

• New Machines and Gadgets •

If you want 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 412. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **GARBAGE INCINERATOR** uses the waste itself as fuel. A unique down-draft system draws air from the top through the refuse which dries it as it burns, or even when not ignited. It is claimed to be a safe, sanitary, odorless way of burning all wet or dry garbage and other refuse.

Science News Letter, May 1, 1948

⚙️ **GLASS PARTITION** for office buildings reduces sound transmission as well as heat passage. A unit consists of two or more panes of glass separated by dry air sealed in by metal-to-glass bond. It can be used in ordinary windows to keep out street noises.

Science News Letter, May 1, 1948

⚙️ **LENSES** to magnify television pictures for the benefit of viewers is made of two sheets of a crystal-clear plastic bonded together to form a hollow cell which is filled with clear mineral oil. This light-weight lens is durable and withstands temperature changes without cracking.

Science News Letter, May 1, 1948

⚙️ **PENCIL SHARPENER**, for the desk or handbag, is in a plastic housing a little larger than a man's thumb, and can make a standard point, draftsman's long-lead blunt or long-lead sharp by regulating a cap at one end. A mere turn of this ball-bearing cap does the sharpening.

Science News Letter, May 1, 1948

⚙️ **X-RAY THERAPY** apparatus, shown



in the picture, is designed particularly for the treatment of skin ailments. It is claimed to produce, in comparison with other machines, an extremely high proportion of "soft" or long-wavelength radiation, which does not penetrate the surface.

Science News Letter, May 1, 1948

⚙️ **ELECTRONIC MICROAMMETER**, claimed to be capable of measuring accurately electrical direct current down to one-billionth of an ampere, is a portable, battery-operated, vacuum-tube meter useful in many fields where extremely small currents are involved. It is of especial value in television and atomic research.

Science News Letter, May 1, 1948

⚙️ **TRIANGULATOR**, one use of which is to aid an editor in selecting a portion of a photograph for reproduction, has two graduated arms at a right angle, and two sliding arms, to make a rectangle of any size desired, under which the picture is placed. When an attached wire is positioned diagonally, every composition within the rectangle is directly proportional to the rectangle.

Science News Letter, May 1, 1948

⚙️ **ENGLISH HAIRBRUSH**, that imparts perfumed fragrance to the hair while brushing it, contains a refillable bristle base which is detachable from its plastic handle for convenience in washing and cleaning. Behind the bristle base is a special pad which can be saturated with any perfume desired.

Science News Letter, May 1, 1948

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Question Box

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Photographs: Cover, George A. Smith, Quarryville, Pa.; p. 275, University of Wisconsin; p. 279, Michigan State College.

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