



THE **CHESAPEAKE
CHEMIST**

MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

VOL. XLII

MARCH, 1986

NUMBER 3



MARVIN FRIBUSH



HENRY BENT



Spring Semester Colloquium Schedule 1986

Colloquia are held at 4:15 pm (unless otherwise noted) in Remsen Hall room 221 on the Homewood Campus of The Johns Hopkins University. Refreshments are served before each colloquium at 4:00 pm.

<i>Day and Date</i>	<i>Speaker and Affiliation</i>	<i>Title</i>
Tuesday March 11, 1986	Professor John T. Groves Department of Chemistry Princeton University Princeton, New Jersey	"Molecular Probes of the Mechanism of Cytochrome P-450"
Tuesday March 18, 1986	Professor Alfred G. Redfield Department of Biochemistry Brandeis University Waltham, Massachusetts	"Use of Isotope Labels Together with Proton Nuclear Overhauser Effect for Structural Studies of Larger Biopolymers"
Tuesday April 1, 1986	Professor Robert W. Zwanzig Institute for Physical Science and Technology University of Maryland College Park, Maryland	"From Classical Dynamics to Diffusion"



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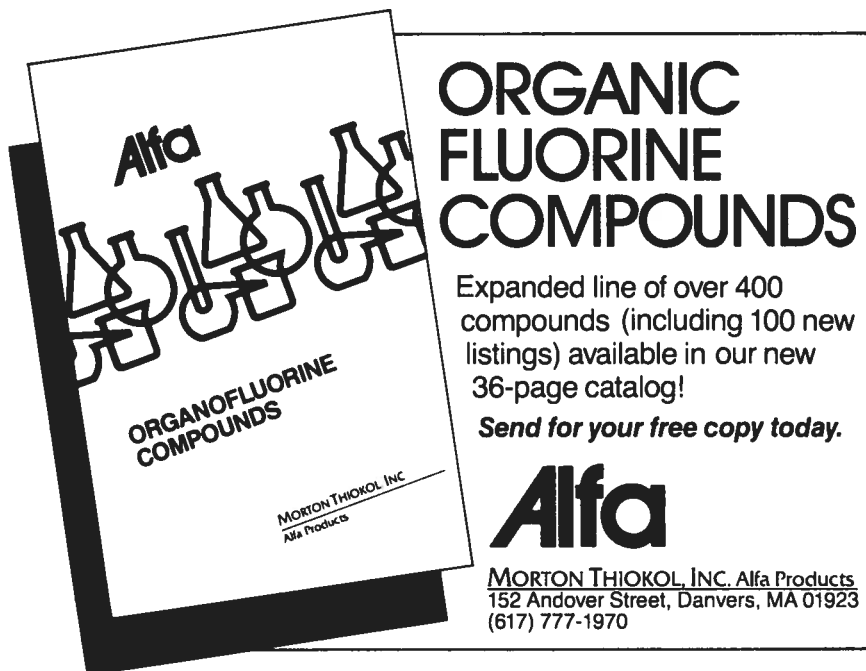
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MARVIN M. FRIBUSH

Marvin Fribush is a senior vice president of Paine Webber and has been in the investment field since 1971. Having completed courses in investments, insurance tax shelters, estate planning and other areas, he became a certified financial planner in 1980.

He is the fixed income coordinator of the Baltimore office acting as liaison on municipal and corporate bonds, GNMA's and other income related investments. He also has extensive experience with equities, options, tax favored investments and retirement products such as IRA and Keogh plans.

INVESTMENTS FOR RETIREMENT AND GROWTH

Mr. Fribush will discuss strategies for making your hard-earned dollars work even harder for you.

HENRY A. BENT

Henry A. Bent was born in Cambridge, Massachusetts. He attended the University of Missouri, graduated from Oberlin College and received a Ph.D. in physical chemistry from the University of California, Berkeley, in 1952. He taught at the Universities of Connecticut and Minnesota prior to becoming a professor at North Carolina State University in 1969.

His professional interests have included: kinetics of thermal decomposition; permeability of polymers to solvents; combustion of solid rocket propellants; infrared spectra of gases at high pressures; hybridization and bond properties; localized molecular orbitals and electronic structures; environmental problems; history of chemistry; and chemical education. He is the author of *The Second Law: An Introduction to Classical and Statistical Thermodynamics* and an ACS audio course on *Chemical Thermodynamics*.

He received a Manufacturing Chemists Award in College Chemistry Teaching, the ACS Union Carbide Award in Chemical Education and the James Flack Norris Award in Chemical Education. He is a fellow of the AAAS, a member of Phi Beta Kappa, a past chairman of the ACS Division of Chemical Education and was chairman of the ACS Committee on Professional Training from 1983-86.

OPPORTUNITIES - AND BLUNDERS - IN EDUCATION IN CHEMISTRY

I come to praise education in chemistry for what it could be and to criticize it for what it has been.

Education in chemistry could be the best vehicle there is for acquiring a liberal education and an understanding of the bottom line of life and civilization. Instead, general chemistry, particularly, has been a nightmare for many students - to the detriment of the central science and all lives touched by it.

To be liberally educated is to be knowledgeable, articulate, imaginative, and observant. To become liberally educated we need something specific to be knowledgeable, articulate, imaginative, and observant about. For that there's nothing better than seeing what chemists do, see, say, write, and imagine.

Describing name-changing transformations and how they "work" at the molecular level is one of the best writing exercises there is and one of the greatest exercises of the imagination in the history of human thought. Those theses will be demonstrated with several simple lecture experiments.

MARCH MEETING

DATE:

Wednesday, March 19, 1986

PLACE:

Knott Science Center
The College of Notre Dame
of Maryland
North Charles Street
Baltimore

SPEAKERS AND TOPICS:

5:30 pm
Marvin M. Fribush
Paine Webber
"Investments for Retirement and Growth"

8:15 pm
Henry A. Bent
North Carolina State Univ.
"Opportunities - and
Blunders - in Education
in Chemistry"

COCKTAILS AND DINNER:

Doyle Building Dining Room
Social Hour 6:30
Dinner 7:15

Dinner price \$11.50 per person, but spouses, retired chemists and students may attend for \$9.50

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

John Corliss
P.O. Box 20899
Baltimore, MD 21209

by March 10. Late reservations may be made by calling

John Corliss at (301) 235-6612 or Nolan Phillips at (301) 939-3500

by March 14.

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

SHORT COURSE ON COLLOID CHEMISTRY APPLIED TO INDUSTRIAL R&D

This four-day intensive course treats general properties of dispersions, emulsions and foams and is designed for chemists and chemical engineers who are engaged in industrial research and development.

May 5 - May 8, 1986

LECTURERS:

Professor Frederick M. Fowkes Lehigh University
Dr Ian D. Morrison Xerox Corporation
Professor Sydney Ross Rensselaer Polytechnic Institute

LOCATION: Xerox International Center for Training and Management Development, Leesburg, Virginia

COURSE FEE: \$925 includes registration, lecture notes, room for 4 days, 3 meals per day, and coffee breaks.

REGISTRATION & INQUIRIES: Dawne M. Kressler, Building 6, Lehigh University, Bethlehem, PA, 18015 (215) 861-3473

EXECUTIVE COMMITTEE MINUTES

The Executive Committee of the Maryland Section of the American Chemical Society was called to order by the Chairman, Harold Klapper at 7:40 P.M. on December 11, 1985 in the Chemistry Reading Room of the College of Notre Dame.

The members present included: A. Bober, T. Bitterwolf, J. Corliss, Sister D. Eby, M. Eiss, J. DeFrank, S. Gregory, K. Kirk, J. Roach, H. Cohen, D. Hoster, B. White, H. Freimuth, and R. Petersen.

The minutes of the September meeting were accepted as corrected.

Treasurer's Report. J. Roach reported that he had implemented the Executive Committee's decision concerning the investment of the \$15,000 certificate of deposit which matured in December. \$10,000 has been reinvested in a CD with Yorkridge Calvert and \$5,000 has been placed in a Money Market account paying 7% interest. The Section's assets for the period 9/1/85 - 12/2/85 total \$20,972.48. For the same period, expenses (excluding the bill for the Grace meeting which is still outstanding) were \$3,645.02, and income was \$5,231.89. Roach also informed the Committee that the Section's tax exemption had been renewed by the State. It will come up again for renewal in 1987.

Awards. Dr. Chen, who nominated Dr. Lambooy, will attend the Maryland Chemist Award meeting as our guest.

T. McNeese, who is replacing B. Caret as chairman of the Remsen Award Committee, has selected H. Klapper, G. Posner, R. Esmond, and I. Courtney to serve on the committee. They will meet before Christmas to consider the nominees, who currently number about 40, and will make a decision on the recipient of the Remsen Award by January 15, 1986. Klapper also reported that a new plaque, similar in format to the Maryland Chemist Award, will be presented this year to the winner.

D. Hoster will send letters to the 2- and 4- year colleges and universities announcing the 1986 Student Awards Meeting. The deadline for nominations will be January 31.

Chemical Education and Safety. S. Gregory reported on the arrangements for the workshop on practical chemistry scheduled for January 11, 1986 at the College of Notre Dame. A flyer advertising John Schaefer's presentation will be distributed at the Maryland Chemist Award meeting on December 18, 1985, and will be mailed to local colleges as well. Gregory also noted that he is inquiring about running an ACS Short Course, possibly in May.

Program. T. Bitterwolf reported all was on schedule for the 1986 meetings. Klapper added that, as a spinoff of his investigation of investment options for the Section, Marvin M. Fribush of Paine Webber is a possible speaker for the March meeting, at which Henry Bent will give his "State of Chemical Education" address. Fribush would present a general talk on financial programs for chemists.

House. J. Corliss reported on attendance at the dinners and lectures as follows:

September - 65 dinners; a total of 120 at the lectures; and income was \$522.00.
October - 102 dinners; 133 attending the lecture; with income of \$1,062.50.
November - 63 dinners (plus 83 Sigma Xi members); 155 at the lecture; \$580.00.
50 reservations have been received for the December meeting already.

Concerning other arrangements for the upcoming meeting, Klapper reported that he will bring the PA system; N. Phillips is ordering the corsages for the women attending.

Congressional Science Councilors. Maryland's congressional representatives seem uninterested in receiving input from the ACS, since E. Penski has had no replies.

Member Assistance. M. Eiss said she had received several calls, and that jobs for technicians with general analytical skills are available.

Public Relations. B. Kreps, reporting by phone, has submitted press releases on the Practical Chemistry Workshop and the Maryland Chemist Award.

Membership. B. White has the 1986 Local Section membership roster.

Chesapeake Chemist. R. Petersen requested all information for the February issue as soon as possible. The program for 1986 will be printed in the February or March issue. The Committee felt that it was unnecessary for a first-class mailing of the February issue; Cohen said he would probably need more money to do so, since the usual cost is 6¢ per copy vs. 22¢.

MARM. Reporting for A. Zeiger, A. Bober distributed copies of the *Invitation to Exhibit*, prepared by M. Eiss, and requested members to send a copy to their favorite vendors. He has already received 4 deposits for exhibit space. C. Rowell is also making good progress with arrangements for the program. The contract with the Hyatt Regency Hotel has been renegotiated at terms favorable to the Section.

Eiss said a flyer will be distributed at the National meeting in Chicago; that the call for papers should appear at any time in C & E N; and that ads have also been placed in the March and April issues of C & E N.

Bober suggested an *ad hoc* committee should be formed to consider potential nominees for the E. Emmet Reid Award, which will be presented at the MARM. The deadline for the award, which recognizes excellence in teaching Chemistry at small liberal arts colleges, is March 31, 1986. H. Freimuth will assist Bober.

Old Business. Klapper read a letter received from Elbert B. Childs of Chestertown, MD, who received a 50-year member plaque.

New Business. The Committee appropriated funds to give a \$50 gift to the secretaries who have assisted Klapper and Hoster with letters this year.

The Secretary reported that 10 ballots were received in the election of the Section officers for 1986. The slate was unanimously approved.

White noted that there are about 12 teachers who are listed as Affiliates of the Section.

The next Executive Committee meeting was set for February 5, 1986, at 7:30 P.M. at the College of Notre Dame. If the usual blizzard materializes, the snow date will be February 12.

The meeting was adjourned about 9:30 P.M.

Respectfully submitted,
Kristine Kirk
Secretary

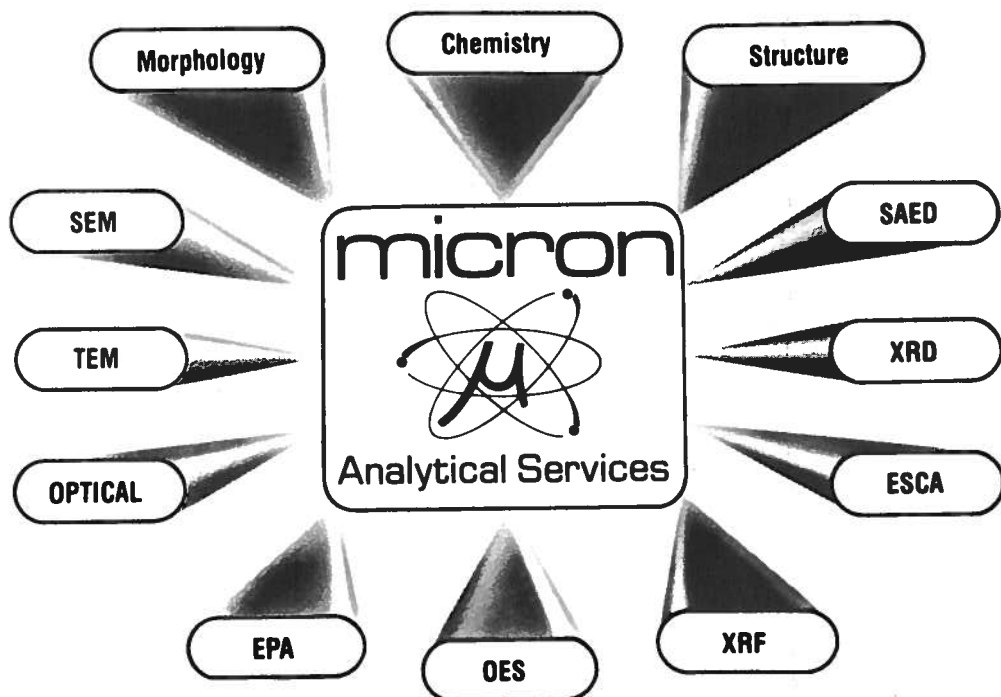
FUTURE MEETINGS

Our student award meeting is scheduled for April 23 at Notre Dame and the Remsen Award meeting is planned for May 28 at Johns Hopkins.

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