

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

☛ **SKYLIGHT GLASS** blocks are of special optical design, scattering the light rays out into the far corners of the kitchen, library, workshop or studio. They are self-cleaning and almost impossible to break, as well as offering more insulation than ordinary skylights.

Science News Letter, December 4, 1954

☛ **PHONOGRAPH RECORD** designed for distribution on a cereal carton is a 5¼ inch, 78 rpm record that can simply be cut from the box and played. Only .003 of an inch thick, you can throw it on the floor, step on it or rub it with the sole of your shoe and it still plays.

Science News Letter, December 4, 1954

☛ **TELEPHOTO LENS** for the camera enthusiast is a 105mm f2.5. The magnification of the new lens is 200% over the 50mm lens normally used in 35mm photography. Provided with click stops and a depth-of-field scale, its focusing range is from 3½ feet to infinity.

Science News Letter, December 4, 1954

☛ **KALEIDOSCOPE RECORD-PLAYER** creates a delightful and imaginative fantasia of color with each beat of the music. Synchronized with the electronic impulses of



the 78, 45 or 33 1/3 rpm record being played, the multicolored interpretations of the music never repeat themselves. Housed in reinforced plastic, it is designed for nursery or playroom abuse and is shown in the photograph.

Science News Letter, December 4, 1954

☛ **TOY TUBA** plays real music to satisfy junior's "oompah" desires. Golden-plated to look like its marching band's counterpart, it is made of a high-impact styrene plastic. The bell measures more than three feet around, and it has four feet of wrap-around horn.

Science News Letter, December 4, 1954

☛ **HIGH-SPEED FILM** now makes it possible for amateur and professional photographer alike to take pictures indoors with existing light, or night sporting events without flash. Available in 35mm, 4 x 5 film pack or 620 and 120 roll film, it has an A.S.A. daylight-exposure index better than 200.

Science News Letter, December 4, 1954

☛ **HAMBURGER OVEN** should be a boon to restaurants and hamburger stands alike. It uses radiant heat to cook the burgers and toast the rolls simultaneously. This stainless steel, fully-automatic oven can handle six hamburgers and rolls a minute.

Science News Letter, December 4, 1954

☛ **FIRE-RESISTANT DRAPERY** fabric is best suited for institutional use. A combination of two individually fireproof yarns, this textile has been approved by safety experts as being "flame-proofed." It is woven with saran and a new man-made fiber.

Science News Letter, December 4, 1954

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Do You Know?

Jellyfish are about 96.5% water, three percent salts and less than one percent protein.

The axolotl, a salamander, eats more than its own weight in a single meal.

A duck hawk, diving on its prey, often travels at 180 miles per hour.

The first horse, called ehippus, was about the size of a fox, and lived 60,000,000 years ago.

Tinted automobile windshields have been found to reduce visibility at night as much as 45%, depending on the degree of tinting.

Some 100,000 tons of fish are taken annually from the Great Lake of Cambodia in Indochina, an average of 26 tons per square mile of lake.

The rare, diminutive key deer, named for the Florida keys they inhabit, showed an estimated population in 1954 of 94; a herd of 200 is the minimum that will assure survival of the species.