

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

⚙️ **SILICONE SOLUTION** and film holder permit amateur photographers to fix most scratches on prized 35mm negatives. Washed over the film while in the special holder, the silicone solution fills the scratches so they do not show. The solution wipes off quickly after the enlargement is made. Solution and holder are to be marketed in the next few months.

Science News Letter, October 2, 1954

⚙️ **NEW UNDERCOAT** paint dries in 30 minutes after priming and sealing the surface. The undercoat does not require special mixers or thinners, and dries smooth and even. A soft eggshell white, it can be tinted with water-dispersed colors.

Science News Letter, October 2, 1954

⚙️ **DISC RECORDER** uses a plastic record covered with iron oxide to take down music from radio or television, or to record Junior's first words. The "erasable" recording disc can be reused at least 10,000 times. A plug-in phonograph cartridge and adapter button convert the machine into a standard 45 rpm record player.

Science News Letter, October 2, 1954

⚙️ **DECOY DUCKS**, made of a butyrate plastic, are molded in life-like detail and



are sprayed with long-wearing lacquers in colors appropriate to breed and sex. Factory weighted to give a realistic swimming action, the ducks can be anchored in place to attract pintails and mallards, as shown in the photograph.

Science News Letter, October 2, 1954

⚙️ **TEETH PROTECTOR** for high-school football teams eliminates the expense of custom-made, individually-fitted mouth guards. The rubber-like blank is heated in water for 90 seconds, then clamped in the mouth of its user for five minutes and chilled with ice water. The resulting protector snugly fits the boy's teeth to distribute the shock of heavy blows over several teeth.

Science News Letter, October 2, 1954

⚙️ **RUBBER FLOOR** tiles have an adhesive already applied to their backs. Protected by a strip-off plastic sheet, the adhesive adheres firmly to floors swabbed with a solvent. Each tile's adhesive bonds to the other's to yield a waterproof barrier.

Science News Letter, October 2, 1954

⚙️ **WORKBENCH KIT** for the do-it-yourself handyman consists of a pair of steel legs, back supports, a steel drawer and assorted bolts and screws. The length of the workbench can be varied, depending upon the length of lumber bought for the workbench frame. The lumber is not included in the kit.

Science News Letter, October 2, 1954

⚙️ **DESSERT DISHES**, previously distributed only to commercial users, now permit the housewife to serve professional-looking banana splits, sundaes or strawberry shortcakes. The rugged plastic servers are red, yellow, green or blue and double as refrigerator dishes when not needed at the dinner table.

Science News Letter, October 2, 1954

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10-2-4

Do You Know?

A disabling injury strikes some person in America every 26 seconds.

About 85% of Greenland's 736,000 square miles is covered with a permanent icecap.

Polluted air may damage health, forests and crops, and even buildings.

The snapping turtle never feeds out of water because it cannot swallow unless its head is submerged.

Almost every 10 minutes, someone thinks up a new product or improvement for which a patent is issued.

Publication of a climatic handbook to include weather records in well-distributed locations all over the world has been proposed.