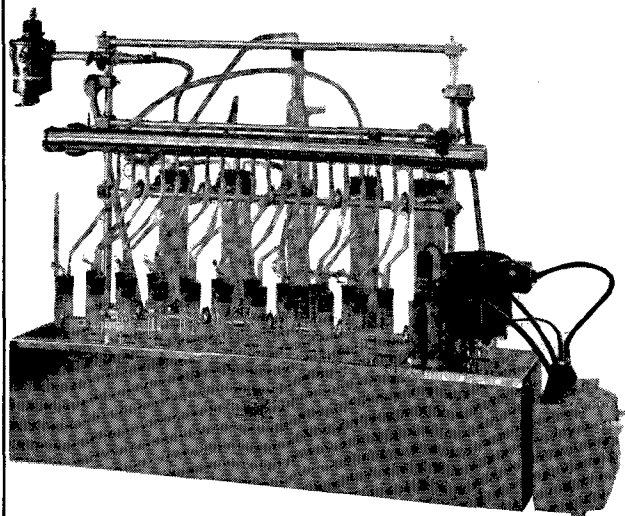


## LA PINE A O M FAT STABILITY APPARATUS



**PRINCIPLE:** Clean air is bubbled at a constant rate through the sample, maintained at constant temperature, until rancidity is developed. The aeration time to the inception of rancidity is recorded. The peroxide values of three sample portions which have been aerated separately are plotted against their aeration times. Keeping time, i.e., the time of aeration corresponding to a predetermined peroxide value for the organoleptic rancidity point, is read from the graph.

### CONSTANT TEMPERATURE BATH

The constant temperature bath consists of a stainless steel tank with  $\frac{1}{2}$ " of insulation surrounding four sides and bottom. A stainless steel test tube rack fits into the bath. A stainless steel shelf supports the thermoregulator and two 500 watt immersion heaters. Next to this shelf is a powerful circulating pump. All parts are readily removable for cleaning. The relay control box is mounted by a dovetail socket arrangement, and is removed by lifting.

The immersion heaters and circulating pump are of stainless steel and plated bronze, respectively. It should be noted that nowhere in the bath or air distributing system are copper or copper alloys used without being plated.

The relay is of the mercury plunger type. It operates on a central circuit current of 2 milliamperes at 110 volts A.C. The control box has four plugs, one for each of the two heaters, one for the pump, and one for the thermoregulator. When assembling the unit for operation, it is only necessary to plug in these units, then plug the relay into the line. Two switches are provided; one is an "On-Off" switch and the other is a "Hi-Lo" switch enabling the operator to use either 1000 watts for quick heating or 250 watts for maintaining constant temperature. A pilot light signals use of the heaters.

The thermoregulator may be set at any temperature between  $-38$  and  $350$  degrees F. It is extremely sensitive to temperature changes, and operates within plus or minus  $0.05$  degrees F.

### AIR DISTRIBUTION SYSTEM

The air distribution system consists, in part, of a stainless steel manifold, an air pressure regulator, a needle valve, pressure regulating columns, calibrated capillary tubes and the complete air purification train. Not furnished are a wet test meter for calibrating the system and a rotameter for checking the calibration. All parts of the air distribution system are mounted on a lattice support, and the complete system may be moved by merely disconnecting the capillary tubes.

The capillary tubes have been accurately calibrated, and each is engraved, the actual time being marked on each tube. They will deliver 2.33 cc. of air per second when the system is calibrated with the wet test meter.

### GENERAL

The apparatus has been painstakingly designed for the test, and a custom-built prototype has been in daily use for over two years with excellent results.

CATALOG NO. OC-314-01 CONSTANT TEMPERATURE OIL BATH AND AIR DISTRIBUTION SYSTEM, for AOM Fat Stability Test, without wet test meter or rotameter, for operation on 115 volts, 50/60 cycles A.C. only.

Without air purifying train.....\$491.00  
Complete with air purifying train..... 575.00

**LAPINE** ARTHUR S. LAPINE and COMPANY 4001 SOUTH KNOX AVENUE  
CHICAGO 29, ILLINOIS, U.S.A.  
LABORATORY SUPPLIES • EQUIPMENT • REAGENT AND INDUSTRIAL CHEMICALS

## Announces Philadelphia Program Plans and Committees

**P.** E. RONZONE, general chairman of the convention committee of the American Oil Chemists' Society Fall meeting in Philadelphia on October 10-11-12, 1955, announces that committees are functioning and plans for a successful meeting are well under way.

W. C. Ault, of the Eastern Regional Laboratory, program chairman, promises that his program will be the largest in the history of the Society. Two large rooms have been reserved for concurrent sessions, and every effort will be directed toward scheduling the program to avoid conflicting interest in papers being presented simultaneously. The possibility of arranging several symposia by recognized authorities in their fields of work is being actively considered by the program committee. Dr. Ault requests that authors send titles of papers to him as soon as possible. His address is: Eastern Regional Research Laboratory, U. S. Department of Agriculture, Philadelphia 11, Pa.



W. C. Ault

In addition to Chairman Ault, the program committee comprises: B. F. Daubert, General Foods Corporation; J. F. Gerecht, Colgate-Palmolive Company; F. W. Keith Jr., Sharples Corporation; T. H. McGuine, Wilson-Martin Company; J. T. Scanlan and R. W. Riemenschneider, Eastern Regional Research Laboratory.

**T**HE subcommittee on registrations and hotel under Fred Smith reports that reservations for suites are limited and requests early reservations, which can be made directly with Mr. Smith at the Sharples Corporation, Philadelphia 40, Pa. Others on the committee are L. D. Jones and A. U. Ayres, Sharples Corporation; John Preston, E. F. Drew Company; L. L. Sutker, Wilson-Martin; R. L. Edwards, Distillation Products Industries.

The Ladies' section of the convention committee has plans for an extensive program for the wives of members attending the meeting, which will be centered on historic Philadelphia and environs, including Independence hall, the Betsy Ross house, Old Swedes church, Christ church, and Fairmount park. Other trips will include a visit to Valley Forge, a tour of the world-famous Longwood Gardens of the DuPont estate near Philadelphia, and a tea at the Philadelphia Art Museum.

Headed by Mrs. Fred Smith, the Ladies' Committee includes Mmes. W. C. Ault, A. R. Greenlaw, E. M. James, R. W. Riemenschneider, P. E. Ronzone, Daniel Swern, and F. G. Shea.

## Northern California Section Meets

Members of Northern California Section and their ladies convened at the Show Boat in Oakland the evening of April 29, 1955. Total attendance was 82. After dinner, which featured "shish-kebossie," a tasty dish highly esteemed by local gourmets, Sam Belden reported on the New Orleans meeting; Ernest Linnett reviewed the February section meeting in Fresno; and Lee Avera spoke instructively on "Chemical Process and Product Patents," a field in which he has had wide experience.

The rest of the evening was devoted to the showing of some of Ernest Guenther's color movies of the essential oil industry.

E. B. KESTER.

## Appointments

Albert L. Shutts is now in full charge of sales and customer service operations in the New York area for BECCO CHEMICAL DIVISION, Food Machinery and Chemical Corporation, Buffalo, N. Y., following the retirement of John F. Shea.

ARCHER-DANIELS-MIDLAND COMPANY, Minneapolis, Minn., has named Ernest H. Schroeder as a regional sales manager, with headquarters at Cincinnati, O.