

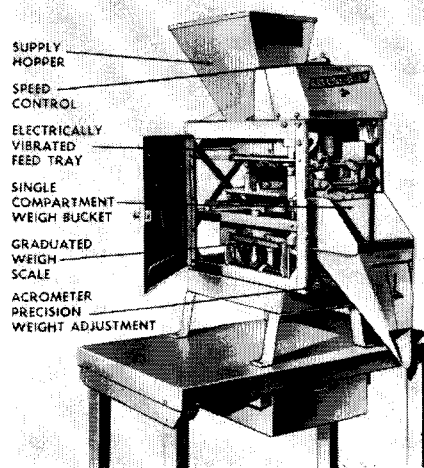
# NEW PRODUCTS AND EQUIPMENT

## Ionol, Antioxidant Approved For Foods

Following successful completion of a three year toxicity testing program to satisfy the requirements of the Food and Drug Administration, Ionol-CP is now available for use as an antioxidant for food and drug products. Ionol-CP is Shell Chemical's name for 26-di-*tert*-butyl-4 methylphenol. Shell says that qualification of the antioxidant, which is also known as butylated hydroxy toluene, is based on the results of extensive laboratory tests designed to determine the safety of the product for human and animal consumption.

The manufacturers claim that the antioxidant has proven equally effective in preventing rancidification of fats and shortenings, in protecting certain vitamins from destruction by the air, and in stabilizing both rubber and plastic compositions used in food handling equipment. **PE1**

## Weigher and Filler for Small Packages



Elec-Tri-Pak weighing and filling machine manufactured by the Triangle Package Machinery Co. The weigher is of the semi-automatic type designed to fill dry material into any type container. Units are available to handle a weight range from 2 ounces to 5 pounds at a rate of up to 20 packages per minute. **PE2**

## Heavy Duty Solution Balance

The Ohaus Scale Corp. has redesigned their heavy duty solution balance. New features of the balance include: A graduated end reading dial which speeds up the balancing. A light weight aluminum alloy beam which reduces the beam

load and increases accuracy and life of the balance. Extensive use of stainless steel for the weighing platform, which is 11 inches in diameter, and also for the etched beams, make the balances adaptable for use in laboratories where corrosion is a factor.

Accessories include a galvanized subject box for the weighing animals and a seamless brass scoop and counterweight for use in weighing dry material. Models are available in either metric or avoirdupois standards or a combination of both. **PE3**

## Dacron Filter Cloth

A filter cloth woven of Du Pont Dacron, which is supposed to have high abrasion resistance, is available from the National Filter Media Corp. The filter cloth shows excellent resistance to both acid and caustic attack at room temperatures. The filter cloth is supplied in preshrunk form; in boiling water Dacron fabric will contract 15-20%.

Dacron has good resistance to weak acids, even at boiling temperatures, and to moderately strong acids at room temperature. The fiber also shows good resistance to alkali.

Under preliminary tests, Dacron is outranked only by Nylon in resistance to abrasion. Burst tests run on filter fabrics indicate that Nylon and Dacron, of all available fiber types, can withstand mechanical attack far in excess of normal filtration requirements. **PE4**

## Carbon Dioxide Supplied from Dry Ice Converter

An economical source of CO<sub>2</sub> gas can be obtained from the Dry Ice Converter manufactured by the Dry Ice Converter Corp. The converter is loaded with 50-lb. blocks of commercial dry ice; CO<sub>2</sub> can be withdrawn as either a gas or liquid. The converters are manufactured in four different sizes with capacities of 300, 600, and 1000 lbs. The 1000-lb. converter stores approximately 8,700 cubic feet of gas which can be withdrawn at rates up to 900 cubic feet per hour. **PE5**

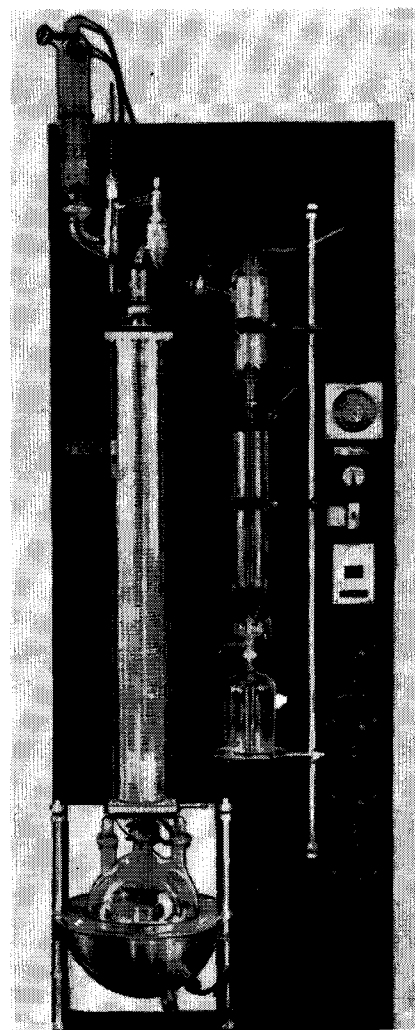
## Crystalline ATP Available

Crystalline Adenosine triphosphate sodium salt is available in research quantities from the Sigma Chemical Co.

Sigma, the original postwar producer of commercial ATP, has been steadily raising standards of purity from an original 80% several years ago to approximately 95% in 1953.

Sigma says that this offering of crystalline ATP raises the purity very close to 100%, and this vital constituent of muscle metabolism can now be investigated with considerably less likelihood of interfering factors or inhibitors. They believe that the crystalline product should stimulate new studies on the action of this biochemical. **PE6**

## Dalin Distillation Apparatus



Scientific Glass Apparatus Co. says that charges ranging from 2 ml. to 72 liters are easily fractionated in this Dalin distillation apparatus. The columns are heated by coiled ribbon windings and operate at temperatures as high as 350° C. The columns can be packed with either metal or glass helices. The manufacturers will guarantee that any column will be properly packed. **PE7**

Use coupon, page 434, for further information