

# • New Ideas and Gadgets •

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☸ **PEGBOARD TOOL KIT** is heart shaped and comes in decorator colors to harmonize with the kitchen decor. The kit includes hammer, pliers, heavy duty scissors, two fuses, two screwdrivers, thumb tacks, nuts, bolts, nails, tacks and screws of various sizes. Attached to the pegboard with chrome holders, the tools lift off easily for ready use. Screws for mounting the pegboard are included.

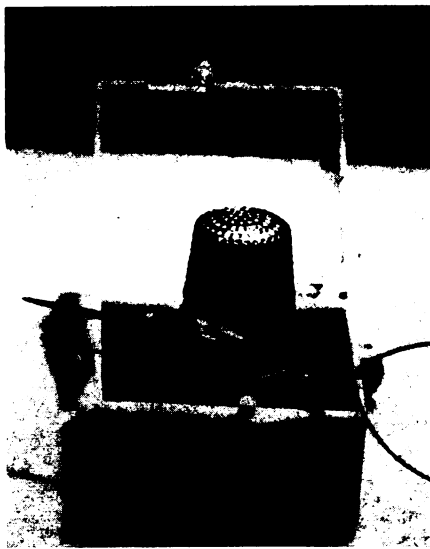
• Science News Letter, 85:95 Feb. 8, 1964

☸ **ASTRONOMY TEACHING AIDS** for elementary and junior and senior high schools are three-dimensional models of the solar system with movable parts. A model of the Copernican solar system has all 10 planetary orbits with the sun at the center. A Ptolemaic model has a six-inch earth globe representing the center of the universe and demonstrates the geocentric system of ancient astronomers. Instruction booklets are included.

• Science News Letter, 85:95 Feb. 8, 1964

☸ **NEW SPOUT OPENER** converts a can into a dripless pitcher as it opens it. The can opener produces a pouring spout at the edge of a can so that juices and other liquids can be poured smoothly and evenly from the can without spilling or dripping. The tool is easy to use.

• Science News Letter, 85:95 Feb. 8, 1964



☸ **NEEDLE GRIPPER**, shown in photograph, will pull a stuck needle through the heaviest fabrics, such as canvas or leather. Attached to a thimble, the needle gripper will hold the needle securely until it is pushed or pulled through the fabric and then release it for continued sewing. The thimble is available in three sizes.

• Science News Letter, 85:95 Feb. 8, 1964

☸ **AUTOMOBILE COMPASS** for the motorist is a precision built instrument that has a new damping device to control the compass movement instead of the heavy liquid, thus eliminating leaks that cause compass failure. Light in weight, the instrument is sensitive and easy to read. The unit can be installed quickly with screws provided.

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☸ **PROTECTIVE CAP LINER** gives protection against snow, sleet and icy winds. The water-repellent liner, worn under any type safety hat or cap, provides a warm comfortable shield for the head, ears and neck. Close-fitting, it has a combination of six slots and three snap fastener web straps. Available in two sizes.

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☸ **HEAT DETECTOR** enables structural designers, electronic packaging engineers and others to detect heat on thin parts accurately to one percent. The device, an adhesive label  $\frac{1}{8}$ -inch in width, contains a heat sensitive compound. When the temperature of the surface to which it is attached reaches the designated temperature, the label turns from white to black irreversibly. Temperatures from 100 degrees Fahrenheit and up can be set into the label.

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# • Doctors Are Reading •

## Deep Breathing Can Cause Disease Symptoms

► **DEEP BREATHING** can be overdone.

U.S. Army Capt. Morton E. Tavel, Frankfurt, Germany, reported in the *Journal of the American Medical Association*, 187:301, 1964, that overbreathing can produce some of the same symptoms caused by serious disease.

If deep inhalations are repeated often enough they can cause a symptom "complex" that can be confused with heart disease or brain circulation insufficiency.

Hyperventilation is a condition that occurs when cardiopulmonary disease is present, when there is damage to the respiratory center, or when anxiety and tension—conditions found in deep breathers—are present.

Other symptoms of overbreathing are giddiness and labored breathing, along with sensations of numbness, tingling, weakness, pain and muscle spasm.

Confusion arises when these sensations affect only one side of the body, Capt. Tavel explains. As in heart disease the symptoms sometimes localize predominantly in the upper extremity with pain in both the arm and chest. Deep breathing decreases the carbon dioxide in the blood, upsetting its acid-alkaline ratio.

In a study of 90 patients, Capt. Tavel found that 14, or 16%, had symptoms primarily affecting one side of the body. Of the 14, 12 had symptoms on the side opposite the dominant side.

## Live Measles Vaccine Lasts

Two years after injection of the live measles-virus vaccine of Dr. John F. Enders, Harvard University and the Children's Medi-

cal Center, Boston, solid immunity against natural measles has been proved.

Reporting in the *New England Journal of Medicine*, 270:172, 1964, Drs. R. E. Weibel, J. Stokes Jr. and R. Halenda of the University of Pennsylvania, Philadelphia, and Drs. E. B. Buynak and M. R. Hilleman of the Merck Institute, West Point, Pa., said they believe live vaccine-induced immunity will be lasting.

Cases studied included children injected with accompanying gamma globulin, but the researchers said either with or without the human immune globulin, children would be safe against measles. Solid immunity was afforded against natural measles in two epidemics as well as in other circumstances.

## Kidney Stone Third Largest

Successful removal of a kidney stone weighing 2 pound 9.5 ounces, from a 71-year-old man was reported in *JAMA*, 187:303, 1964. This stone may be the third or fourth largest to be reported in medical history, Dr. Harry M. Burros, Lt. Col. William H. Cooner and Dr. Carlos Pena, all of Philadelphia, said. The largest recorded stone reported in 1953, weighed 13 pounds, 14 ounces, the researchers said.

## TV Medicitis Is New Disease

"TV medicitis" is the coined name of a new disease going around, Dr. A. M. Aibinder of New York said in *JAMA*, 187:307, 1964. Viewers watching medical dramas identify themselves with the actors and tell their doctors they have the same disease.

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