

New Machines And Gadgets

☛ **EYE TRAINER**, for developing accurate split-second seeing, is a box with a screen on which numbers are flashed before a trainee at exposures ranging from one second to 1/400 of a second. The trainee is started with four-digit numbers, but as perception improves, is given longer numbers at shorter exposures.

Science News Letter, May 4, 1946

☛ **VEST-POCKET slide rule**, circular in shape, has an outer scale, an inner scale and a "finder". It gives the square root, the logarithm and reciprocals of all numbers; "trig" scales give the sines and tangents of numbers. It is made of a nearly unbreakable plastic.

Science News Letter, May 4, 1946

☛ **POCKET adding machine**, the size and shape of a fountain pen and with a pencil point if desired, has on its cylindrical barrel a series of identical number wheel units which may be revolved with the fingers. Through gears these operate the mechanism that performs the addition and gives the proper answer.

Science News Letter, May 4, 1946

☛ **FEATHERWEIGHT material**, of great strength beneath a mirror-like exterior, has been developed for use in aircraft construction. It is made of two thin sheets of aluminum bonded to a sepa-



rating core of balsa wood. The smoothness of its finish is indicated by the reflection in the picture.

Science News Letter, May 4, 1946

☛ **RADIO RECEIVER** not only picks up ordinary programs but also can be used to talk to someone with a similar receiver in another room. It is merely plugged into the nearest electric light socket, and operates on the principle of carrier-currents. Each instrument in use

becomes a radio-frequency transmitting station.

Science News Letter, May 4, 1946

☛ **TIRE TRACKS**, to put under automobile wheels in mud or snow, are made of hinged steel pieces with non-slip tractive surfaces, and may be folded when not in use. When open they make a track 50 inches long and 12 inches wide.

Science News Letter, May 4, 1946

☛ **COLD STARTING fuel** for aircraft operating in subzero temperature slices the time required for preparation and starting to about two minutes. It is made from the low-boiling fractions of gasoline and is used in the regular aviation carburetor and priming system during the starting period only.

Science News Letter, May 4, 1946

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., N. W., Washington 6, D. C., and ask for Gadget Bulletin 309.

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