

• New Ideas and Gadgets •

Ask for Gadget Bulletin 1353 for source information. Send self-addressed, stamped envelope to SCIENCE NEWS, 1719 N St., N.W., Washington, D.C. 20036. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

⚙️ **THREAD SEALANT** is a Teflon spray tape packaged in an aerosol can. Pressure on the top button releases a thin stream of the nonflammable sealant which can be used with any size pipe thread on any type of metal on both flat and round surfaces. Once applied, the chemically inert material seals the metal from corrosive environments. It covers a temperature range of minus 400 degrees F. to plus 600 degrees F.

• Science News, 89:406 May 21, 1966

⚙️ **T-SQUARE AID** converts any T-square into a more flexible drafting instrument. The aluminum unit, which attaches to the hole in the end of a T-square, keeps the head of the T-square firmly against the edge of the drawing board while allowing it to move up and down. Tension can be adjusted to suit the need. The device is also convenient for keeping pencils handy and out of the way.

• Science News, 89:406 May 21, 1966

⚙️ **VERSATILE BOOK STAND** can be assembled quickly and easily without bolt, screw or nail. The unit, consisting of eight pieces that slide into place in interlocking grooves, holds 82 books. Useful in living room, studio, den or office, the walnut-finished book stand has three shelves and is 3x11½x36 inches in size. Instructions for assembly are included.

• Science News, 89:406 May 21, 1966



⚙️ **ROLLING RUG BRUSH**, shown in the photograph, makes a housewife's job of dry cleaning carpets easier. The lightweight long-handled brush is pushed gently back and forth across the carpet pile to work the dry cleaning powder, sprinkled on the rug, into the fibers, eliminating stooping and rubbing in by hand. The height of the time-saving brush can be adjusted to individual carpet pile by a control located on the front of the cleaner.

• Science News, 89:406 May 21, 1966

⚙️ **SPRAY SUIT** helps protect growers and farm workers from pesticide splash and spray. Made of percale, the suits are thoroughly saturated on both sides with a chemically inert and fire retardant plastic compound. The suit which is styled to provide fullest coverage is flexible to around 10 degrees F. It is of two-piece construction—overall with bib front and coat with pullover hood.

• Science News, 89:406 May 21, 1966

⚙️ **COLLAPSIBLE INSECT NET** folds quickly and easily to a size that permits carrying in a coat pocket or brief case. Designed with a five-inch aluminum handle in which a 5/8-inch wooden dowel of desired length can be inserted, the net is suitable for catching insects close in or at a distance. The net ring made of spring steel, flicks out quickly from its closed 4-inch size to a 12-inch diameter Dacron net.

• Science News, 89:406 May 21, 1966

⚙️ **WANDER WAND** tethers a dog but leaves it free to play. The sturdily-built device that revolves in a full circle consists of a spring arm to which a chain is attached. The device which keeps the dog safely and securely in the yard is also useful for training puppies. Made of hardwood and pine it comes in two sizes; one with a two and one-half foot arm and the other with a three-foot arm.

• Science News, 89:406 May 21, 1966

• Doctors Are Reading •

Kidney Patients Given Baths

➤ **DAILY TREATMENT** in the 167-degree F. dry heat of the sauna bath is helping chronic kidney disease patients in Boston's Peter Bent Brigham Hospital.

Drs. Donald Snyder and John P. Merrill have been conducting a pilot study with eight patients also on hemodialysis. With the aid of two sauna baths daily, except for the day on which artificial kidney dialysis takes place, patients have been able to sweat off much of the fluid and some of the metabolic wastes that pile up because of kidney malfunctioning.

Four of the eight have been able to increase their fluid intake because of the sauna therapy, said a report in *Medical World News*, 7:28, 1966.

• Science News, 89:406 May 21, 1966

Wheezing Sign of Pulmonary Embolism

➤ **ALL THAT WHEEZES** is not asthma. Sometimes wheezing can be a symptom of pulmonary embolism, a blood clot in the artery leading from the heart to the lungs. Three wheezing patients who survived after treatment with the anticoagulant heparin have been reported in Chicago.

Audible wheezing has rarely been reported as a symptom, a group of Chicago physicians said in the *New England Journal of Medicine*, 247:931, 1966.

The patients were treated at Chicago Wesley Memorial

Hospital by Drs. J. R. Webster Jr., P. R. Eggum and J. R. Suker, who also are on the staff of the Northwestern University Medical School, Chicago; and by Dr. G. B. Saadeh, resident in medicine at the hospital.

• Science News, 89:406 May 21, 1966

Abortion Deaths From Fluid Replacement

➤ **THREE DEATHS** from brain damage following therapeutic abortions by a usually safe method have been reported in London.

Replacement of the amniotic fluid, which surrounds the embryo in the womb, by a sodium chloride solution has been increasingly used in recent years, two English physicians reported in the *British Medical Journal*, April 23, 1966. The method entails withdrawal of the amniotic fluid through the abdominal wall, followed by manual injection of the sodium chloride.

Until further information is available concerning potential danger in the method, the physicians suggest caution in using it. Excessive dehydration of the brain is believed to have occurred because of the strongly hypertonic solution used.

Dr. J. M. Cameron of the department of forensic medicine and the institute of pathology, London Hospital, and Dr. A. D. Dayan, now of the department of pathology, General Hospital, Southampton, reported the cases.

• Science News, 89:406 May 21, 1966