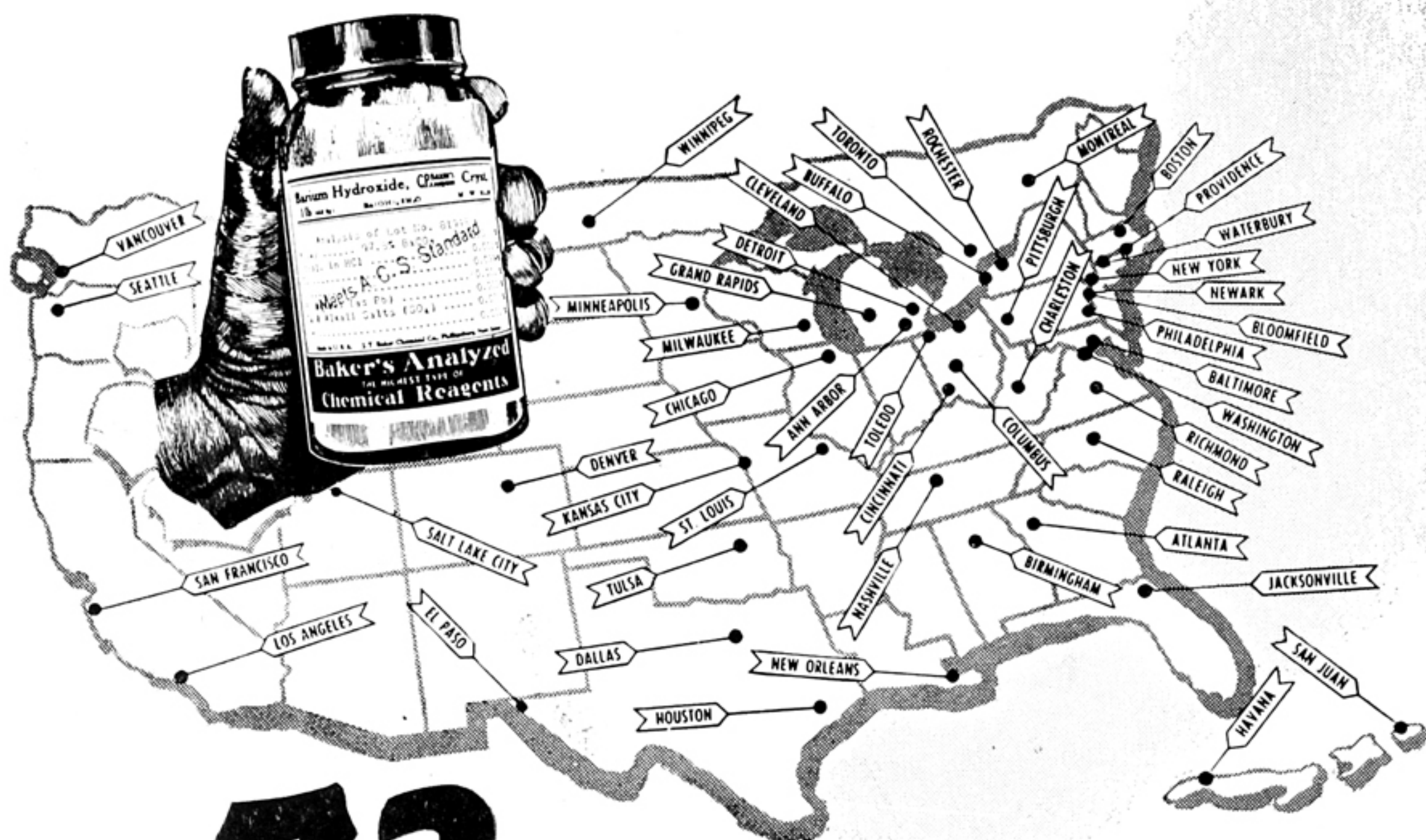


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CHEMIST

BULLETIN OF THE PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

NOVEMBER, 1950



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No. 8

NOVEMBER, 1950

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November Meeting

Puget Sound Section

AMERICAN CHEMICAL SOCIETY

Time

Tuesday, November 21, 1950, 7:45 p. m.

Place

Seattle, 131 Bagley Hall, University of Washington

Speaker

DR. H. S. BENNETT, University of Washington School of Medicine

Subject

MICROSPECTROSCOPY

Refreshments and Social Hour After Meeting

This Will Be Your Only Notice for

December Meeting

Puget Sound Section -

AMERICAN CHEMICAL SOCIETY

Time

Wednesday, December 20, 8:00 p. m.

Place

Seattle, 131 Bagley Hall, University of Washington

General Topic: Aromaticity

Speakers

Dr. W. T. Simpson: "Remarks on the Nature of Aromaticity"

Dr. A. G. Anderson, J.: "Azulene, the Blue Aromatic Hydrocarbon"

Refreshments and Social Hour After Meeting

NOVEMBER SPEAKER



Biographical Sketch

Our November speaker, Dr. H. Stanley Bennett, head of the Department of Anatomy in the School of Medicine of the University of Washington, was born in Tottori, Japan in 1910. After early schooling in Japan and at the Germantown Frineds School in Germantown, Pa., he earned his A.B. degree at Oberlin College in 1932 and his M.D. degree at Harvard University in 1936. He then served his internship at Johns Hopkins Hospital.

His first research appointment was as a Fellow of the National Research Council and Research Fellow in Anatomy at Harvard Medical School from 1937 to 1939. He then served as Instructor in Anatomy and Pharmacology and Associate in Anatomy in the Harvard Medical School until 1942, at which time he was called to active duty for four years with the U. S. Navy. Leaving the Navy in 1946 with the rank of Commander, he was an Assistant Professor of Cytology at M. I. T. for two years. In 1948 he came to the University of Washington as Professor of Anatomy and head of the Anatomy Department.

He is a member of Alpha Omega Alpha, Sigma Xi, the Society for Clinical

Investigation, the American Association of Anatomists, the American Physiological Society, the Society for Experimental Biology and Medicine, and the American Chemical Society, a Fellow of the A. A. A. S., Diplomate of the National Board of Medical Examiners, and serves on the Tissue Culture Commission.

He is also very active in University affairs, as a member of many important committees.

He is married and has four children.

SEATTLE NEWS

Recent additions to the staff of the Chemistry Department at the University include:

Dr. David F. Eggers, Instructor. His primary interest is molecular spectroscopy. Dr. Eggers is married. He recently received his degree from the University of Minnesota.

Dr. Norman R. Larsen, Research Associate. Dr. Larsen received his degree from Northwestern University in 1943. He served in the Chemical Warfare Service and in the U. S. Armed Forces. Dr. Larsen is conducting research on the kinetics of reactions.

Dr. Bjarte Loken, Research Associate. Dr. Loken graduated from the Norwegian Institute of Technology, Trondheim, in 1942. He is married. From 1942 to 1949 he was employed by Nyegaard and Co., A/S, pharmaceutical manufacturers. From 1949 to 1950, he worked at the plant of Sandar Fabrikker, A/S, on research problems associated with the hydrogenation of oils. He now holds a fellowship from the Norwegian Society for Technological and Scientific Research.

Dr. Kenneth B. Wiberg, Instructor. Dr. Wiberg is primarily interested in theoretical organic chemistry. He comes from Columbia University, where he recently received his degree.

OLYMPIA NEWS

*Research Corporation Grant to
Dr. F. E. Horan*

Dr. Frank E. Horan, Jacob P. Rettenmaer, Professor of Chemistry at St. Martin's College, has just initiated a re-

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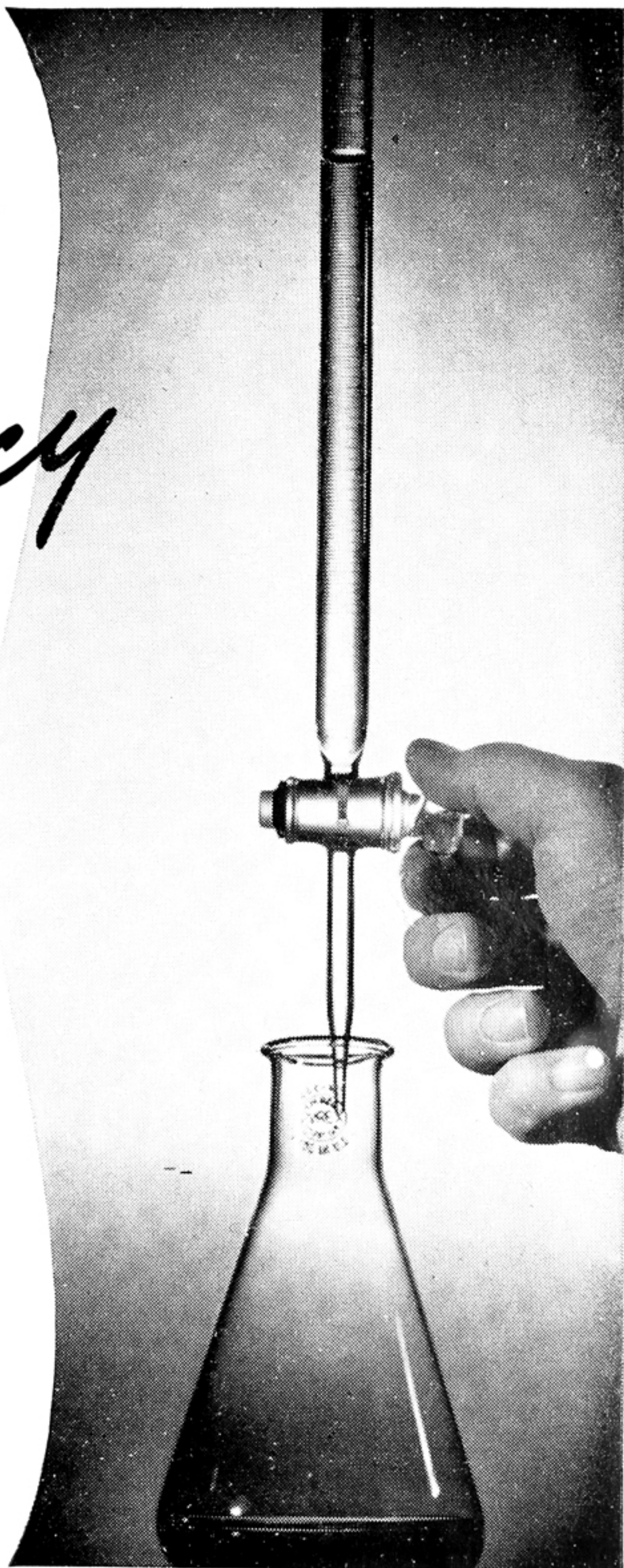



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search project to extend the knowledge of the effects of ultrasonic vibrations on the starch molecule. Shipment on the G. E. Ultrasonic Generator was received at the end of September and work began immediately with the assistance of James Bexter, senior in chemistry from Port Angeles, to whom a fellowship was granted by the college for this purpose.

The generator will also be put to use by the Rev. Bede Ernsdorff, professor of organic chemistry, in continuing his study of selenium oxide action on pyridine homologues.



The activities of the St. Martin's College Chapter of Student Affiliates of the American Chemical Society will be under the direction of Tom Marshall of Olympia during the first semester. At a recent election Arvid Shoblom of Olympia was chosen Chairman-elect; Bernard Steckler, Secretary; Charles Lang, Treasurer, and Jim Baxler, Executive Committeeman. Dr. Horan is Faculty Advisor for the group this year. The Chapter closed a successful year last spring with an all-day joint meeting with the Student Affiliates of the College of Puget Sound.



OREGON NEWS

The October meeting of the Oregon Section of the American Chemical Society was held at Reed College, Portland, Oregon, on Saturday, October 14, 1950. The speaker was Dr. Vernon Cheldelin of the Department of Chemistry, Oregon State College, who has just returned from a year's leave of absence from the Enzyme Institute, University of Wisconsin. His subject was "Recent Progress in Pantothenic Acid Research."

Pantothenic acid, the anti-gray hair vitamin (for rats only — not Homosapians), has been a "vitamin without a use" ever since it was discovered. During the past three years, however, biochemical research has disclosed that this vitamin plays a central role in the oxidation of fats in the body.

Dr. Cheldelin's laboratory at O. S. C. has been actively engaged in the isolation of two new conjugates of pantothenic acid, which promote the biological activity of this vitamin.

The next meeting of the section will be held in conjunction with the Northwest Section of the Electrochemical Society, in Corvallis, on November 18. There will be an afternoon trip through the Bureau of Mines zirconium pilot plant in Albany. At the evening meeting a representative of the U. S. Bureau of Mines will discuss "Electrolytic Zirconium." Prof. Joseph Burnett of Reed College will also review "Research in London." Dr. Burnett recently returned from a year of study at the University of London.



Latest addition to the Chemistry Department staff at the University of Oregon is Duncan W. Cleaves who has been appointed Instructor in Chemistry. Mr. Cleaves comes from the laboratory of T. Dale Stewart at the University of California, where a few formalities remain to be completed before he receives his doctor's degree this winter. Before enrolling as a graduate student, our new man had eight years of experience in chemical industry following his graduation from Brown University in 1940. Among his varied experiences are three years in Chile refining copper for the Chile Exploration Company and two years with the International Minerals and Chemical Company in San Jose, California refining monosodium glutamate. It was at this last company that he met his wife, Jeanne. He was born in Bangor, Maine, and still thinks that it rains *all the time in Oregon*. He may be right.



The first commercial shipment of wood-sugar molasses made in the nation's history was sold at Oregon Wood Chemical Co., Springfield, on August 13, to a local dairy farmer.

The molasses, made by a new process in large-scale quantities for the first

time at the Springfield plant, is being sold at the same price level as other types of molasses. Cane and beet sugar molasses have been the major products on the market. Government chemists and others who have experimented with the new molasses have predicted the substance can and possibly will become a major competitor.

At present Dr. Elwin E. Harris, chemist specialist with U. S. Forest Products Laboratory, Madison, Wisc., is conducting research at the plant and coordinating production techniques.

The new molasses has been tested by numerous colleges and range stations in the nation and has been proved high in carbohydrates. It is made from glucose sugar converted from cellulose.

R. B. Dean

NATIONAL NEWS

Total attendance at the 6th National Chemical Exposition in the Chicago Coliseum September 5-9, 1950, was 19,686 on a total registration of 14,134, an analysis of the records showed two major exhibitors representing practically all the country's principal producers of chemicals and chemical equipment.

All but two states, Arizona and Nevada, were represented. Illinois led with 8,200 names, of which 6,680 were from Chicago and its suburbs. Indiana was next with 817, followed by New York with 618, Wisconsin with 596, Ohio with 575, Michigan with 516 and Pennsylvania with 486.

Foreign countries represented totalled 24, Canada leading with 86. Other nations registered, all with one to three representatives were: Austria, Brazil, British Columbia, Chile, China, Cuba, England, France, Germany, Greece, Holland, India, Israel, Jamaica, Japan, Mexico, Norway, Panama, Philippines, Poland, Puerto Rico, Sweden and Switzerland.

She was working her way through college selling Collier's but all the boys wanted to take Liberties.

NOVEMBER, 1950

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ENGINEERS EXCEL IN CULTURAL TESTS

A modern concept of scholarship on the part of the University of Washington chapter of Phi Beta Kappa, and the effective development of the Division of Humanistic-Social Studies in the College of Engineering may be held jointly responsible for the fact that out of 85 students elected to membership in the chapter last May, 21 were enrolled in the College of Engineering. To qualify for membership in this progressive chapter of the oldest honorary fraternity in the United States, an engineering student not only must have a very high grade point in his courses but must pass a comprehensive test in six fields: current social problems, history, literature, science, fine arts, and mathematics.

Outstanding records in the examinations were made by Glenn D. Elmer, an M. E. student, who took second place among 85 with a total centile rating

of 5.92, Leonard A. Back (E. E.) and Howard T. Tupper (Ch.E.), who tied for third place with 5.88, and Robert R. Larson (A.E.), who was fourth with 5.87. The highest score, 5.94, was made by a psychology major.

This significant trend at the University of Washington, although shattering the long-cherished engineering tradition of the "rough-necked he-man," goes far to prove that the University is doing its part to fill the demand of modern industry for engineers who are well rounded citizens as well as competent technologists.

The primary objective of the humanistic-social courses for engineers at the University of Washington is not to lay down a barrage of endless unrelated facts but to stimulate the students' intellectual curiosity in fields outside their professional interests; its secondary purpose, to trace throughout the ages the interrelationships of man's endeavors and accomplishments in order to plot his place in the modern cosmos.

—The Trend in Engineering

FOOD BULLETIN

A new condensed bulletin of edible surface active agents is now ready. It includes emulsifying, stabilizing, defoaming, thickening, suspending, and softening agents for the food and allied industries.

These products are made with natural fats and oils under rigid control to definite specifications. By means of these modern materials improved products and economics are possible. They are being used to advantage in baked goods, candy, chewing gum, ice cream, oleomargine, peanut butter, yeast, etc.

This new bulletin contains data on these materials and suggestions for their use. It may be obtained from the Glyco Products Co., Inc., 26 Court St., Brooklyn 2, N. Y.

The eager relatives gathered for the reading of the will. It contained one sentence: "Being of sound mind, I spent every cent I had."

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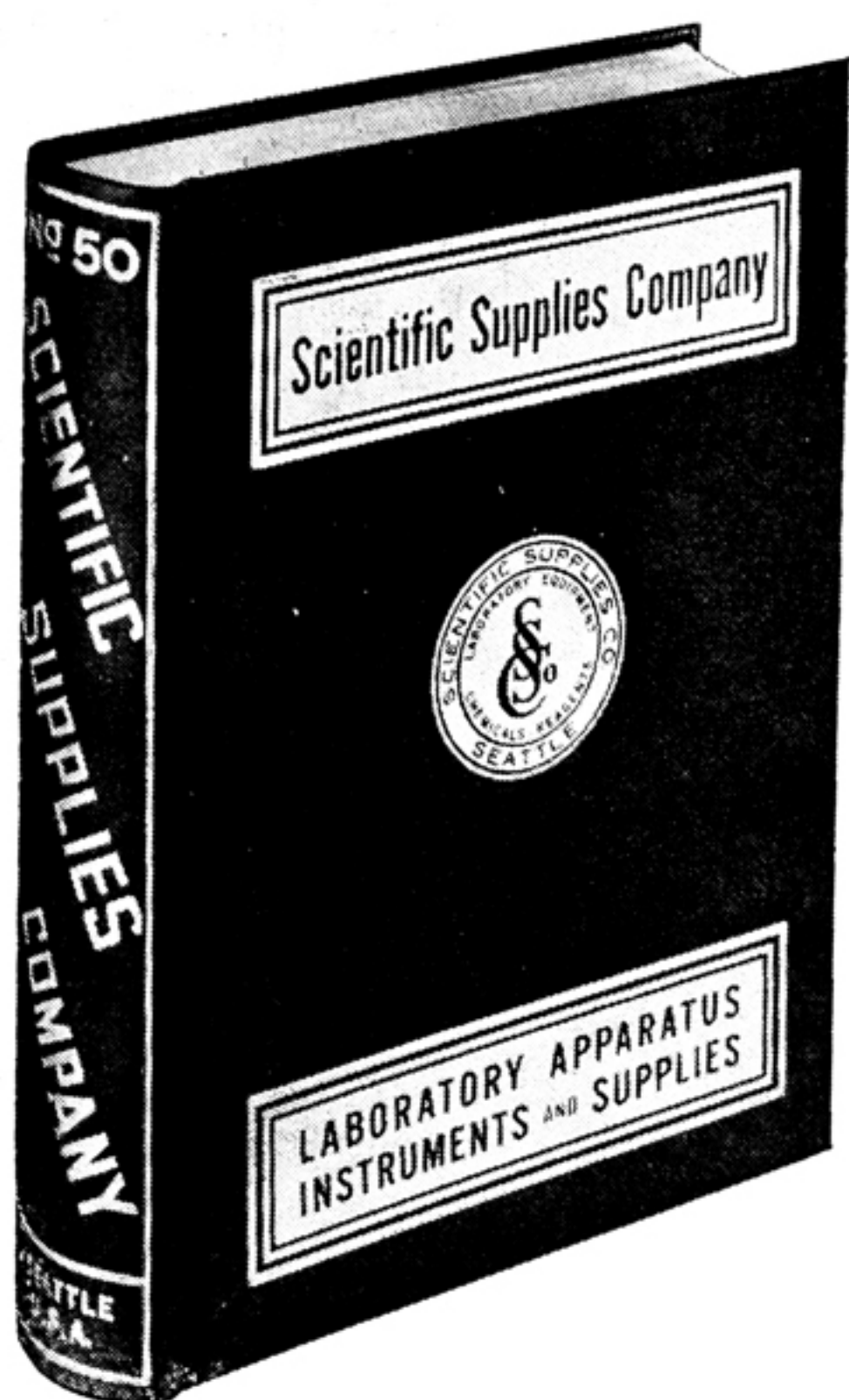
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INTERNATIONAL CHEMICAL CONCLAVE

Outstanding chemists and chemical engineers from more than thirty countries will assemble in New York in September, 1951, to participate in the largest international chemical conclave in history, it is announced by Dr. Ernest W. Volwiler, president of the American Society.

Both the Sixteenth Conference of the International Union of Pure and Applied Chemistry and the Twelfth International Congress of Pure and Applied Chemistry will convene following the seventy-fifth anniversary meeting of the American Chemical Society, scheduled for the week of September 2.

The combination of international meetings will be the first of its kind in the United States since 1912, although the International Union met in Washington in 1926 when the American Chemical Society marked its golden jubilee.

Dr. James Bryant Conant has been named honorary president of the Twelfth International Congress. The Congress is held every four years to enable leaders in the various branches of chemistry and chemical engineering to exchange information.

Professor Arthur B. Lamb of Harvard has been appointed chairman of the committee on organization for both the Congress and the International Union meeting. The two international sessions will be sponsored by the Division of Chemistry and Chemical Technology, National Research Council, of which Professor Albert Noyes Jr. is chairman.

Wanted!

FOR 1951

★ ★

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Editors for the
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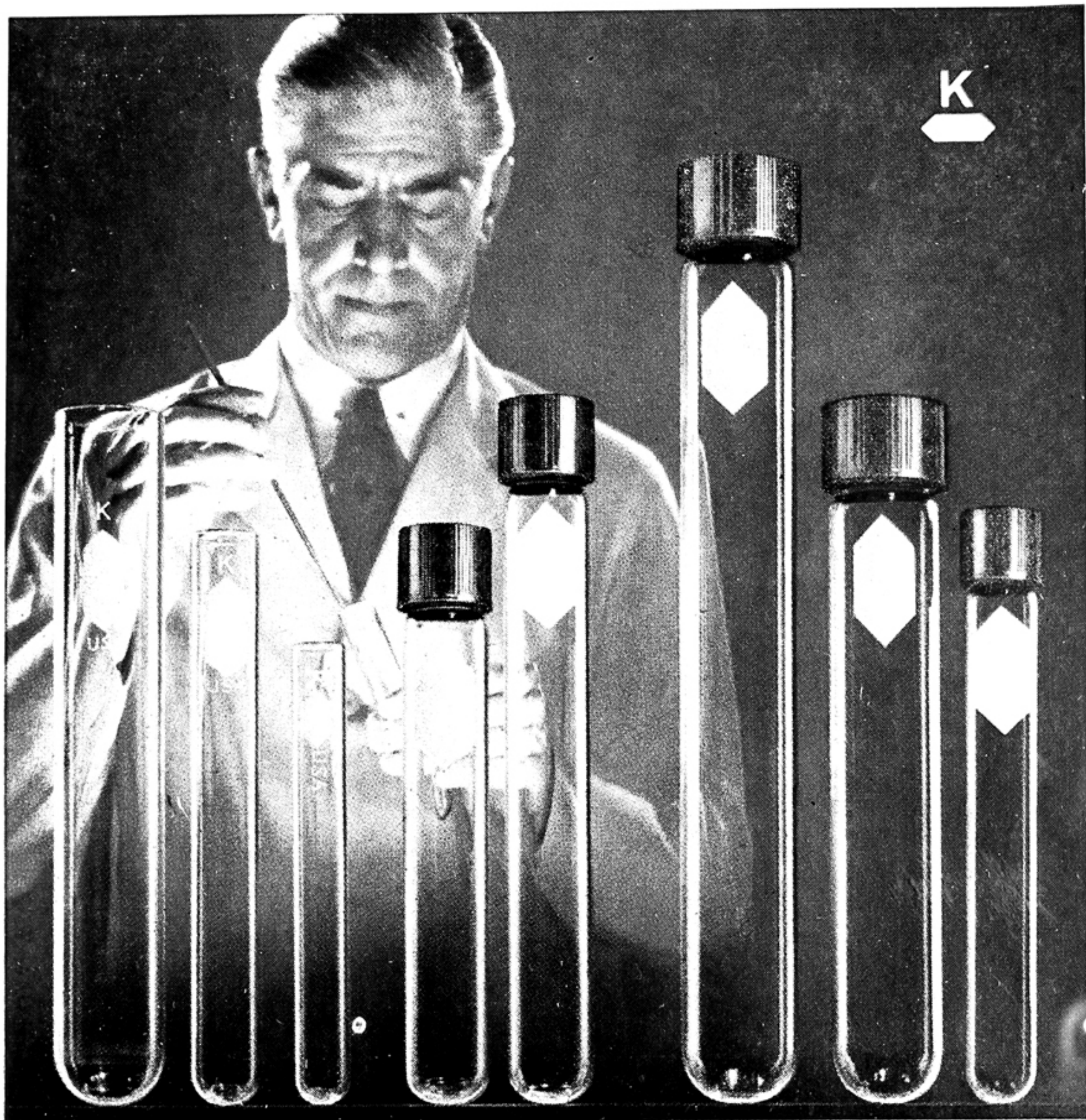


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CONTAMINANTS

MISCONCEPTION

A gentleman, on being informed that he was the father of triplets, was so overjoyed that he rushed immediately to the hospital, where his wife and newly-acquired family were and dashed pell-mell into the room.

The nurse was irritated and remonstrated with the father.

"Don't you know better than to come in here in germ-filled clothes? Why, you're not sterile."

Retorted he, "Lady, are you telling me?"

A chemist whose nerves were upset,
For cyanide used a pipette,

As his last moments came,

He was heard to exclaim,

"It must have been something I et!"

POINT OF VIEW

Believing to recognize her husband, a lady in a suburban train left her seat and put her arms around a man sitting several seats ahead. Naturally she was greatly embarrassed when the man turned around, and she saw that he was a perfect stranger.

"Oh—pardon me," she stammered, "but your head behind looks exactly like my husband's behind!"



"Well, what excuse have you got for coming home at this hour of the night?"

"Well, my dear, I was playing golf with some friends and . . ."

"What? At 2 A. M.?"

"Sure, we were using the night clubs."

"Wonder which is more satisfied—a man with a million dollars or a man with six kids?"

"A man with six kids."

"Can you prove it?"

"Well, a man with a million dollars always wants more."

Customer: "That bread you sold me yesterday was like the weather today—rather dry."

Grover: "Was it? Your account is like the weather was yesterday—unsettled."

Indignant woman to luscious looking librarian: "Funny you don't have that book. My husband said you had everything."

A Dad Burned Fool is Rudolf Zane;
He distilled ether with an open flame.

While an impatient motorist honked and honked behind her, a young matron tried to start her automobile stalled at a traffic light. Finally she got out, walked back, and suggested pleasantly, "If you'll go up there and start my car, I'll stay here and blow your horn."—*El'chem Magazine*.

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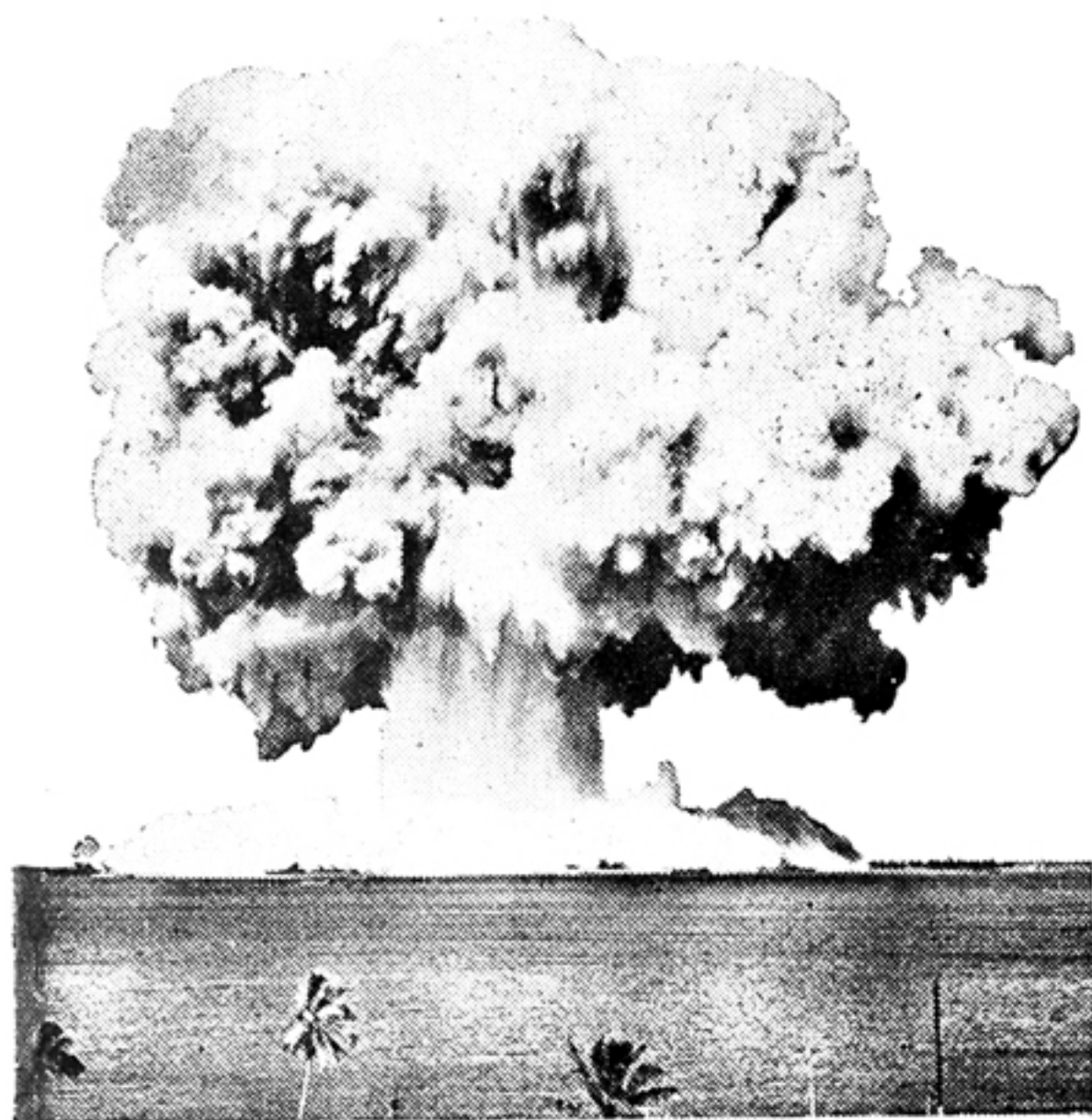
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