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BULLETIN OF THE PUGET SOUND SECTION OF THE AMERICAN CHEMICAL SOCIETY

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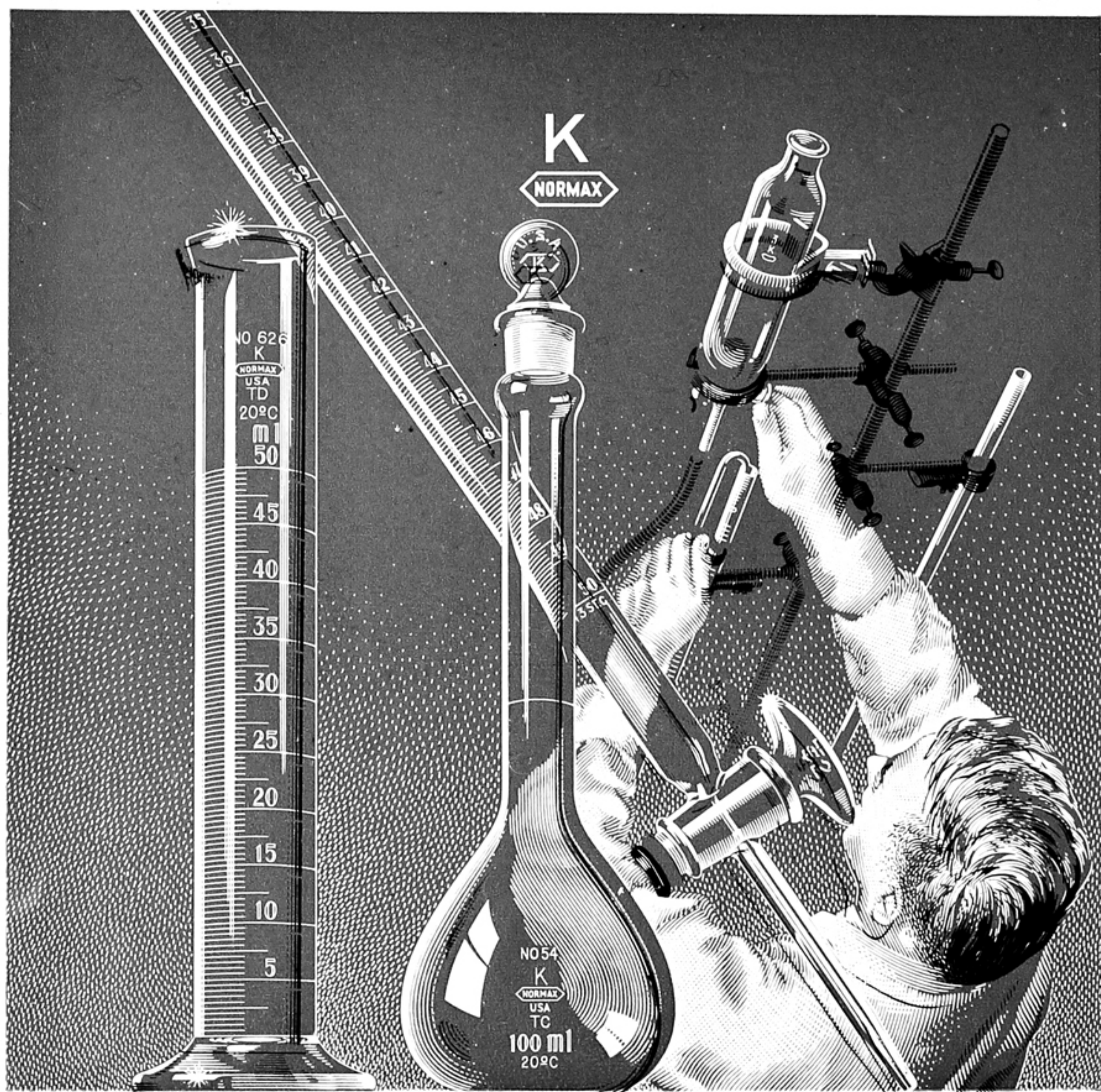
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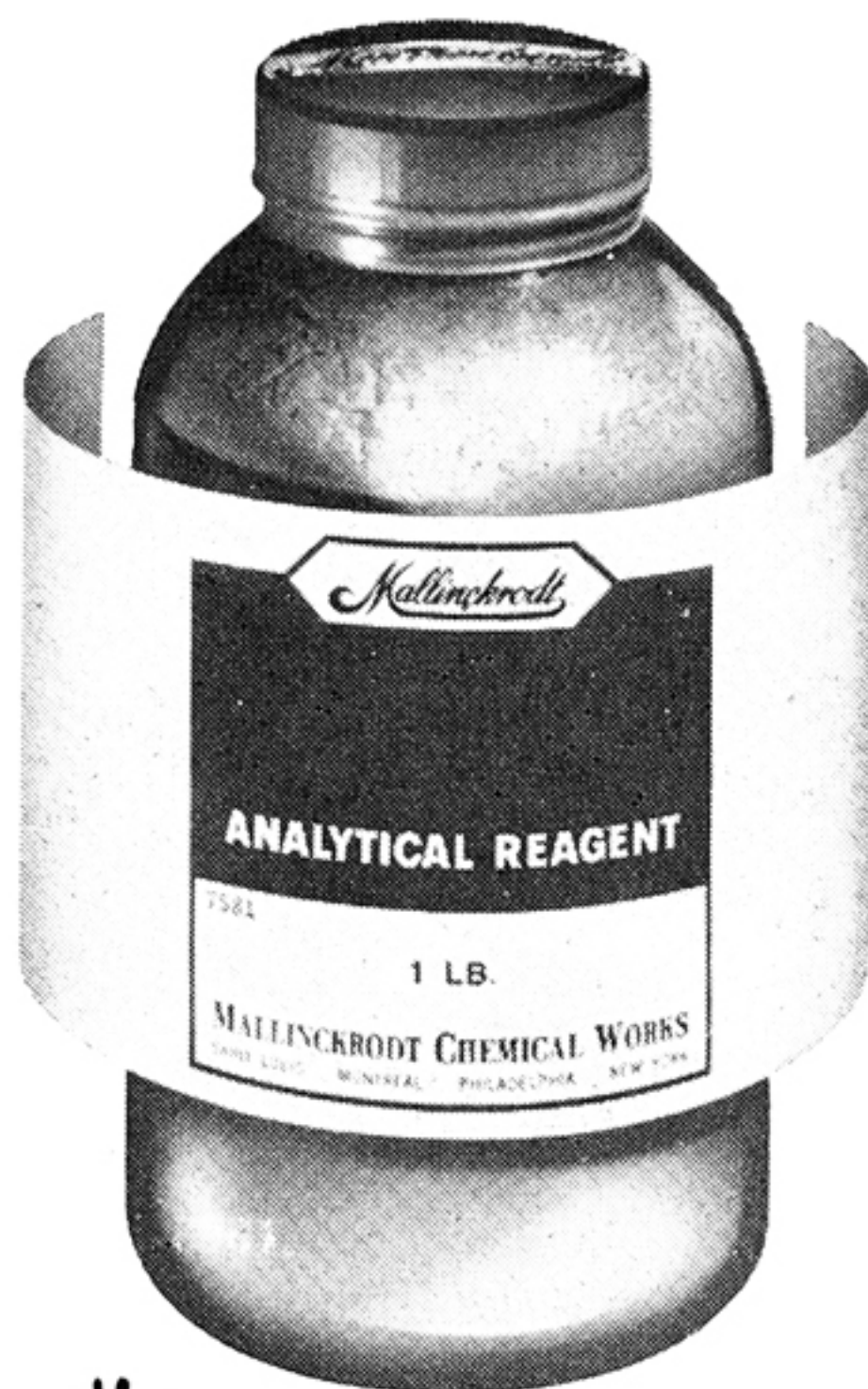


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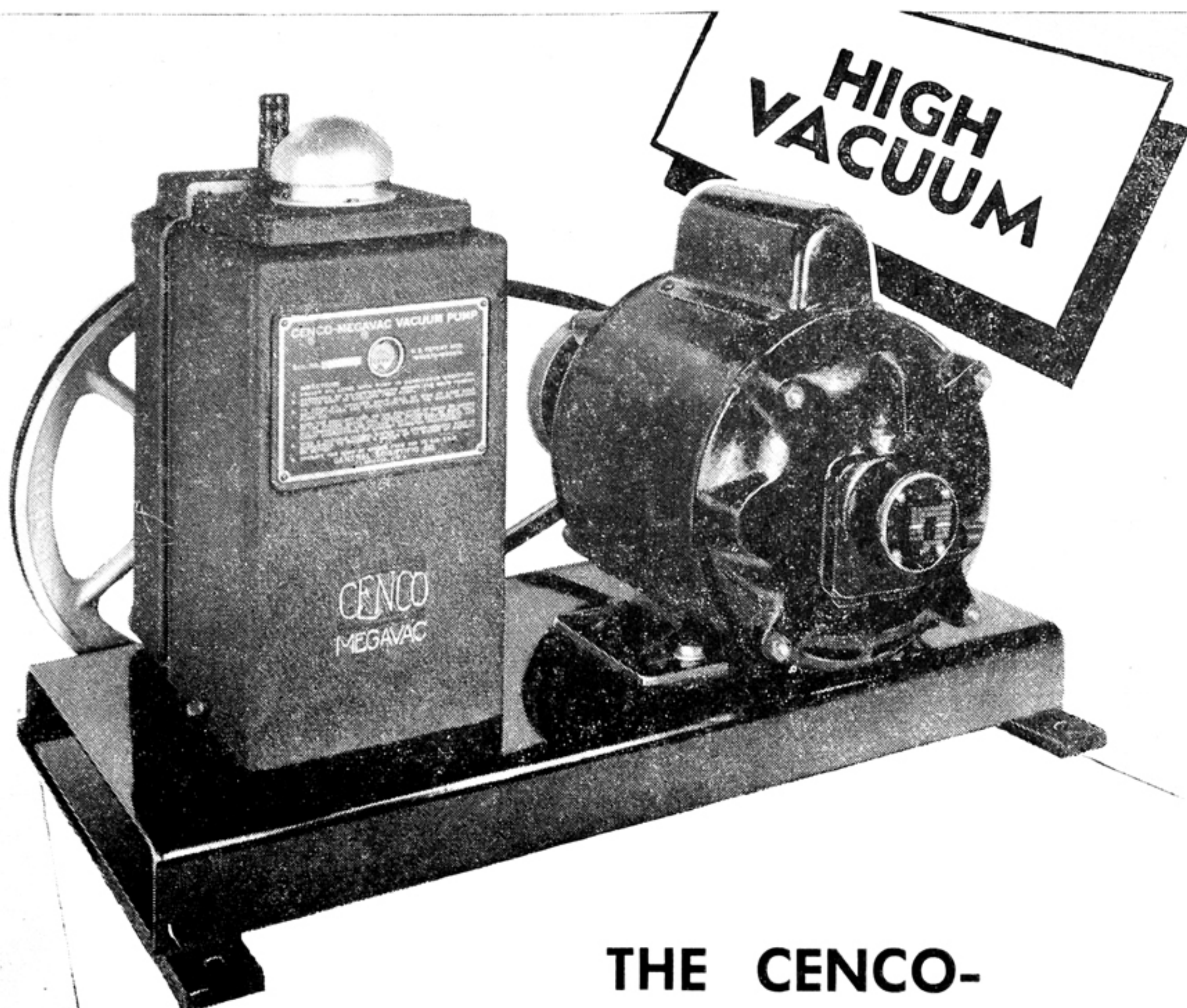
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Alkali	0.001%	Chlorides, per cent	0.001%
Carbonate, per cent	0.001%	Sulfates, per cent	0.001%
Iron, per cent	0.001%	Calcium and Magnesium	0.001%
Lead, per cent	0.001%	Phosphorus, per cent	0.001%
Mercury, per cent	0.001%	Mercury, per cent	0.001%
Strontium, per cent	0.001%	Barium, per cent	0.001%

Net Wt. 100 g. Net Wt. 100 g.

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A black and white photograph showing a hand holding a small glass vial and a white pill. The hand is positioned as if about to place the pill into the vial. Below the hand, another similar glass vial is visible, partially filled with liquid. The background is plain white.

The image shows a large, cylindrical container of Merck Sodium Hexafluoroantimonate. The container is wrapped in a white, textured material, possibly paper or plastic, with a black label in the center. The label features the Merck logo and text including 'MERCK', 'SODIUM HEXAFLUOROANTIMONATE', and 'ANT 3400'. The container is shown from a slightly low angle, emphasizing its size.

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## Der Internationale Scientist

We have had several communications from the eminent electrochemist Prof. Der Sol Neman expressing great concern over the inaccuracies which have crept into our concepts, particularly with respect to the history of our science. To emphasize his point, he has offered us the only true version—which he designates euphemistically as the “Lohdaun”—of Benjamin Franklin’s Classic work on atmospheric electricity. He is particularly anxious to have us note that his contribution shows the classic purity of his native tongue, not the corrupted jargon which has become current in the land of his birth since he emigrated to the U.S.A.

We admit that we entertained some fears lest this historical mark the beginning of a series, but the Professor has reassured us on this score, pointing out that his scientific labors—he is at present engaged, ‘inter alia’, in translating the “Corrosion Handbook” into his own language—would in any event make impossible more than a brief communication “wanz in a Weil.”—Ed.

★

Der Franklin der war ein rechter Tschinius, immer bissig mit Inwentschiuns wie zum Geispiels sein Stohf, den wir bis heute noch bei seinem Namen kennen. “Bei Galli,” so meinte er eines Tages, “es ist doch e’Skandal und e’Schehm, dass so viele Haeuser von Leitning gestrikt werden. Wenn ich das preventen koennte, es waere schuhr eine kuehle Million wert. Aber was ist denneigentlich der Leitning? Ennihau, ich habe e’Honntsich.”

Also baut er e’Keit, mit einer langen Strin mit e’kieh am Ende, und geht in die Beckjahrt, ihn zu fleihen. Und wie es zu regnen anfaengt, und der Leitning fleschet, so strecket er e’Knockel an den Kieh, und achherrjesses! der Spark rippt ihm Zwei Fingernehl und e’Viertelskwerrfuss Skinn von her Hand ab, und der Fraklin weiss nun, von dem schoch, Dass Leitning and Elektrizitdet alleik sind.

Sodann steight er auf die Ruf mit

e’Bumberschuht mit e’Stiehl Haendel, und wartet fuer mehr Leitning; aber die Deborah, — das wer Seine Frau, — sie hollert, sein Sopper sei rettig, und er soll Hoerriopp machen und aufwaschen und ins Haus kommen. Also macht er den Bumberschuht an den Daunspaut fest . . . und has war der erste Leitningrad.

Der Franklin war lockig, und so lebte er noch vierzig Jahre und hat alle gefaesinetet—besonders die Lehdis—aber ein russischer Physiker, der den Keitexperiment repieten wollte, wurde vom Leitning gekillt,\* . . . was alles pruhft, der wahre Scientist hat nicht senns genug, von dem Rehn auszukeipen.

\*Another Russian “first”?—Ed.

★

## J. T. Baker Chemical Co. Develops New Lab Reagent

Development of a more stable sodium sulfide, in a new pentahydrate form designed for laboratory use, was announced today by the J. T. Baker Chemical Co., Phillipsburg, N. J.

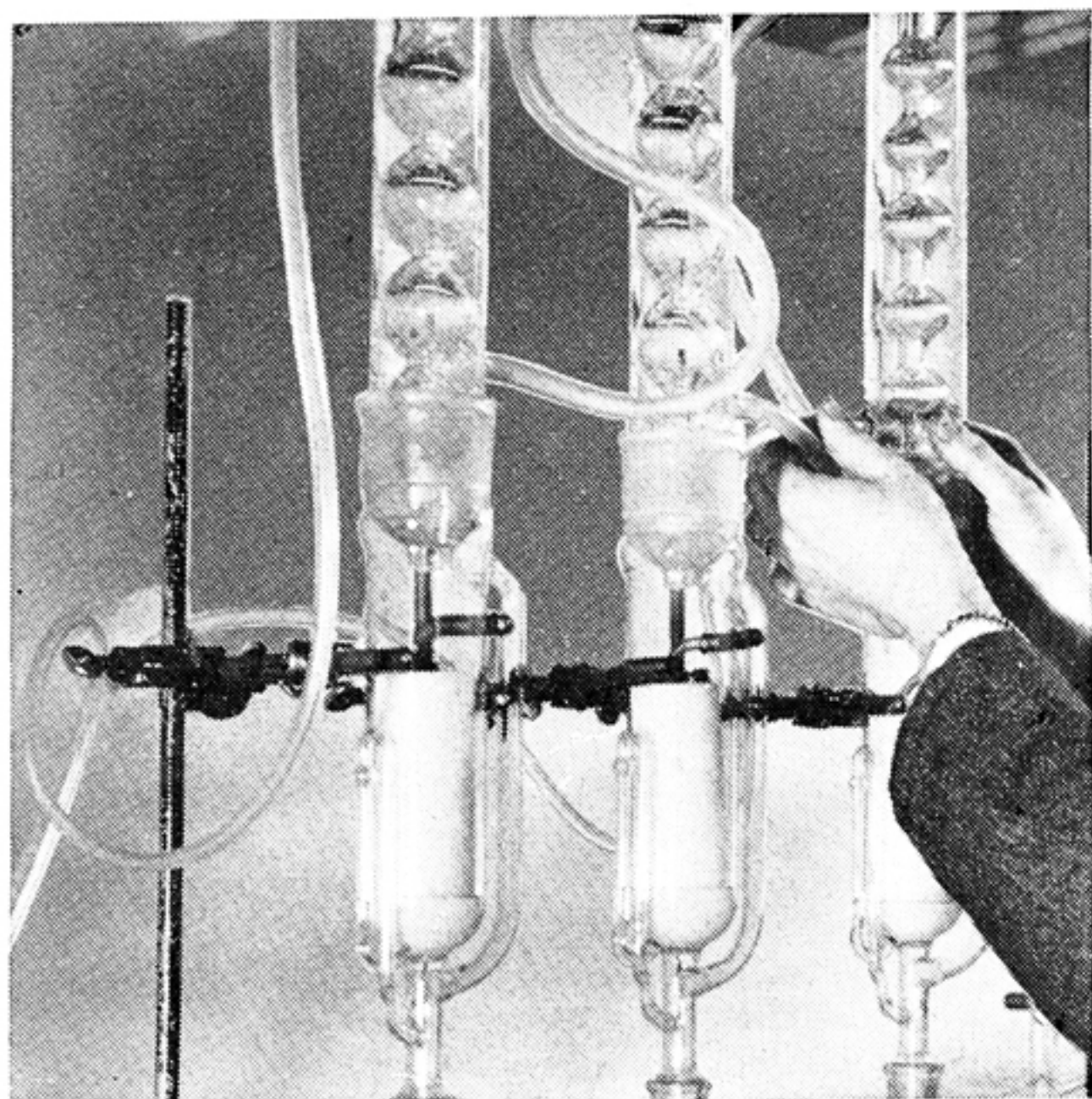
Containing only five molecules of water, the improved reagent grade form will not melt or become discolored during storage at temperatures up to 90 degrees C., a company spokesman said. Sodium sulfide has been commercially available only in the form containing nine molecules of water, which created a tendency for the chemical to melt in its own water of crystallization at 38-45 degrees C. Also, with the older form, one-third the contents of the container often would be reduced to solution after a few months storage.

The new pentahydrate sodium sulfide, prepared in dry crystals, is easily handled and weighed, and dissolves in water to form a clear, colorless solution, according to the company spokesman.

Specifications of the new sodium sulfide are listed in the firm’s catalogue, which is available to users and buyers of laboratory reagents.

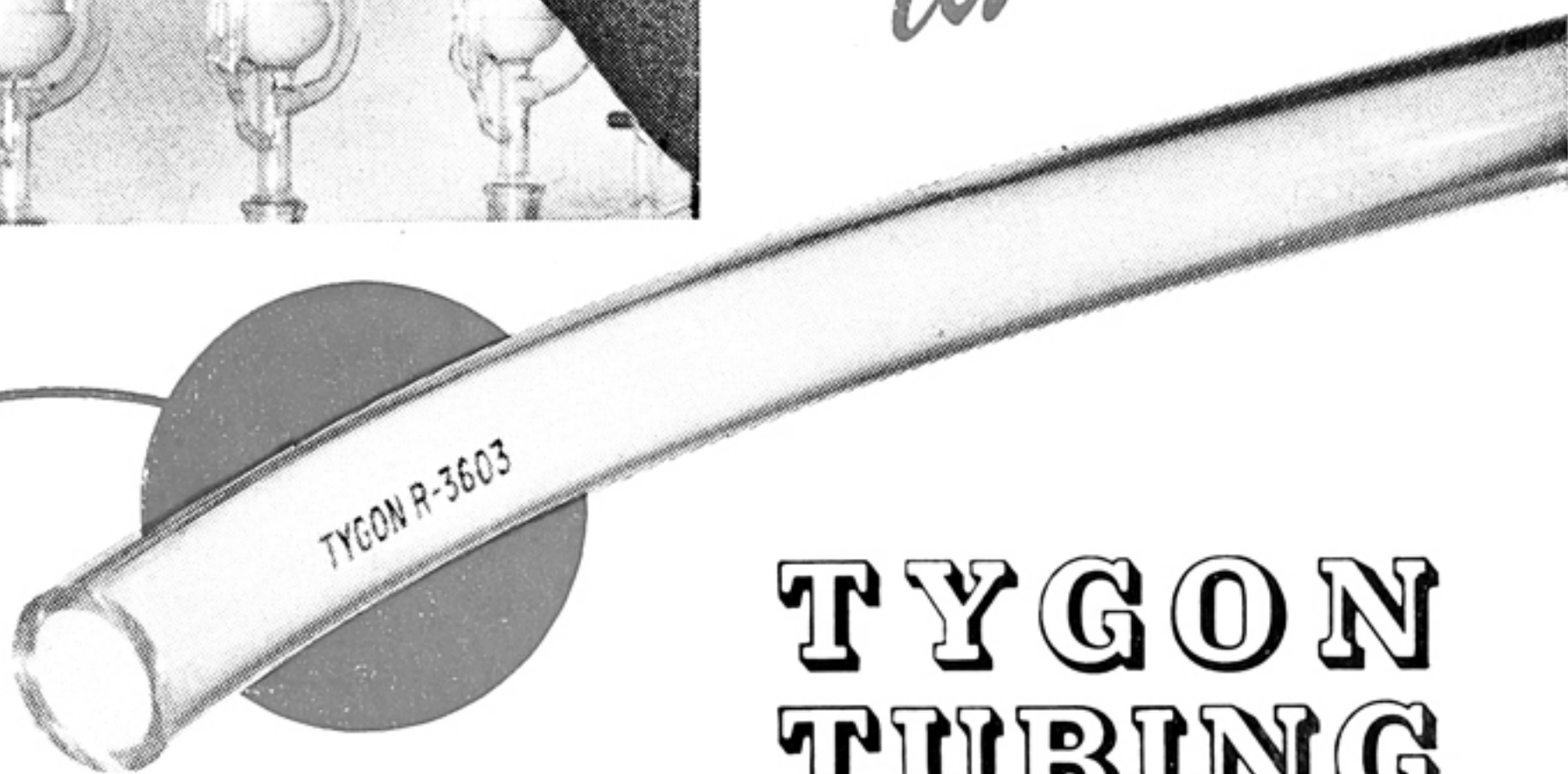
Baker is one of the largest producers of laboratory reagents, and was the originator in this country of printing the actual lot analysis of each reagent on the label.





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## 122nd National A.C.S. Meeting To Be Held in Atlantic City

Chemical advances in fields ranging from sanitation to weed killers, which will help the world meet the rising food needs of its ever growing population, will be reported at the 122nd national meeting of the American Chemical Society, to be held in Atlantic City, N. J., September 14 through 19.

More efficient use of fertilizers, improved plastic packaging and the preparation of special dietary foods are among the widely varied topics to be discussed in several hundred papers before nineteen scientific and technical divisions of the Society, according to an announcement by Dr. Edgar C. Britton of Midland, Mich., president of the Society and director of the organic research laboratory of the Dow Chemical Company.

Cancer prevention studies, progress in the production of better paints, inks, and adhesives, and recent developments in the chemistry of petroleum also will be described at sessions which will be attended by more than 8,000 chemists and chemical engineers. Representatives will be present from the Society's 139 local sections in all parts of the country, as well as Puerto Rico and Hawaii.

A highlight of the meeting will be the presentation of the Society's Priestley Medal, highest honor in American chemistry, to Dr. Samuel Colville Lind of the Carbide and Carbon Chemicals Company staff at the Oak Ridge (Tenn.) National Laboratory. Dr. Lind, who is internationally known for his research on radium and radioactivity, will receive the medal at a general assembly of the Society on Monday night, September 15, at the Atlantic City Convention Hall. He is a past president of the Society and dean emeritus of the University of Minnesota Institute of Technology.

Recruitment of outstanding young men and women into the chemical profession will be the topic of a symposium sponsored by the Division of Chemical Education, with Dr. Henry E. Wirth, vice-chairman of the Department of Chemis-

try in Ohio State University, as symposium chairman. Prospects for the expansion of the chemical industry in the Middle Atlantic area will be discussed in a symposium of the Division of Industrial and Engineering Chemistry under the direction of Dr. Arthur B. Hersberger, manager of the chemical products division, Atlantic Refining Company, Philadelphia.

Plastic food packages that will withstand storage, deep-freezing, and also cooking and serving will be described in a symposium on monochlorotrifluoroethylene polymers, sponsored jointly by the Divisions of Polymer Chemistry and Industrial and Engineering Chemistry. Dr. William E. Cass of the General Electric Research Laboratories, Schenectady, N. Y., will preside.

"Sanitation and Disinfection" will be the title of a symposium led by Dr. Henry C. Marks, director of research of the Wallace & Tiernan Company, Belleville, N. J. This symposium, under the auspices of the Division of Water, Sewage and Sanitation Chemistry, will include a survey of sanitation in the food industry.

The Division of Agricultural and Food Chemistry will conduct several symposia, including one on the formation and action of weed killers under the chairmanship of Professor Alden Springer Crafts of the University of California Department of Botany.

"Special Dietary Foods" will be the subject of another, led by Dr. James R. Wilson, secretary of the Council on Foods and Nutrition of the American Medical Association.

Joint symposia will be held by the Agriculture and Food Division with the Division of Chemical Literature on "The Literature of Food Chemistry," under the chairmanship of Earl D. Stewart, the chief chemist of Schwartz Laboratories, Inc., New York, with the Division of Sugar Chemistry on the production of sugars by microorganisms, under the direction of Dr. L. A. Underkofler of Iowa State College; and with the Division of Colloid Chemistry on "The Natural Plant



Hydrocolloids," with Leonard Stoloff and Z. E. Keretsz in charge.

"The Potentials of Fertilizer Use for More Efficient Crop Production" will be the theme of a symposium conducted by the division of Fertilizer and Soil Chemistry. A technical session on some of the properties of amino acids, proteins, and peptides will be sponsored by the Division of Biological Chemistry.

Cancer research problems encountered in the "Screening of Tumor-Inhibitory Substances" will be considered by the Division of Medicinal Chemistry.

A symposium on "The Unsolved Problems of the Petroleum Industry" will be held under the direction of Dr. W. A. Gruse of the Mellon Institute, Pittsburgh, by the Division of Petroleum Chemistry. Symposia will also be held by the Division of Analytical Chemistry on the size of cellulose molecules, by the Division of Gas and Fuel Chemistry on combustion and by the Division of Organic Chemistry on organic phosphorus.

The Divisions of History of Chemistry, Paint, Varnish, and Plastics Chemistry, and Physical and Inorganic Chemistry will also convene.

Most of the divisional meetings will be held in the Convention Hall, but the Paint, Varnish and Plastics Division will meet in Haddon Hall and the Division of Polymer Chemistry at the Chalfonte. The Hotel Traymore will be general headquarters. Registration will open Sunday afternoon, and technical sessions will start Monday morning.

An exhibit of books on chemistry, excursions to chemical plants in the vicinity, and a special program for women chemists and wives of chemists are planned.

The Society is the world's largest professional association of scientists, with 67,000 member chemists and chemical engineers.

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Experience keeps a dear school, but fools will learn in no other.

## **New Laboratory Jack Offers Many Advantages**

What appears to be a most practical and useful tool for the laboratory is the new Cenco-Lerner Lab-Jack. This unique device provides the laboratory with an all-purpose, general utility support that is light in weight, sturdy and compact and, according to the manufacturer, considerably faster in action than conventional supports. Utilizing the scissors-jack principle, the Lab-Jack permits quick, accurate adjustment of height over a wide range. The range of elevation is about seven inches and the maximum platform height is 10 $\frac{1}{4}$ ".

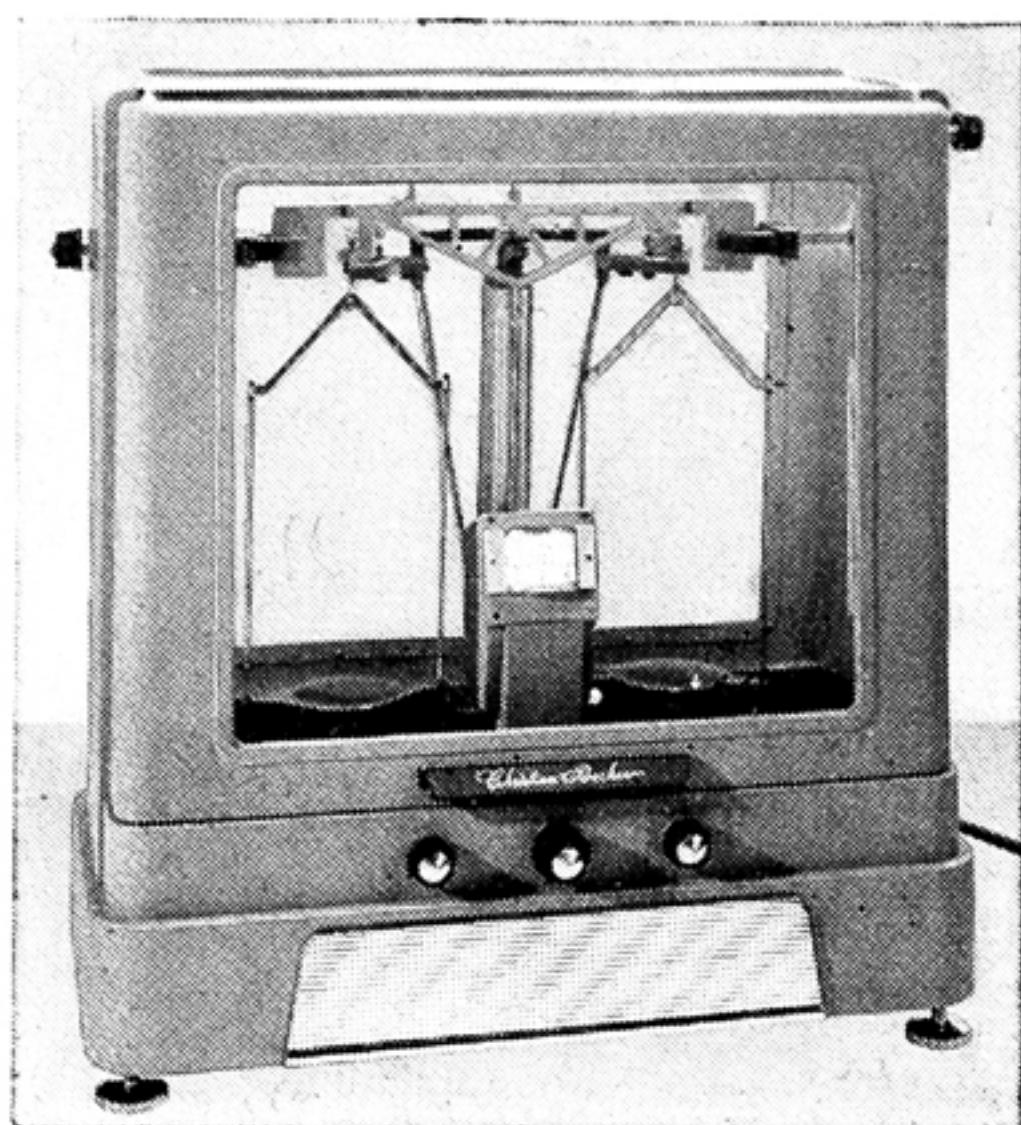
The Lab-Jack is recommended for use in isotope research where precision setups are required and great care must be exercised to prevent breakage of glassware. It also offers worthwhile advantages when used for supporting hot plates, oil baths, large Dewar flasks, ground-joint glassware, receivers, etc. Its speed and ease of operation are especially important when raising or lowering a hot oil bath. For laboratory setups as required in biochemistry, organic chemistry and physical chemistry, it is said to offer many advantages of support over the standard ring stand.

The smooth, accurate operation of the Lab-Jack is controlled by a large plastics knob, thus eliminating the loosening and tightening of cumbersome thumbscrews and set screws. As a result, heavy objects are moved easily as lightweight items.

The Lab-Jack is made of aluminum and stainless steel. The base and top plate dimensions are 5 $\frac{1}{2}$ " x 4 $\frac{3}{4}$ ". A larger plate, measuring 8" x 8", which fits snugly on top, is also supplied to increase the area of the platform. In addition, a support rod is furnished for use if desired. The total weight of the jack is about 4 lbs., 10 oz.

Full details about the new Lab-Jack are contained in Circular 1213 which may be had by writing the manufacturers, Central Scientific Company, 1700 Irving Park Road, Chicago 13, Illinois.





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