

• New Ideas and Gadgets •

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⚙️ **INSTANT-BONDING CEMENT** forms a permanent and waterproof bond without pressure or clamps. The cement bonds to wood, rubber, metal, glass, plastics, ceramics, laminates, canvas and paper and is completely resistant to oil, grease and alcohol. It can be used directly from the tube with no mixing or measuring necessary. It is ideal for applying decorative trim as well as for cementing counter tops and loose tiles.

• Science News Letter, 85:48 Jan. 18, 1964

⚙️ **AUTOMATIC CLIP DISPENSER** eliminates time-wasting fumbling with tangled paper clips. Each time the top is pressed the compact unit automatically dispenses a single paper clip into the fingertips of the user in the correct position for use. The dispenser has an overall measurement of seven inches and is made of two-tone gray plastic. It is easily loaded with special cartridges of 100 clips.

• Science News Letter, 85:48 Jan. 18, 1964

⚙️ **LONG LASTING RECEIVING TUBES** for TV, radio and audio tubes last the lifetime of the units in which they are used. The tubes come in 62 of the most used types and are designed with 24K gold clad contacts giving lower lead inductance, better heat dissipation and insures positive contact.

• Science News Letter, 85:48 Jan. 18, 1964

⚙️ **WRIST CHRONOGRAPH**, shown in photograph, is a precision Swiss wristwatch,



stopwatch and register, specifically designed for laboratory personnel. The 17-jewel instrument, provided with luminous hands and dial, has an unbreakable mainspring and is waterproof and shock resistant. Although containing three smaller dials on the larger dial face, it is uncluttered in design and easily readable.

• Science News Letter, 85:48 Jan. 18, 1964

⚙️ **POCKET PAGE RECEIVER**, no larger than a packet of cigarettes, suitable for industry, business firms, hospitals or hotels, locates roving personnel immediately, privately and selectively. Used in connection with a central system, the person carrying the receiver is alerted by a sound signal audible only to him. He then replies by the nearest telephone or intercom station. Special coded signals may be used for specific messages.

• Science News Letter, 85:48 Jan. 18, 1964

⚙️ **ELECTROSTATIC FILM CLEANER** for 16mm movie films removes dust and dirt without liquids or chemicals. The cleaner, which can be mounted permanently, picks up dust electrostatically as the film passes between two camel's hair brushes before entering the film gate. Easily installed, the cleaner assures clear sharp pictures, finer sound production and protection of the delicate projector parts.

• Science News Letter, 85:48 Jan. 18, 1964

⚙️ **SUBMERSION ROTATOR** for standard water bath is constructed of heavy gauge water resistant aluminum. It is provided with an assortment of 65 interchangeable clips of various sizes for underwater rotation of test tubes, syringes, stoppered flasks and small bottles. The rotator is useful for rotation of tissue slices, homogenates, coagulations and other studies in industry, biochemistry and bacteriology.

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• Doctors Are Reading •

Surgery Arrests Arthritis in Knee

➤ **PAINFUL**, swollen knee joints of the person with rheumatoid arthritis can be relieved by surgery, a report in the *Journal of the American Medical Association*, 187:4, 1964, stated.

By removing diseased membrane that lines the joint cavity, Drs. Howard P. Aidem, now of Phoenix, Ariz., and Lenox D. Baker, Duke University Medical Center, Durham, N. C., said they had arrested the rheumatoid process in the knee of 24 patients and prevented progressive joint destruction.

Autopsies for the Executed

One of the most important questions in medicine—what causes hardening of the arteries—may be answered through autopsy studies of executed criminals, two Los Angeles researchers said in *JAMA*, 187:67, 1964.

Dr. Myron Prinzmetal and Constance Prinzmetal propose that condemned criminals from the 42 states and the District of Columbia, as well as from some 60 other countries and territories that have the death penalty, have complete histories taken.

Bear Meat Trichinosis

Eskimo families in western Alaska have had two outbreaks of trichinosis from eating bear meat affected by *Trichinella spiralis*, a nematode worm that causes the disease when underdone pork is eaten. The Communicable Disease Center of the U.S. Public

Health Service, Atlanta, Ga., confirmed 23 cases, Drs. James E. Maynard and Irving G. Kagan reported in the *New England Journal of Medicine*, 270:1, 1964.

Dr. Maynard, formerly located in Anchorage, Alaska, is now at the University of California School of Public Health, Berkeley. Dr. Kagan is chief of the parasitology unit, laboratory branch, Communicable Disease Center, Atlanta.

Independence From Wheel Chair

The four-way paralysis called quadriplegia, due to spinal cord injury, need not cause the patient to remain bedridden or even entirely dependent on a wheel chair. Drs. Alice L. Garrett, Jacqueline Perry and Vernon L. Nickel of Rancho Los Amigos Hospital, Downey, Calif., reported in *JAMA*, 187:7, 1964, that quadriplegics tolerate surgery well if precautions are taken. Survival of persons paralyzed in all four limbs is on the increase, an accompanying editorial points out.

Migraine Headache Remedy

The best drug for prevention of "vascular" headache of the migraine type that has so far been tried is methysergide (see *SNL*, vol. 84:38, July 20, 1963), Dr. John R. Graham of Harvard Medical School reported in the *New England Journal of Medicine*, Jan. 9, 1964. Dr. Graham's findings were based on work involving 500 patients over a course of 4,276 "patient months."

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