

• New Ideas and Gadgets •

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⊗ **DEEP CUTTING HACKSAW** cuts all types of sheet material, plain or corrugated, as easily as a joiner's saw cuts through plywood. Designed and fitted with a replaceable 12-inch high speed hacksaw blade, it will cut steel, brass, copper, asbestos, slate or plaster to any depth. The saw is also useful for cutting pipes.

• Science News Letter, 84:255 Oct. 19, 1963

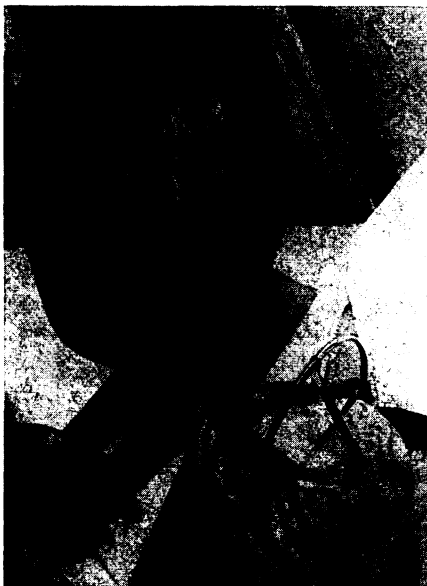
⊗ **STUDENT LAMP** gives pure-white, glare-free illumination with an intensity of 40 footcandles at 12 inches. Mounted on a 2 by 2¼-inch compact base that will fit anywhere, the all-metal lamp has a 14-inch gooseneck arm and a head that swivels 360 degrees. Finished in two-tone enamel, the lamp is suitable for office, study or workshop.

• Science News Letter, 84:255 Oct. 19, 1963

⊗ **ELECTRIC SPACE CLOCK** that provides accurate up-to-the-second readings in 19 separate time categories is useful to teachers and students. Trouble-free and easy to read, the clock requires only one setting in any geographical location. In addition to information such as sun position, daily sunrise and sunset, moon position, low and high tide time, and solar time of sun, moon and stars, it serves as a perpetual calendar.

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⊗ **NEW RIVETING TOOL**, shown in photograph, for householders and hobbyists is as easy to use as a pair of pliers. The



tool can be used to join plastics, fabric, rubber and other materials, as well as metal. Taking only a few seconds to operate, the rivet is set from one side merely by placing the stem in the tool and inserting the rivet into the hole of the work and squeezing the handle. The joint does not loosen by vibration or service. An assortment of rivets and back plates is included in the riveting kit.

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⊗ **AIRCRAFT MOORING STAKE** designed for owners of light planes holds small aircraft securely and helps prevent wind damage. It consists of a cast aluminum stake held securely in the ground by three other stakes inserted through a special collar. Moored with a strong rope to several sets of stakes, a plane is secure from even gale force winds. The device is also useful for securing large tents against winds.

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⊗ **DUSTLESS BELT SANDER** has a motor housing aligned with the base of the casting to allow flush sanding to vertical surfaces. Useful for home or shop, the sander has a scoop-type dust chamber built into the rear of the tool that funnels sawdust into an optional vacuum hose attachment that connects to any vacuum cleaner. The sander can be used for wood, metal and plastic surfaces.

• Science News Letter, 84:255 Oct. 19, 1963

⊗ **READY-TO-USE DEVELOPER** is a pre-mixed solution of chemicals contained in a plastic bottle for developing photographs. No measuring or mixing of chemicals is required by the home developer, eliminating waste and assuring perfect copies each time. Packaged three bottles to a case, each produces about 125 copies. To dispose of the old fluid, just pour the solution into the original bottle, seal and throw in any waste paper basket.

• Science News Letter, 84:255 Oct. 19, 1963

• Doctors Are Reading •

Eat Six Meals and Lose Weight

➤ **YOU CAN EAT** more meals but lose weight on less calories. But first you must fast for 48 hours, and never, never eat rich desserts or drink liquor, physicians will be reading in the Journal of the American Medical Association, 186:50, 1963.

It is a matter of metabolism, researchers at the University of Wisconsin Medical School reported. For a "metabolic obese" person infrequent heavy meals will be stored as fat, whereas the six meals totaling 1,320 calories a day will be digested readily. A diuretic may have to be given to aid in keeping down fluid weight.

The list of forbidden foods includes these: butter, carbonated beverages, unless prepared with a noncaloric sweetener, nuts, except for California English walnuts, potato chips, pretzels, crackers (all of which can be bought without salt); sugar, syrups, molasses, honey and candy; sweetened pickles, gelatine with sugar, gravy and meat drippings, along with the previously mentioned liquor and desserts.

If Napoleon and George III had kept down their weight, an editorial quotation pointed out, the battle of Waterloo and the American Revolution would both have turned out differently. They were both "fat-witted," the editorial said, and could not make clear judgments about war.

Drs. Edgar S. Gordon and Marshall Goldberg with Mrs. Grace J. Chosy of the dietetics department, reported the study. They said the 48-hour diet was not for losing weight, but to "break the

metabolic pattern." These patients also were treated with a thyroid compound to increase the oxidation of glucose in those who needed the drug.

Hearing Loss From Drug

There is danger in treating tuberculosis with dihydrostreptomycin; 12 patients in California suffered hearing loss when so treated. Drs. Walter E. Heck and H. Corwin Hinshaw of the University of California School of Medicine, San Francisco, and Dr. Harry G. Parsons of Weimar Medical Center, Weimar, Calif., found the 12 cases among 1,150 patients treated.

"For many years we have emphasized that trade names of mixtures containing streptomycin or dihydrostreptomycin, or both were not interchangeable," they reported in JAMA, 186:18, 1963. Even very small doses of the latter drug can cause hearing loss.

Membership in WHO

Membership of the United States and the Soviet Union in the World Health Organization serves both foreign policies, but the nonpolitical character of WHO is maintained in international health promotion, Maureen Gallagher, an information specialist in the U.S. Public Health Service, said in JAMA, 186:29, 1963. An editorial note says "no official support or endorsement" of WHO is intended or "should be inferred."

• Science News Letter, 84:255 Oct. 19, 1963