

• New Ideas and Gadgets •

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⚙️ **ALUMINUM SHUTTERS** especially suitable for homes with aluminum siding are louvered and ornamental. Maintenance-free, the shutters are available in six colors. Finished in baked enamel they resist blistering, chipping and peeling. The shutters come in 12 heights to fit most popular sized windows.

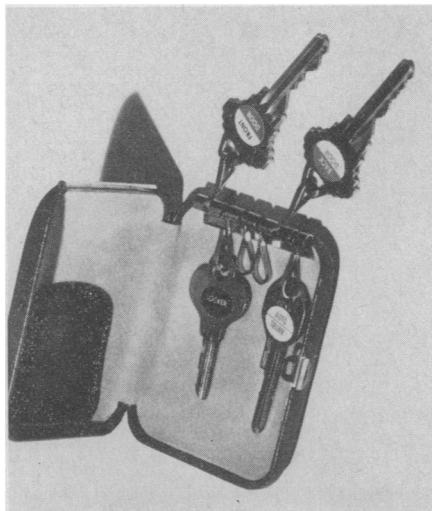
• Science News Letter, 85:240 April 11, 1964

⚙️ **MICROSCOPE SLIDES** are offered cleaned of film, dirt and glass chips. The slides, held vertically in a plastic dispenser box, can be removed without smudging the working area. A divider in the center of the dispenser keeps the slides upright, easily accessible to the last one. The slides are available with clear, single frosted or double frosted working areas.

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⚙️ **GLASS SLIDE BINDER** places properly aligned binding around the edges of 2 x 2-inch glass mounts without overlap, bubbles or bumps. The set consists of a mounting jig, without any moving parts, and binding material cut in prealigned sets of four backed with pressure sensitive adhesive. The binding material is simply placed on the jig and each edge of the glass slide sandwich pressed into the unit consecutively, automatically sealing the edges.

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⚙️ **KEY LABELS**, shown in photograph, eliminate fumbling for the right key among the many on a key chain. The labels are moisture and abrasion resistant and permanently adhere to each key with just fingertip pressure. Oval-shaped, they are about $\frac{3}{8}$ by $\frac{1}{8}$ inch in size. Identifications such as auto, office, desk, front door and file are color-coded and printed in clear-easy-to-read letters.

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⚙️ **RECORDING TAPE ERASER** that can be held in the palm of the hand, erases recorded and unwanted signals from an entire reel of tape in seconds without re-winding. The tapes are erased by simply moving the eraser over each side of the reel. Measuring $4\frac{1}{2} \times 2\frac{3}{8} \times 2$ inches and weighing two pounds, the unit operates at four amperes, 110-120 volts AC.

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⚙️ **CORDLESS SLIDE PROJECTOR** for 35 mm slides or filmstrips operates on three flashlight batteries. It is especially useful to travelers, salesmen and for home or camp showings to small groups where no electricity is available. The inexpensive plastic unit has a focus control and throws clear, bright 12 by 18 inch pictures on any surface.

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⚙️ **LIQUID SILICONE ELASTOMETERS** insure a voidless seal between heat-shrinkable boots used on connectors and jacketing on electric cables. The material is especially useful where an easily removable material is required to permit repairs on the connection. Two holes, one to allow air to escape, are drilled in the boots, and the silicone material is injected with a syringe. The material fills all corners of the boot.

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• Doctors Are Reading •

School Smokers Defiant

➤ **POOR ADJUSTMENT** of high school students to authority in general leads them to smoke cigarettes as a symbol of their defiance, two Harvard researchers believe.

Other personality differences between smokers and nonsmokers based on a study of 304 senior students attending the Newton, Mass., Public High School show up in their recreational habits.

For example, smokers are less active in sports, belong to fewer clubs, watch television more, read fewer books and are more frequently car owners than nonsmokers.

Dr. Eva J. Salber and Joan E. Rochman, who reported the study in the Archives of Environmental Health, 8:459, 1964, had previously shown that smokers do poorer in school than nonsmokers. A hopeful comment they make, however, is that at the age of 16 and 17 it is likely that patterns of behavior are not set. They advise caution in generalizing about differences based on insufficient data.

New Fire Danger

A new death trap for children is power lawn mower gasoline stored near gas water heaters, a New Orleans doctor warned in the Journal of the American Medical Association, 187:1034, 1964.

Dr. John B. Blalock reported four utility room fires in which young children turned over containers of gasoline, which soon caught fire from heater flames. Three of the five victims, all boys, aged two and three, died.

The only remedy for such accidents, Dr. Blalock said, are ex-

plosion-proof or leak-proof gasoline containers and constant vigilance by parents.

Shots Every Leap Year

Immunization for smallpox, diphtheria, tetanus, polio and whooping cough (pertussis) is urged for children, but booster shots should be given about every four years. Since 1964 is leap year, Dr. James L. Goddard of the Government's Communicable Disease Center, Atlanta, Ga., has proposed the slogan, "Leap year is booster year." Four million children under the age of five in this country have not received immunization for any disease, Dr. Goddard pointed out in JAMA, 187:1009, 1964.

Quick Psychiatric Help

Hospital emergency clinics in general hospitals should add quick help for the mentally ill, researchers at the Elmhurst, N. Y., City Hospital Center believe.

Emotional first aid is just as necessary as help for a broken leg, psychiatrists now feel. Dr. Leopold Bellak, director of psychiatry for the Center, and his co-workers reported that roughly 50% of the patients seen in the hospital's medical-surgical emergency clinic are suffering from some kind of mental disorder.

If no psychiatrist is available during clinic hours, a properly trained psychiatric social worker or clinical psychologist can be of great value, the researchers said in the Archives of General Psychiatry, 10:267, 1964.

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