

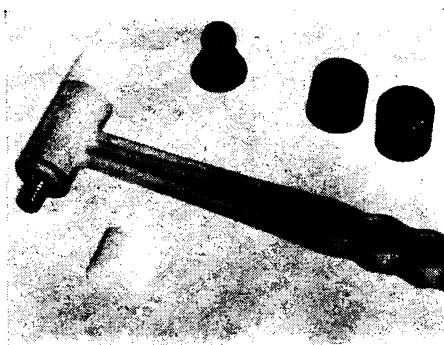
# • New Ideas and Gadgets •

Ask for Gadget Bulletin 1380 for source information. Send self-addressed stamped envelope to SCIENCE NEWS, 1719 N St., N.W., Washington, D. C. 20036.

⚙️ **MAGNETIC TAPE SPLICER** for editing and repairing video recording tape is a heavy-duty splicer suitable for use in professional and industrial audio, computer or telemetry applications. A guide and arms secure the tape while a blade centering adjustment insures accurate cutting. The splices are trimmed so that the adhesive will not contact critical parts of the recorder.

⚙️ **CALIBRATION LABELS** for low-cost calibration identification of testing instruments and apparatus are made with a pressure sensitive backing. Space is provided on the label for inserting with pen, pencil or ball-point pen, the date of calibration and name of person performing the operation. Labels come in several styles, sizes and colors.

⚙️ **PORTABLE GENERATOR** provides electricity for travel trailers and other recreational vehicles in public parks and other locations that do not provide service connections. Resistant to damage from operating in dusty or wet saltwater environments, it is also suitable for marine use. Lightweight, the 14-by-14-by-18-inch generator has a 3½ horsepower gasoline engine.



⚙️ **LIGHTWEIGHT HAMMER**, shown in photograph, is made with a one-piece handle and head molded of hard rigid plastic and is designed to accept interchangeable tips. The multipurpose hammer is suitable for general industrial use and for metalworking, woodworking and leather-working trades as well as for the home workshop. The one-piece handle, 8¾ inches long, is shaped for easy grip. One-inch diameter tips of metal or plastic for specialized requirements are available separately.

⚙️ **PUSHBUTTON DOOR LOCK** eliminates the worry of lost or misplaced keys. The door opens with a four-number combination selection from the ten numbers, 0 to 9. Since there are 10,000 possible combinations that can be used, the lock is virtually "pick-proof." Combinations may be changed as desired. Easy to install, the lock comes in several styles and colors.

⚙️ **NUMBER LIGHTS** are thin electroluminescent lamps, cool light sources whose entire surface glows. Useful for computers, automatic scales, outdoor clocks and temperature devices, the new readout lamps (lamps which can change rapidly to form any digit) can be made in various sizes from as small as ½ inch to eight inches.

⚙️ **RADIO-LIGHT COMBINATION** consists of a high intensity lamp with a six-transistor radio in its base, 4⅝ inches in size. Requiring little space, the lamp has an adjustable chrome arm and a swivel shade that holds a screw-type bulb. The lamp, made of high-impact plastic, uses AC electric source while the radio is powered by batteries.

# • Doctors Are Reading •

## Spectators Have Heart Attacks

Injuries at football games are not confined to players. At the University of Nebraska, Lincoln, for example, heart attacks endanger one and sometimes two spectators during the home game, which brings 65,000 cheering fans to the stadium.

So far in 1966, three fatalities have been prevented by the quick action of physicians, nurses, technicians and volunteers manning a specially set up room.

The resuscitation unit, equipped with an electrocardiograph, defibrillator and oscilloscope, is believed to be the only one of its kind in the U.S., Dr. Kenneth D. Rose, chief, medical research, University Health Services, reports in the *Journal of the American Medical Association* 198:50, 1966.

## Surgical Patients of 70 Survive

Patients of 70 or older can survive surgery as well or better than younger persons, two Chicago physicians report in the *Archives of Otolaryngology* 84:77, 1966.

In a study of 105 elderly persons undergoing head and neck surgery, Drs. Arthur Loewy and Donald J. Huttner said only eight percent died as opposed to a

control group of 100 patients between 55 and 69 years of age undergoing comparable operations. This is better than the average of 17.5 percent deaths in other types of surgery summarized from medical literature.

## Medical Schools Graduate 7,574

U.S. medical schools during the past year graduated 7,574—163 more than the preceding year, and an all-time high.

Foreign countries now provide 75 percent of all the foreign graduates serving residencies in this country. Seventeen percent of the total came from Spanish-speaking nations, 40 percent from the Far East, 10 percent from the Middle East, 14 percent from Latin America and 12 percent from Europe.

Americans also go abroad for medical study. A few enter Canadian medical schools, but considerably more go overseas. A total of 2,448 students were working toward degrees in medicine or in the medical sciences last year, the American Medical Association Council on Medical Education reported in the *Journal of the AMA* 198:847.

The brain drain has been criticized in Congress as "reverse foreign aid" from the poor countries to the U.S.