

• New Ideas and Gadgets •

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⊗ **GARDEN SPRAYER** useful to home gardeners automatically mixes water in different proportions with garden chemicals for fast feeding of shrubs or slow feeding of tree or turf. Its adjustable nozzle provides sprays from short mist to sharp jet, to long, narrow or broad sprays. The sprayer, molded of tough plastic, resists corrosion by most garden chemicals. The liquid level is readily visible through its walls.

• Science News Letter, 86:192 Sept. 19, 1964

⊗ **STUDENT DIAL BALANCE** with a capacity of 310 grams requires no loose weights and is time saving and easy to operate. The balance has no knife edges or bearings. Its five-inch removable pan is suspended by a "C" type arm for maximum access to the pan and is notched to prevent test tubes from rolling.

• Science News Letter, 86:192 Sept. 19, 1964

⊗ **WATERLESS HAND CLEANER** for the laboratory and precision shop lifts out embedded grit and grime, thoroughly cleaning the hands for precision work. It requires no water to rinse, and also acts as a coating for hands and skin against such laboratory irritants as chemicals and abrasives.

• Science News Letter, 86:192 Sept. 19, 1964

⊗ **SUSPENDED CEILING SYSTEM**, shown in photograph, for do-it-yourself



installation in the home is suitable for lowering ceilings, for hiding bad plaster, wiring, pipes and ducts, or for adding fresh beauty to the home. No special skills or tools are required to assemble the system. Its lay-in ceiling panels, cut in convenient 2x2-foot and 2x4-foot sizes, come in acoustical, decorative and translucent styles. Moulding, cross trees, hanger wires and other components are available along with the panels.

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⊗ **INSECT REPELLENT SPRAY** for personal use comes in an aerosol can that clips on like a pen and is easily carried on a shirt pocket, belt or a car sun visor. The spray will give hours of convenient protection against mosquitoes, gnats, flies, chiggers and other insects. Useful to have on hand for golfing, hunting, fishing and other outdoor sports, the spray is not greasy and will not stain.

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⊗ **PROTECTIVE TIPOVER SWITCH** automatically shuts off the ignition of any motor vehicle when it overturns, minimizing danger of fire or explosion following a crash. Especially recommended for use in vehicles equipped with seat belts, the device is easily installed in any automobile, bus, truck or tractor, regardless of make, model or year. Once installed, it requires no maintenance or adjustment.

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⊗ **LIQUID TILE KIT** allows a variety of materials to be laminated to almost any flat surface. Cotton fabric, a child's painting, silhouette designs and other decorative materials can be laminated to door, wall, panel or furniture by means of the liquid tile. The surface dries to a hard finish that can be safely cleaned with detergents, is waterproof and resistant to stains.

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• Doctors Are Reading •

Replanted Arms Working Well

➤ A 12-YEAR-OLD BOY and a 44-year-old man are now living nearly normal lives with replanted arms, two medical researchers reported.

The boy, whose right arm was rejoined below the shoulder about two years ago, has sensation in all five fingers and can even write his name. Although he cannot fully extend his arm, he can move his shoulder and elbow.

The man lost his right arm above the elbow in 1963. Now he is able to work as a machinist's supervisor, although he has no self-governing movement in his elbow.

Drs. Ronald A. Malt and Charles F. McKhann, both affiliated with Massachusetts General Hospital, Boston, and Harvard Medical School, Cambridge, said replantation of severed arms is worthwhile only for some patients under some circumstances.

They warned in the *Journal of the American Medical Association*, 189:716, 1964, that although trained surgeons can perform such operations, hospitals must have the resources to provide the patient with good workable replanted arms that are superior to artificial ones.

AMA Supports Drug Decision

The American Medical Association has editorially supported the Food and Drug Administration's reversal of its earlier decision to force an antidepressant drug off the market.

The drug, tranlycypromine sulfate, was under suspicion by FDA because of potential toxicity associated with it. However, FDA officials announced shortly before a public hearing on the matter that they are permitting the drug to return on the condition that the manufacturer call sufficient attention to its dangers.

The editorial appeared in *JAMA*, 189:766, 1964.

Stroke Deaths Linked to Heat

A sharp upturn in stroke deaths occurs in hot weather, a study indicates.

The reason is not "entirely meteorological, but more probably concerns elements of medical diagnosis, therapy and reporting which can strongly influence vital statistics," researchers said.

More than 4,600 cerebrovascular accident deaths above the computed national prediction occurred during June and July 1963.

These were recorded during hot spells in cities on the East Coast, and in Detroit, Chicago, Kansas City, Mo., and Kansas City, Kans. Deaths in southern and western cities appeared normal during this period.

Dr. Stanley H. Schuman, assistant professor in the department of epidemiology, School of Public Health, University of Michigan, Ann Arbor, Dr. Charles P. Anderson, Detroit's health commissioner, and Mr. James T. Oliver, statistician at the Detroit Department of Health, reported their research in *JAMA*, 189:733, 1964.

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