

• New Ideas and Gadgets •

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⚙️ **WEDGE-SHAPED ROLLER** paints corners and edges easily and neatly without touching the other walls. A time-saver, it reduces the amount of slow, tedious work required with a paint brush. Made of foam plastic, it applies as little as an inch of paint and is especially useful when adjacent walls are in different colors.

• Science News Letter, 86:335 November 21, 1964

⚙️ **PORTABLE RADIO PHONOGRAPH** useful for trips, hikes, picnics and outdoor parties is fully transistorized. Light and compact, it has seven transistors and operates on flashlight batteries. The phonograph plays 33 and 45 rpm records, weighs only a little more than three pounds and is 9x10x3 inches in size.

• Science News Letter, 86:335 November 21, 1964

⚙️ **EMERGENCY FLASHER AND TESTER** creates an illuminated safety zone all around the car during road emergencies by converting front and rear directional signals into blinking safety lights at the turn of a knob. A compact safety device that attaches to the instrument panel of an automobile, it is also useful for testing brake and directional lights. Installation instructions are included.

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⚙️ **ELECTRIC KNIFE**, shown in photograph, carves meat, slices fruit and cheese



and shreds vegetables without effort. Weighing only 23 ounces and provided with a comfortable handle, it is easy to use. A wall rack that doubles as a stand for the table is included with the unit. For safety, the knife is designed with a finger guard and also an operating switch that, when released, automatically stops the knife.

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⚙️ **STICK-ON LITTER BAGS** for bedside use in hospitals, nursing and convalescent homes have a patch of pressure-sensitive tape that will hold the bag securely to any surface. The litter bags, available in green fire-retardant kraft paper and waterproof white opaque plastic, may be sealed when discarding by folding over the top.

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⚙️ **WIDE-ANGLE DOOR VIEWER** helps protect the home from intruders. The one-way viewer with a wide-angle vision permits the occupant to observe a caller before answering the door. Made of solid brass, the viewer will fit in a 1/2-inch hole made in any door having a thickness of not more than two inches. The device can be easily installed by do-it-yourselfers. Models to fit doors up to 2 3/4 inches thick are also available.

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⚙️ **TAPE PLAYER FOR CARS**, easily installed under the instrument panel, allows the motorist to listen to music or subjects of his own choice without interruption while driving. The player, useful for short or long trips, accepts a two-track magnetic tape and can be readily loaded or unloaded. Tapes in one-half-hour and one-hour lengths are available in various categories, including classical and popular music and children's stories.

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• Doctors Are Reading •

Commuter Students Show Greater Mental Problems

► **COLLEGE STUDENTS** who attend "commuter schools" appear to have more mental difficulties than students who attend residential schools, a researcher reported.

Dr. John E. Kysar, psychiatric consultant at the Chicago undergraduate division of the University of Illinois, said he found commuter students to have greater feelings of inadequacy, isolatedness and indecision than residential students. Also, more commuter school students are likely to come from broken homes and lower socioeconomic groups, where a greater number of mental problems are generally observed, he indicated.

Dr. Kysar reported his findings in the Archives of General Psychiatry, Nov. 1964.

School Phobia, Breakdown in Family Linked

Examination of an eight-year-old boy who was afraid of going to school has led a researcher to believe that the school-phobia is a public expression of breakdown in the family balance.

Dr. Alfred A. Messer, Emory University, Atlanta, Ga., reported the case history in the Archives of General Psychiatry, 11:548, 1964.

Public Needs Training to Aid Heart Victims

A plea to expand training for the layman in closed heart chest massage and artificial respiration was presented in the Journal of the American Medical Association, Nov. 9, 1964.

Noting that over 500,000 persons die each year from heart

disease, the team said that many of the victims could be saved if revival methods were used at the scene when heart and breathing activity ceased.

Drs. Robert J. Wilder, James R. Jude, William B. Kouwenhoven, and Mr. Martin C. McMahon, all of Johns Hopkins University, Baltimore, Md., expressed their views as part of a study based on 153 persons given such revival treatments.

Explanation Needed for Nap Dreams

Persons who claim to have dreams at the onset of daytime naps are not in that phase of sleep usually associated with dreaming, a study indicates.

In an examination of 28 persons who took naps, only one showed brain wave activity that corresponded to the period of sleep associated with dreaming at the beginning of a nap. Therefore, researchers believe that such dreams must be explained on some other basis.

Dr. Allan Rechtschaffen, Dr. Edward A. Wolpert, and Louise Maron, all of Chicago, reported the study in the Archives of General Psychiatry, 11:503, 1964.

Corrective 'Shades' Impractical

Putting corrective lenses in wrap-around sunglasses is impractical because of the induced astigmatism in such large, highly curved glasses, reported Dr. John A. Dyer, Rochester, Minn., in JAMA, 190:480, 1964.

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