

• New Ideas and Gadgets •

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• **MINIATURE ORANGE TREES** grow miniature Calamondin oranges in the home. Dwarf-sized, the tree bears fragrant orange blossoms or fruit during nine to ten months of the year right in the living room. The fruit is edible and can be made into jams or preserves.

• Science News Letter, 83:410 June 29, 1963

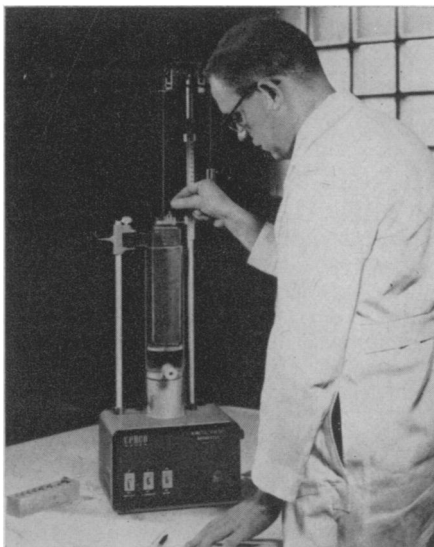
• **MULTIPLE SPEED SABRE SAW** has three blade speeds from 1,000 to 2,700 strokes per minute. Capable of cutting both ferrous and non-ferrous metals, wood and plastics, the saw can be used with a greater variety of materials than any other jig or portable saw available. Lightweight, it develops one-quarter horsepower with a one-inch stroke.

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• **STAINLESS STEEL CONTAINERS** for industrial fluids can be pressurized up to 300 psi. Useful for testing or mixing a wide range of industrial gases and fluids under pressure, including acids and other corrosive compounds, they are closed with a bayonet lock, thus eliminating difficult to clean screw threads. Containers are available in 20, 28 and 34-ounce sizes.

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• **KINETIC THEORY APPARATUS** for science classes, shown in photograph, helps demonstrate fundamental principles



of gas mechanics. Quantitative as well as qualitative experiments illustrating Boyle's Law, Van der Waal's Corrections and Avogadro's Law can be performed with one-eighth-inch diameter plastic balls representing molecules. The unit includes an illustrated manual of instructions and experiments.

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• **WORM COOLER** is a blanket designed to keep worms cool for the angler. The worms, if kept comfortable while waiting to be used as bait, stay lively and improve the fisherman's chances of success. The 12 by 18-inch blanket made of one-fourth-inch thick cellulose sponge, is simply soaked in water and draped over the worm container, protecting them from the heat.

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• **POLISHING AND SANDING KIT** converts any motor or bench grinder into a sanding, polishing, grinding or burring machine. The kit includes a rubber contact wheel, backstand idler pulley, belt tensioner and tracking assembly, and motor adapter, all easily installed on the grinder. Abrasive belts from usual supply houses are used.

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• **SMALL INFLATABLE BOATS** for summer pleasure, hunting or fishing are deflatable and can be carried under one arm. The boats are made of heavy-gauge durable nylon coated with synthetic rubber and do not damage or capsize easily. Available in several sizes, the largest is a seven-passenger, 12-foot craft weighing less than 50 pounds. Oars and hand bellows for inflating are included.

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• Doctors Are Reading •

See p. 402 or 403 for AMA Meeting Reports

Monkeys Slow Malaria Campaign

➤ **THERE IS MONKEY** business in the worldwide campaign to stamp out malaria, a report in the Journal of the American Medical Association, 184:876, 1963, states.

Monkey malaria has been transmitted to man experimentally, and it is feared that transfer of infection from monkey to man and from man to monkey may occur in nature. This would slow up plans by the World Health Organization to eliminate the disease.

Dr. G. Robert Coatney of the National Institute of Allergy and Infectious Diseases, Bethesda, Md., said that although more than 20 attempts have been made to transmit human infections to rhesus monkeys, so far none has been successful. But he believes "it would be strange" if the transfer does not occur at least occasionally in nature.

"What we may have learned is that monkeys and man are more closely related than some of us wish to admit," he said.

Hair Spray Again

The latest study on whether or not hair spray causes lung disease has uncovered no evidence incriminating women's daily hair-do friend. Studies reported in JAMA, 184:851, 1963, showed that inhaled hair spray particles do not reach the lower respiratory tract of experimental animals.

Human biopsy and autopsy tissue from lungs of persons with a variety of lung disorders who had not been exposed to hair spray

disclosed the presence of granules similar to those formerly believed to be hair spray particles.

A representative of the medical department of a Chicago producer of hair treatment materials, Dr. Robert P. Giovacchini, with Drs. Matthew J. Brunner, Frank E. Dunlap and Joseph C. Calandra, Northwestern University, Chicago (Schools of Medicine and Dentistry), and Dr. John P. Wyatt, Saint Louis University, St. Louis, collaborated on the study.

Spectacles in Sports

If glasses must be worn for sports or physical education, schools should require tempered glass or plastic lenses, Dr. Otto Lippmann of Austin, Tex., said in the question and answers section of the JAMA, 184:909, 1963. The student's physician should also send a report to the school stating whether spectacles or contact lenses must be worn during physical education or team activities.

Liquid Hexachlorophene Helps Skin Infections

Skin infections of undernourished babies in the British American Hospital, Lima, Peru, were controlled better with three percent liquid hexachlorophene-containing detergent than with bar soap containing two percent hexachlorophene, two physicians reported in American Journal of Diseases of Children, 105:462, 1963.

When the liquid preparation was used, it cleared up all skin infections, Drs. George G. Graham and Enrique Morales reported.

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