

# •New Machines And Gadgets•

⚙️ **AIRCRAFT** radio receiver is so compact that it can be mounted in a standard three-inch instrument opening in the plane's instrument panel. Cylindrical in shape and about six inches long, it is designed for use in private aircraft. By a flip of a switch it can be changed instantly from radio range to traffic control frequencies.

Science News Letter, August 24, 1946

⚙️ **CLOTHESLINE** tightener consists of an S-shaped aluminum hook and a cadmium plated steel clevis, or link, that operates over the notched end of the hook. The free end of the line runs through the clevis. When the line is pulled tight, then released, the clevis grips it.

Science News Letter, August 24, 1946

⚙️ **COMBINATION** try square and handsaw uses the back of the saw blade for a straightedge and an attachable slotted metal piece to form the heavy leg of the square. This slotted piece straddles the saw blade close to the handle and is held in place by a set screw and an arm projecting rearward.

Science News Letter, August 24, 1946

⚙️ **TANGLE-PROOF** lifeline keeps Junior out of trouble, makes life easier for mother. Lightweight nylon cord is wound around an automatic take-up reel which can be anchored in the ground or attached to furniture. The strong cord can be adjusted to any desired length.

Science News Letter, August 24, 1946



⚙️ **SKY CRADLE** provides a seat and bed for baby airline passenger. Suspended by webbing on a tubular metal frame, the bassinet has a quilted plastic lining and wide belt fastened by a zipper across the child. Special waterproof lining for exclusive use is provided.

Science News Letter, August 24, 1946

⚙️ **STAR CHART** and star measuring tape enable amateur astronomers to locate the 55 navigational stars. A rotating arm on the chart gives the direction and distance of a star sought; then the tape, held at arm's length with one end fixed on the North Star, makes easy the location of the star in the heavens.

Science News Letter, August 24, 1946

⚙️ **NEW-TYPE** coating for concrete, masonry and metal structures can be effectively applied on damp surfaces. The black protective film is waterproof, fire-retardant, will not flow or sag at temperatures up to 600 degrees Fahrenheit, and does not wrinkle in sunlight.

Science News Letter, August 24, 1946

⚙️ **HOME DUST** precipitator, which removes also pollen and smoke from air, cuts cleaning costs and relieves hayfever suffering. The motor, that charges the particles of dust and collects them on negatively charged cell plates, is contained in a metal radio-size cabinet.

Science News Letter, August 24, 1946

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## Question Box

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Why may test pilots soon lose their jobs? p. 117.

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What are the provisions of the new Agricultural Research Act? p. 118.

What type of furnace is being installed to streamline the curing of tobacco? p. 121.

### ASTRONOMY

What comet is expected to return to the vicinity of the earth sometime during this summer? p. 120.

### CHEMISTRY

Who was the chief chemist who developed NMRI 448 for repelling and killing insects? p. 122.

### ELECTRONICS

What metal added to zinc sulfide makes infra-red rays visible? p. 118.

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### NUTRITION

What are the high points in the FAO's world food plans? p. 117.

### ORDNANCE

In what way are German V-2 rockets proving useful to American science? p. 115.

### ORNITHOLOGY

What was the chief enemy of the passenger pigeon, causing its extinction? p. 126.

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Why do scientists believe the "Gazelle boy" story is only a myth? p. 120.

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Why is the proton the most promising atomic unit for learning about the nucleus of the atom? p. 123.

### ZOOLOGY

What Japanese industry wiped out by the war has created a serious food shortage? p. 119.

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