

• New Ideas and Gadgets •

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⚙️ **DRUM RASPS**, shown in the photograph, that easily cut, shape or form wood, wallboard, plastic and other materials are used with electric drills and bench motors. The cutting teeth stay sharp and do not clog. Available in three sizes, 3/4, 1 1/4 and two inches, the tools all have a 1/4-inch shank and a 1 1/2-inch long cutting surface.

• Science News, 89:328 April 30, 1966

⚙️ **SOLDERING KIT** allows joining of most metals otherwise difficult to solder. The unit consists of flux in a small squeeze bottle and a four-foot length of 1/16-inch diameter cadmium- and lead-free solder which are used in combination. The flux disperses the oxides in the metals causing the quick-melting and quick-setting solder to flow into position more easily. The silver solder is highly resistant to water corrosion.

• Science News, 89:328 April 30, 1966

⚙️ **ACCESSORY FLASH UNIT** is designed for use with flash cubes. The unit, which attaches to certain models of cameras, makes it possible to make four flash photos without changing a bulb. The cube can be rotated in either direction and is simply turned to a new lamp position after each picture. An ejector button is provided on the device to release the used flash cube. Two models are available.

• Science News, 89:328 April 30, 1966



⚙️ **PORTABLE BRIDGE TABLE** folds into a neat package with a carrying handle. The table which opens into a 31x31-inch, 28-inch high table, folds into a compact 2x15 1/2 x 31-inch case-like self-latching unit weighing 13 pounds. Useful for home, patio, mobile home or office, its flat folding legs and folding top are provided with special plastic hinges. Plastic tips on the legs protect floors and the teakwood-finish table's mar resistant vinyl surface never needs waxing.

• Science News, 89:328 April 30, 1966

⚙️ **CLAMP HOLDER** made of aluminum alloy is especially designed for cramped clamp assemblies. The clamp is made in two parts—an open throat for attaching to a support frame and a right angle extension for holding the apparatus. Made with both thumb-screws of the clamp on the same side, the unit can be tightened quickly and easily with just one hand, without disturbing the set-up.

• Science News, 89:328 April 30, 1966

⚙️ **PIPELINE TAGS** make it possible to quickly identify gas lines, water pipes, electrical wires or valves in industrial plants or other buildings. The plastic identification tags are made with a flat rectangular surface and an open circular ring which snaps around the object. Also suitable for marking bottles and test tubes in laboratories, the tags, which come in several colors, can be written on with pen, pencil or marking crayon.

• Science News, 89:328 April 30, 1966

⚙️ **PICK HOLDER** for guitars keeps the pick readily available on the instrument, eliminating the need to search through pockets, instrument cases and other places, when needed. The all-aluminum holder which is gold anodized can be attached to any convenient spot and will remain indefinitely without damaging the instrument surface.

• Science News, 89:328 April 30, 1966

• Doctors Are Reading •

Vaccine Increases Survival

➤ **THE SURVIVAL RATE** of dogs exposed to radiation is increased if they are given typhoid-paratyphoid vaccine (TAB) 24 hours before exposure.

The vaccine does not significantly increase survival if given one hour after irradiation, however.

TAB is one of the few substances that protects animals larger than laboratory rodents, Drs. E. J. Ainsworth and F. A. Mitchell of the U.S. Naval Radiological Defense Laboratory, San Francisco, have found.

Their work, which is reported in *Nature*, 210:321, 1966, was supported through funds provided by the Bureau of Medicine and Surgery and the Defense Atomic Support Agency.

• Science News, 89:328 April 30, 1966

New Compounds for Cystic Fibrosis

➤ **A PROMISING GROUP** of chemical compounds has been developed at McGill University, Toronto, offering relief from the heavy mucus secretions of cystic fibrosis.

Dr. Deirdre Waldron Edward discovered the compounds which are ammonia derivatives known as mucolytic amides, and Dr. Stanley C. Skoryna carried out the clinical studies.

Unlike chemicals such as cysteine compounds and mucolytic enzymes now in use for inhalation, these new compounds are efficient without being toxic, the physicians reported in *Medical World News*, 7:36, 1966.

• Science News, 89:328 April 30, 1966

Cholesterol Reduction Diet

➤ **PERSONS SUSCEPTIBLE** to coronary heart disease are advised to reduce cholesterol in the blood by following a strict diet, although it is uncertain whether diet modification actually reduces the disease.

Five years of diet research at the Cleveland Clinic in Ohio have produced a diet requiring a patient to take no more animal fat than 200 grams—approximately the amount in seven to eight ounces of lean, cooked meat.

Dieters are advised to use vegetable oils and their products for the balance of fat, and to limit eggs to five or fewer a week.

The diet is not designed to take off weight, but to maintain the regular calorie intake while substituting foods that produce less cholesterol. The research, supported by the National Heart Institute, was reported in the *Journal of the AMA*, 196:205, 1966, by Drs. Helen Brown and Irvine M. Page, with Marilyn Farrand.

• Science News, 89:328 April 30, 1966