

• New Machines and Gadgets •

For sources of more information on new things described, send a self-addressed stamped envelope to SCIENCE SERVICE, 1719 N St., N.W., Washington 6, D. C., and ask for Gadget Bulletin 792. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **ALL-BLACK CAMERA** is designed for photographers who want to make candid shots without being conspicuous. The finish, which deadens reflection, is treated to resist mildew, fungus and various climatic conditions. Originally requisitioned by members of a magazine's photo staff, the camera will be sold on special order only.

Science News Letter, August 20, 1955

⚙️ **TUBE TESTER** is a portable gadget for the "do-it-yourself" fan who wants to test radio and TV tubes, including the TV set's main picture tube. Place a tube in the tester's socket and if the pilot bulb does not light, the tube filament is bad and the tube should be replaced. The tester, made of aluminum, uses current from built-in pocket flashlight batteries.

Science News Letter, August 20, 1955

⚙️ **TARGET RIFLE**, 22 caliber, is the first production rifle to have a built-in bedding device, a feature that permits changing the pressure between barrel and stock fore-end. Partially designed by small bore rifle experts, the rifle's trigger movement and pull are easily adjusted. Ammunition for the rifle has a new rim shape for improved ignition, and was designed for better wind-bucking qualities.

Science News Letter, August 20, 1955



⚙️ **PONTOON BOAT** looks like a water-skimmer, those long-legged insects with a talent for skimming over the surface of still water. It is shown in the photograph. The boat's passengers are carried high above the water on a bench attached to two glass fiber pontoons. The boat is driven by passenger pedal-power, an outboard motor or an airplane-type engine.

Science News Letter, August 20, 1955

⚙️ **RELIEF MAPS** of the world's continents are shaped to the curvature of the earth to prevent distortions inherent in flat maps. Made of plastic with mountains and rivers standing out in relief, the circular maps resemble a slice from the globe.

Science News Letter, August 20, 1955

⚙️ **NEW TRAILER**, for carrying boats, small vehicles, equipment or materials, lowers flush with the ground to make loading or unloading easier. The elevator feature operates hydraulically, standard models having welded-steel bodies six feet wide and 10 to 14 feet long.

Science News Letter, August 20, 1955

⚙️ **HAND CREAM** for protecting the skin from harsh chemicals in detergents, bleaches, photo developing solutions, and similar products forms an invisible barrier around the skin. It has been reported so effective that demonstrators have immersed their treated hands in concentrated hydrochloric acid without damage to the skin.

Science News Letter, August 20, 1955

⚙️ **POCKET-SIZE INSTRUMENTS** can do the work of an engineer's transit in all preliminary and reconnaissance work. The compass and clinometer are designed to replace pentagonal prisms, angle glasses, the Abney level and the hand level. Object sighting and scale reading are simultaneous operations.

Science News Letter, August 20, 1955

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Do You Know?

An average *thunderstorm* releases 50 times the energy of the first atomic bomb.

The first commercial international *flight* was made between Paris and London on Feb. 8, 1919.

Chestnut breeding to develop blight-resistance has now produced varieties that may be considered as an orchard crop and as a source of game food in the woods.

Three hundred gallons of jet *fuel* are required to taxi a current jet bomber from warm-up ramps to the end of a runway for take-off, generally a distance of about one and a half miles.

Titanium is melted to ingots under a blanket of helium that keeps the metal from absorbing harmful gases while hot; many metals are welded under a helium shield for the same reason.