

• New Ideas and Gadgets •

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⚙️ **BATTERY OPERATED CLOCK**, $3\frac{1}{4} \times 3\frac{1}{2} \times 2\frac{1}{2}$ inches in size, runs a year on a single "C" battery. The portable clock, suitable for car, boat, camping, travel and home use, can be placed in any position on a metal, wood or plastic surface. Adhering firmly by means of a fiber-mesh fastening arrangement on its base, it resists vibration and jolting. It can be easily detached for quick transfer from place to place.

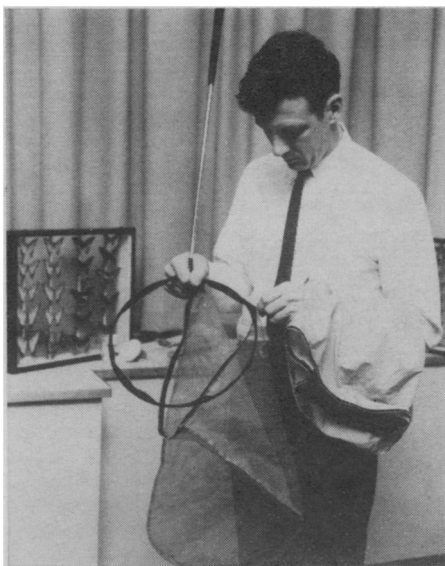
• Science News, 89:304 April 23, 1966

⚙️ **RECHARGEABLE FLASHLIGHT** has a battery that never needs replacement. Easily recharged over and over again, the flashlight is placed overnight in any 110-volt AC outlet or, with an optional accessory, in an automobile cigarette lighter to maintain its charge. Available in leather-like red, tan or black, it comes with a built-in magnet and can be secured on any ferrous metal surface.

• Science News, 89:304 April 23, 1966

⚙️ **SLATE CARVING** reproductions are made from material that closely duplicates the original slate in color and texture. The reproductions which should be handled as would the originals are of the unusual carvings of Carl Schreck, one of the foremost artists in this technique in the United States.

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⚙️ **ZIPPERED BUTTERFLY NET**, shown in photograph, for professional collectors and hobbyists has a detachable bag mounted on a chrome-plated steel golf club handle. Designed for rugged field use, the zipper-fitted bag of the versatile net can be replaced easily and quickly with accessory bags available separately, for taking samples of water insects, plankton and other marine life and for heavy duty beating bag.

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⚙️ **SNAKE BITE KIT** contains iodine antiseptic swab, lancet, tourniquet, transparent molded plastic pump for applying to the bite and extracting poison, ammonia inhalant for shock and lubricant for syringe. Useful for on-the-spot treatment, the materials are housed in a molded non-breakable polypropylene case. No special experience is required for use. Instructions are enclosed.

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⚙️ **FOLDING ALCOHOL STOVE** for sportsmen, campers or picnickers, is only $3 \times 6 \times 9$ inches in size and weighs $2\frac{1}{4}$ pounds. The all-metal one-burner bean warmer has a one-half pint fuel tank built into the hinged top and will provide up to three hours of cooking. The height of the flame is controlled with a knob.

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⚙️ **HEATING STAGE MICROSCOPE** suitable for melting point determination, identification and thermal analysis of organic substances has a heat-resistant circular stage with a thermostatically controlled temperature range from minus 50 degrees to plus 350 degrees C. The instrument is equipped with a built-in analyzer and a swing-out polarizer and has a 10x short-mounted objective, allowing ample working space.

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• Doctors Are Reading •

Chimpanzees Divided Into 'Races'

➤ **CHIMPANZEES**, like men and women, can be divided into subspecies or "races" according to the distribution of blood groups, four scientists reported in Science 152:220, 1966.

The frequency of the human-type blood group O, for instance, ranged from a low of 9.5% in one chimp race to a high of 39.4% in another, reported Drs. J. Moor-Jankowski and Alexander S. Wiener of the New York University School of Medicine and Clyde H. Kratochvil and Jerry Fineg of the Holloman Air Force Base in New Mexico.

This variation in blood-group distribution in chimpanzees compares with the extreme variations encountered in man, for instance, in the American Indians and Australian aborigines.

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Combating Cyanide Poisoning

➤ **THE UNLUCKY** individual who gets a dose of cyanide probably has the best chance of surviving if he is given two chemicals plus oxygen.

Oxygen has an enhancing effect on the drugs normally given to counteract cyanide poisoning, James L. Way, Stanley L. Gibbon and Maureen Sheehly of Marquette University, Milwaukee, Wis., discovered in tests on mice.

A gas composed of 95% oxygen and 5% carbon dioxide

was not a satisfactory treatment when used alone. But in combination with sodium nitrate and sodium thiosulfate, a high degree of success was achieved.

The researchers recommended in Science, 152:210, 1966, that the three-part treatment be adopted as a routine measure since there is no hazard in using oxygen this way.

• Science News, 89:304 April 23, 1966

Heart Surgery Not Precluded by Age

➤ **THE RISK** in open-heart surgery for the elderly is no greater than that found in younger patients with similar heart ailments.

A team of surgeons at Baylor University School of Medicine, Houston, operated on 54 persons between the ages of 60 and 73. Although all were severely ill, only 11 died, a figure that compares favorably with the death rate for younger patients.

In most cases surgery was performed to correct heart valve defects or ventricular aneurysms in which there was a thinning out and ballooning of the heart muscle wall posing the danger of fatal rupture. Many of the patients had developed heart disease as the long-term result of rheumatic fever.

Drs. L. Thompson Bowles, Grady L. Hallman and Denton A. Cooley reported the findings in Circulation, April, 1966.

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