

# • New Machines and Gadgets •

For addresses where you can get 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 489. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **ELECTRIC LUNCH BOX**, plugged in to a factory or office electric outlet, provides both a steaming hot lunch and cold dessert. Besides two containers for food, it has a bottle for hot beverages. It is available also with voltage units for use in automobiles, trucks, boats and trains.

Science News Letter, October 29, 1949

⚙️ **OIL CAN**, recently patented, is made of rubber and pressure on its sides forces the lubricant out the spout. The spout is flexible and can be bent to reach into restricted areas. A valve in the spout keeps out foreign matter when the can is idle.

Science News Letter, October 29, 1949

⚙️ **SOAP DISPENSER** and alcohol dispenser, for use in hospitals and other places where hands must be clean and aseptic, operate automatically by an "electric eye." When a hand cuts a beam of light shining on a photoelectric cell, a squirt of the contents of the dispenser is discharged.

Science News Letter, October 29, 1949

⚙️ **PHOTOGRAPHIC ENLARGER** for use by professionals or amateurs, shown in



the picture, is a relatively efficient, economical type that uses a hollow sphere with a lamp burning inside. The white paint inside the sphere reflects and re-reflects the rays until the light is completely integrated, or evenly distributed.

Science News Letter, October 29, 1949

⚙️ **EGG COATING APPARATUS**, for applying a coat of wax to dirty eggs in an egg-processing plant before the shells are broken, is an inclined plane down which the eggs roll while passing through a spray. The coating applied by this recently patented device prevents contamination in the egg-opening process.

Science News Letter, October 29, 1949

⚙️ **INSULATING SPACERS**, for use in high frequency electrical applications requiring top performance, are made of the plastic polytetrafluoroethylene and are fashioned in the various forms required. Their loss factor, dielectric constant and dielectric strength do not vary with temperature change below 400 degrees Fahrenheit.

Science News Letter, October 29, 1949

⚙️ **IRRIGATION HOSE**, to carry water to farm crops, is made of glass fiber coated with resin, and comes in 100-foot lengths from four to 16 inches in diameter. Each 100-foot length of the 10-inch size weighs 45 pounds. Each section of this flexible main line hose is equipped with a tee for the attachment of a distribution hose.

Science News Letter, October 29, 1949

## Do You Know?

White light penetrates fog just as well as colored light.

Among the Oriental tobacco-raising countries, Turkey ranks first.

*Sesame* is one of the most promising of the new oilseed crops for America.

Well-managed forests on *watersheds* can conserve water supplies, help reduce floods, and regulate stream flow.

The great number of *roots* in a nearby river gave the city of Racine, Wisc., its name; racine means root in French.

Wisconsin has a right to the title "*Land of Lakes*;" within its boundaries are 8,289 lakes, 3,747 of which have an area of over 10 acres.

*Turkey*, with about 19,000,000 people and area of some 190,000,000 acres of which 73% is cultivable, has great agricultural possibilities; only 20% of its cultivable land is now in field or tree crops.

A MEMBERSHIP IS NOW OPEN TO YOU

## Things of science

ONCE A MONTH for a year we will pack a blue box with scientific fun, with mental stimulation, with hours of absorption, with future hobbies, with knowledge; but specifically we will pack the boxes with THINGS of science—real objects of science to be handled and looked at and owned by you. And with them, sheets of suggested experiments and complete explanations of them. There are now more than ten thousand members of the group of friends of science who receive one of these exciting boxes each month. This unusual service comes one year postpaid for \$4.00. Use this coupon to send in your membership NOW and we will include, free, a Gift Unit as our thanks for your prompt acceptance.

SNL PRIORITY ORDER

T-10-29-9

SCIENCE SERVICE  
1719 N Street N. W. • Washington 6, D. C.

Clip and enclose this address imprint whenever you write us to renew your SCIENCE NEWS LETTER subscription, change address, order other materials, etc. It identifies you as one of the SNL family. Lower line date is expiration. Allow three weeks for address change.