

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

⚙️ **ENGINE WARMER**, a fully automatic device for keeping the automobile engine warm in cold weather, is connected into the car's electric system and automatically starts the engine when the outside temperature falls. After the running engine is restored to normal temperature, a shut-off stops it.

Science News Letter, April 14, 1951

⚙️ **ALL-PURPOSE SPRAYER**, for attachment to a garden hose, picks up concentrated solutions from a bucket and mixes them in a one-to-ten ratio with the water delivered. Water pressure does the work, and it can be used to apply insecticides, fungicides, weed-killing chemicals and soluble fertilizers.

Science News Letter, April 14, 1951

⚙️ **TELEPHONE EQUIPMENT**, for use in burning buildings by firemen wearing gas masks, permits two-way talk with others outside. It contains transmitter and earphones, which can be attached to most fire-fighting masks, and insulated cable for transmission. No batteries or other power sources are needed.

Science News Letter, April 14, 1951

⚙️ **LEAK DETECTOR**, to determine extremely small leaks in vacuum systems, utilizes hot platinum which emits positive ions in increased quantities when stimulated by freon gas or other halogens. If a jet of freon, directed against a test spot, strikes a leak, a needle on the meter deflects.

Science News Letter, April 14, 1951

## Do You Know?

"Pond scums" are *algae* that help keep fishes alive.

True *wolves* are fast becoming extinct in the United States.

Lime should be applied to a *lawn* only after tests show the soil to be acid.

Rice hulls are a good *abrasive* for polishing metal castings because they have a relatively high silica content.

*Geese* are good weeders of strawberry beds; they will eat the weeds and grass but do not like the strawberry plants.

California red scale, *insect* pest to citrus growing, is hard to reach with insecticides because it is protected with shell-like armor.



⚙️ **GASOLINE LANTERN**, for summer camps, farms and emergency uses, is handy to carry and gives off a light comparable to that of a 200-watt electric bulb and burns for nine hours on one filling. An

attachable steel reflector and special handle convert it into a spotlight.

Science News Letter, April 14, 1951

⚙️ **PRACTICE ARM**, for teaching military medical personnel how to insert an injection needle into the vein of an injured man in a combat area, is a plastic reproduction of a forearm, with a skin-like covering. Properly placed plastic tubes inside, filled with colored fluid, represent veins.

Science News Letter, April 14, 1951

⚙️ **SYNTHETIC RUBBER** in liquid form is applied to steel, wood and concrete surfaces by brush or spray and air-dries rapidly under ordinary atmospheric conditions to provide a thin protective coating. This elastic, non-cracking neoprene coating is resistant to weather, oil, grease and chemicals.

Science News Letter, April 14, 1951

⚙️ **CHLORINE TABLETS**, for treating drinking water, bleaching and general disinfection uses, dissolve slowly giving a continuous supply of free chlorine for periods up to nine hours. These easy-to-use tablets contain 68% available chlorine and are similar to hypochlorite powders.

Science News Letter, April 14, 1951

It's not too late . . .

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

Think of it! . . . a complete, easy-to-use kit can start you off with a miniature garden in your house or apartment . . . little space needed, no dirt . . . plants ready for transplanting outside in two weeks.

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