

# • New Machines and Gadgets •

For sources of more information on new things described, send a self-addressed stamped envelope to SCIENCE NEWS LETTER, 1719 N St., N.W., Washington 6, D. C., and ask for Gadget Bulletin 714. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

☛ **BABY GEIGER COUNTER** is barely larger than a king-sized package of cigarettes. Extremely accurate and sensitive in detecting radioactivity, the instrument provides continuous or intermittent service. It is designed as a civil defense aid for home or office. Used with earphones, the counter is also valuable for amateur or professional radioactive-ore prospecting.

Science News Letter, February 20, 1954

☛ **INFRARED HEAT LAMP** has been designed to handle special commercial jobs running the gamut from drying of printing inks to quick toasting of sandwiches. The 1,550-watt lamp has two filaments that permit the bulb to be operated at wattages of 650, 900 and 1,550.

Science News Letter, February 20, 1954

☛ **MAGNETIC ALARM** system sounds a warning when too many tramp iron and ferrous particles collect on magnetic separators used on production lines to decrease machinery and product damage, fire and explosions. A sensitive ferrometer watches the tramp-iron collector and triggers bells, buzzers or lights when the collector needs attention.

Science News Letter, February 20, 1954

☛ **CASEMENT WINDOW** air conditioner for apartments, houses and buildings is "the only unit of its type that can be installed



without altering the frame or glass-pane structure of the casement window," the manufacturer reports. Mounted against the window on the inside, as shown in the illustration, the device does not interfere with opening, closing or locking of windows.

Science News Letter, February 20, 1954

☛ **"FILLING STATIONS"** for airplanes are portable, collapsible rubberized tanks

in which 10,000 gallons of high octane gasoline or jet fuel can be stored. The "tanks" are pillow-shaped and can lie completely exposed on the ground.

Science News Letter, February 20, 1954

☛ **MAGNESIUM STEPLADDER** is light enough for a stenographer or housewife to carry around. The stepladder has a small platform two feet from the top that permits the user to work in more comfort than if he had to stand on one of the steps. The ladder's feet are equipped with hard rubber, non-skid tips.

Science News Letter, February 20, 1954

☛ **PORTABLE ELECTRIC TIMER** automatically starts an electric engine heater which many motorists in severe climates use to warm their auto engines on sub-zero mornings. Should the motorist not use the car some morning, the timer automatically switches the engine heater off.

Science News Letter, February 20, 1954

☛ **SPECIAL NAILS** enable home owners to transform their drab basements into colorful game rooms, dens and workshops without drilling into concrete walls. The nails are mounted on square gridworks that are bonded to the concrete wall with a special adhesive. Furring strips or partition sills then can be put in place. One kit contains enough adhesive and nails to do 20 lineal feet of wall.

Science News Letter, February 20, 1954

We wish to serve you—

## LET US ORDER YOUR BOOK

### Don't Delay

getting that NEW BOOK you want to read. SCIENCE NEWS LETTER will gladly obtain for you any American book or magazine in print. Send check or money order covering regular retail price (\$5 if price is unknown and adjustment will be made). We will pay postage in the United States. Mail us your order, listing title, author, publisher, price, and mail, with your complete return address, to Book Department, Science Service, 1719 N Street, N. W., Washington 6, D. C.

2-20-4

## Do You Know?

A high-yielding new *strawberry*, *Pocahontas*, has been developed which is larger and redder than other strawberries.

The potential *energy* in a lump of uranium the size of a golf ball is the equivalent of 460,000 gallons of fuel oil, or 3,000 tons of coal.

*Mach* number one is equal to the speed of sound at sea level at 59 degrees Fahrenheit, or 761 miles per hour.

*Television* viewers in Italy pay an annual subscription fee of \$24 for a guaranteed five hours daily of reception.

*Tear gas*, long used by police on criminals, has become a weapon against a fungus disease on chrysanthemums.

Oils have been used as *insecticides* for over 50 years without insects developing a resistance to them.