



THE

# CHESAPEAKE CHEMIST

MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

VOL. XXIX

APRIL, 1973

NUMBER 4

DUES

NOTICE

page 4

APRIL  
MEETING

5:30- Panel Discussion

8:30- Dr. M. Harris

# Why you and your glassware need Jet-Clean™ the most automatic, powerful, and capacious washer available today

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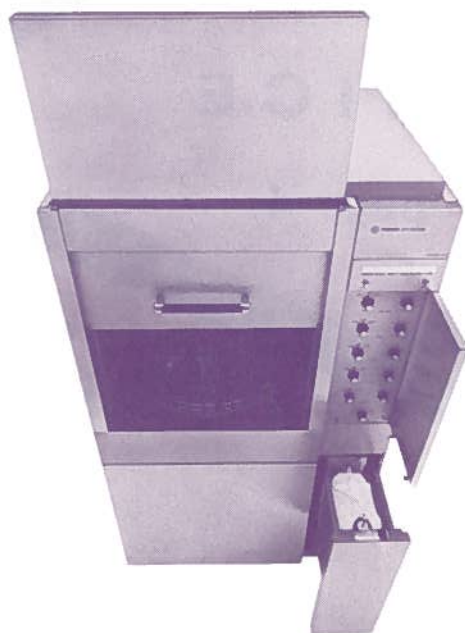
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## THE CHESAPEAKE CHEMIST

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# 1973 SECTION DUES AND SURVEY



To the—MARYLAND SECTION  
AMERICAN CHEMICAL SOCIETY

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Local Dues — Calendar Year 1973 ..... \$3.00  
Remsen Memorial Lecture  
Voluntary Contribution ..... \$1.00  
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Please complete and return the following survey with  
your dues.

NAME:

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No. of Chemists at place of Employment:

No. of Chemists in your Group:

TYPE OF CHEMIST - (Check the one that fits best -  
Check only one)

Analytical \_\_\_\_\_  
Biochemist \_\_\_\_\_  
Organic \_\_\_\_\_  
Physical \_\_\_\_\_  
Inorganic \_\_\_\_\_  
Medicinal \_\_\_\_\_  
Theoretical \_\_\_\_\_  
Other (Specify) \_\_\_\_\_

## APRIL MEETING

C H E M I C A L M A N P O W E R

DATE:

WEDNESDAY, APRIL 25, 1973

PLACE:

Eudowood Gardens Lecture  
Room, Eudowood Plaza, Joppa  
Road near Goucher Boulevard

SPEAKERS AND TOPICS:

5:30 P.M. Panel Discussion.  
"SUPPLY AND DEMAND FOR CHEM-  
ICAL MANPOWER: Present Rea-  
lities and Future Prospects."

Dr. Fred Gornick, UMBC,  
Moderator.

Dr. Alfred Brown, President,  
Celanese Research Co.

Dr. Robert Henze, ACS Div.  
Research Grants and  
Fellowship.

Mrs. Betty Vetter, Executive  
Director, Scientific  
Manpower Commission.

8:30 P.M. Dr. Milton Harris,  
Consultant. "Science and  
Technology in the 70's: Re-  
suscitation or Renaissance."

SOCIAL HOUR:

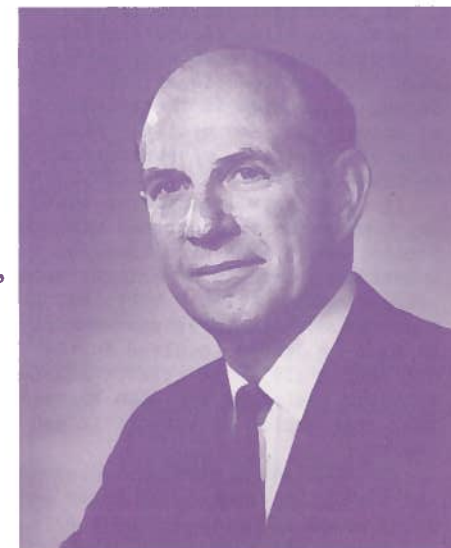
All are invited to refresh-  
ments during the Social Hour  
after the meeting.

COCKTAILS AND DINNER:

Eudowood Gardens Dining Room.  
Pay Bar (\$.50 ea.) (6:30).  
\$4.75 for hot buffet dinner  
(7:15). Students, Retired  
Chemists and their spouses  
may attend the dinner for  
\$3.00 each. Reservations  
needed. Contact Mr. Allen  
Bednarczyk, McCormick & Co.,  
Inc., 204 Wight Avenue, Hunt  
Valley, Md. 21031, phone 667-  
7480, 667-7470. Non-ACS  
members may attend; the talks  
may be attended without at-  
tending dinner. Guests are  
welcome.

MAY MEETING

Remsen Memorial Lecture



DR. MILTON HARRIS



MRS. BETTY VETTER

Mrs. Betty M. Vetter is the Executive Director of the Scientific Manpower Commission, a private, non-profit corporation formed by eleven major societies covering the various scientific disciplines to serve as a focus for problems in manpower. Both the American Institute of Chemists and the American Chemical Society are members of SMC.

The Commission is concerned broadly with providing accurate information to students and their parents about careers in science; with fostering excellence in the education of scientists; and with the utilization of scientific manpower in the national interest.

It is in this latter area that the Commission is concerned with the present employment situation for scientists, both as it affects young professionals still in training, and those at work in their professions. It also is deeply involved in the military draft as it affects scientists in training; and with the military utilization of scientific manpower.

The Commission provides accurate and timely information in these and other areas affecting scientists to the scientists themselves, their training institutions and their employers.

Mrs. Vetter has been the Executive Director of the Scientific Manpower Commission since 1963. She has taught at a number of colleges and universities in California and on the east coast, and holds degrees from the University of Colorado and Stanford University.

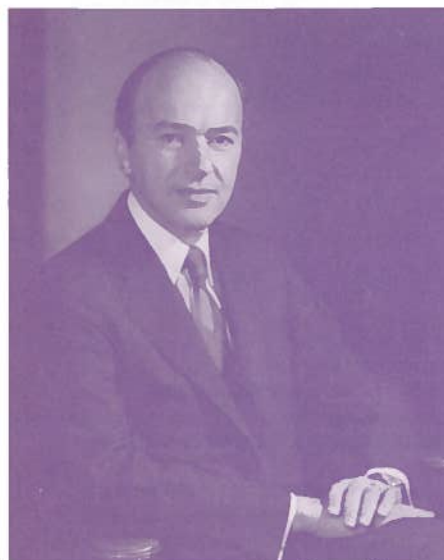


DR. ROBERT HENZE

Robert E. Henze was born in Detroit Michigan on October 30, 1921. After receiving his A.B. degree from Miami University (Ohio) in 1943, he joined the Monsanto Chemical Company as a Chemist, working on their rocket propellant project. After three years at Monsanto, he returned to school and received his M.S. (1948) and Ph.D. (1951) degrees from Purdue University. After receiving his doctorate, Dr. Henze remained at Purdue University as an Assistant Professor, and was promoted Associate Professor of Biochemistry in 1954.

In 1958, Dr. Henze joined the national ACS offices as Educational Secretary (1958-1960). In 1960 (to 1964), he became Head of the Department of Membership Activities, and later was the Head of the Department of Research Grants and Awards and Program Administrator of the Petroleum Research Fund (1964-1970). He

also served as Secretary-Treasurer (1964-1967), Vice President (1968) and President (1969-1970) of the Scientific Manpower Commission. Most recently, Dr. Henze has been Acting Manager of the ACS Washington Operations (1972) and since 1970, Director of the Membership Division of the ACS.



DR. ALFRED BROWN

Alfred E. Brown received a B.Sc. in Chemistry from Rutgers University in 1938 and a doctorate from Ohio State University in 1942. In 1945, he joined the Harris Research Laboratories in Washington, D.C., which was acquired by Gillette in 1956 as their central research laboratory. He was made Vice President in 1954 and President in 1961. In 1966, Dr. Brown joined Celanese as President of the Celanese Research Company at Summit, New Jersey.

Dr. Brown's research interests have been focused on the chemistry of synthetic polymers, carbohydrates such as starch and cellulose, and proteins, especially as related to fibers plastics, and films. He is the author of 13 patents and 20 publications.

Dr. Brown's professional association memberships include the American Chemical Society, the American Institute of Chemists, the American Association of Textile Chemists and Colo-

rists, the Industrial Research Institute, the Textile Research Institute, the Fiber Society, the Textile Institute of England, and the Society of Chemical Industry. He is also a member of both the Washington and New York Academy of Sciences, the Cosmos Club, and of the honorary societies of Phi Beta Kappa, Sigma Xi, and Phi Lambda Upsilon.

Dr. Brown served as the first chairman of the Science Bureau of the Metropolitan Washington Board of Trade in 1961-62. This organization is concerned with the resources of the Washington Scientific Community and their enhancement.

Dr. Brown was President of the Chemical Society of Washington, the local section of the American Chemical Society, in 1963. In 1964 he received the Honor Award of the Washington Chapter of the American Institute of Chemists for his contribution to the growth and strength of the Washington Scientific Community. In 1966 he was Vice President of the American Association for the Advancement of Science and Chairman of Section C (Chemistry) for 1966.

Presently, Dr. Brown is Vice President of the Association of Research Directors (New York), Chairman of the Industrial Council of the National Materials Advisory Board, a member of the Editorial Board of Science magazine, the Board of Overseers of the Foundation for the Advancement of Graduate Study in Engineering, Newark College of Engineering, the Committee of Corporation Associates of the ACS, the Visiting Committee for Science at Drew University, and the Board of Trustees of Overlook Hospital in Summit, New Jersey.

**COPY DEADLINE**

Copy for the *Chesapeake Chemist* should be forwarded to the Editor not later than the fifth of the month preceding publication.

**COVER DESIGN  
BY  
JANICE WESTON**



DR. FRED GORNICK

Dr. Gornick received his B.S. degree in Chemistry at the College of the City of New York in 1951. After several years of industrial employment and military service he resumed his studies and received his Ph.D. in Physical Chemistry from the University of Pennsylvania in 1959. He was a National Science Foundation post-doctoral fellow and a staff member of the National Bureau of Standards from 1959 to 1965 during which time he was a Lecturer in the Graduate School at Georgetown University. In 1965 he joined the Materials Science Department of the University of Virginia. In 1967 he became a member of the newly formed Chemistry Department of the University of Maryland Baltimore County where he has served as Department Chairman since 1968.

Dr. Gornick's research interests are in the area of Macromolecular Chemistry and Physics. He is co-author of a book on light scattering of polymer solutions and author or co-author of various journal articles. He is a fellow of the American Physical Society and has served as a consultant to the National Bureau of Standards and the National Aeronautics and Space Administration.

### EDITOR NEEDED

The Chairman of the Maryland Section would appreciate learning of anyone wishing to participate in the Section's activities in the role of Editor of the Chesapeake Chemist. If you have wanted to become more involved but never knew just how, this is a very useful manner.

Contact Dr. Yale Caplan, Medical Examiner's Office, 111 Penn St., Baltimore, MD. 21201 or call 752-2000, ext. 2618.

## MAY MEETING

TWENTY-EIGHTH

REMSEN MEMORIAL LECTURE

MAY 23, 1973

The Johns Hopkins University  
Homewood Campus

### UNEMPLOYED?

For the unemployed chemist or chemical engineer, the Maryland Section of the ACS recommends the services (free of charge) of BAY-VEST, 1100 N. Eutaw Street, Baltimore, Md. 21201 (phone 383-5531 or 383-5494).

If additional assistance or advice is desired, you may contact a former chairman of this section, Dr. George M. Steinberg, Hu-6-6820 (in the evening after 6 P.M.).

When Did YOU

Last Attend An

ACS Meeting?

## 23rd NATIONAL ORGANIC SYMPOSIUM

The Twenty-third National Organic Symposium, sponsored by the Division of Organic Chemistry of the American Chemical Society, will be held at the Florida State University, Tallahassee, Florida on June 18, 19, 20 and 21, 1973. The Chemistry Department of the Florida State University will serve as hosts for the Symposium. This meeting is the major symposium of the Organic Division and is designed to inform chemists about recent developments in methods, theory and results in organic chemistry.

Applications will be by advanced registration only; preregistration forms will be mailed to all members of the Organic Division this Spring. In addition, preregistration information and forms will appear in an April issue of Chemical and Engineering News or may be obtained by writing to Nicholas J. Turro, Symposium Officer, Box 610 Havemeyer Hall, Columbia University, New York, New York 10027.

- |   |   |
|---|---|
| P. D. Bartlett                            | "The Resolution of Mechanisms in Cycloaddition"   |
| O. L. Chapman                             | "Photochemical Studies at Low Temperature"  |
| M. J. S. Dewar                            | "Molecular Orbital Theory as a Chemical Tool"   |
| W. S. Johnson                             | "Some Recent Developments in Non-Enzymic Biogenetic-like Olefin Cyclizations"           |
| J. Kochi                                  | "Organocopper, Silver and Gold Species in Catalytic, Oxidation and Reduction Processes" |
| J. C. Martin                              | "The Organic Chemistry of Sulfuranes, Sulfurane Oxides and Related Hypervalent Species" |
| G. Stork                                  | "New Organic Synthetic Methods"   |
| E. C. Taylor                              | "Thallium in Organic Synthesis"   |
| B. Trost                                  | "Innovations in Organic Syntheses"  |
| G. M. Whitesides                          | "Studies in Organometallic Chemistry"   |
| George Wittig                             | "From Diyls over Ylids to my Idyll"   |
| Roger Adams Award<br>in Organic Chemistry |   |

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## EMPLOYMENT AIDS

For chemists in and near the Baltimore area, job opportunities in Washington, D.C. should not be overlooked. In addition to a large number of U.S. Government laboratories, there are several research firms, trade associations and City of Washington agencies dealing with chemistry.

A good first contact is a visit to the U.S. Civil Service Commission at 1900 E Street, N.W. A variety of pamphlets on employment in Federal Agencies can be obtained free of charge, including a complete list of Federal Personnel Offices.

As a professional, the Professional Employment Center at 500 C Street, N.W. in Washington is the next place to go. Job opening announcements in Federal, State, D.C. and industry are posted or available in files, arranged by field of specialization. One can also register in a computerized job search system to participate in "WREST" (the D.C. equivalent of Bay-Vest, described in the December 1972 issue of the Chesapeake Chemist.). The "WREST" offices are located at 1111 20th Street, N.W. - ground floor.

**When Did YOU  
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Meeting?**

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## DR. MILTON HARRIS

Milton Harris was born on March 21, 1906 in Los Angeles, California. He received his B.Sc. from Oregon State University in 1926 and his Ph. D. from Yale in 1929. He began his career in the textile industry in 1929 with Cheney Brothers. Later, he was Director of Research for the Textile Foundation and Textile Research Institute. In 1945, Dr. Harris founded the Harris Research Laboratories and served as President until 1961. In 1956, he became Director of Research for the Gillette Company and in 1957 was appointed Vice President and Director of Research. Since 1966, he has been Chairman of the Executive Committee of the Sealectro Corporation.

Dr. Harris' positions within the American Chemical Society include ACS Representative to the Advisory Committee to the National Bureau of Standards; Member (1964), Committee Advisory to ACS President; Director-at-Large (1966-69 and 1970-72) and Chairman, Board of Directors (1966-71).

Among Dr. Harris' honors and awards are listed the Perkin Medal Award, Society of Chemical Industry, 1970; Harold DeWitt Smith Memorial Medal Award, 1966; Naval Ordnance Development Award, 1947; Olney Medal, 1945; and the Washington Academy of Sciences Award, 1943.

Dr. Harris is a member of the American Association of Textile Chemists and Colorists, the American Institute of Chemists, AAAS, the Textile Institute of England, and others.

Dr. Harris holds over 35 patents, has authored or co-authored approximately 200 research papers on the chemistry, structure and mechanical properties of textile fibers and fabrics, on protein and cellulose chemistry and on behavior of high polymer systems. More recent publications have dealt with the management of Science and Technology. He is also Editor of "Harris' Handbook of Textile Fibers", co-Editor of "Natural and Synthetic Fibers", and is on the Editorial and Advisory Boards of several journals.

## "Science and Technology in the '70's: Resuscitation or Renaissance"

A 25 year period involving an incredible rate of economic growth, accompanied by an even faster rate of growth of expenditures for research and development has ended and a period of deceleration is in the making. The accompanying economic dislocations are a cause of deep concern among people trained for the professions. Many feel threatened or even victimized. Some seek greater security through a "new professionalism." Others demand a national "science policy" as a means toward greater stability. At present, unfortunately, opinions concerning these two concepts vary widely. It becomes increasingly clear that planning and working for a more stable profession of chemistry will demand a far better understanding of the many and diverse factors involved and will require cooperative efforts of chemists and chemical engineers from government, industry, and academia.

To many, these events are viewed as catastrophic; to others (and the author) we are witnessing a renaissance with many new opportunities in the training of chemists as well as in the development and utilization of chemistry.

-----Tear-Out Dinner Reservation Form-----

There is enclosed \$.....(\$4.75 per person)\* for dinner reservations at Eudowood Caterers, Eudowood Plaza, for the following persons.

Name (Please print or typewrite) Affiliation

\_\_\_\_\_  
\_\_\_\_\_

\*Please make checks payable to Maryland Section, ACS and mail together with reservation form to Mr. Allen Bednarczyk, McCormick & Co., Inc., 204 Wight Ave., Hunt Valley, Md. 21031 or phone 667-7480, 667-7470.

## ACS SHORT COURSES

**April 26-28. Emulsions and Dispersions;** Dr. Sydney Ross and Dr. Frederick M. Fowkes. Chicago, Ill.

**April 30-May 3. Technical and Scientific Writing;** J. R. Gould and Wayne A. Losano. New York City area.

**May 18-19. Modern Liquid Chromatography;** Dr. Lloyd R. Snyder and Dr. J. J. Kirkland. Philadelphia, Pa.

**May 18-19. Modern Methods of Drug Analysis;** Dr. Harold M. McNair and Dr. David T. Stafford. New York City area.

**June 1-2. Modern Liquid Chromatography;** Dr. Lloyd R. Snyder and Dr. J. J. Kirkland. Houston, Tex.

To register or obtain complete information on the courses, convenient lodging, and student discounts, write to Department of Educational Activities, American Chemical Society, 1155-16th St., N.W., Washington, D.C. 20036. During the two-week period prior to a course, registration should be made by telephone: area code 202, 872-4508.

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