

• New Machines and Gadgets •

For addresses where you can get more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., Washington 6, D. C. and ask for Gadget Bulletin 529. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

☛ **DRINK COOLER**, which chills the liquid as it is being sipped through the device, is a tube of aluminum, with special mouth-piece, containing a sealed-in refrigerant. Prior to use, the tube is put in the freezing compartment of the refrigerator, and its content allowed to freeze solid.

Science News Letter, August 12, 1950

☛ **ADJUSTABLE STOPPER** for the picnic jug can be made to fit most jugs by a twist of the fingers, making the stopper larger or smaller. Made of aluminum and rubber, it provides an air-tight, leak-proof seal, and it imparts no taste or odor to the jug's contents.

Science News Letter, August 12, 1950

☛ **TROUBLE-FINDER**, for use in the automobile repair shop, resembles the doctor's stethoscope, having similar ear pieces and holder but with an electric probe at the outer end. Grasping the probe by its plastic handle, the point is plied over the seeming trouble area until the clearest sound is heard.

Science News Letter, August 12, 1950

☛ **PLASTIC GUIDE strips** for the typewriter, shown in the picture, separate the finger groups of keys so that the novice at typewriting learns easily which finger to use for



each key. The strips will fit any standard typewriter, and are easily attached.

Science News Letter, August 12, 1950

☛ **PENCIL** to mark glassware is made of tungsten carbide, replacing the former diamond marker. This metal alloy is cheaper than the diamond but ranks next to it on

the hardness scale. The tungsten carbide pencil comes to a definite point rather than an edge as found in the diamond tip.

Science News Letter, August 12, 1950

☛ **WATER STERILIZER**, for home-to-hotel uses, is an automatic, electrically-operated ultraviolet device which kills disease-carrying contamination by ultraviolet radiation. Purification takes place in a stainless steel tank in the water line. The tank contains four ray tubes.

Science News Letter, August 12, 1950

☛ **PORTABLE LIGHT METER**, designed for measuring street lighting of low intensity but usable indoors, is overnight-bag in size, and is ready for instant use. The detector, containing a light-sensitive cell, is set on the street surface, while the indicator is held in the hand.

Science News Letter, August 12, 1950

☛ **AUTOMATIC CLOSET LIGHT**, easily installed by the home-owner, comes complete in a unit containing lamp, switch, and a flat cord to pass under the closet door to an electric outlet. The switch and light box is fastened by screws in an upper corner of the door frame. When the door is open the light is on.

Science News Letter, August 12, 1950

Do You Know?

Palm trees may become a future source of sugar.

Pig's toe-nails have been ground into powder to make tobacco fertilizer.

One of the most useful forms of carbon is the graphite brush that connects moving and stationary parts of electrical devices.

More actual days of service for a suit or coat will result if the garment is worn for one day, then "rested" the next, according to a textile expert.

Toads and frogs often can be distinguished by their skin; toads are largely land animals with dry and bumpy skin while frogs are generally aquatic and have smooth moist skin.

In the fission atomic bomb, the type already used, the heaviest chemical elements are used, uranium and plutonium; in the fusion process of the proposed hydrogen bomb the lightest element would be used.

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