

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

⚙️ **TV LISTENING attachment**, easy to install, permits the video set to be used without disturbing others in the same room. The sound is carried to an earplug-like device which the user puts on. Others in the room can hear the program when the television sound is turned up in the usual manner.

Science News Letter, September 19, 1953

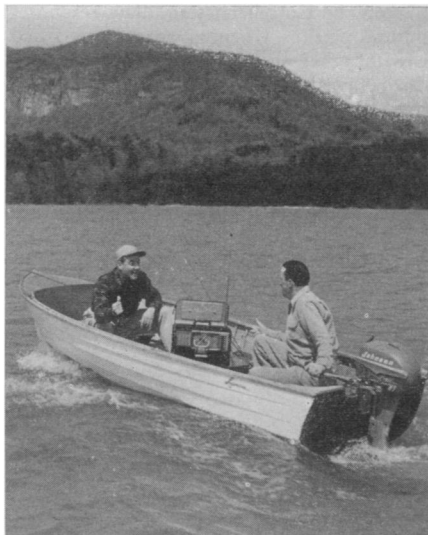
⚙️ **ELECTRONIC "EYE"** for automobiles automatically dims your headlights when on-coming traffic is encountered. Now being readied for full-scale distribution as an auto accessory, the device draws little battery current and comes complete with an install-it-yourself booklet.

Science News Letter, September 19, 1953

⚙️ **ELECTRIC SANDER** fits snugly into the palm of the hand and works on ordinary house current. A polishing pad can be substituted for the sanding pad to help the housewife make her furniture shine and her metalware glisten.

Science News Letter, September 19, 1953

⚙️ **QUIET OUTBOARD motor**, developed after three years of research, is insulated from the boat so that sounds are deadened.



Tests showed the occupants of the boat, shown in the photograph, could talk in conversational tones, hear a portable radio or the lapping of waves over the engine while the motor was operating at its full throttle of five and a half horsepower.

Science News Letter, September 19, 1953

⚙️ **ANTI-FIRE PAINT** helps stop blazes from spreading by exuding carbon dioxide and calcium chloride when fire licks surfaces coated with it. These chemicals produce a smothering action by choking off the fire's oxygen supply. The fire-retardant interior oil paint is said to be suitable for industrial use and may find applications aboard ships.

Science News Letter, September 19, 1953

⚙️ **MAGNIFYING LENSES** have been created for welders who wear bifocal glasses. The lenses fit standard protective helmets and are inserted between the regular helmet filter lens and the rear cover plate. The magnifying element of ordinary bifocal glasses usually is out of the line of vision when the helmet is in working position.

Science News Letter, September 19, 1953

⚙️ **IMITATION MARBLE**, for beautifying and renovating furniture and wall surfaces, resists heat, stains, weather and rot and does not break as easily as marble. Made of the same polyester material now being used in the manufacture of plastic boats, the "marble" is applied in a simple, quick adhesive process.

Science News Letter, September 19, 1953

⚙️ **VEST-POCKET TOOL kit** is equipped with nine handy tools that fold into the vacant space of its U-shaped steel frame handle. Protected by a cowhide leather case when not in use, the unit features a corkscrew, knife, Phillips screw driver, bottle opener, hammer, awl, can opener, augur and screw driver.

Science News Letter, September 19, 1953

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Do You Know?

By 1975, America's national magnesium consumption is projected to be 1845% above today's level.

Farm fires claimed 3,000 lives and inflicted a \$133,000,000 property loss in 1952.

Leaves and flowers may be attractively preserved by pressing them to a hard surface, then applying two or more thin coats of fresh, white shellac.

High blood pressure is found, to a greater or lesser degree, in one quarter of the U. S. population.

The hardness of water is caused by dissolved calcium and magnesium salts.