

• New Machines and Gadgets •

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⚙️ **EXTENSION RULE** has a unique brass slide that is graduated in 16ths for inside measurements. This six-foot rule has square ends and opens to even numbers only.

Science News Letter, December 25, 1954

⚙️ **SYNTHETIC TARPULIN** is a combination of two man-made materials, nylon and neoprene synthetic rubber. The material is described as non-shrinkable, completely waterproof, mildew resistant in storage, and one-half the weight of #8 duck tarpaulin.

Science News Letter, December 25, 1954

⚙️ **ADDING MACHINE** imported from Sweden combines all the features of a standard ten-key adding machine with a new automatic multiplier, as well as an optional stepover feature. The machine is on rubber rollers that permit it to be rolled out of the way when not in use.

Science News Letter, December 25, 1954

⚙️ **RADIATION-CONTAMINATION DETECTOR** is an inexpensive and simple device for determining in a matter of seconds if food and water supplies have been contaminated following an atomic blast. The device consists of a uranium-mixture comparison standard that emits a known quantity of beta-gamma radiation. It is expected to find its widest use by hospitals, water companies and civil defense units.

Science News Letter, December 25, 1954



⚙️ **BUBBLE LAMP**, which is made of plastic and is inflatable, comes in a complete put-it-together-yourself kit. When assembled, this new lamp hangs in mid-air, as shown in the photograph. It can be lowered or raised to any desired height simply by pulling on the lamp's own cord. The shade blows up to 20 inches in diameter and 10 inches deep.

Science News Letter, December 25, 1954

⚙️ **BOWLING SET** that Junior can blow up and use in the parlor without damaging the walls or furniture is made of plastic. The brightly colored ball and ten-pins are light and flexible. A miss or strike on the living room alley is harmless.

Science News Letter, December 25, 1954

⚙️ **PRESSURE-SENSITIVE ADHESIVE**, when applied to paper, leather, metal, plastic or other surfaces, makes the coated material self-adherent. Tapes, labels, signs and decorative fabrics can be made self-sticking simply by applying the transparent-drying adhesive with brush or machine.

Science News Letter, December 25, 1954

⚙️ **AUTOMOTIVE AIR** conditioner for summertime motoring comfort is set in an under-dash housing. Automatically holding in-car temperatures in the 70-degree range, this air conditioner provides up to 365 cubic feet of refrigerated air per minute at high or low speeds, in 100-degree-plus weather.

Science News Letter, December 25, 1954

Do You Know?

Baby kangaroos are only about an inch long at birth.

Nine out of 10 children with cross-eyes can be cured without surgery if they get the proper care at the right time.

The water temperature drops 10 to 20 degrees when passing from the water heater to the electric clothes washer.

At Chicago, the range between high and low tide in Lake Michigan is less than two inches.

It takes 42 gallons of water to produce a pound of rubber, and 1,000 gallons to make a pound of rayon.

Certain wasps, which make paper-like substances for their nests, are considered the first paper manufacturers.

Anthrax can attack any warm blooded animal; but humans, canines and swine have the highest resistance to the disease, and cattle, horses and sheep are the most susceptible.

The nutria, a South American furbearer and an aquatic mammal, has mammary glands on its sides instead of its stomach so it can nurse its young while partially submerged in the water.



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