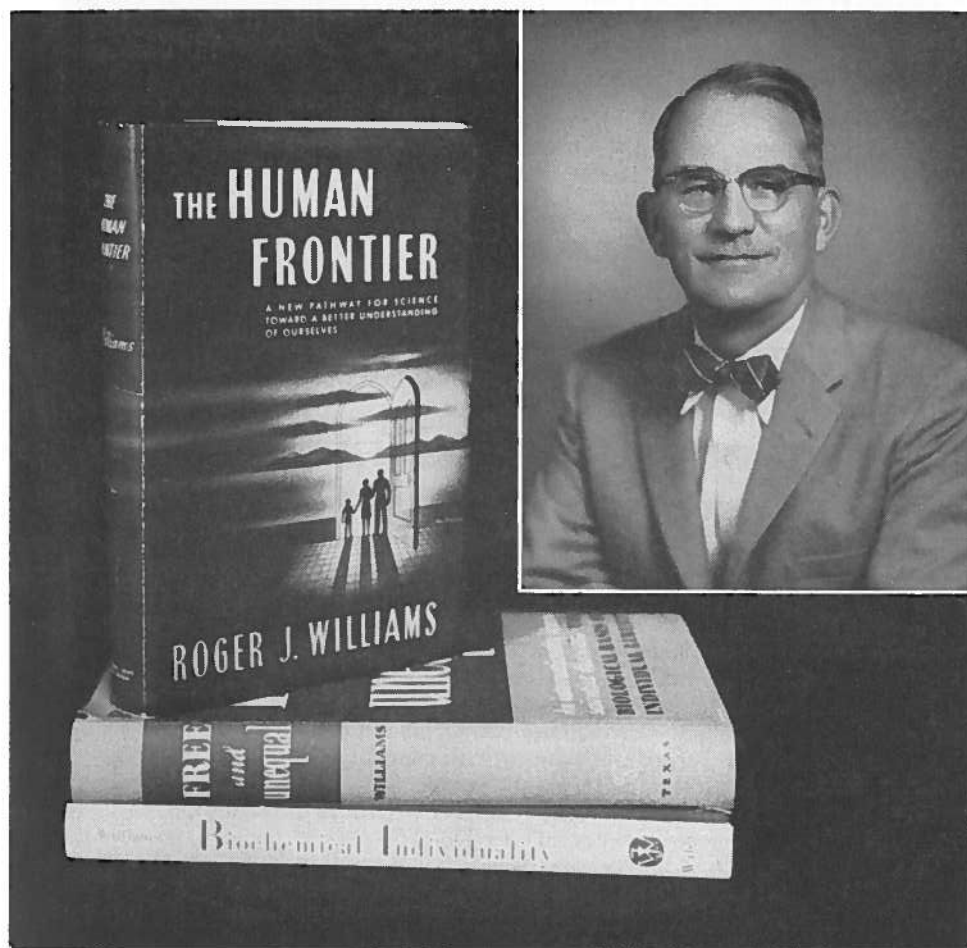


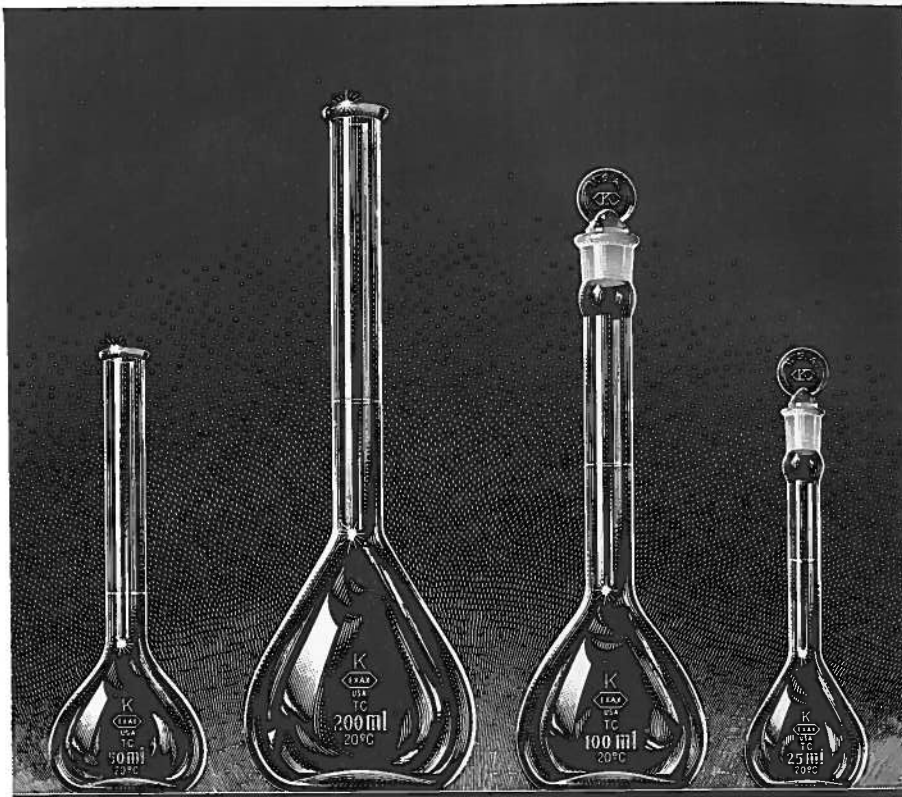
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MARYLAND SECTION
AMERICAN CHEMICAL SOCIETY



March, 1957

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TABLE OF CONTENTS

	Page
The March Meeting.....	5
New Section Members	6
Last Month's Meeting and Section Dues	6
Radiation Effects, Meeting	10
Chemical Progress Week, Teachers' Institute	10
Maryland Section News	
Industrial	12
Academic	13
Government	13

COVER—Dr. Roger J. Williams, President of the American Chemical Society, and three of his books. Dr. Williams will address the Maryland Section at the March meeting. See program on page 5 for details.

NEW SECTION MEMBERS

New Members

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Logan A. Hankins
Jeng. M. Hsu

Frank L. Iber
John J. Martin
Miss Mary Frances Nolan
Robert J. Schneider
James B. Zorn

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Johns Hopkins University
Johns Hopkins Hospital
Army Chemical Center
Johns Hopkins Medical School
Mt. Airy, Maryland
Baltimore, Maryland

Transfers

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Erwin Hoess

Jerome V. Hopson
Pvt. William H. James
Walter F. Jewell
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Alabama
Central Ohio Valley

Berkeley, California
Kentucky
New York, N. Y.
St. Louis, Mo.
Belleville, Ill.
North Jersey
New Haven, Conn.
Lima, Ohio
Dallas, Texas
Virginia
Hamilton, Ohio

THE JANUARY MEETING

On January 25, the Maryland Section held its regular monthly meeting at Johns Hopkins University. Dr. Dayton E. Carritt, Assistant Professor of Oceanography, Chesapeake Bay Institute, Johns Hopkins University, gave an enjoyable talk on "Some Old and New Problems in Chemical Oceanography". The subject of oceanography has received great interest recently in connection with the spread of radioactive contamination. Dr. Carritt showed what type of information can be obtained from chemical oceanographic data and discussed some of the new analytical techniques.

A dinner in honor of Dr. Carritt was

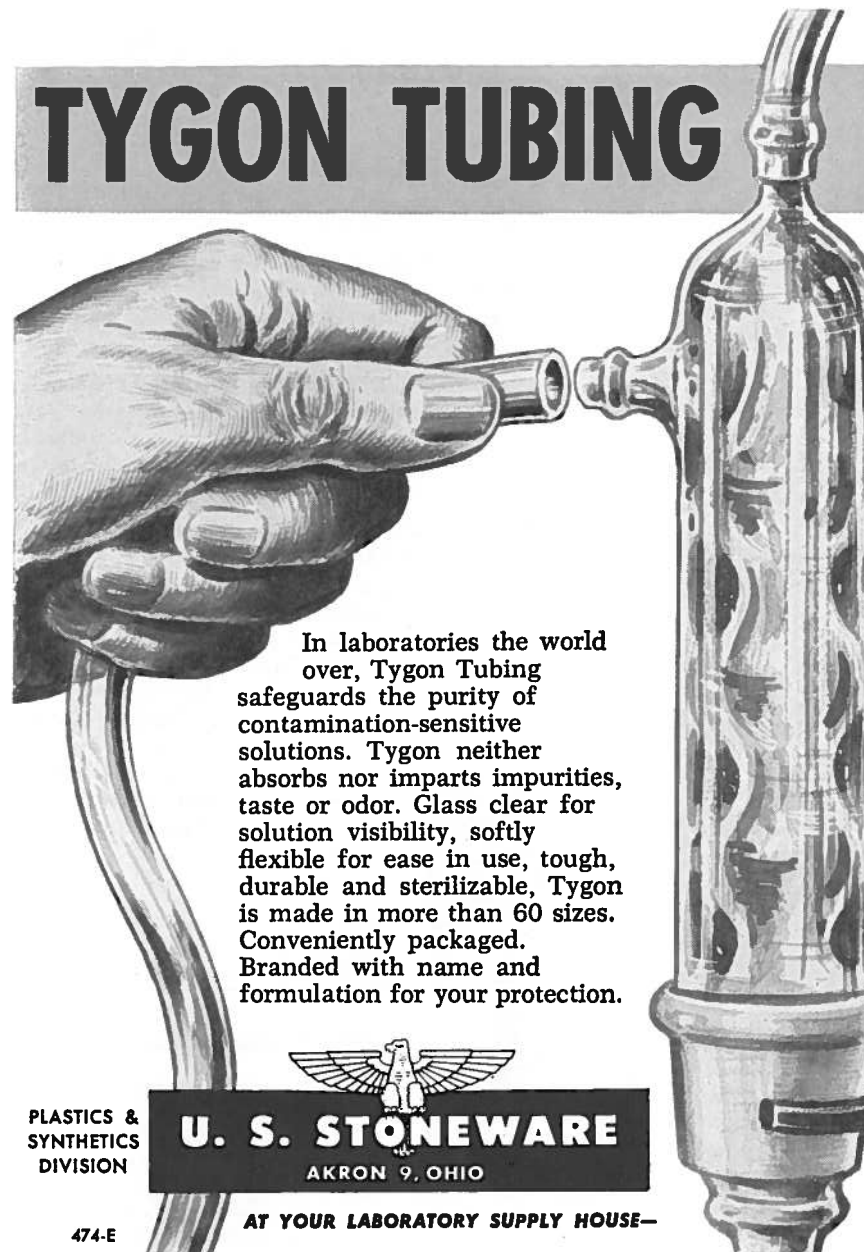
held at the Johns Hopkins Club prior to the meeting.

Attendance at the dinner numbered 11, and at the meeting numbered 58.

LOCAL SECTION DUES

A statement of local section dues was mailed to every member of the Maryland Section in January. Response has been good but there are quite a number who have not paid at this time. If you are one who has overlooked this important responsibility, please locate your statement and mail with check to Dr. Lloyd Felton, Treasurer, Hynson, Westcott & Dunning, Charles and Chase Streets, Baltimore 1.

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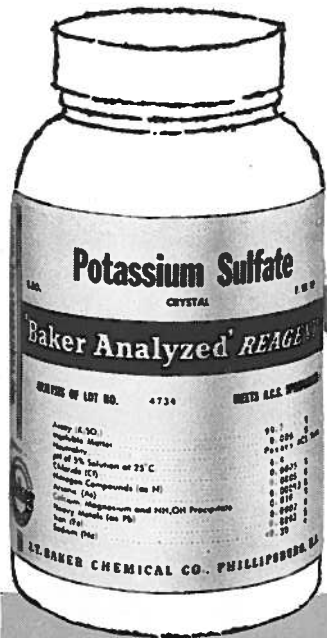
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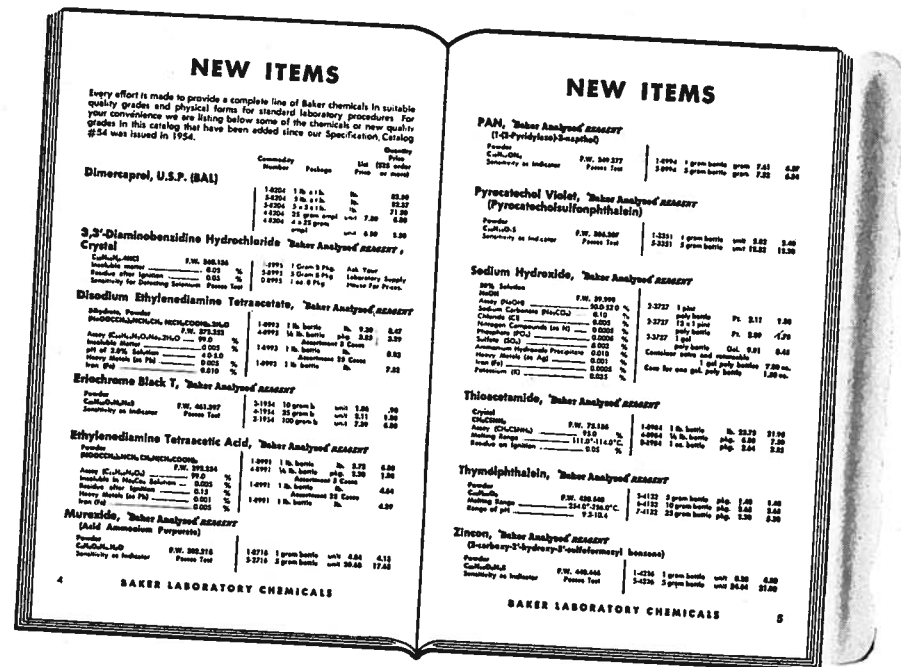
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On pages 4 and 5 (reproduced half-size above), note particularly the 12 new listings recently added to our line. These include EDTA and the disodium salt, which have general laboratory use in the chelation of metallic ions and as masking agents. Several metal indicators for use with these reagents are also listed.

These new reagents are a further example of Baker's determination to keep constantly abreast of your needs, and to provide you with time-saving working tools of precision.



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Colloquium on Radiation Effects on Materials

The Glenn L. Martin Company and the Office of Naval Research are co-sponsoring a Colloquium on "Radiation Effects on Materials", in Shriver Hall on the Johns Hopkins University Campus on March 27, 28 and 29, 1957.

The colloquium will have as its principal objective the presentation of a series of unclassified educational review papers on the general subject of radiation effects on materials. The program has been arranged to appeal to both the engineer and the research scientist working on radiation effects and the development and application of nuclear reactors for power.

March 27—

Defects in Solids and Current Concepts of Radiation Effects. Experimental Approaches to Radiation Studies, Sources and Dosimetry. Radiation Effects on

Physical and Metallurgical Properties of Metals and Alloys. Influence of Radiation Upon Corrosion Behavior and Surface Properties of Metals and Alloys.

March 28—

Effects of Radiation on Electronic and Optical Properties of Inorganic Dielectric Materials. Effects of Radiation on Semiconductors. Effects of Radiation on Organic Materials.

March 29—

Effects of Radiation on Reactor Components. Speakers will include Dr. E. S. Billington, Director Solid State Physics Div., Oak Ridge National Labs.; Prof. R. Smoluchowski of Carnegie Tech.; Prof. M. Burton, Univ. of Notre Dame; Dr. A. Charlesby, Tube Investments, Harwell, England; Dr. G. R. Hennig of Argonne National Lab.

INSTITUTE FOR HIGH SCHOOL TEACHERS

The National Science Foundation and the US Atomic Energy Commission will sponsor a one-month institute for high school science teachers at the Special Training Division of the Oak Ridge Institute of Nuclear Studies July 29 through August 23.

Forty-eight high school science teachers will be accepted for participation in the institute and each participant will be awarded a stipend of \$300. A dependency allowance of \$60 per dependent (up to \$240) and a travel allowance of 4 cents per mile (up to \$80 for the round trip) will be available to all participants.

Application blanks and additional information may be obtained by writing Dr. Ralph T. Overman, chairman, Special Training Division, Oak Ridge Institute of Nuclear Studies, P. O. Box 117, Oak Ridge, Tennessee.

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CHEMICAL PROGRESS WEEK

The fourth annual Chemical Progress Week has been scheduled for April 8-12, 1957, the Manufacturing Chemists' Association, sponsor of the event, has announced.

"The purpose of our program," said General John E. Hull, USA (Ret.), MCA president, "is to bring home to the American people the significance of the products of chemistry in their daily life. This year we will continue to stress the importance of interesting more young men and women in careers in science. In addition, we plan to explain the importance of industrial research.

"We feel that the best way to tell our story is to have the men and women who make up the chemical industry talk directly to their friends and neighbors, particularly in industry plant-communities. Past celebrations of Chemical Progress Week strengthen our conviction in this belief."

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H-29601—Beckman Model N-1 pH meter, battery operated. Range 0-14 pH. Temperature compensator covers 0-100° C. Rapid measurements to 0.1pH and with careful technique to 0.03 pH. . \$290.00

H-29602—Beckman Model N-2 pH meter. A compact, battery operated meter in carrying case designed especially for portability. Ideal for field use. Range 0-14 pH. Case has compartment for electrodes, beaker and solutions. . . 335.00

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MARYLAND SECTION NEWS



INDUSTRIAL

AMERICAN BIO-CHEMICAL LABORATORY

Dr. Samuel L. Goldheim gave a vocational guidance talk on "Chemistry and Chemical Engineering as a Profession" at Forest Park High School on January 23. A group of 40 boys and girls from the junior and senior classes attended the lecture and participated in the question period that followed.

CROSSE AND BLACKWELL

Mr. B. W. Clarke, Chief Food Technologist of the Crosse & Blackwell Company, Baltimore, recently attended a conference at the Department of Horticulture, University of Maryland, College Park, Maryland, as a member of the planning committee to formulate the program for the 1957 annual Food Processors Workshop. The Department of Horticulture of the University of Maryland conducts the Workshop for the benefit of processors of fruit and vegetable products in the tri-state area of Maryland, Delaware and New Jersey.

CRIPPEN & ERLICH LABS

Raymond C. Crippen, of Crippen & Erlich Laboratories, Inc., Subsidiary of Foster D. Snell, Inc., recently attended the meeting of the Chemical Specialties Manufacturing Association in Washington, D.C. for discussions on aerosols and insecticides. Mr. C. Kimball, Vice President of Foster D. Snell, from the New York office was also present.

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CROWN CORK & SEAL COMPANY

Lesten V. Taylor has been named senior product engineer in Crown's Research and Development Department, it has been announced by Edward M. Redding, Director of Research and Development of the company.

An authority on food and beverage chemistry and packaging, Mr. Taylor has been serving as consultant to the State of Missouri Division of Health, where he helped draw up a state beverage code.

In his new post at Crown's Baltimore headquarters, Mr. Taylor will be responsible for developing packaging material and manufacturing specifications for all Crown containers and closures.

DAVISON CHEMICAL COMPANY

Davison Chemical Company Division of W. R. Grace & Co., is consolidating its interests in rare earths and thorium, through absorption into its Chemicals Division of Rare Earths, Inc., formerly operated as an affiliate with separate corporate identity.

Davison operates plants for processing monazite into rare earths and thorium at Curtis Bay (Baltimore) and Pompton Plains, N.J., and is one of the largest interests in the growing field of these materials, which is being stimulated by development of industrial nuclear power.

MCCORMICK AND COMPANY

Dr. Richard L. Hall, Director of Research, was one of the speakers on a symposium dealing with flavors in food products at a recent meeting convened by the Arthur D. Little Company of Cambridge, Mass. The subject of Dr. Hall's address was "Some Practical Aspects of Taste Panels for Food Manufacturing Operations".

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ARMY CHEMICAL CENTER

Dr. Rudolph Macy, Assistant to the Director of Research, Chemical Warfare Laboratories, presided over a conference on High Speed Photography at the Army Chemical Center on the 4th, 5th and 6th of February. Approximately 80 people, made up of representatives of the Army Chemical Center, Picatinny Arsenal, Aberdeen Proving Ground, Fort Detrick, Aerojet General Corporation, George Washington University, as well as representatives of several manufacturers of high speed photographic equipment, attended the conference.

Elmer H. Engquist is a recipient of the Secretary of the Army's Research and Study Fellowship Award. This grant permits Mr. Engquist to spend a year in advance study, after which he will resume his duties at the Chemical Warfare Laboratories.

An Army Chemical Center Chapter of RESA (Research Society of America) is being organized. It is expected that the chapter will be officially installed in April. It will be made up of approximately 50 charter members who are presently members of Sigma Xi, RESA, or Tau Beta Pi. Among the officers are Dr. Stephen Krop, vice-president, Dr. J. Henry Wills, treasurer, and Dr. Bernard J. Jandorf, secretary. Dr. William H. Summerson is Chairman of the Program Committee.

FORT DETRICK

Ira M. Abelow has been appointed Chief, Process Design Branch, BW Plants Division, Engineering Command, Chemical Corps, Fort Detrick.

Robert F. Chaiken is leaving George Washington University Research Laboratory, Fort Detrick, on January 14, 1957 to work at Aerojet General, Inc. Azusa, California, as a Research Chemist.

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ST. JOSEPH COLLEGE

Dr. Louis W. Clark Associate Professor of Chemistry and Head of the Division of Science and Mathematics at Saint Joseph College in Emmitsburg, Maryland, has received a grant of \$3,000.00 from the Raskob Foundation for Catholic Activities, Inc., Wilmington, Delaware. This grant will be used to support work in kinetics.

Dr. Clark has published five research papers in the past year. These are:

"An Inexpensive Mercury Thermoregulator," J. Chem. Ed. 33, 147 (1956).

"The Decomposition of Malonic Acid in Glycerol and in Dimethyl Sulfoxide," J. Phys. Chem. 60, 825 (1956).

"The Decarboxylation of Malonic Acid in Triethyl Phosphate," *ibid.* 60, 1150 (1956).

"The Kinetics of Decomposition of Malonic Acid in Aromatic Amines," *ibid.* 60, 1340 (1956).

"The Effect of Picolines on Malonic Acid," *ibid.* (1956).

JOHNS HOPKINS UNIVERSITY

Dr. Harold G. Hoelscher of the Chemical Engineering Department of Johns Hopkins University and Dr. Kenneth M. Kiser, recently a student in this Department, presented a paper entitled *Chemical Reaction Studies in a Water Tunnel* at the Industrial and Engineering Chemistry, Christmass Symposium at Purdue University.

* * * * *

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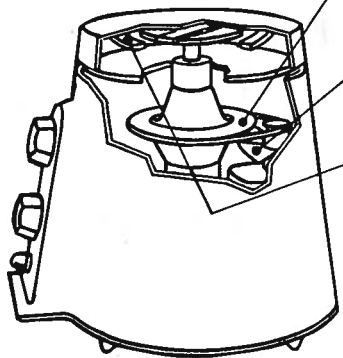
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MARCH 29, 1957
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