

# • New Machines and Gadgets •

If you want 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 461. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **RUBBER-LIKE** play pool for the back yard, of either 4.6-foot or 6-foot diameter, is made of vinylite plastic and resembles a set of three tire tubes, one attached above the other to form the sidewalls. These tubes are deflatable, and the larger of the pools holds 170 gallons of water.

Science News Letter, April 16, 1949

⚙️ **PHOTOGRAPHIC FLOODLIGHT**, producing light from seven to 15 times the intensity of sunlight on a bright day, is particularly for use in taking motion pictures at speeds up to 8,000 individual frames a second for study in slow motion. Such photography is widely used in research.

Science News Letter, April 16, 1949

⚙️ **RADIO RECEIVER-TRANSMITTER**, developed by the Army Signal Corps, is about the size of a king-sized cigarette package, weighs only 11 ounces with batteries included, and has a range of about 200 yards. The miniature transceiver has two tiny "B" batteries, one "A," and a two-foot collapsible antenna.

Science News Letter, April 16, 1949

⚙️ **FORESTER'S AXE** is a five-in-one tool for use by cruisers estimating forest growth and marking trees for cutting. Its unique feature, shown on the back of the axe in the picture, is what is called an increment



borer, which when driven into the tree with a single blow brings out a wood core an inch or two long to show tree growth.

Science News Letter, April 16, 1949

⚙️ **SMOKE DETECTOR**, for early warning of incipient fires in storerooms, is a single unit through which a continuous sample of air is drawn. After dust is filtered

out, the air passes a beam of light focused on a photoelectric cell. Any smoke in the air cuts the amount of light hitting the cell, causing an alarm.

Science News Letter, April 16, 1949

⚙️ **BLOTTER-LIKE** strips filled with tiny dry crystals of three powerful insecticides, are designed to use on house floors where insects crawl, or in pantries, clothes closets and under mattresses. Crawling vermin, from cockroaches to fleas, are killed by them.

Science News Letter, April 16, 1949

⚙️ **MICROGRAPHIC** camera offers a positive means of identifying and recording diamonds and some other transparent gemstones. This improved instrument for making photomicrographs records not only the characteristic so-called inclusions in the stone, which are as distinctive as fingerprints, but the stone's complete description.

Science News Letter, April 16, 1949

⚙️ **COLLAR HOLDERS**, to prevent collar points from curling up during the day, are tiny triangular pieces of fabric with an adhesive on both sides. After the necktie is in place, one piece, moistened with the tongue, is stuck to the underside of each collar point and to the shirt.

Science News Letter, April 16, 1949

## Do You Know?

Flat-bottomed tubs are recommended for bathrooms as protection against slipping.

High-grade molasses can be made from the orange wastes from juice factories.

Chickenpox is one of the mildest of the diseases of children but it is very "catching."

About 60% of the graphite consumed in the United States is used by makers of electric dry batteries.

In the United States over 5,000,000 acres of arid and semi-arid lands have been made productive by irrigation water.

Beautiful "pearl" necklaces worn by many women are often glass or plastic beads coated with pearl paste obtained from the scales of young herring.

Old type of kerosene is no longer to be used in military jet aircraft; a gasoline-type fuel with an octane rating between 50 and 65 will be used instead.

It's not too late . . .

## Start your spring planting indoors with a SOILLESS GARDENING KIT

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