

• 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., N. W., Washington 6, D. C. and ask for Gadget Bulletin 382. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **ELECTRONIC** control maintains the temperature of electrically heated ovens within 0.1 degree Fahrenheit. It consists of an electronic adjustment of the input power of the oven, and works on a continuous flow of power rather than in "on-off" cycles.

Science News Letter, October 4, 1947

⚙️ **ELECTRIC** foot-warmer for use in bed is designed to give an even warmth of 105 degrees to the foot of the bed during the night. Its 36-by-17-inch cover is of sanforized cotton with a rough finish so that it will always stay in place between the top sheet and first blanket.

Science News Letter, October 4, 1947

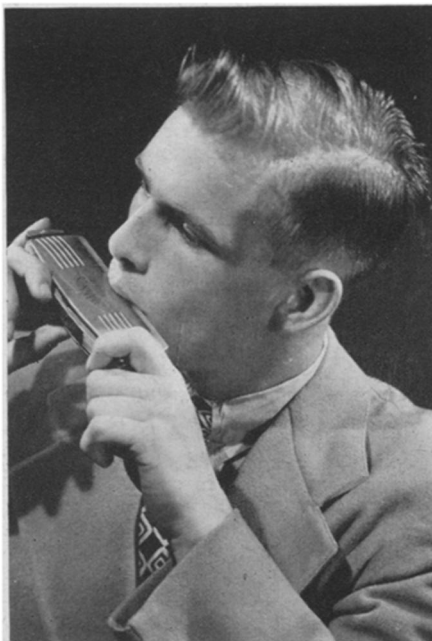
⚙️ **SAILBOATS** for racing and pleasure, made of fiberglas-reinforced plastic, are eight and one-third feet long and carry a 15-foot mast with a 45-square-foot sail. The hull is made of cotton duck laid on both sides of a fiberglas mat, all bonded with a resin by heat-treatment.

Science News Letter, October 4, 1947

⚙️ **GASKET CEMENT**, for automotive, airmotive and wide industrial uses, provides permanent sealing, flexibility and ease of eventual dismantling. It is a synthetic, flexible, deoxidized rubber cement that does not blow out under high pressure and does resist vibration and shock.

Science News Letter, October 4, 1947

⚙️ **HARMONICA**, made of injection-molded plastic, has only 14 pieces instead



of some 150 pieces in the ordinary wood and metal instrument. The reeds of the instrument are molded in two pieces of 20 reeds each, all in correct pitch. The lever, shown in the picture, shifts from the diatonic to the chromatic scale.

Science News Letter, October 4, 1947

⚙️ **VHF TRANSMITTER** unit, for a lightplane radio, is claimed by the manufacturer to provide private planes with the advantages of very high frequency (VHF) transmission.

Science News Letter, October 4, 1947

⚙️ **WASTE HEAT BOILER**, that uses for heating the exhaust gases from a turbo-charged diesel engine, or may be operated by the household type oil burner, generates 500 pounds of steam per hour on the diesel exhaust and even more with the oil burner. It is housed in a steel cabinet a little over 6 by 7 by 3 feet in size.

Science News Letter, October 4, 1947

⚙️ **BIBETTE** for baby, recently patented, is made of flexible paper with a cut-out to fit the neck. This cut-out is severed only on the two sides, and is then creased downward to give a double covering over much of the baby's chest.

Science News Letter, October 4, 1947

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

Things of science

Membership is strictly limited to 10,000 and will be for at least the next nine months. This is America's most unique "club."

Each month you will receive a blue package of actual scientific specimens—experiment with them, handle them, smell them, even sometimes taste them. Clip this address label and mail with \$4 check today for year's membership.

TO SCIENCE SERVICE
1719 N St., N. W.
Washington 6, D. C.

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 housing materials unit of six museum-quality specimens (now ready).

Just initial here

OK_____

Question Box

AERONAUTICS

How many jets do the new bombers have? p. 213.

ELECTRONICS

What new instrument will make available an artificial source of cosmic rays? p. 211.

GENERAL SCIENCE

How can scientists help in the fight against the economic crisis? p. 220.

What do science clubs do? p. 218.

Photographs: Cover, Glenn L. Martin Co.; p. 211, Stanford University; p. 213, Boeing Aircraft Co.

Where published sources are used they are cited.

What is the Science Talent Search? p. 214.

MEDICINE

How does pectin, the jelly-stiffener, aid patients with such diseases as tuberculosis and diabetes? p. 210.

How many people have diabetes? p. 215.

What do scientists hope to learn from the blood of Oriental children? p. 212.

METEOROLOGY-SEISMOLOGY

What is the microseism method? p. 211.