



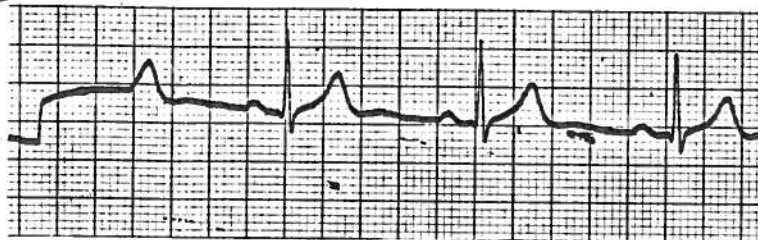
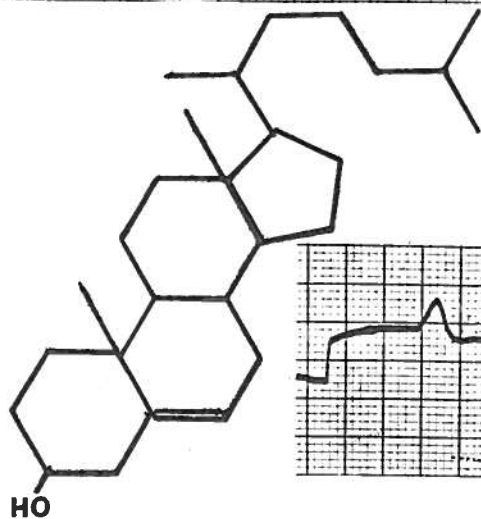
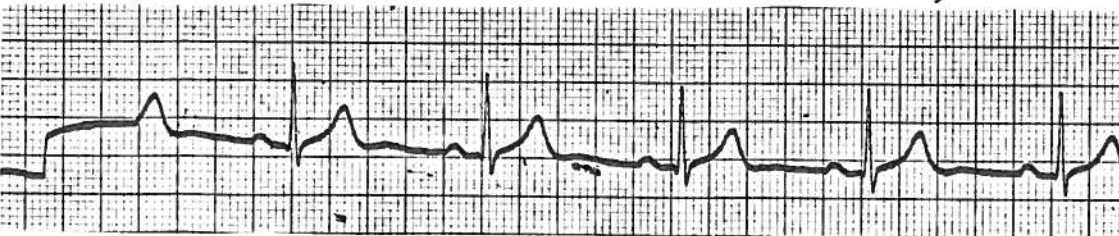
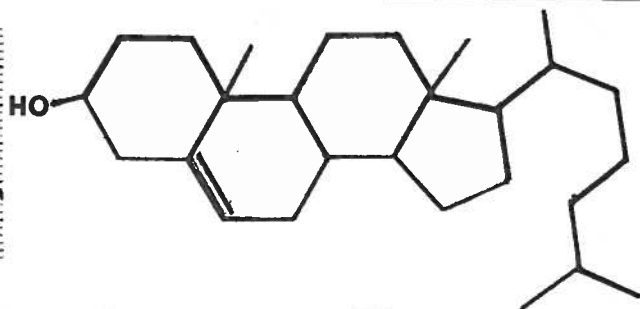
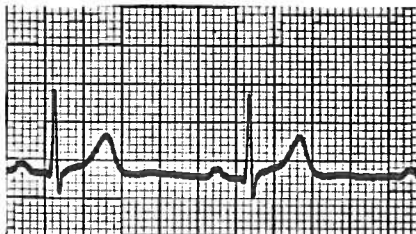
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MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY

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EDITORIAL STAFF

William G. Galetto.....Editor
McCormick & Co.,
204 Wight Ave.
Hunt Valley, Md. 21031
Phone: 666-3155

Allen Bednarczyk....Assistant Editor
McCormick & Co.
Hunt Valley, Md. 21031

M. J. Albinak....Contributing Editor
Essex Community College
Baltimore, Md.

David Gordon....Contributing Editor
U. S. Food and Drug Adm.
Baltimore, Md.

E. M. Glocker....Contributing Editor
Consultant
Baltimore, Md.

M. F. Finlan.....Contributing Editor
The Johns Hopkins University
Baltimore, Md.

BUSINESS STAFF

Kent R. Zeller.....Business Manager
McCormick & Co.
Industrial Flavor Division
204 Wight Avenue
Hunt Valley, Md. 21031
Phone: 301-666-7400

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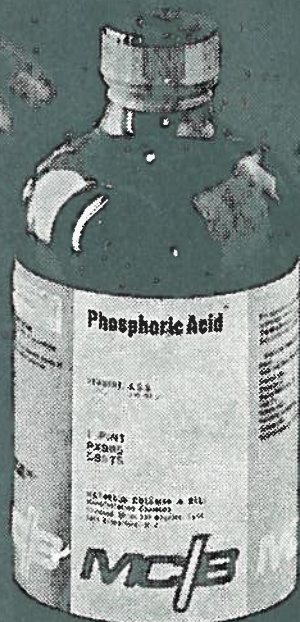
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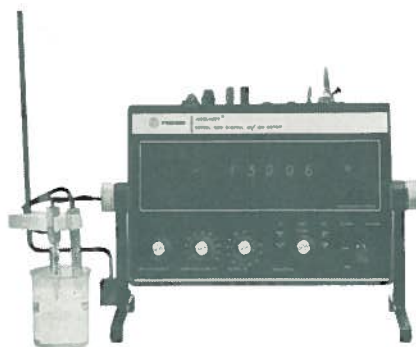
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THE CHESAPEAKE CHEMIST

OCTOBER MEETING



Prof. William C. Purdy

DATE:

WEDNESDAY, OCTOBER 18, 1972

PLACE:

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

SPEAKERS AND TOPICS:

5:30 P.M.

Professor William C. Purdy, University of Maryland.

"Electrochemical Methods in Clinical Chemistry and Toxicology"

8:30 P.M.

Dr. David Kritchevsky, The Wistar Institute. "Diet and Atherosclerosis"

OCTOBER, 1972

COCKTAILS AND DINNER:

Eudowood Gardens Dining Room. Open Bar (6:30) - Courtesy of Fisher Scientific Co. Price is \$4.75 per person for hot buffet dinner (7:15). Students and their spouses may attend the dinner for \$3.00. Reservations are necessary for the dinner, and should be made with Mr. Allen Bednarczyk, McCormick and Co., Inc., 204 Wight Avenue, Hunt Valley, Maryland 21031, phone 666-3155, by Friday preceding meeting. It is not necessary to be a member of the American Chemical Society to attend the dinner or the talks, and the talks may be attended without attending the dinner.



Dr. David Kritchevsky

PROF. WILLIAM C. PURDY

William C. Purdy was born in Brooklyn, N.Y. and received his B.A. in Chemistry from Amherst College in 1951. In 1955, he received his Ph.D. in Analytical Chemistry from M.I.T. After graduation from M.I.T., he taught for three years at the University of Connecticut and in 1958, joined the staff at the University of Maryland at College Park where he is presently Professor of Chemistry and Head of the Analytical Division.

During the year 1965-1966, he was Visiting Professor in the Institute of Human Nutrition at the Justus Liebig University in Giessen, Germany and during the Spring Semester of 1973 will be a Visiting Professor at the Institute of Clinical Pathology at the University of Basel, Switzerland.

Dr. Purdy is on the Editorial Advisory Board of Analytical Chemistry, the Board of Editors of Clinical Chemistry, a member of the Committee on Analytical Chemistry of the National Research Council, National Academy of Sciences and the Scientific Advisory Board of the Environmental Defense Fund.

In 1971, Dr. Purdy was the National Lecturer for the American Association of Clinical Chemists and is the author or co-author of approximately one-hundred publications including a monograph on "Electroanalytical Methods in Biochemistry."

**ELECTROCHEMICAL METHODS
IN CLINICAL CHEMISTRY
AND TOXICOLOGY**

Five related electroanalytical techniques will be presented: coulometric titrations, galvanostatic methods, null-point potentiometry, potentiometric and amperometric reaction-rate methods. The theory of each of these methods will be briefly discussed and applications to clinical systems and toxicology will be presented. In some cases future applications for a particular method will be suggested.

DR. DAVID KRITCHEVSKY

David Kritchevsky was born in Kharkov, Russia on January 25, 1920. He received his B.S. degree in Chemistry from the University of Chicago in 1939 and his M.S. in Organic Chemistry from the same institution in 1942. From 1940 to 1946, he worked for Ninol Laboratories in Chicago as a Chemist. Later, he attended Northwestern University and received his Ph.D. in Organic Chemistry in 1948.

From 1948-49, Dr. Kritchevsky was a Post-Doctoral Fellow for the National Research Council Committee on Growth at the Federal Institute of Technology in Zurich, Switzerland. From 1950 to 1952, he was a Staff Member of the Bio-Organic Group in the Radiation Laboratory of the University of California at Berkeley. In 1952, Dr. Kritchevsky joined Lederle Laboratories in Pearl River, New York, as a Staff Member in their Virus and Rickettsial Research Section. In 1957, Dr. Kritchevsky began his association with the Wistar Institute of Anatomy and Biology in Philadelphia as an Associate Member, being promoted to Member in 1962, a position he presently holds. In 1965, he became a Professor of Biochemistry in the Division of Animal Biology at the University of Pennsylvania, School of Veterinary Medicine. In 1966, he was appointed Wistar Professor of Biochemistry at the same school and in 1972 was appointed Chairman, Graduate Group on Molecular Biology at the University of Pennsylvania.

Dr. Kritchevsky is on the Editorial Board of the Archives of Biochemistry and Biophysics, Atherosclerosis, Experimental and Molecular Pathology, Journal of Medicine, Journal of Nutrition, Lipids, and Nutrition Reports International.

He is a member of Sigma Xi; Phi Lambda Upsilon; American, British and Swiss Chemical Societies; the Society of Biological Chemists; the American Federation for Clinical Research; Society of Experimental Biology and Medicine; and a Fellow of the A.A.A.S. and N.Y. Academy of Sciences. He is also a member of the American Heart Association's Council on Arteriosclerosis (1963-Executive

(Continued on Page 7)

(Continued from Page 6)

Committee; 1966, 1967-Program Committee; 1971-Credentials Committee); the American Oil Chemists' Society (1963-4-Chairman of Biochemical Methods Committee; 1964-5-Chairman of Biochemical Program); the International Society of Biochemical Pharmacology and several other international groups.

Dr. Kritchevsky was the 1962 Research Career Award Recipient of the National Heart Institute, National Institutes of Health and his research interests include lipid biochemistry, atherosclerosis, aging and deuterium isotope effects in biology.

**DIET AND
ATHEROSCLEROSIS**

The role played by the diet, particularly lipids, in human health has been the subject of intensive research and vigorous discussion in recent years. The complex nature of the problem and contradictory results from laboratories of respected scientists have introduced an element of controversy. In the absence of an unequivocal ante-mortem diagnosis of an impending coronary, attention must be paid to all reasonable clues and suggestions. There are, however, a number of factors which affect the risk of occurrence of a coronary attack. These include, elevated blood pressure, elevated serum, cholesterol levels and excessive cigarette smoking. Dietary factors which influence the course of experimental atherosclerosis (and possibly human atherosclerosis) include type and structure of dietary fat and type of carbohydrate. These factors and others such as stress will be discussed in an effort to fit the picture of susceptibility to this disease into the mold of the speaker's prejudices.

COPY DEADLINE

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

**NOMINATIONS FOR
SECTION OFFICERS**

In compliance with By-law VI, Sec. 4(b) of the Maryland Section of the American Chemical Society, the name of the Chairman of the Nominating Committee for the election of officers, councilors, and members-at-large of the Executive Committee for the calendar year 1971 is listed below in order that members may suggest suitable candidates to him. A candidate so suggested to the Nominating Committee must first have given consent to such nomination.

The members of the Nominating Committee are:

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Baltimore, Maryland 21203
- Allen Bednarczyk....McCormick & Co.
- Joseph Cogliano.....W. R. Grace
- Dave Roswell.....Loyola College
- George Steinberg....Edgewood Arsenal

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NIGHT**

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General papers will be presented in all Divisions listed below:

ANALYTICAL CHEMISTRY

Electrochemistry (joint with Physical)
 Biochemical - Clinical Multicomponent Analysis
 Environmental Trace Metals
 Surface Analysis

CHEMICAL DOCUMENTATION

Computer Facilities in the Washington Area

CHEMICAL EDUCATION

Graduate Education in Chemistry
 Chemistry for the Non-Science Major
 The Role of Chemistry in Interdisciplinary Science Programs

INORGANIC CHEMISTRY

Spectroscopic Applications in Inorganic Chemistry
 Fluorine Chemistry

MEDICINAL AND BIOCHEMISTRY

Computational Methods (joint with Organic)
 Contemporary Instrumentation

ORGANIC CHEMISTRY

Conformational Analysis
 Computational Methods (joint with Med. & Bioch.)
 Bio-organic Chemistry

PHYSICAL CHEMISTRY

Kinetics of the Excited State
 Scattering Theory
 Electrochemistry (joint with Analytical)
 Measurement of Physical Properties

POLYMER CHEMISTRY

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A feature of the program will be the presentation each day of a Plenary Lecture by a distinguished scientist. The Plenary Lecturers are Prof. George C. Pimentel (Berkeley), Prof. Gilbert Stork (Columbia), and Prof. Robert West (Wisconsin). No technical sessions will be held concurrently with the Plenary Lectures.

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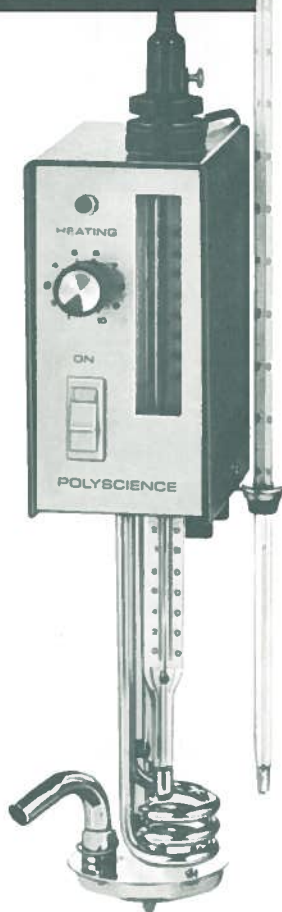
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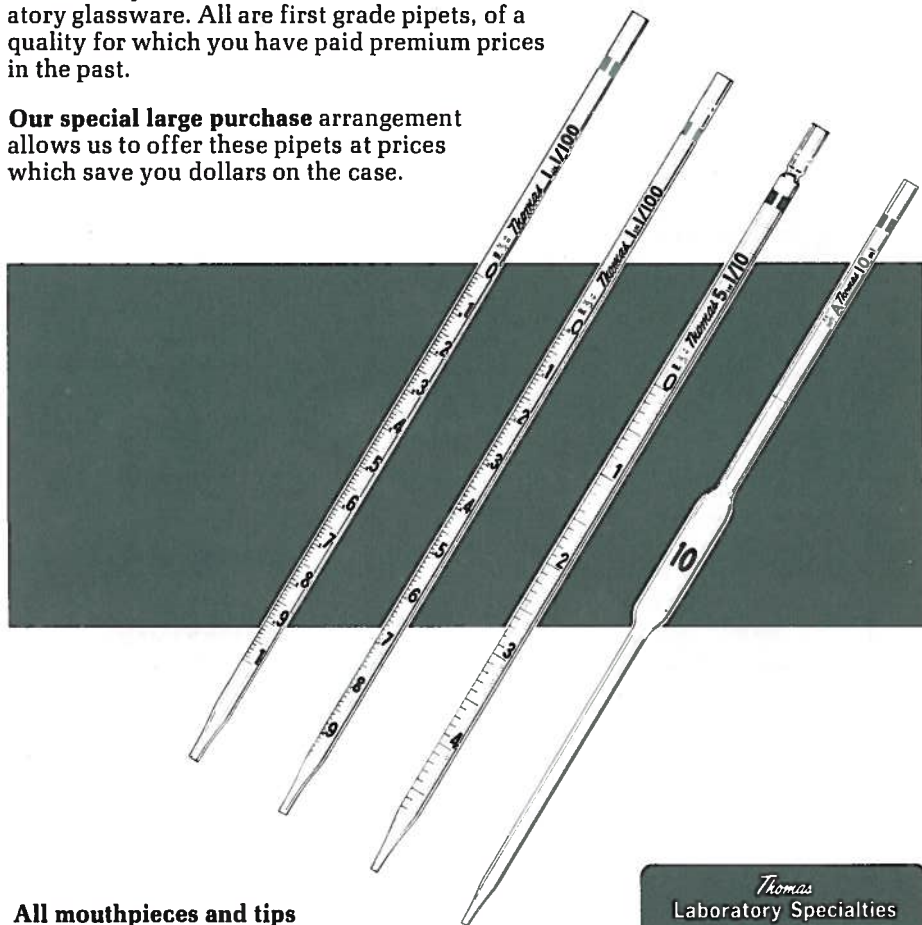
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