

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

⚙️ **GARBAGE CAN and rat trap in combination**, recently patented, utilizes the odor of the garbage as bait and needs no resetting as captured rodents are dropped into a chamber below the main part of the can. Entrance for the rats is a hole low down on the side of the container.

Science News Letter, April 29, 1950

⚙️ **JACK AND WHEEL-REMOVER** is a low, roller-mounted, aluminum frame with the jack at one end and operating lever at the other. After a wheel is raised, the frame can be rotated under it. A grip grasps the wheel and removes it easily by mechanical power.

Science News Letter, April 29, 1950

⚙️ **SWIVEL-ACTION WASHERS** for household faucets eliminates all friction between the washer and the faucet seat, thus decreasing wear and giving life perhaps 20 times as long. It is a household version of a type already tested in hotel and hospital applications.

Science News Letter, April 29, 1950

⚙️ **WATER WHEEL**, for fun for swimmers, is a six-foot inflatable affair consisting of two air-filled rings with a connection between in which are eight large circular holes. It can be used as a rolling "ducker" or in sidewise position as a float.

Science News Letter, April 29, 1950

Do You Know?

Radio signals flash through space at a rate of 186,000 miles a second.

People rendered voiceless by the removal of the larynx because of cancer are taught to speak again by a special technique.

Nose prints of identical twin calves are likely to be similar, just as finger prints of identical humans are often similar.

Noise is measured by scientists in degrees, called decibels; ordinary conversation averages 40 decibels and a noisy office often hits 70 decibels.

Some lawn grass seeds are given a chemical coating to protect them after planting from the ravages of cold, dampness and soil fungi that may prevent germination.

Californium, a chemical element created through atomic bombardment at the University of California, is the 98th and heaviest chemical element; it was transmuted from isotope 242 of curium.



⚙️ **SUN-TAN** from a coin-machine, shown in the picture, is accompanied by rays from a heat lamp, the combination being claimed to be more effective. It is a safe unit to use because it is fitted with a timer to regulate exposure and also a tape for measuring the proper exposure distance.

Science News Letter, April 29, 1950

⚙️ **SPECIAL NAILS** of high carbon steel, developed as an aid in television installations, can be driven directly into a brick

wall to hold antenna lead wires. Nails are provided with a polyethylene insulator at the tip. They can be used also as a mast coupler.

Science News Letter, April 29, 1950

⚙️ **ELECTROSTATIC generator**, which operates 20 minutes with only one winding of its spring motor, is designed to replace the cumbersome battery formerly used in a military instrument by means of which soldiers could see in the dark. This so-called sniper scope utilizes invisible rays of infrared light.

Science News Letter, April 29, 1950

⚙️ **THREE-IN-ONE household window** has a regular sash, storm window and screen all in a unit to fit into the window frame. They move up and down independently of each other, each in its own channel, and are not bulky because they are made of aluminum or aluminum and stainless steel.

Science News Letter, April 29, 1950

⚙️ **PENCIL HOLDER**, which holds the pencil behind the hand when not in use, consists of a wrist band of flexible material and a forward projecting arm. At the end is a pivoted extension to hold the pencil which permits it to be turned down into writing position and later retracted by a coil spring.

Science News Letter, April 29, 1950

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C-4-29-0