

• New Ideas and Gadgets •

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⚙️ **EGG SHAPER** is a doughnut-shaped device made of stain-resistant aluminum that helps cook a perfectly shaped fried egg each time. To use, the unit is placed into the heated pan, the egg broken into it, and when the albumin turns white and hardens, the egg shaper is removed. The shaper, available in sizes for medium or large eggs may be engraved without additional charge.

• Science News Letter, 86:31 July 11, 1964

⚙️ **POWER CULTIVATOR** for the home garden or small farm is lightweight and easy to operate. The tool is equipped with steel serrated cultivating disks shielded by a steel fender guard and is powered by a $\frac{3}{4}$ horsepower engine that will run for eight hours on one gallon of fuel. The recoil starter and clutch are conveniently located at the end of the metal handle.

• Science News Letter, 86:31 July 11, 1964

⚙️ **TAX FILING SYSTEM** saves hours of labor when income tax returns are due. The index guide allows filing receipts and checks conveniently throughout the year into the proper categories for making out returns, thus saving time by eliminating the hours required for collecting data at income tax time. Guides for household items include 50 cards.

• Science News Letter, 86:31 July 11, 1964

⚙️ **AUTOMATIC COFFEE DISPENSER**, shown in photograph, suitable for office,



factory or home, pours the exact amount of instant coffee desired with a turn of a knob. Fitting any standard six-ounce instant coffee jar, the easy-to-operate dispenser also helps seal in the freshness of the coffee since it eliminates the need to remove the top each time the coffee is used.

• Science News Letter, 86:31 July 11, 1964

⚙️ **DECORATIVE CABINET** for the top of chest or dresser helps eliminate clutter and misplaced articles. Useful for storing small items such as necklaces, pins and other jewelry, the cabinet has nine small drawers and one larger drawer. Molded of styrene and mounted on brass legs, the small chest is painted an antique gold with gold glitter added and is lacquered for a durable finish.

• Science News Letter, 86:31 July 11, 1964

⚙️ **BARBECUE TOASTER** for indoors or outdoors, toasted sandwiches, pizzas and other snacks quickly and easily in about one minute. More than 16 inches long and consisting of two circular flat Teflon coated disks at one end held together by chrome plated heat-proof handles, the toaster can be used over the kitchen range or at the barbecue. Recipes are included.

• Science News Letter, 86:31 July 11, 1964

⚙️ **ELECTRONIC BABY SITTER** keeps a mother in continuous contact with the baby in a playpen or children on the beach. The "house and yard" transceivers, sold in pairs, are similar to walkie-talkie systems and operate on a citizens band requiring no license. A push-to-talk button can be locked in "open" position in a child's room with the companion unit elsewhere to receive any sound. An optional AC power unit is available separately.

• Science News Letter, 86:31 July 11, 1964

• Doctors Are Reading •

Child and Teen-Age Suicides Increasing

➤ AN ALARMING INCREASE in the number of suicides and attempted suicides by children and young people has been recorded.

Dr. Albert Schrut of Beverly Hills, Calif., reported in the *Journal of the American Medical Association*, 188:1103, 1964, that adolescent and child suicides now account for up to three percent of the ever-increasing suicide rate in the United States.

Suicide, Dr. Schrut said, is the result of a long series of acts toward self-destruction. Anxiety, frustration and a "feeling of helplessness" to do anything about these problems seem to cause the suicides.

The natural biological drive for survival becomes "perversely involved with a drive toward self-destruction," Dr. Schrut said. The resolution of this paradoxical situation seems to rest in psychotherapy, believes Dr. Schrut.

Long-Term Immunity to Tetanus

Immunity to tetanus continues indefinitely after the initial series of tetanus vaccinations.

A team of physicians studied the immunity of subjects who had received tetanus vaccines 14 to 21 years ago. The doctors also studied the effect of a single additional booster dose of tetanus vaccine upon the long-term immunity of the subjects.

They found that immunity lasts against tetanus without successive revaccinations. Doses of the vaccines, the report concluded,

were recommended only about every ten years, except in case of injury. The vaccine was previously thought to be necessary every four years, after the initial tetanus series was given. Immunity remains fairly constant, however, even without this booster dose.

These findings were reported in the *American Journal of Public Health*, 54:961, 1964. The research was sponsored by the Commission on Immunization, Armed Forces Epidemiological Board and the Office of the Surgeon General, Department of the Army.

Cooling Device Stops Stomach Bleeding

An inexpensive cooling apparatus that can control severe gastric bleeding from ulcers has been devised by Canadian surgeons.

The device is inserted orally into the stomach. Cold water is then circulated through the tubing, slowing down gastric circulation. This stops or controls severe gastric hemorrhaging.

The gastric cooling equipment was developed by Drs. R. D. Henderson and N. T. McPhedran of the University of Toronto, department of surgery. It can be constructed for "less than ten dollars" from parts available in any hospital workshop, the scientists reported.

The apparatus has been used successfully in seven of eight cases treated. It has been found to be safe and easy to set up and monitor while in use.

Their findings were reported in the *Canadian Medical Association Journal*, 90:1293, 1964.

• Science News Letter, 86:31 July 11, 1964