

• New Ideas and Gadgets •

Ask for Gadget Bulletin 1371 for source information. Send self-addressed stamped envelope to SCIENCE NEWS, 1719 N St., N.W., Washington, D.C. 20036.

⊗ **RAZOR KNIFE** for home, school, shop or office, cuts paper, cloth, envelopes, patterns, pages, photos, coupons or tape up to one-eighth of an inch thick quickly and easily. The unit, which uses safety razor blades, is guided with one hand, cutting only the material desired. It will not cut the table or other work surface. Provided with front and bottom guards, it can be safely carried in the pocket.

⊗ **ULTRASONIC CLEANER** for glass, metal, plastics, textiles or ceramics takes one-tenth the time most conventional cleaning methods require. Useful in laboratories and industry, the cleaner can be used with suitable solvent for small parts, instruments and laboratory glassware as well as for complex mechanical assemblies without the necessity of disassembling them. Several models are available.

⊗ **BOAT FENDERS** that are inflatable allow the boat owner to regulate the fender to suit the mooring situation. Available in round or square shapes, the air pressure is supplied from a small hand pump included when the fenders are purchased in sets of two or four depending on the size. The bumpers which are made with passage holes for tying lines, will not mar or scuff the boat's finish.



⊗ **NEW TRANSPARENCY PROCESS**, shown above, makes possible full color transparencies for overhead projection in minutes directly from the printer, using a new desktop laminating machine. Any page printed by letterpress on clay-coated stock, black and white or full color illustration, can be transferred directly onto clear plastic laminating film in a few short steps.

⊗ **ROLLER SKATES** for boys and girls are made with a polyethylene shoe top grip that fits any shoe from size two to nine. The skates which require no clamps, keys or springs allow the skater to do figure skating or dancing on wheels with a hip swivel motion instead of lifting his feet to gain momentum. Suitable for both indoor and outdoor use, the skates are made in black for boys and white for girls.

⊗ **FOLDING CLOTHES STAND** keeps clothes wrinkle-free and neat for campers. Requiring only a few minutes to set up, the stand, 54 inches high and 33 inches long, is suitable also for drying damp clothing inside a tent during wet weather. Made of sturdy, zinc-plated steel tubing, it can serve as a support for clip-on towel racks or pole tables.

⊗ **TIE DOWN** to keep the stern of a boat securely in place on its trailer is a strap made of white nylon webbing. The strap, which comes in two sizes, is equipped with a tension spring at one end that hooks to the trailer and a cam action lock at the other end which hooks on the opposite side. Once adjusted to the boat, the noncorrosive metal buckles of the web do not need to be moved again, making securing the boat simple and quick.

• Doctors Are Reading •

Sexual Pleasure Site Located in Brain

► **THE AREA** in the brain governing sexual pleasure has been located by two Princeton University researchers.

Like that for eating, the "reward site" for copulation is located in the hypothalamus, a tiny area of the brain that has much to do with regulating and coordinating internal activities from heart rate to sleepiness. The hypothalamus also apparently contains pleasure sites for all the primary drives.

Drs. Anthony R. Caggiula and Bartley G. Hoebel of Princeton's department of psychology found they could motivate male rats to mate whenever they electrically stimulated a posterior area of the hypothalamus. That the animals actually desired to mate was indicated by the fact that they overcame obstacles to do it.

The report was published in *Science*, 153:1284, 1966.

Radioactive Elements Higher in Smokers

► **CONCENTRATIONS** of radioactive substances linked to leukemia and bone cancer were found to be twice as heavy in smokers as in nonsmokers, two researchers reported in *Science*, 153:1259, 1966.

Levels of lead 210, as well as of polonium 210, which had previously been found higher in smokers than in nonsmokers, were twice as high in lung tissue and in rib bones taken at autopsy or surgery.

Persons smoking more than 10 cigarettes daily were

classified as smokers in the study, although only one member of the group smoked less than 20. Six nonsmokers were compared with 13 cigarette smokers.

Drs. Richard B. Holtzman and Frank H. Ilcewicz of the radiological physics division, Argonne National Laboratory, Argonne, Ill., reported the findings. They pointed out that very little radioactive lead and polonium are acquired directly from food, water and air, and that "serious consideration should be given to the smoking habits of the populations concerned."

Rare Tonsil Tuberculosis Reported

► **A 30-YEAR-OLD** Kentucky housewife who went to the Canal Zone developed a sore throat that proved to be tuberculosis of the tonsils.

Further examination showed that she had TB of the lungs, believed to have infected the tonsils and throat. Maj. Douglas M. Sanford and Dr. Gary D. Becker of Gorgas Hospital, Acon, Canal Zone, reported the case in *Archives of Otolaryngology*, 84:343, 1966. They said such cases are uncommon but that complete examination should be made when a sore throat does not respond to treatment with antibiotics.

In the early 1900s, five percent to nine percent of patients undergoing routine tonsillectomies had latent TB of the tonsils, but now less than one percent have been affected.