

• New Machines and Gadgets •

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⚙️ **TITANIUM LOCKNUTS** now are available in sizes ranging from 5/16 to 5/8 of an inch. They are designed to replace steel nuts in aircraft production where lightness and resistance to corrosion of chemicals, sea water and air are desirable.

Science News Letter, January 23, 1954

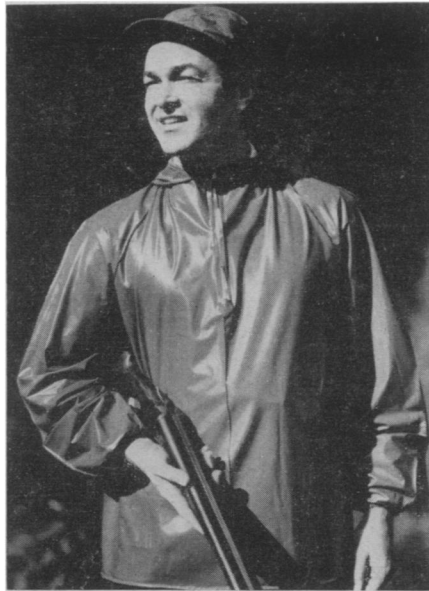
⚙️ **FRENCH-FRY ACCESSORY** for gas ranges permits the housewife to use the deep cooker to hold hot grease for frying potatoes, shrimp and doughnuts. The aluminum food-holding basket has a long handle and is easy to clean.

Science News Letter, January 23, 1954

⚙️ **GARBAGE-CAN SPRAY** kills nasty odors that attract insects and the mischievous noses of dogs. Sprayed on the garbage container from its own push-button can, the deodorizer also contains a detergent that cuts down the amount of food sticking to the can.

Science News Letter, January 23, 1954

⚙️ **HUNTING-FISHING JACKET**, made of a rugged plastic, protects the sportsman from year-around weather. The reversible jacket, shown in the photograph, is safety-red on one side and green on the other. Its seams are electronically welded. Its



parka hood keeps rain, snow and sleet from the user's head and neck, and its nine-inch plastic slide fastener at the throat permits easy donning and doffing of the garment.

Science News Letter, January 23, 1954

⚙️ **"NO-RATTLE" PAPER** for radio and television broadcasters and persons who are called upon for speech-making, actually is a chemical filter paper. It takes typing, pencil and the "ink" of ball-point pens.

Science News Letter, January 23, 1954

⚙️ **RADICAL STORAGE** battery, using nickel-cadmium cells in an alkaline solution, now is available commercially after four years of secret military production. The battery is invulnerable to shock and vibration, works in temperatures ranging from minus 65 degrees Fahrenheit to 165 degrees, and resists overcharging, reverse charging and short circuiting. It is said to outlast an automobile.

Science News Letter, January 23, 1954

⚙️ **INDUSTRIAL PLASTIC** trays, stronger than steel on a strength-weight basis, take freezing, heating- to baking-temperatures and rough handling. The trays, useful to bakeries and chemical and drug industries, are made from glass fiber impregnated with a polyester resin.

Science News Letter, January 23, 1954

⚙️ **NEW DUAL TV** set has a revolutionary feature which permits two programs to be flashed on its screen at once. Members of the audience wear polarized glasses which are "tuned" to one program or the other. Personalized ear pieces bring the proper sound to the viewer's ears. Particularly good in hospitals, and in homes where Junior demands a shoot-'em-up cowboy picture when parents switch on the news.

Science News Letter, January 23, 1954

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1-23-4

Do You Know?

At 20 degrees Fahrenheit, the energy available from an auto battery is only about 80% of what is available at 40 degrees.

Some hobbyists sculpture dried apples, coating the finished figures with shellac to preserve them.

The U. S. spent about \$85,000 a minute for national defense during 1953.

The albatross has the largest wingspread of any bird in proportion to body size; the record is 11 feet, four inches.

A colony of bees may contain 60,000 or more workers that visit 300,000 flowers a day.

From four to six times more hot water is needed in today's well-equipped home than was needed 20 years ago.