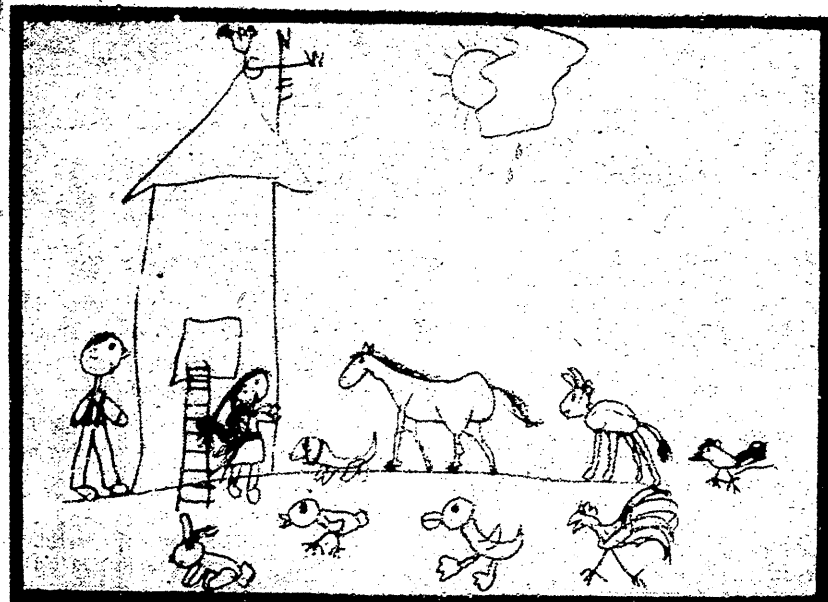


The Kids' Corner

TODAY'S JUNIOR ART CHAMPION



"The Barnyard," by Moliy Newlon, 7 1/2
746 Nevada avenue, San Mateo

Honorable Mention Award Winners

Brian Linsley, 9
554 Kinsley avenue, Palo Alto
Susan Engman, 6
9 Robert road, Orinda
Larry Richison, 8
P. O. Box 57, Riverbank
(c/o Mrs. R. L. Courtney)
Katie Walt, 5
200 So. avenue, Alamo, Calif.
Gary Draper, 5
674 Greenwich, San Francisco
Mark Lovorsen, 4 1/2
2824 Lyon, San Francisco
Jackie Ames, 5
435 San Mateo drive, Menlo Park
Anne Hart, 6
580 Tiffany drive, Hollister

Mary Nerney, 5
18765 Austin way, Los Gatos
Leslie Sharon Lasnik, 7
131 Belle View avenue, Petaluma

\$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$2

Draw a picture shaped like that above (only bigger) of any subject. Mail it, with name, age, address and title of picture to Junior Championship, The San Francisco Chronicle, Fifth and Mission streets, S. F. 19, Calif. There is no minimum age, but no one over 14 years old may enter. Each entry will be judged on the merits of the picture. Age of entrant will be considered. All entries become property of The Chronicle, and no entries can be returned. Each day the Junior Art Champion will get \$2.

Uncle Muff's TRADING POST

THE CHEAPEST WANT AD SECTION IN THE WORLD—FREE
Read These Ads! Do What They Say! They're Real!

BOOKS FOR SALE: One Bonnie and eight little Golden Books. Ten cents apiece. The numbers are 441, 28, D12, 28, 213 and 256. If you want to buy any call Davenport 2-0779 (Palo Alto) and ask for Lee Baird.

TRACTOR FOR SALE: I have a Red Murray tractor in good condition that I have outgrown. For \$100.00. Call Norman Auslow, Age 8 1/2, Montrose 4-5622, 942 Stanton street in San Francisco.

BIKE: I want to sell a 24 inch boys bike for \$30.00. In good condition. Darrell Lowe, Age 12, 381 Marlow drive, Oakland.

BOARD GAMES: 10c each used. They are Snap, animal rummy, hearts. Call after 6:15 ask for

Kadeane, Glenwood 6-2777 in San Rafael.

FOR SALE: A boys 26 in. bike, new tires, new paint job, and in all around good condition, only \$11.00. If interested call Mike, JUnitel 6-3563, 156 Girard street, San Francisco. Age 12.

FISH FOR SALE: 2 male Siamese fighting fish. One female. One gold fish. One puppy. 2 mixed breeds. Food included. All for just \$2.75. Phone Clayton 5-9797, Oakland. Ask for Glenn, Age 12.

BIG SALE: One no. 4 1/2 motorized tractor set, \$20.00. One Dodge City set, \$2.00. One Steve Canyon jet helmet, \$1.00. Everything is reduced to half price.

One book of Lee Baird, Son of Danger. One book of submarines. One, model of a 1932 Model "40" Ford, \$75. Earl Wood, age 14, 533 Cedar street, Apt. A, Alameda. Landscape 2-7257.

FOOTBALL CARDS FOR SALE: I will sell about 150 to 200 football cards. There are almost every team and doubles. I am asking a \$2.50 for the cards. Address 715 Hilary drive, Tiburon. Phone No. Geneva 5-0659 call after 3:45 and ask for Richard.

GIRLS FIGURE ICE SKATES: For sale—Size 4. Just like new. Have guards, too. \$6.00. Call Lisa at JUnitel 5-3912 after 6:30 p. m.

Hey Kids! You can buy, sell or trade all kinds of stuff with an Uncle Muff Trading Post ad. Send your ad. If it's for real stuff valued at less than \$15 I'll print it as is, FREE. But be sure it's real, because real people will call you about your ad. Don't forget to enclose your name, age, address, phone number, price. **FOR KIDS ONLY! NO BIG PEOPLE ALLOWED!**

Ask Andy

What Is in the Atomic Nucleus? Where Do Hurricanes Begin?

Andy sends a complete, 20-volume set of the World Book Encyclopedia to Lester Leslie, age 12, of Des Moines, Iowa, for his question:

What Is in the Atomic Nucleus?

The nucleus is the hard and heavy core at the center of the atom. Without the nucleus, the atom would be a mere jumble of particles. Yet this central powerhouse takes up only a small part of the atom. If the atom were as big as a football stadium, the nucleus would be no bigger than a golf ball. In the space around it there would be up to 100 orbiting electron particles—on this scale no bigger than flies.

Though most of the atom is empty space, the central nucleus is very dense indeed. If we could strip away the space and make a penny from the closely packed nuclei, our coin would weigh many millions of tons. Fortunately the nucleus of an atom is very small. It takes about 100 million carbon atoms to measure one inch. The diameter of each one of those atoms is 10,000 times greater than the diameter of its nucleus.

Small as it is, the atomic

nucleus is made from even smaller particles. Every nucleus has a very definite number of protons. These atomic particles each have a single charge of "positive electricity. Almost all nuclei also have a number of neutrons. These particles are the same weight and size as the protons but they are electrically neutral.

The character of an atom depends entirely upon the number of protons in its nucleus. Every atom of hydrogen, the smallest of atoms, has one and only one proton. Every atom of oxygen has eight protons. Gold has 79 protons. Should an atom lose or gain a proton in its nucleus, it becomes an element of something else. Each element gets its atomic number from the number of protons in the nucleus. The atomic number of hydrogen is 1. Oxygen has atomic number 8 and gold has atomic number 79.

Also present among the highly charged protons are a number of neutron particles. It has been suggested that these neutral particles act as policemen among the particles of positive electricity. The hydrogen atom, with but one proton, has no neutron. Helium, with two protons, has two neutrons. Lithium, with three protons, may have three or four neutrons. The mass number of an atom is the number of protons and neutrons in the nucleus. The mass number of hydrogen is 1, of helium 4. The mass number of a rare type of lithium is 6, the more common type is mass number 7.

The weight of an atom includes the nucleus, plus the orbiting electrons. In a

healthy atom, the number of negatively charged electrons equals positive protons. However, one proton or one neutron weighs as much as 1800 electrons. About 99.9 per cent of the atom's weight is in the nucleus, no bigger comparatively than a golf ball in a stadium.

★ ★ ★
Andy sends a Hammond's Library World Atlas to Douglas Greene, age 14, of Biltmore, N. C., for his question:

Where Do Hurricanes Begin?

The experts are not yet sure what starts a hurricane, but they have a good idea where it happens. The raging storm may hatch in any one of eight regions, all of them over warm, sultry oceans.

The most frequent hurricanes are hatched in the Pacific Ocean between the Marshall Islands and the Philippines.

★ ★ ★
Send question, name, age and address on a post card to "ASK ANDY," care of The Chronicle. Only questions used in the column will be answered.

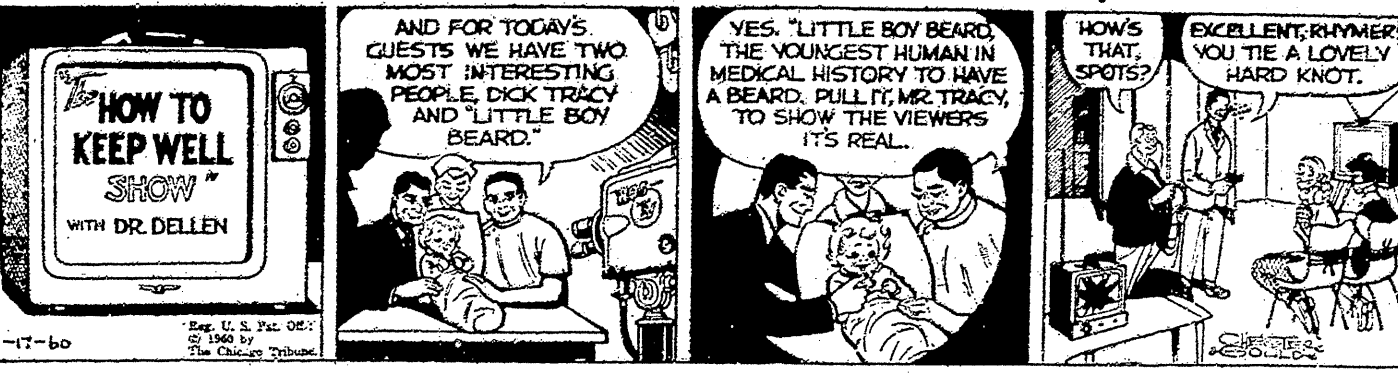
Mayor Art's RIDDLE BOX

Why are soldiers like rocks in a mine?

Get the answer from Mayor Art on the POPEYE show today 5 p.m.

CHANNEL 4

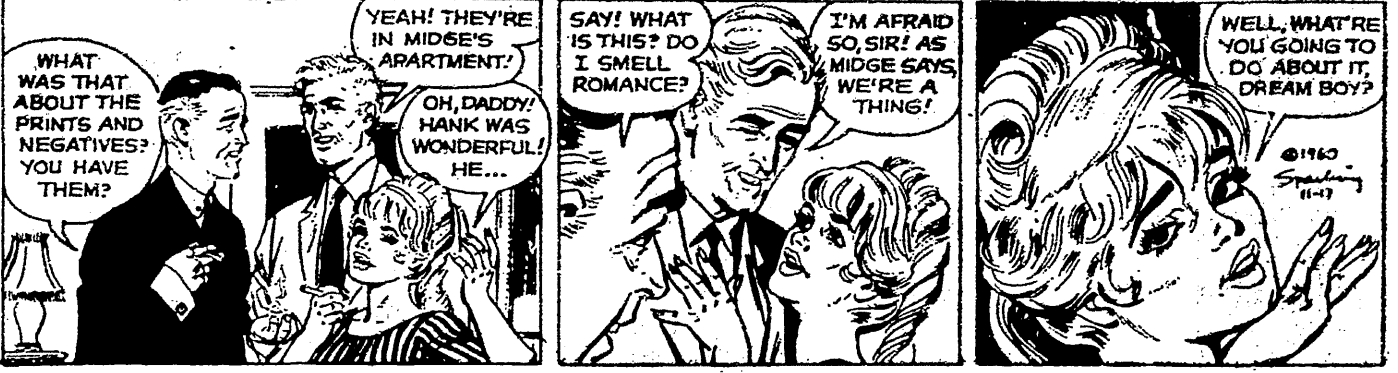
DICK TRACY - By CHESTER GOULD



STEVE ROPER - By SAUNDERS and OVERGARD



HONOR EDEN - By JACK SPARLING



DONDI - By EDSON and HASEN



GASOLINE ALLEY - By KING



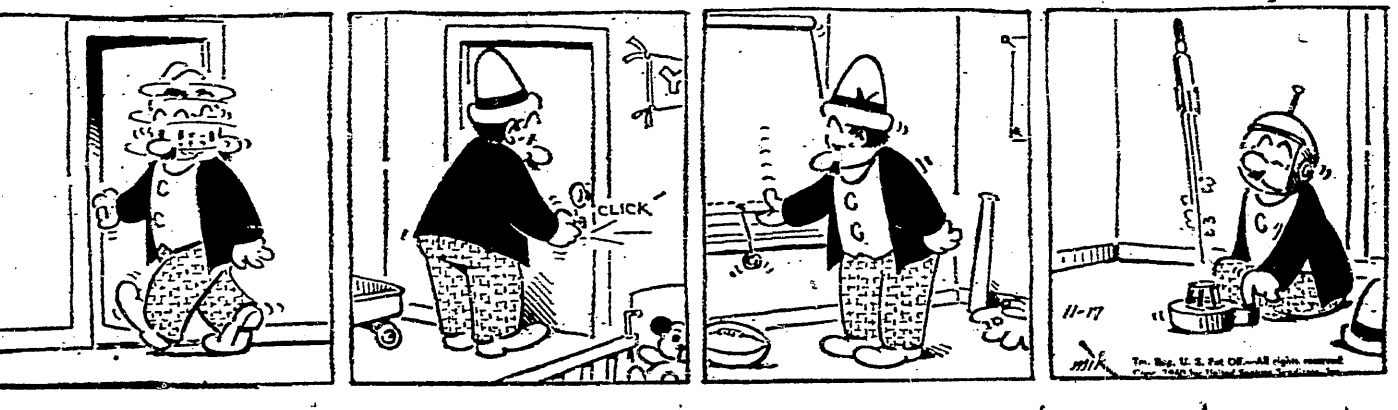
GORDO - By GUS ARRIOLA



TERRY AND THE PIRATES - By GEORGE WUNDER



FERD'NAND - By MIK



Previous Panorama Puzzle

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