

•New Machines And Gadgets•

⊗ **SOAP DISPENSER** squirts the liquid material into a user's hands without being touched. When the hands are cupped to receive the soap, they are in a position where they break a beam of light directed against a photoelectric relay. This causes a flow of electric current to operate the dispenser.

Science News Letter, June 8, 1946

⊗ **ERASING MACHINE** for use in drafting rooms is small, portable and power-driven. The eraser itself is a tube of rubber or other stretchable erasing material that fits over an extended shaft of the motor, the shaft having a flared end. This stretches out the ring of rubber that does the erasing.

Science News Letter, June 8, 1946

⊗ **ELECTRIC hygrometer**, for high-precision humidity measurement and control, employs a sensing element that is claimed to be the speediest device known for measuring humidity changes. It neither adds nor takes away moisture from the space whose moisture content is being measured.

Science News Letter, June 8, 1946

⊗ **OIL-BURNING furnace** with a new vacuum draft needs no chimney of the ordinary type as a draft-creating device. It uses a suction fan which pulls air through the combustion chamber and discharges combustion gases through a vent exhaust.

Science News Letter, June 8, 1946

⊗ **PLASTIC GLOBE**, weighing only 70 pounds although 52 inches in diameter, aids air pilots and stewardesses to



study world routes, as shown in the picture. It is made of five layers of fabric, each impregnated with a solution of cellulose acetate and a protective coat of the same plastic covers the map.

Science News Letter, June 8, 1946

⊗ **RUBBER RINGS**, with central slots running around their outer faces, fit snugly into the curved ends of wire coat hangers and keep garments from slipping. The walls of the ring enclose a chamber within which an insecticide may be placed.

Science News Letter, June 8, 1946

⊗ **RADIO-TELEFAX**, a new type of telegraph communication, sends by radio a picture, or facsimile reproduction, of a message written on a telegraph blank

and wrapped around the cylinder of the transmitter. Pilot boats outside New York Harbor are using the system to report incoming ships.

Science News Letter, June 8, 1946

⊗ **FILM RECORDER** of sound, an improved instrument, can be used as a public address system, and a speech can be broadcast at the same time. One hundred sound tracks can be indented across the width of the film; a dial shows the number of the track on which a recording or play-back is located.

Science News Letter, June 8, 1946

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Question Box

ACOUSTICS

What new instrument imitates any musical sound? p. 361.

ASTRONOMY

What company is giving a giant telescope to the Harvard Observatory? p. 366.

BOTANY-CHEMISTRY

Why should 2,4-D not be used on flowers in the yard? p. 363.

GENETICS

Who was the man who first discovered the principles of heredity? p. 366.

GEOPHYSICS

What is the location of the hidden archipelago recently discovered? p. 358.

MEDICINE

What is the method of obtaining a direct record of the human heart action? p. 361.

Where published sources are used they are cited.

What is the new theory about smoking for diabetics? p. 359.

PSYCHIATRY

How do doctors feel about the old theory that mental diseases are all hereditary? p. 365.

What is now considered the best place to treat children suffering from schizophrenia? p. 356.

What is the drug which is being used to improve the behavior of problem children? p. 355.

RADIO

What is the radio navigation system which may be used to guide pilotless aircraft? p. 357.

SOCIOLOGY

What area constituted the known world to the Greeks? p. 356.

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