

• 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 482. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **FIRE-PROTECTION paint**, of ordinary thickness as applied, puffs up under the intense heat of a blow-torch to a spongy mass about an inch thick that gives full protection to the wood under it. Designed for indoor use, particularly for basement ceilings, its varnish-like surface can be covered with conventional paint to provide color.

Science News Letter, September 10, 1949

⚙️ **POCKET MICROSCOPE**, about fountainpen size, has a lens system built into an aluminum barrel and a fine-focusing button on the side which can be adjusted by the forefinger of the hand holding the instrument. In use, the end of the tube rests on the object to be examined.

Science News Letter, September 10, 1949

⚙️ **IMPROVED COOLER** for airplanes on the ground, for use at air bases in the tropics, is 65% lighter than an industrial refrigerating unit of the same capacity, utilizes air as the working medium, and is operated by a 100-horsepower air-cooled gasoline engine. It can thus be used where water is unavailable.

Science News Letter, September 10, 1949

⚙️ **ELECTRIC VACUUM cleaner**, shown in the picture, separates the dust it collects from the air it uses by means of a transparent plastic base that holds water. All air



taken in bubbles through the water and is automatically filtered, the dust settling to the bottom.

Science News Letter, September 10, 1949

⚙️ **ELECTRIC FLATIRON**, recently patented, has two revolving disks in the ironing surface which rotate at different speeds and in opposite directions. The faster and smaller disk is near the point-end of the

iron and smooths out wrinkles to facilitate free and easy gliding over the textile surface.

Science News Letter, September 10, 1949

⚙️ **ALUMINUM OXIDE mortar and pestle**, for use in pulverizing samples of very hard substances in laboratories, may be used to grind beryl, Carborundum, and similar materials with ratings below that of tungsten carbide. It is not magnetic, and will not flake to contaminate the contents.

Science News Letter, September 10, 1949

⚙️ **ELECTRONIC SCALE** for weighing livestock at public markets measures the weight of the animals accurately to within five pounds up to 32,000 pounds through electrical impulses, and records pressures electrically. When certain buttons are pressed, it prints the weight, number and type of animals.

Science News Letter, September 10, 1949

⚙️ **HEARING AID attachment**, to fix over the microphone worn under the clothes to eliminate noises that result from clothing movement, is called a clothing noise insulator and consists of a plastic ring backed with cork; it is easily attached by an adhesive applied to the cork.

Science News Letter, September 10, 1949

Do You Know?

"Corn" is an Anglo-Saxon word which means grain of any kind.

Nylon cord tires for airplanes provide decreased danger from blow-outs during landings.

Scorpions, several species of which occur in southern and western states, have long segmented tails which they curl over their backs when alarmed with the stinger at the tip ready for attack.

Cloves have been used for over 4,000 years to sweeten the breath.

Many types of clay will be satisfactory as a source of aluminum with new methods of extraction under development.

A landing strip has been constructed on the grounds of the Kansas State Fair because so many of the visitors are now "flying farmers."

Chemistry Show Book

Flares!

Surprises!

Bangs!

A handbook of recreational material—spectacular stunts for demonstration—and amusement, including three plays, complete with directions for staging over 50 chemical experiments.

A VALUABLE HANDBOOK FOR

Teachers • Chemists • Students

Enclosed please find \$_____ for _____copies of the CHEMISTRY SHOW BOOK as marked below:

---- \$2.00 cloth-bound.

---- \$1.00 paper bound.

NOTE: Subscribers to CHEMISTRY magazine have received a paper-bound copy as their combined summer number of the magazine.

SNL PRIORITY ORDER

C-9-10-9

SCIENCE SERVICE

1719 N Street N. W. • Washington 6, D. C.

To renew your Science News Letter subscription for one year—\$5.50—please make corrections in your name and address imprint below if needed, clip and enclose in an envelope. Lower line shows date of expiration of your subscription.