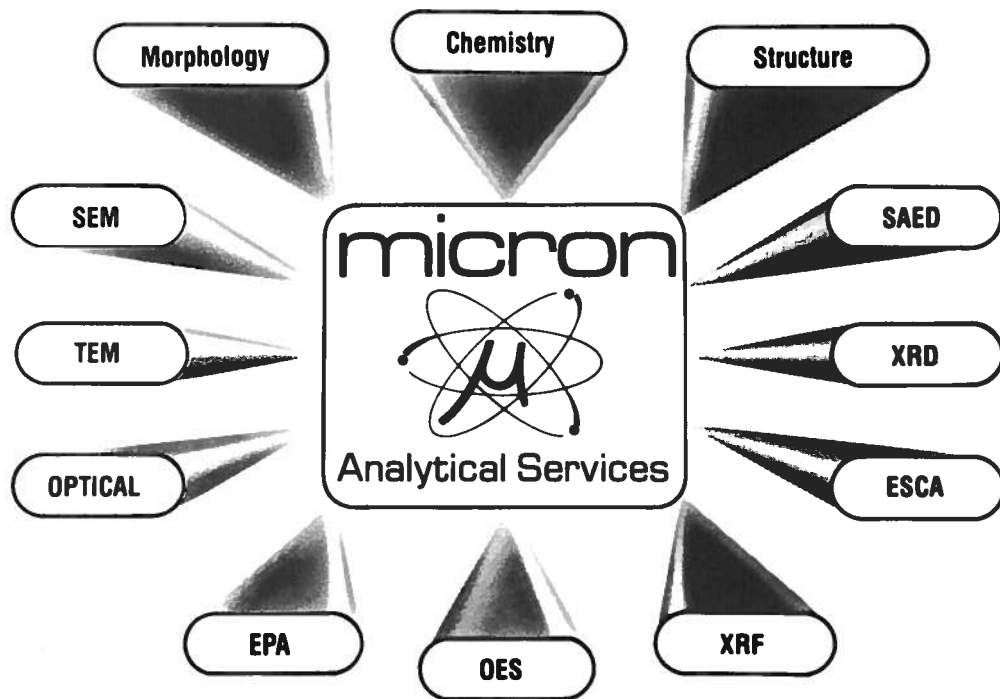
Please complete the following ballot for the election of the 1994 officers, councilors, alternate councilors and members-at-large of the Executive Committee of the Section and mail it to Alice Zeiger, Center for Indoor Air Research, 1099 Winterson Road, Suite 280, Linthicum, MD 21090. Please sign the envelope, but not the ballot itself, so that membership can be verified.

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(vote for two)	Elwin Penski	_____
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	George Herold	_____
	Donald Hoster	_____
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