

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

⚙️ **BIRD SOUNDBOOK** captures the visual and audio beauty of 24 American songbirds with recordings and full-color photographs. The accompanying text describes the birds' habits and explains how wild birds can be photographed and their songs recorded. The soundbook is sold with either 33 1/3 or 45 rpm records.

Science News Letter, August 7, 1954

⚙️ **PACKLESS PUMP**, hermetically sealed and completely sanitary, is designed for use in medical, food processing, chemical and oil industries. The pump works on a vibration principle, needs no lubrication and can be cleaned in a few minutes.

Science News Letter, August 7, 1954

⚙️ **SPRAY GUN**, attached to a garden hose, mixes soap or detergent with water to supply a spray of rich suds for washing cars, window screens and storm sashes. The unit has a three-speed mixture control and can be used to apply soluble fertilizers, soil conditioners, weed killers and insecticides to lawn or garden.

Science News Letter, August 7, 1954

⚙️ **RADIO-DIRECTION FINDER** receives AM broadcast, marine and beacon radio signals and determines the compass direction of the station to which the set is tuned. Equipped with a map and this portable radio, shown in the photograph, a man



could locate his position any place on the globe if he could pick up two radio stations.

Science News Letter, August 7, 1954

⚙️ **GLITTER-GLOW** kit provides glitter crystals and a phosphorescent-fluorescent paint that glows in the dark and gives startling effects under ultraviolet. Designed primarily for children's use, the glitter will be useful to Mom for decorating gifts.

Science News Letter, August 7, 1954

⚙️ **HAND TRUCK** has a hydraulic lift, similar in purpose to those on factory fork-lift trucks. One man can handle 500-pound boxes. The lift operates like a manual auto jack, raising loads as high as three feet.

Science News Letter, August 7, 1954

⚙️ **ELECTRICAL REPAIR KIT** includes everything needed for simple electrical work. A pliers-like tool cuts and strips wire, crimps solderless terminals and connectors, and shears bolts and screws. Splices, terminals, connectors and wire insulation are included in the kit.

Science News Letter, August 7, 1954

⚙️ **LINE SWIVEL** has a unique ball bearing assembly that turns easily to allow spoon, plug, spinner or bait to rotate without twisting fishing lines and thereby causing the lines to stretch and weaken. The unit is kept in proper working position by free-moving eyes to which the line is attached.

Science News Letter, August 7, 1954

Do You Know?

The highest death rate from drowning is recorded among boys 15 to 19 years of age.

About 11% of the car owners in the U. S. have more than one car.

When a drinker enters the chronic phase of *alcoholism*, half the alcohol previously required may be sufficient to bring about a stuporous state.

In the few areas in the world where *cannibalism* is still practiced, natives believe that eating their dead is the most respectful way of disposing of the bodies.

The five educational *television* stations now on the air bring to their viewers a total of 25 courses, ranging in subjects from piano lessons to salesmanship.

Sweet clover is a quick growing legume valuable for soil improvement, for nutritious pasturage and as a honey plant for bees.

The chief danger from plutonium is that, like radium, its *radiation* destroys the blood-making organisms of the body if it enters in appreciable amounts.

Airplanes traveling from an area infested with *Japanese beetles* to a non-fested part of the United States are required by the U. S. Department of Agriculture to be treated for hitchhiking beetles.

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