

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

⚙️ **KEY CARRIER**, with two key chains connected by an ingenious coupling device, makes it possible to leave the ignition key in the automobile lock while using another key to open the trunk compartment. The two halves of the coupling device are separated by a slight tug on a little red-edged collar.

Science News Letter, January 15, 1949

⚙️ **CHLORINE SOLUTION feeder**, to add the sterilizing chemical to water flowing under pressure through a pipe, is housed in a transparent plastic container so that the hypochlorite solution can be seen as it leaves the feed nozzle and enters the water. It feeds only when wanted, and it feeds accurate quantities even in very small amounts.

Science News Letter, January 15, 1949

⚙️ **RADIO TRANSCEIVER**, shown in the picture, is an improved version of the famous wartime walkie-talkie for two-way person-to-person communication. It is about one-fourth the size of the war instrument. The pocket-sized radio station held in the



hand is complete except for the earphones and small-sized batteries.

Science News Letter, January 15, 1949

⚙️ **FIRE EXTINGUISHER**, a dry chem-

ical powder type designed for use against flammable liquids and electrical fires, utilizes carbon dioxide under pressure to drive the dry powder mixture 20 feet or more in the flame. It is a 20- or 30 pound hand-carried device in which the gas and powder are released by a trigger.

Science News Letter, January 15, 1949

⚙️ **AIRFIRE GUN**, sub-machine type, is designed to use a ping-pong ball for a bullet. The firing handle is a movable section which rides along a central steel rod and a flat wooden support, both attached to a plastic gunstock. The ping-pong ball is placed against a rubber ring in a cup at the end of the muzzle.

Science News Letter, January 15, 1949

⚙️ **TELEVISION TUBE tester**, a recording spectroradiometer, will accurately plot the full range of visible light produced on a television tube. It analyzes the components of the light by measuring and recording the degree of output of all visible light wave-lengths progressively. The process, entirely automatic, requires less than a minute for each tube.

Science News Letter, January 15, 1949

Do You Know?

Cooking utensils consume about 9% of the aluminum produced in America.

Australians have never experienced a "White Christmas"—it is summer time in the Southern Hemisphere when Christmas comes.

Approximately 240 of the 687 commercial frequency modulation (FM) broadcasting stations in the United States are owned outright or in part by newspapers.

When a proper amount of sodium dichromate is added to salt used to keep streets clear of ice and snow, automobile bodies are protected from the corrosion that otherwise often results from the pickled salt and water mixture.

The reason why sound makes less progress when traveling through sea water than through fresh water is now thought to be due to slight amounts of magnesium sulfate in the salt water; this chemical seems to have unusual sound-absorbing ability.

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