Chemical Corner

Edited by Irving M. Ewig for the Society's Laboratory Practice Committee. Suggestions should be sent to Society headquarters marked for the attention of Mr. Ewig.

New Uses of Glycerine An article by M. A. Lesser in the October 1949 issue of *Commercial Photography* describes some interesting uses of glycerine for removing negative scratches and as a wetting agent in developers for aiding the elimination of streaks.

Non-Skid Floor Wax "Cetox" is a high-gloss floor wax which is slip proof whether it is wet or dry because it's "hydraoxated." This product has the UL label and is manufactured by Chemical Service of Baltimore, Howard and West Streets, Baltimore 30, Md.

Fireproofing "Ruflan" is a flame retardent spray of plastic, made by E. I. DuPont.

To Keep Chemicals Dry and Uncontaminated A convenient drum cover made of paper containing Neoprene. This is superior to wooden barrel heads and fiber covers or even metal drum lids for keeping chemicals in containers dry and in an uncontaminated condition. They are very easy to get on and off. The vendors are the Chase Bag Co., 1500 South Delaware Avenue, Philadelphia, Pa.

Disinfectant Soaps The Davies Young Soap Company, Dayton, Ohio, makes a concentrated soap with a high germicidal effect, "Germelin," which should be excellent for washing developing and water tanks and would go a long way toward the elimination of that Monday morning smell.

Prevention of Slime in Wash Tanks "Algex" is a phenolic derivative sold by the L. B. Russell Chemicals, Inc., of 60 Orange Street, Bloomfield, N.J. It is a good destroyer of slime and algae growths found frequently in wash tanks. It comes in convenient tablets which can be dropped in the bottom of the tank near the water inlet.

Stable Color Developer "Genochrome" is a derivative of p-aminodiethylaniline which has greater resistance to aerial oxidation and is less toxic than most color developers. The article describing this appears in *The Royal Photographic Society Color Group Bulletin*, No. 13. It is written by G. T. J. Field and D. H. O. John.

Conservation of Water Washing of film serves a dual purpose. The first is to remove soluble silver salts because, if allowed to remain, these cause staining and discoloration. The removal of silver salts is best insured by a two-bath system of fixation. The second function of washing is the removal of hypo. If allowed to remain in excessive concentrations will result in fading and discoloration.

The reduction of the hardening properties of the fixer, maintaining the wash water at as high a temperature as possible, adequate agitation, frequent changes of washing, avoiding contamination of each wash section by the use of squeegees, all aid in the reduction of the quantity of water required for washing. A complete story of this may be found in the article by J. I. Crabtree, "How to Save Water," appearing in *The Photographic Science and Technique Journal*, Section B, August 1950, pages 70–74.

Flow Meter The Builders-Providence Company, 419 Harris Ave., Providence 1, R.I., has designed a compact, easily installed, self-contained and self-operated flow meter, "Propeloflo." The flow through main or auxiliary pipelines is all that is needed to run this meter—no mercury, pressure piping, or electrical connections are required.

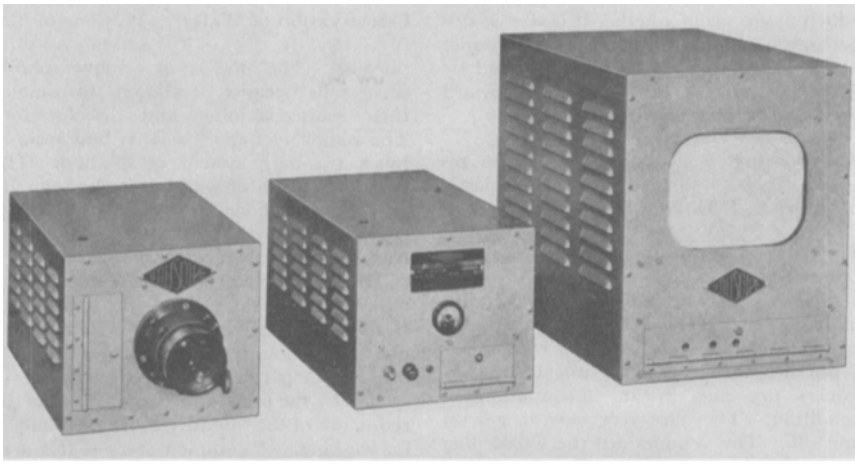
Make Your Own Distilled Water "Filtr-Ion" is a new and refillable ion-exchanger unit for small quantity uses which delivers water equal to triple distilled water. It is manufactured by LaMotte Chemical Products Co., Baltimore 4, Md.

This May Solve Your Dust Problem An easily applied, stainless "dust sealer" made by the West Disinfecting Co., 46-16 West St., Long Island City, N.Y., reduces dust to a minimum by leaving an antiseptic film to which dust adheres. This film is then easily removed. One gallon covers 4,000 sq ft.

A New Adhesive Tape This product is called #666 and is made by The Minnesota Mining Company. It is cellophane tape coated on both sides with adhesive for which many uses may be found in the laboratory. It does not fog or desensitize photographic material.

New Products

Further information about these items can be obtained from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of news items does not constitute an endorsement.



The Utiliscope is a closed-circuit television system developed by Diamond Power Specialty Corp., Lancaster, Pa. Simplicity in circuits and controls is a basic feature of this industrial instrument. The receiver is a Farnsworth cold cathode, image-dissector, camera tube. The complete system of camera, power supply and monitor as shown in the illustration is designed for portability and weighs 110 lb. The power supply can be placed as far as 25 ft from the camera and the monitor can be up to 1000 ft away. The lens used as standard equipment is 90-mm, $f/1.4$, coated, focused by rack-and-pinion gear. A remote focusing drive can be incorporated, however.

Only 17 tubes, including the camera tube, are employed. A 10-in. picture tube is standard but 12- or 16-in. tubes can be substituted. The system has a 300-line resolution.

A trial use of the Utiliscope in a Hollywood motion picture studio is reported by W. W. Herlihy, Sales Service Engineer for the Diamond Power Specialty Corp. The possible effectiveness of a particular movie set for a forthcoming circus production was tested with the Utiliscope camera and power supply suspended on a small trapeze opposite the performers' trapeze in preference to building a scaffold to support a studio camera and two cameramen. A mannequin was used as the stand-in and the motion picture of the swinging trapeze was transmitted from the swinging camera to the receiving unit on the floor. After this inexpensive preview the director decided to abandon the scene, having incurred very little expense for the rejected shot.