

# • New Ideas and Gadgets •

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⊗ **HUMAN ANATOMY CHARTS** in full color with glossary, 30 by 37 inches in size, are ideal for schools and students. The charts fold to 9½ by 12½ inches and are contained in a reusable polyethylene bag. Each set contains 14 charts with complete details on the skeletal system, muscular system, heart, circulatory system, nose, mouth, nervous system, etc.

• Science News Letter, 84:240 Oct. 12, 1963

⊗ **PORTABLE ELECTRIC LAMP** for student, hobbyist or laboratory, gives a glare-free, pure white light adjustable to two intensities. Its 16-inch telescopic arm can be adjusted for length and its swivel reflector head turns a full 360 degrees, for direction. Available in gray, white or black, it folds into a compact unit only six inches high for storage or carrying.

• Science News Letter, 84:240 Oct. 12, 1963

⊗ **CHEMICAL TEMPLATE** of transparent plastic makes it possible for scientists and students to draw three-dimensional representations of molecules quickly and easily without actual models. The template, 4 by 6½ inches, contains a protractor, centimeter scale and 31 different shapes. A 12-page booklet illustrating simple techniques for drawing the molecules is included with each template.

• Science News Letter, 84:240 Oct. 12, 1963



⊗ **TEFLON IRON ATTACHMENT**, shown in photograph, helps prevent scorching or shining when ironing synthetic or natural fabrics. Fitting on the bottom of a regular steam or dry iron, the attachment prevents material from sticking to the iron and scorching. Ironing is done on the right side of the fabric without a press cloth. Perforations for steam are supplied.

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⊗ **TRANSISTORIZED POWER CONVERTER** changes engine electricity into household current in cars, boats, trailers and planes by plugging into the vehicle's cigarette lighter. It does not impair the battery. Useful to travelers, campers or salesmen, the converter can be used to operate an electric shaver, tape recorder, dictating machine or provide light and power for kitchen equipment. It weighs 5½ pounds, is 4 by 5½ inches, and comes complete with a 10-foot cord and lighter.

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⊗ **SOAP WAFERS** for travelers, campers and sportsmen eliminate the problem of soap away from home. Each paper-thin wafer of facial-type soap, 2 by 3 inches in size, will produce enough lather when mixed with water to wash the face and hands. Mild and effective, the soap comes in pocket-sized packets of 50 wafers which can be conveniently carried in pocket or handbag.

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⊗ **CHALK BOARD SPRAY** turns any smooth surface, such as glass, wood, wall-board or masonry wall, into a chalk board or refinishes old boards. Ideal for use in schools, homes, offices or factories, the quick-drying finish is simply sprayed on the surface. Each aerosol can contains sufficient coating material for four large chalk boards.

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# • Doctors Are Reading •

## Speech Started From Hunters' Cries

➤ **YELLING CAME** before speech. Man first used speech when he stopped stalking small prey in needed silence and began yelling after big game, physicians will be reading in the *Journal of the American Medical Association*, 185:1017, 1963.

Dr. Ashley Montagu, anthropologist of Princeton, N. J., said he believes a high premium was placed on the ability to communicate with fellow hunters. In the excitement of the chase there were violent but meaningful cries and yells.

"All that is necessary is the repetition and imitation of such sounds in similar contextual situations for them to become established as words," he explained. "In this manner a simple vocabulary would come into being, which could then serve as a basis for further development."

## Heart Damage in Military

A draftee should not necessarily be rejected from service as a cardiac cripple because he is found to have a heart murmur.

The continuing draft provides an excellent opportunity for screening heart disease among male youths, Dr. Thomas W. Mattingly of Washington, D. C., pointed out in an editorial in *JAMA*, 185:1036, 1963.

Dr. Basil M. RuDusky of Temple University Medical Center, Philadelphia, reported "strong consternation" after a study of rheumatic heart disease among military recruits, few of whom were either aware of their condition or receiving treatment for it, in *JAMA*, 185:1004, 1963.

He said one must "woefully" expect that within ten years the incidence of rheumatic fever recurrences in the military recruit group will increase.

Among children, Dr. RuDusky said, fortunately penicillin and other antibiotics often are used to treat a sore throat or undiagnosed fever because rheumatic fever commonly occurs after streptococcal throat infections. But there is an "obvious" lack of an adequate prevention program for Army recruits, he added.

Dr. Mattingly said five to ten percent of the men who register for the draft are found to have heart murmurs or other heart and circulatory disorders during screening examinations.

## New Tetanus Dilemma

Because people get injured more outdoors these days, more and continued "shots" to immunize against lockjaw are recommended by the American Medical Association.

About 400 lockjaw cases are reported each year in this country, Dr. Raymond L. White, director of environmental medicine for the AMA, said, in spite of the fact that lockjaw can be prevented, as well as treated.

## Serum Hepatitis Prevention

The serum hepatitis caused by virus in transfused blood or by unclean instruments could possibly be prevented through routine use of gamma globulin, which contains antibodies, *JAMA*, 185:1037, 1963, said editorially.

Blood transfusions cause death in approximately one of every 150 persons over 40 years of age as a result of serum hepatitis.

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