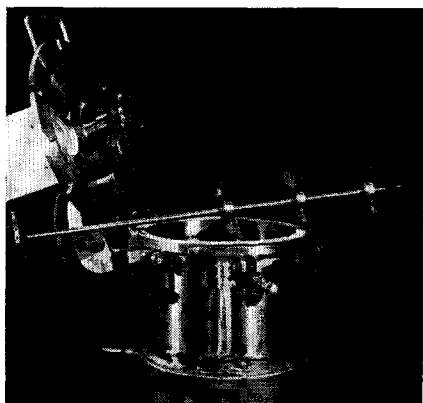


NEW PRODUCTS AND EQUIPMENT

Hinged Top Reactor Vessel



The unique feature of the Access-A-Bilt chemical reactor is the magnetic coupling device which allows the agitator shaft to be split near the top and the hinged head of the vessel to swing open like a lid. The reactors are constructed of stainless steel and can be supplied in sizes up to 100 gallons, with pressure ratings up to 250 pounds/sq. inch **PE1**

Antioxidant

The Koppers Co. has completed toxicological testing of its antioxidant DBPC, di-tertiary-butyl-p cresol, and is making the material available to the food processing industry.

The manufacturers claim that 3 years

of intensive research and testing have demonstrated that the antioxidant is safe for food use. The substance comes in pure crystal form and dissolves during the processing cycle. Koppers says that the antioxidant properties are maintained through normal frying temperatures, and the use of DBPC is more economical to use than comparable food grade antioxidants. **PE2**

Automatic Food Filler

An automatic food container filling machine with a micrometer adjustment that can increase or decrease the quantity of fill while the machine is operating is being manufactured by the F. L. Burt Co. The machine will fill liquids or semi-solids at 10 to 30 containers per minute. The amount of fill is adjustable from 8 ounces to 1 gallon. **PE3**

Synthetic Gum Colloid

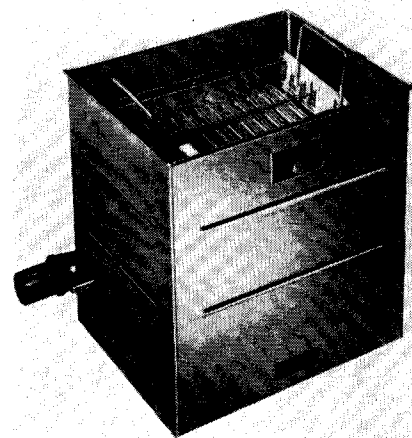
A clear stable gel can be formed from 1% of Carbopol 934, according to the manufacturers, B. F. Goodrich Chemical Co. The hydrophilic colloid is supplied as a free flowing powder which will dissolve in water to form low viscosity and low pH gels. On neutralization the viscosity of the gel increases and a 1% gum preparation will congeal into an unpourable gel of high viscosity.

Viscosity of the Carbopol solutions can be controlled by varying the amount

of thickening agent added. The viscosity of the preparations is relatively unaffected by aging and temperature and the thickening agent is not attacked by bacteria or fungi.

The hydrophilic colloid can be used for pharmaceutical compounding and agricultural chemicals preparation. **PE5**

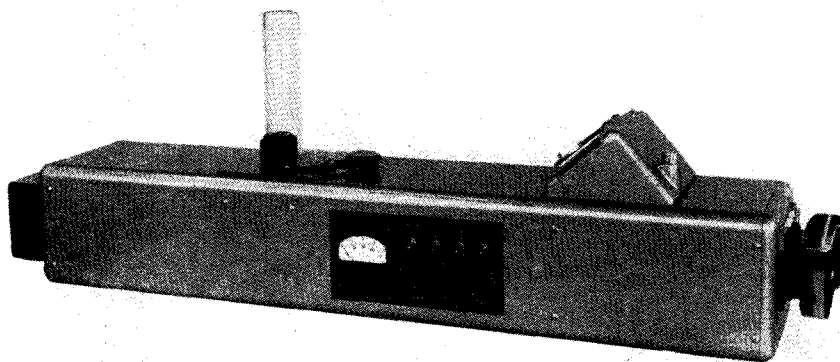
Automatic Test Tube Washer



The Amherst test tube washer available from the Will Corp. The washer rinse-washes test tubes continuously and automatically; the only handling of tubes is at the start and finish of the operation. The washer baskets are adjustable to accommodate tubes from 75 to 150 mm. in length. Slightly less than 1 gross of 20-mm. diameter tubes can be rinse-washed in 1 load of the washer **PE6**

Electrophoresis Apparatus Features 60-Second Camera

Portable electrophoresis apparatus manufactured by the Perkin-Elmer Corp. The device features a Land camera which makes finished prints of patterns in 60 seconds. A ground glass viewing hood, top, allows observation of the complete pattern during boundary formation. The viewer and camera are calibrated, and the calibrations permit masking portions of the pattern for photography **PE4**



Recording Densitometer

The Densigraph, a manually operated recorder for rapid photometric analysis of light-absorbing materials on dry paper strips as obtained in electrophoresis and chromatography has been developed by the Arthur H. Thomas Company. The recorder determines the light transmission and lineal separation of stained areas on the paper strips, and simultaneously combines the usual operations of scanning, indicating and recording to provide a continuous ink tracing on graph paper indicating percentage light transmission.

The instrument is designed for use in clinical techniques, and for studies with other materials having electromigratory characteristics. **PE7**

▶ See coupon, page 383, for further information ▶