

tional bumpers. Entire heavy-duty trucks can be made of high-strength steel.

Even New York's famous subway will soon share the benefits of high-strength steel. Recently this line purchased 236 subway cars, each containing about 16,000 pounds of high-strength steel—presumably to hold more harried rush hour crowds without bursting.

High-strength steels provide many substantial benefits, including weight reduction, to a miscellany of products. Shells for water heaters and water softeners made of high-strength steel are 30% lighter. This cuts the overall weight by about 15% and reduces shipping costs.

Cargo containers made of high-strength steel weigh appreciably less, thus allowing shipment of added cargo. The weight of liquefied petroleum containers has been reduced from 100 to 65 pounds, thereby reducing shipping costs and making it possible to handle empties without the use of hoists, a previous added cost.

Few new product developments of the steel industry have been as far-reaching and have brought as many benefits as low-alloy high-strength steels. Steel men say that, for the most part, manufacturers of steel products have not yet awakened to the full possibilities inherent in high-strength steel.

They foresee its widespread use in a host of applications now using other materials—for steel, they know, is still the most versatile and economical material available. Through use of new high-strength steels, present and future, they see the world of the future, like today's world, built out of steel.

• Science News Letter, 84:46 July 20, 1963

ARCHAEOLOGY

**4,000-Year-Old House Excavated in Peru**

➤ A 4,000-YEAR-OLD house, virtually intact, although made of perishable materials, has been excavated at a site on the Peruvian coast.

Christopher B. Donnan, a University of California, Los Angeles, archaeologist who is working at the site, said the semisubterranean house was in an excellent state of preservation.

Beams, thatch covering and bindings were preserved in the same position as they had been left 4,000 years ago.

The structure has been sectioned and transported to the University of La Molina museum in Lima, Peru, where it will be reconstructed.

The site being excavated is located about 70 miles south of Lima. Designated as the Chilca site, it has been declared a national monument.

Latest inhabitants of the location, who lived there around 700 A.D., appear to have had a rather advanced civilization. They had cotton textiles, adobe architecture, domesticated plants and animals and ceramics.

Eleven tombs at various levels in the site have been excavated. Radiocarbon dating of the various levels has established a relatively accurate chronology of the habitation levels.

• Science News Letter, 84:47 July 20, 1963

PSYCHOLOGY

**Eight- to Ten-Year-Olds Most Highly Imaginative**

➤ MOST IMAGINATIVE of all children are the eight- to ten-year-olds.

These youngsters can act out typical hypnotic experiences even when they are not actually hypnotized.

They responded to experimental suggestions that their arms were getting heavy, their bodies immobilized or their hands interlocked better than children of other age groups.

Generally, children were more suggestible than adults.

Drs. Theodore Xenophon Barber of the Medfield Foundation and David Smith Calverley of the Medfield State Hospital, Mass., reported their research on 724 students aged six to 22 in the Journal of Abnormal and Social Psychology, 66:589, 1963.

• Science News Letter, 84:47 July 20, 1963

*Do You Know?*

Sensitivity to glare becomes increasingly greater with age, and facing oncoming headlights becomes increasingly painful.

As many as 18 different varieties of milk can be produced by cows.

There were 54,652 new active cases of tuberculosis reported in 1962 compared with 53,726 in 1961.

Carbon, universally burned as a fuel on earth, may turn out to be an important structural material in space.

Massive accumulations of detergent foam are blighting public highways as well as public waters.

• Science News Letter, 84:47 July 20, 1963

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