

• New Ideas and Gadgets •

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⚙️ **PORTABLE SHOWER** for both children and adults is useful at the shore or summer cottage to rinse off sand or for backyard play. Made of aluminum, it is provided with a ground spike for quick installation anywhere. The unit, which will extend six feet tall, can be connected to a garden hose. Double-step joints eliminate water leakage.

• Science News Letter, 88:47 July 17, 1965

⚙️ **KEYHOLE SAW** snap locks into any of four cutting positions. Suitable for sawing through metal, plastics, wood or bone, the saw cuts flush and reaches places usually unreachable with regular hacksaws. An extra wood cutting blade, ten teeth to the inch, is included.

• Science News Letter, 88:47 July 17, 1965

⚙️ **PET WATER FOUNTAIN** connects to any faucet and keeps a dog continually supplied with fresh water, automatically refilling as the dog drinks up the water. A small control knob assures that the dish is always refilled to the level desired, higher for large dogs and lower for smaller pets. The fountain, which comes with a six-foot-long, ¼-inch diameter connecting hose, is best suited for use outdoors.

• Science News Letter, 88:47 July 17, 1965

⚙️ **THERMOS BOTTLE HOLDER**, shown in photograph, for cars and trucks,



is mounted under the dashboard with a single clamp. No holes need to be drilled. Useful to travelers with young children or to long-distance truck drivers, the holder will accommodate a thermos bottle of quart size or smaller. A removable cup holder keeps the filled cup upright and secure. Made of lightweight aluminum, the holder is also useful for keeping other items within convenient reach.

• Science News Letter, 88:47 July 17, 1965

⚙️ **ADJUSTABLE WRENCH** for mechanics, homeowners or hobbyists has a narrow head and can get into tight places where other wrenches cannot reach. Particularly useful where side clearance is small, the adjustable wrench grips on four sides, minimizing slip, especially with damaged or worn nuts. Its off-set and upward-tapered handle protects the knuckles from bruises. It is available in 8-, 10- and 12-inch sizes.

• Science News Letter, 88:47 July 17, 1965

⚙️ **ART BEAM LIGHT** brightens a picture or objets d'art in home or office. The light, which concentrates its beam on the item and not on the wall, projects a rectangular or oblong beam. Only five inches high and provided with a silvered reflector bulb, the multi-focusing light can be set on the floor or attached to wall or ceiling. It comes in grey or black, and has an eight-foot cord.

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⚙️ **FOSSIL KIT** for both amateurs and professional rockhounds contains about one and one-half pounds of rock-bearing fossils of the Silurian and Devonian periods. Each rock has several visible fossils such as corals, crinoids, gastropods, graptolites, and other fossils of these periods. A folder to aid in the identification of the fossils is included.

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• Doctors Are Reading •

Americans on Move, Even in Sleep

➤ **NOBODY** really sleeps like a log. "Even in normal sleep there is continual moving about," reported Dr. Joost A. M. Meerloo, associate professor at the New York School of Psychiatry. The average person moves from 35 to 45 times a night, he estimated.

In the Medical Times magazine, July 1965, Dr. Meerloo estimated that about four million Americans are occasional or habitual sleepwalkers, but most of them never wander out of their own bedrooms. There is actually "no sharp division" between sleeping and waking, he said.

"We are all token sleepwalkers. This is not to say that we all get up in the middle of the night and clamber over the rooftops until some instinctive alarm bell brings us safely back to bed. More or less each of us is a sleepwalker because we all go through a subtle transition between the sleeping and waking state," he concluded.

Method Combats Schistosomiasis

New successes in battling one of the world's greatest health problems, schistosomiasis, or blood fluke disease, were reported in Nature 206:1338, 1965. The disease is caused by a small flatworm that infests persons who come in contact with the streams and canals serving as home to the worm's intermediate host, a snail.

A husband and wife team, Drs. S. Y. Li Hsu and H. F. Hsu, and co-worker Prof. J. W. Osborne, all of the State University of Iowa have found a high degree of immunity to the disease in

rhesus monkeys when there is about a six-month time lapse between the time the monkeys were injected with the immunizing agent and when strains of the fluke disease were injected. Harmless or "non-human" strains of the blood fluke are injected in order to build up resistance to the dangerous ones.

Schistosomiasis can kill, but more often it weakens its victims steadily, causing a bloated stomach and intestinal bleeding. The parasite penetrates the human skin and settles in the bloodstream, eventually depositing thousands of eggs in vital human organs.

Treating the Family Is Urgent New Challenge

The demand for family therapy offers psychiatry an urgent new challenge, a Public Health Service scientist reported.

"The logic behind this method is compelling," said Dr. Lyman Wynne, chief of the adult psychiatry branch of the National Institute of Mental Health, Bethesda, Md.

"The patient's problem usually arises in the family, and our research emphasizes that it should be treated there," he said. Yet probably less than 10% of the nation's 17,000 psychiatrists ever use this form of treatment and, so far, only a handful specialize in it.

What the therapist should expect, and how he can cope with some of its problems are outlined by Dr. Wynne in Guidelines for Family Therapy, a chapter in a book, The Third International Symposium on Psychotherapy of Schizophrenia, recently published by S. Karger, A. G. Basel, Switzerland.

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