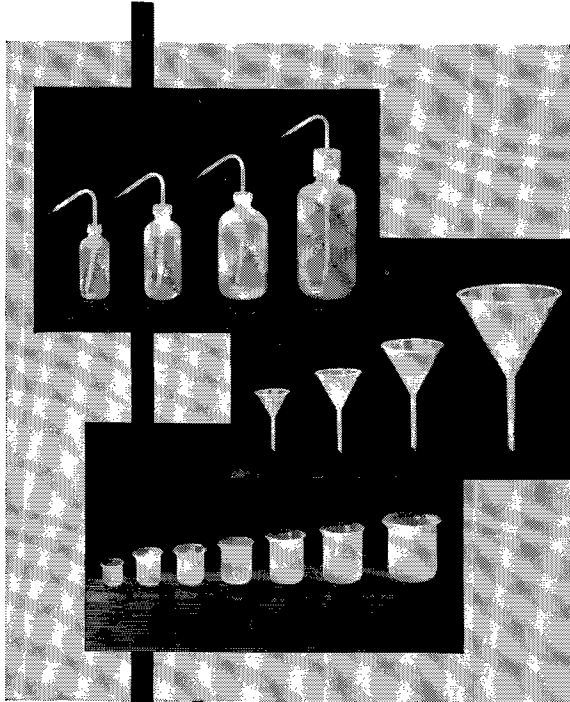


Thomas assortment of POLYETHYLENE POLYPROPYLENE TEFLON

... and other Plastic Laboratory Ware



Unbreakable • Chemically Resistant

Our new 24-page bulletin No. 114-A illustrates and describes 406 items of laboratory ware fabricated from plastic materials, some of the newer items being:

- Aspirator Bottles, Polyethylene
- Centrifuge Tubes, Polypropylene and Teflon
- Cylinders, Graduated, Polypropylene
- Dishes, Teflon
- Filter Pump, Polyethylene
- Policemen, Polyethylene and Teflon

Included in the bulletin is data as to the physical and chemical properties of the various plastics, with information as to the purposes for which each is most suitable.

Polyethylene is now available in a higher density type than heretofore. This new type is more rigid than the former lower density type and can be used up to 100°C. Polypropylene is harder, with greater strength than either type of polyethylene and can be used up to 130°C.

Teflon is the most resistant chemically of any material now used in laboratory ware and can be used at temperatures from -265° to +315°C.

Copy of Bulletin No. 114-A sent upon request.

ARTHUR H. THOMAS CO.

Laboratory Apparatus and Reagents

VINE STREET AT THIRD

PHILADELPHIA 5, PA.

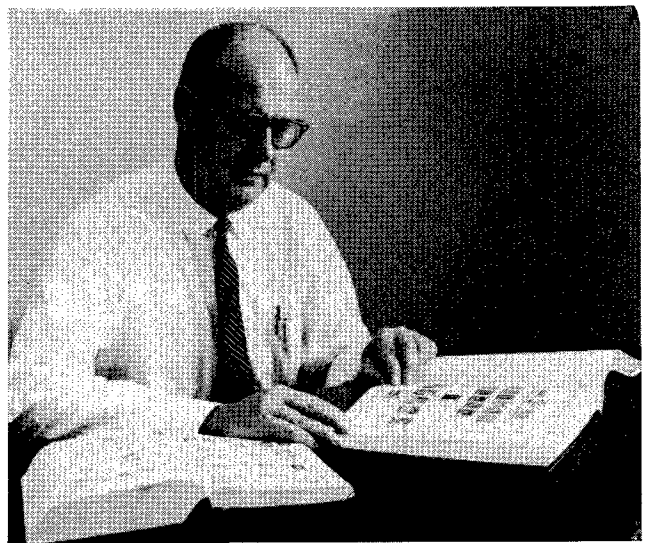
More and More Laboratories RELY ON THOMAS

• Hobby Department

A THREE-GENERATION stamp collection of 98,000 varieties, increasing in volume at better than 3,000 items a year, is the chief extra-curricular activity of Thomas F. Waters (II). It takes more than one hour a day to examine new arrivals and to handle the correspondence with other collectors. The stamp den in the Waters home at 241 Hillcrest drive, Wyoming, O., is crowded with 30 volumes. The cleaning woman is never permitted to enter this workshop, where Mr. Waters can, from his mental file, find a certain stamp among the hundreds of thousands of duplicates.

For a collection of this size one of the more productive sources of new material is the many auctions which are held by various dealers throughout the world. A fair amount of Mr. Waters' time is involved in scanning the many catalogs for these sales, which are received weekly, and in placing bids at auctions both in the United States and abroad.

Another source is correspondence with fellow philatelists. The mail may bring a letter from an A.O.C.S. member in Germany today, from a mining engineer in Chile tomorrow, from a commander in the navy in Philadelphia the next day, and so it goes.



A frequent sight in the Waters home is a wash basin filled with water and pieces of envelopes on which are the stamps from the mail of several offices at Procter and Gamble, Cincinnati, where Mr. Waters is associate director, technical service, factory. His secretary claims that he can smell a new stamp in the office mail while it is still outside in the corridor in the mail boy's cart. She says that her hardest task is to cope with his demeanor when she unwittingly discards a useful commemorative stamp in the wastebasket.

While the collection is a general one, most of the effort to complete the issues of a single country has been allocated to date in the Latin American area. For example, only three more stamps are needed to make a complete collection of the stamps of Guatemala.

This huge collection was started by Grandfather Waters, for whom T. F. was named. He was a minister in a small New England town, serving also as the local historian and archeologist. In the 1870's he turned to stamps also. Through missionary friends abroad he obtained many of the early stamps.

His son, growing up shortly after this time, became interested and maintained the collection until the mid-1920's, when his grandson, T. F. Waters (II), took over.



Formation of the Seaway Chemical Corporation is announced by Jerome Kritchevsky (1947-58), who until recently was vice president of the Stepan Chemical Company, Chicago. It will be an export-import agency specializing in chemicals and representing Stepan products in foreign markets. Offices will be at 427 W. Randolph until next spring, when Stepan moves to Northfield, Ill., and Seaway moves to 111 W. Monroe street, Chicago.

• *Names in the News*

Freeman G. Packard (1952) has left the Los Angeles Soap Company and is now with Industrial Engineers Inc., 817 E. 59th street, Los Angeles 1, Calif., as a consultant and sales engineer.

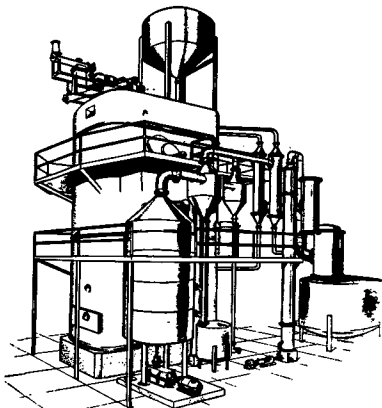
Paul R. Frohring (1944), president of General Biochemicals Inc., Chagrin Falls, O., has been elected a director of American Home Products Corporation.

Stuart H. Rider has been promoted from section leader of the Plastics Division's research department to assistant research director by the Monsanto Chemical Company, Springfield, Mass.

Arthur J. Freedman has been named research project leader at Nalco Chemical Company, Chicago. He is a specialist in corrosion research and inhibitor development.

SOLVENT EXTRACTION SYSTEMS

The country's leading processors of oil seeds have specified French Solvent Extraction Equipment again and again because of its versatility—ease of operation—economy—efficiency—safety—and finer and more profitable end products—all at no extra cost.

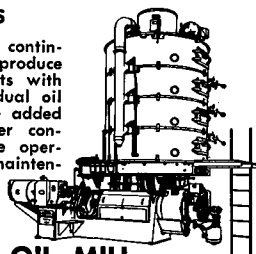


FRENCH

SPECIALISTS IN OIL MILLING EQUIPMENT SINCE 1900

SCREW PRESSES

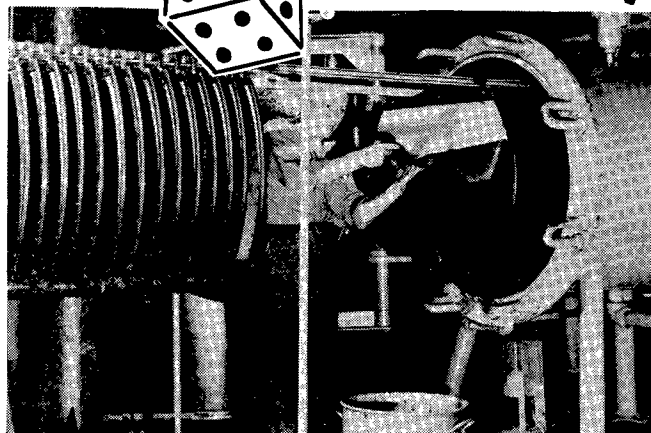
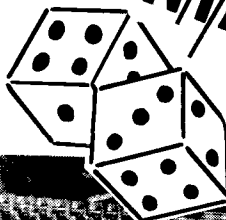
High capacity French continuous screw presses produce highest quality products with exceptionally low residual oil in meal . . . plus the added benefits of low power consumption and full-time operation with minimum maintenance.



- French Rolls
- Box Presses
- Formers
- Valves
- Pumps
- Accumulators

THE FRENCH OIL MILL MACHINERY CO.
PIQUA, OHIO U.S.A.

Don't Gamble with RANCIDITY and CONTAMINATION



An important manufacturer of lard formerly used a plate press and cloth system for filtering lard. Then it installed Hercules "Rapidor" Pressure Leaf Filters, employing Hercules Chrysolite (a fiberized asbestos pulp mixture) which forms layers on the fine mesh screening of the filter leaves.

Since installing Hercules Filters, the refiner finds that there is no contamination from one batch to the next due to rancidity of reused cloths. Layers of Chrysolite are discarded after each filter cycle.

Because the entire filter area is enclosed, there is no contact of the air with lard and the operation is more sanitary.

With other types of filters, refiners anxious to maintain quality, clean their filters daily because of fear of oxidation. With the enclosed Hercules Filter, cleaning is required only once in three days.

Again, the #20 Pressure Leaf Filter, with a capacity of 10 tons of lard an hour, saves 8c a thousand pounds, as compared with the former method. Since this plant has a daily production of 200,000 pounds, savings total \$16.00 a day—\$4800 a year.

Further savings are effected in cleaning—one man cleans the filter in 30 minutes as compared with the two hours required by two men formerly.

For complete details and descriptions of this equipment, write Hercules Filter Corporation.

HERCULES FILTER CORP.

216 Ethyl Avenue • Hawthorne, New Jersey

B It takes **100-year men*** to build **100** plants

Setting the pace in the diversified fats and oils industry is no small job. Yet through Blaw-Knox teamwork with progressive clients, new processes have been developed, new equipment designed, and over 100 plants erected.

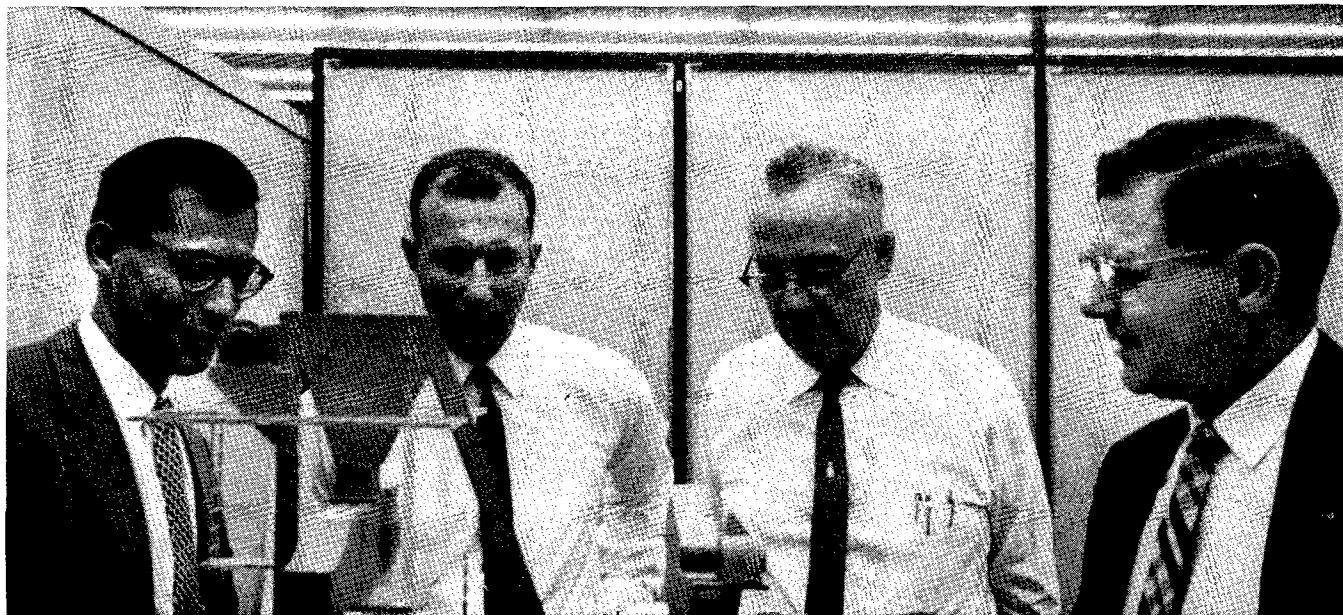
These Blaw-Knox men have contributed to the conception and development of the Rotocel Extractor... the world's largest deodorization unit, the industry's first radiant furnace, and the world's biggest extraction unit.

See how this creative manpower can work for you on your next plant or process project. Write for Bulletin 2515, or contact our engineers for a preliminary discussion. Blaw-Knox Company with headquarters in Pittsburgh; branch offices in New York; Haddon Heights, N.J.; Washington, D.C.; Birmingham; Chicago; and San Francisco.



plant builders for industry...

*Combined years of experience of project leaders pictured below.



George Karnofsky

Staff associate for the Vice President of Development and Research. Came to Blaw-Knox in 1943... helped evolve a program in solvent extraction. Invented and holds patents on the Rotocel Extractor. Participated in laboratory research on the properties of oil seeds. Reported findings in a short course of the American Oil Chemists. Contributed to vapor desolventizer-deodorizer process for producing high protein soluble meal.

Reno J. White

Assistant Section Manager, Fats & Oils Department. Coming to Blaw-Knox in 1946, he has held the position of project engineer and senior process engineer. Assignments varied from relatively small process units to large, complete plant installations—including site development, all operations of construction and initial startup. He has made significant contributions to several Blaw-Knox processes for upgrading all types of fats and oils.

Armin R. Jensen

Technical Service Engineer, joined Blaw-Knox in 1943. Engaged in laboratory research for five years—exploring solvent extraction problems, and developing the Rotocel Extractor. Supervised initial operation of many solvent extraction plants, including one in Japan. Worked on the first basket type extractor and the centrifuge type extractor. He has served as a field engineer on process equipment, piping installations, and testing.

Hal B. Coats

Ph. D., Section Manager in charge of plants and processes for the fats and oils industry; staff associate in the Blaw-Knox research and development office. Joined Blaw-Knox in 1943. Plant experience includes: solvent extraction, continuous fat splitting, fatty acid distillation, deodorizing units, and hydrogenation. Directed research laboratory working on processing procedures. Designed, built and operated bench and semi-pilot scale equipment.