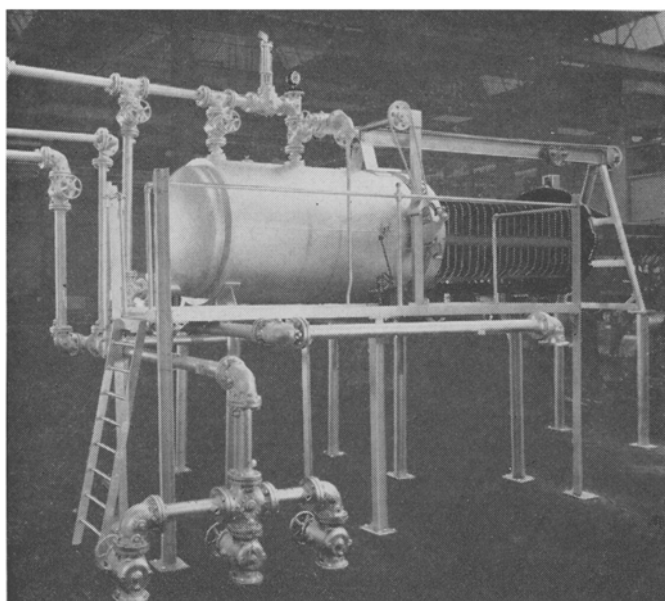


Picture a Complete  
Filter Station  
Designed and  
Packaged  
Just For You



## The BIRD PRESSURE FILTER

can be furnished as part of a complete "packaged" filter station including pumps, piping, valves, fittings, meters—all integrated and ready to go—every part fitted for the specific application.

Take advantage of this complete filtration engineering service and the advanced features of the Bird Filter including an exclusive self-sealing filtrate manifold which permits opening and cleaning the Filter without disconnecting the piping.

Pilot-size units are available for testing performance in advance of installation.

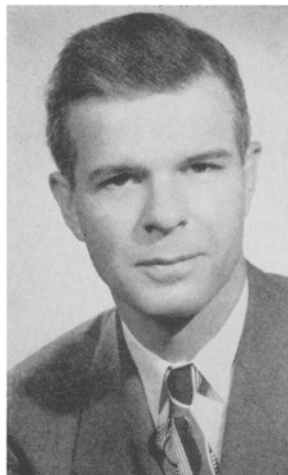
**BIRD MACHINE COMPANY**  
South Walpole, Massachusetts

REGIONAL OFFICES: Evanston, Illinois; Portland, Oregon

Recent Developments in Screw-Press Operation, by Andy Burner, French Oil Mill Machinery Company, Piqua, O.  
New Integrated Process for Continuous Production of High Quality Meal and Salad Oil from Vegetable Source Material, by G. C. Cavanagh, Ranchers Cotton Oil Company, Fresno, Calif.

Hotel reservations for the Houston meeting should be made in advance, direct to Kimball Smart, Anderson, Clayton and Company, Box 2538, Houston, Tex.

## Announce Speakers and Fee for Short Course at Purdue



J. W. Dunning



R. P. Hutchins

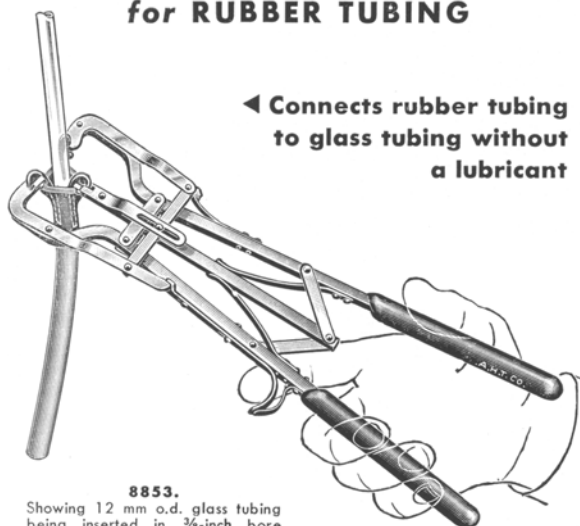
A PROGRESS REPORT on plans for the short course on unit processes in the fatty oil, soap, and detergent industries, to be sponsored by the American Oil Chemists' Society at Purdue University, July 16-20, 1956, indicates that nine of the 27 speakers have been selected (at press-time), that the registration fee will be \$50, payable in advance to the Society, and that room and board will be payable on a hotel basis, either at the Memorial Union or at a commercial hotel. F. W. Quackenbush of Purdue University will be the local chairman.

Topics and speakers tentatively are as follows:

- Handling, Shipping, and Storage of Oilseeds
- Solvent Extraction Including Seed Pretreatment, by R. P. Hutchins, French Oil Mill Machinery Company, Piqua, O.
- Mechanical Extraction, by J. W. Dunning, V. D. Anderson Company, Cleveland, O.
- Rendering of Meat Fats, by H. C. Dormitzer, Wilson and Company, Chicago, Ill.
- Refining
- Bleaching and Filtration, by W. A. Singleton, Girdler Company, Louisville, Ky.
- Hydrogen Production and Purification
- Hydrogenation
- Deodorization and Steam-stripping, by F. B. White, Foster Wheeler Corporation, New York, N. Y.
- Margarine Production, by Leo C. Brown, Swift and Company, Chicago, Ill.
- Finishing and Packaging of Edible Fat Products, by C. E. McMichael, Girdler Company, Louisville, Ky.
- Fat Splitting
- Distillation of Fatty Acids, by R. H. Potts, Armour and Company, Chicago, Ill.
- Liquid-liquid Extraction and Solvent Crystallization
- Handling and Storage of Raw Materials for Soaps and Detergents
- Saponification

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**ELLIOTT  
EXPANDER**  
for RUBBER TUBING



◀ Connects rubber tubing  
to glass tubing without  
a lubricant

8853.  
Showing 12 mm o.d. glass tubing  
being inserted in 3/8-inch bore  
rubber tubing.

**RUBBER TUBING EXPANDER, ELLIOTT SAFETY TYPE** (Patent applied for). For safe, convenient connection of rubber tubing to glass tubing without need for a lubricant. Rubber tubing can be stretched readily at the open end for easy access of a cylindrical object. The stretch is effected by three parallel tines whose tips are simultaneously diverged by a system of levers upon compressing the handles. The device is of chromium plated metal with plastic grips and has been approved by Safety Committee of one of the country's largest industrial laboratories.

To operate, tines are inserted into end of rubber tubing which can be spread open by squeezing the handles. The glass tubing is guided between and slightly beyond ends of the tines which are then unlocked by pulling a trigger. Tines are retracted without dislodging the glass tubing simply by repeating pressure on handles.

For use with rubber tubing from approximately 1/4-inch to 3/8-inch bore. Not intended for use with pressure or vacuum tubing with thick, rigid wall, or with plastic tubings such as Tygon or polyethylene, which are less elastic than rubber.

Overall length of 12 inches permits connection of tubing in assemblies at junctions which ordinarily might not be accessible.

**8853. Rubber Tubing Expander, Elliott Safety Type**, as above described. With directions for use . . . . . **14.00**  
10% discount in lots of 12.

**More detailed information sent upon request.**



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Production of Alkylene Oxide Derivatives  
Esterification, Interesterification, and Alcoholysis  
Drying of Soaps and Detergents  
Finishing and Packaging of Soaps and Detergents  
Heat Exchange  
Pumps and Pumping  
Mixing  
Automatic Control

Room rates will be \$4 and up for single, \$6 and up for double, and \$7 and up for twin beds. Not all of the Union rooms will be air-conditioned. The meeting room in the Chemistry building, across the parking lot from the Union, will be air-conditioned however. Reservations for Union rooms should be made direct with Lloyd Valley, manager.

Social events will include a banquet, for which tickets may be purchased on arrival at the campus.

Registration forms and information may be obtained from the American Oil Chemists' Society at 35 E. Wacker drive, Chicago 1, Ill.

This will be the eighth short course sponsored by the Society, beginning in 1948 and continuing except for the year 1951. Previous topics have been edible oils, drying oils, soaps and synthetic detergents, engineering aspects of processing oilseeds, inedible fats and fatty acids, and analytical techniques. All of these, save 1948, are available for \$3 a copy, either in bound reprint form or in a Journal issue.

Program committee for the 1956 course comprises R. J. Sims, Swift and Company; H. C. Dormitzer, Wilson and Company; D. V. Stingley, Armour and Company; R. H. Rogers Jr., Swift and Company; and S. S. Fein, Kraft Foods Company, all of Chicago.

The Scientific Apparatus Makers Association, 522 Fifth avenue, New York 36, N. Y., offers without charge copies of five new standards. They are on bimetallic thermometers, resistance thermometers, filled system thermometers, glass stem industrial thermometers, and thermocouple thermometers.

Thomas S. Harrison is technical coordinator in the recently established new products department at S. C. JOHNSON AND SON INC., Racine, Wis.