

• New Ideas and Gadgets •

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⚙️ **NEW PHOTO ALBUM** uses no paste or mounting corners. The special paper in the album is self-adhesive, holding photos firmly in any desired position, but still permitting them to be removed or rearranged at any time by simply easing them off the page. A transparent film over each page holds the pictures in position while providing protection. The album available in several colors, measures 11-3/8 x 9-3/8 inches and contains 20 pages.

• Science News, 89:358 May 7, 1966

⚙️ **POWER OUTLET BOX** that provides safe and convenient power for industry, schools and home workshops has six individual heavy-duty outlets. Measuring 2 1/4 x 8-5/8 x 1 1/2 inches in size, the easy-to-mount unit has an on-off master switch and a bright pilot light. The device, rated 15 amps, 130 volts continuous duty, has a positive circuit breaker protection against burn-out or overload. It comes with a 10-foot cord.

• Science News, 89:358 May 7, 1966

⚙️ **CARPETING FOR BOATS** is not affected by sunlight, moisture, salt spray, mildew rot, chemicals or petroleum products. The fiber of the carpeting, which is available in five colors, is solution dyed. The color, therefore, is built in and locked in. Ridged and skid proof, the tufted broadloom is available by the yard in 12-foot widths.

• Science News, 89:358 May 7, 1966



⚙️ **WATER PRESSURE SYSTEM** shown in the photograph, provides full water pressure at all times on trailers, campers and other recreational vehicles when connected to the water tank. Easy to install by the owner, the system is only 5 1/2 x 8 3/4 x 10 inches, requiring little space. Completely automatic, the unit has a diaphragm that reacts to pressure changes. Whenever water pressure in the lines from the tank increases, the pump is turned on. When the faucet is closed, the pump is turned off automatically. The 12-volt device operates on a car battery. A 32-volt model is also available.

• Science News, 89:358 May 7, 1966

⚙️ **LIQUID LEVEL MONITOR** for controlling liquid chromatography columns, viscosity measurements and general liquid level detection consists of a detector head which clamps to the tube or column and a control assembly. When in use, the rising or falling of the liquid column breaks a light beam in the detector head setting off an audible alarm and an output signal for operating auxiliary devices.

• Science News, 89:358 May 7, 1966

⚙️ **MESSAGE MINDER** is a compact unit 6x3x2 inches in size for recording messages, eliminating the need for penciled notes. A button is flipped and the message is spoken into the recorder which is played back when the absent person returns. After the message is heard, another flip of the button erases the tape for the next recording. The recorder, which is powered by a transistor-type battery is available in several colors.

• Science News, 89:358 May 7, 1966

⚙️ **SAMPLING STUDY KIT** for the engineering student will help him understand statistics and their applications. Useful as a teaching aid in the study of mathematical probabilities, mean values, statistical sampling, correlations and other areas of statistical studies, the kit includes a vernier caliper, a one-inch micrometer and 120 cylindrical metal pieces 0.750x0.500 inches all fitted in a mahogany case. An instruction booklet is included.

• Science News, 89:358 May 7, 1966

• Doctors Are Reading •

Treatment for Typhoid Carriers

➤ **CHRONIC TYPHOID** carriers are being treated with some success by a semisynthetic penicillin called ampicillin. Until recently, removal of a carrier's gallbladder was considered the best method of treatment, but now unless relapses occur after long-term ampicillin therapy, the surgery may not be necessary.

Laboratory tests were negative for 13 of 15 California carriers in follow-up examinations after seven to 54 months, two researchers reported in the New England Journal of Medicine, 274:807, 1966. All 15 responded to four weeks of the drug treatment, but two had relapses.

Dr. Harold J. Simon of Stanford University School of Medicine, Palo Alto, Calif., and Dr. Raymond C. Miller, acting director of public health, San Jose City Health Department, said one of the "relapses" was probably a reinfection.

The researchers reviewed reports of 42 other chronic carriers who had been treated by ampicillin. Of the total of 57 patients, including the present series of 15, 37 remained apparently cured.

• Science News, 89:358 May 7, 1966

Pregnancies Continue After Membrane Rupture

➤ **MEDICAL ANNALS** contain virtually no reports of pregnant women who have been able to carry their babies to term when the fetal membranes rupture early in pregnancy.

Usually; in such cases, labor occurs within 24 hours.

However, two Missouri physicians have just reported on two women whose pregnancies continued to almost seven months and to term when they received massive doses of a progestational agent, even though the membranes ruptured between the third and fourth months of pregnancy.

"One significant fact common to both of these cases was that both women received large doses of medroxyprogesterone (Provera) prior to the rupture of the membranes," according to Drs. Robert Burnstein and Samuel D. Soule, Jewish Hospital and Washington University School of Medicine, St. Louis.

Reporting on the cases in Missouri Medicine, 63:127, 1966, the clinicians said it is interesting to conjecture the effect of large doses of progestin in altering uterine response so as to inhibit contractions and emptying of the uterus.

• Science News, 89:358 May 7, 1966