

# •New Machines And Gadgets•

⚙️ **HEAT CONTROL DEVICE**, located outside a building and actuated by outside temperatures, regulates inside heating automatically. It replaces the inside thermostatic control and can be used with all types of heating units in homes and large industrial buildings. It is a low-cost unit simple to install.

Science News Letter, June 1, 1946

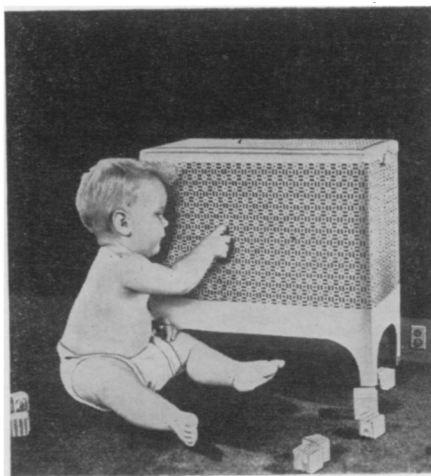
⚙️ **TWIN-LENS CAMERA**, in the medium price field, has shutter speeds from  $\frac{1}{2}$  to  $\frac{1}{200}$  second, and built-in flash synchronization. The viewing lens and the taking lens are geared together so that when the subject is in sharp focus on the ground glass, it is also in focus on the taking lens.

Science News Letter, June 1, 1946

⚙️ **COIN-OPERATED RADIO** for hotel rooms gives two hours of operation for a quarter. It looks like an ordinary radio receiver but has a slot for the coin, and the coin mechanism inside. An electric timing device, which operates only while the set is in operation, assures 120 minutes of program, continuous or intermittent.

Science News Letter, June 1, 1946

⚙️ **ELECTRIC roomheater**, housed as shown in the picture in an all-steel cabinet resembling the ordinary radiator cover, is safe if upset and keeps clothing



away from the heater wires. Two upright heating coils are used. Their large exposed surface areas reduce wattage per square inch to a point below incandescence.

Science News Letter, June 1, 1946

⚙️ **OIL REFINER**, to salvage used lubricating oil in small establishments and restore it to the quality of new oil, removes solid suspended impurities and dissolves contaminants, acids and fuel dilution. Various models designed for specific users are now in production.

Science News Letter, June 1, 1946

⚙️ **GRASS CUTTER**, to cut tall stems passed over by the ordinary lawnmower, is a two-wheeled affair with a handle and a series of pointed teeth between the wheels swung low over the ground. On each second tooth a double-edged razor blade is fixed, with both edges exposed, against which the stems are pressed.

Science News Letter, June 1, 1946

⚙️ **MAGNETIC-GRIP SHIELDS**, of transparent plastic with a strong small horseshoe magnet attached on one side, may be quickly stuck at any angle on lathes and other machines of iron to protect operators from flying particles. Better than goggles, they protect not only the eyes, but the entire face and body.

Science News Letter, June 1, 1946

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., N. W., Washington 6, D. C., and ask for Gadget Bulletin 313.

## Books

SCIENCE NEWS LETTER will obtain for you any American book or magazine in print. Send check or money order to cover regular retail price (\$5 if price is unknown, change to be remitted) and we will pay postage in the United States. When publications are free send 10c for handling.

Address Book Department

SCIENCE NEWS LETTER

1719 N St., N. W.

Washington 6, D. C.

## Question Box

### ACOUSTICS

What new instrument will aid the deaf to use the telephone? p. 345.

### AERONAUTICS

The growth and arrangement of our cities will be influenced by what flying machine in the future? p. 349.

### ENTOMOLOGY

What is the real name of the 17-year locust? p. 350.

### GENERAL SCIENCE

What did the Russians do about young scientists during the war? p. 350.

### GEOGRAPHY

What are atolls made of? p. 347.

### HYDROPONICS

Where are the world's largest soilless gardens being built? p. 341.

### INVENTION

What instrument aids a new hoeing machine in its job of chopping out weeds? p. 347.

chine in its job of chopping out weeds? p. 347.

### MEDICINE

Typhus fever has been effectively treated with what new chemical? p. 344.

What new drug cure is contemplated for tularemia? p. 339.

What war-time-developed drug has been released to physicians? p. 342.

What treatment is recommended for many people complaining of aches and pains?

### NUTRITION

What disease is threatening the starving people of the Danube basin? p. 342.

### PHYSICS

Atomic science may be applied to what field of physics in the future? p. 344.

What methods have been developed for studying air streams travelling faster than sound? p. 345.

The imprint to the right is mailing address for your Science News Letter.

Date on lower line is expiration of your subscription.

Renew early to avoid lapse in service.

In requesting change of address please give your old address as well as the new one, at least two weeks before change is to become effective.

Where published sources are used they are cited.