

• New Machines and Gadgets •

⚙️ **TIME-CLOCK** control for radio receivers can be set to interrupt other programs and throw in automatically any desired program at the proper time. It has a frequency pre-selector with an auxiliary condenser which is manually operated to pre-select the station, and clock mechanism to substitute this condenser at the right time.

Science News Letter, February 17, 1945

⚙️ **PLASTIC CLIP**, to hold a pencil in a pocket, and a transparent plastic barrel and magazine to hold extra leads, are held permanently in a single unit by means of a sleeve cemented to the barrel or its cap. The clip is the same material and color as the barrel within which the leads are visible.

Science News Letter, February 17, 1945

⚙️ **MARBLE DISPENSER**, to be carried on a belt about the body of a marble-shooter to save losses and pocket wear, resembles the coin dispenser used by streetcar conductors. The marbles, inserted in openings in the top, are released singly below when a lever is pressed.

Science News Letter, February 17, 1945

⚙️ **FLATBOAT** operated by an automobile carries the car and is powered by the car's engine. The car is driven onto its flat deck and locked in place with the rear wheels jacked up. Wide flat belts which extend below, over drive wheels on the propeller shaft, are passed over these wheels.

Science News Letter, February 17, 1945



⚙️ **SYNTHETIC RESIN** called compar is replacing rubber in certain washers, seals, gaskets, diaphragms and other flexible articles because of its elasticity, flexibility and abrasion resistance. The articles, as illustrated, are molded of this vinyl resin derivative into various shapes.

Science News Letter, February 17, 1945

⚙️ **COMBINED** compass, protractor and ruler for drafting has flat plastic legs hinged at the top that hold the pin-point and lead. A scale is on one side of the outer edge of one leg, the protractor is on the other side with the lines to measure degrees extending across both legs.

Science News Letter, February 17, 1945

⚙️ **LAWN SWING**, operated without outside aid by leaning backward and forward, has a swinging box with seat suspended at its center on two swinging arms, and a rod extending from its front to the top of one swinging arm. Geared wheels join the rod and arm.

Science News Letter, February 17, 1945

⚙️ **ANTENNA** for automobile radios, adjusted electrically, is a telescoping metal structure that may be projected above the top of the car by means of a small motor at its base and lowered by the same motor. An electric switch within the car, in easy reach of the driver, is turned to the right or left.

Science News Letter, February 17, 1945

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 246.

BOOKS

SCIENCE NEWS LETTER will gladly obtain any American book or magazine in print for subscribers.

Send check or money order to cover regular retail price. If price is unknown, send \$5 and change will be returned. We will pay postage in the United States.

When publications are free, send 10c for handling.

Book Department
SCIENCE NEWS LETTER
1719 N Street, N.W.
Washington 6, D.C.

Question Box

CHEMISTRY

What are the new rubberlike plastics used for? p. 105.

What is the latest DDT achievement? p. 102.

ENGINEERING

How may snow be melted on airport runways in the future? p. 105.

How will cheese, ice cream, fresh meat and eggs be brought to soldiers in the Pacific theater? p. 104.

GENETICS

How can colchicine be applied effectively to scores of plants at a time? p. 105.

Do alcoholics inherit their weakness from their parents? p. 102.

MEDICINE

How will beriberi among the rescued prisoners of the Japs be treated? p. 100.

What is needed to complete the effect of penicillin in severe pneumonia cases? p. 104.

Why are the brains of abnormal persons more interesting to science than those of normal ones? p. 99.

NUTRITION

Why do mammals emigrate? p. 99.

ORNITHOLOGY

How are the heartbeats of birds counted? p. 101.

PSYCHOLOGY

What six reasons may be given by men when they tell you why they married or want to marry? p. 106.

Where published sources are used they are cited.

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.