

# • New Machines And Gadgets •

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N St., Washington 6, D. C. and ask for Gadget Bulletin 378. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

☼ **TYPEWRITER LAMP**, recently patented, is a tubular fluorescent light held over the machine on an adjustable stand, the tube being about the length of the typewriter platen. The lamp can light up the typing, show through a stencil, and illuminate the page being copied.

Science News Letter, August 2, 1947

☼ **DOLLIES**, or roller devices for moving heavy boxes in factories or shops, consist of sturdy metal frames four inches high, each equipped with two steel rollers. Short pins on frame tops keep boxes from slipping. An adjustable rod to hold two dollies a fixed distance apart is available.

Science News Letter, August 2, 1947

☼ **BOOKBINDING adhesive** is applied with a brush or mechanically, and dries in ten minutes to make a "tack-free" union that is strong, flexible, stable and lasting. No heating or thinning with water is required.

Science News Letter, August 2, 1947

☼ **HANDY SPRAYER** for household use in controlling insect pests is a rubber bulb with a conical top which screws to the container. The nozzle on the top is set at an angle so that the spray can be directed where wanted. A squeeze of the hand provides the necessary pressure.

Science News Letter, August 2, 1947

☼ **EAR LAMP**, for relief of ear aches and inflammation, concentrates infra-red



or heat rays where needed rather than over a large area, as when hot water bottles or heating pads are used. The picture shows how it is held in position by head-bands.

Science News Letter, August 2, 1947

☼ **DISPLAY CASE** for vegetables and fruit circulates moisture-laden air that keeps the contents crisp and fresh without soaking. An automatic foot-control spray shut-off protects customers while they are selecting produce.

Science News Letter, August 2, 1947

☼ **BEDS** and bed springs of aluminum are easily shifted about because of the light weight. Only the frame of the bed springs is made of this metal, but total weight is kept down to 38 pounds by replacing the ordinary spring coils with spring wire bent in a series of S-shaped loops.

Science News Letter, August 2, 1947

☼ **DIVING EQUIPMENT**, reported from France, consists of a rubber covering for eyes and nose, and breathing facilities. Air, under 440 pounds pressure, is carried in flasks on the back and delivered to the mouth by tubes. Breath is exhaled through valves into the water. User can remain under water for 90 minutes.

Science News Letter, August 2, 1947

**You are invited to accept one of the few memberships still vacant in**

*Things* of science

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Enter my membership to THINGS of science for 12 exciting blue boxes of specimens. My \$4 check for one year is enclosed. Start with the vegetable dye unit of four famous materials and 22 experiments (now ready).

Just initial here

OK—

## Question Box

### AERONAUTICS

What is being done to promote water flying? p. 66.

### AGRICULTURE

In what way is 2,4-D an enemy? p. 69.

### ANTHROPOLOGY

Did Panchito probably have a good brain? p. 68.

### ASTRONOMY

How has photoelectric photometry been improved? p. 71.

### EDUCATION

What is rate at which the average child adds to his vocabulary? p. 70.

### ELECTRICITY

What is your chance of death by lightning? p. 71.

**Pictures:** Cover, Philadelphia Zoological Society; Monsanto Chemical Co., p. 67; Tennessee Eastman Corp., p. 69; Ryan Aeronautical Co., p. 70; Westinghouse, p. 71; National Foundation for Infantile Paralysis, p. 74.

Where published sources are used they are cited.

### ENGINEERING

For what is an after burner used? p. 70.

### MEDICINE

What are the early symptoms of polio? p. 66.

What new treatments are in use against polio? p. 74.

What possible cancer weapon can scientists find in the sea? p. 68.

### OCEANOGRAPHY

Where is the world's roughest stretch? p. 72.

### OPTICS

Why were ultraviolet searchlights not used during the war? p. 67.