

Survival in Case of Nuclear Attack Down to Simple Case of Dig or Die

Editor's note: Here is the last in a series of three stories on modern bomb shelters and how they may preserve your life in event of undeclared international ballistic missile (ICBM) warfare. The material presented here was prepared by the Federal Civil Defense Administration headquarters at Battle Creek, Mich., especially for the United Press.

By WILLY MALONE
United Press Correspondent
San Francisco—U.P.—The possibility of an unprincipled and undeclared attack through use of the international ballistic missile (ICBM) with an atomic or thermonuclear warhead has reduced survival today down to a simple case of dig or die. The possibility may not be so great, but another surprise attack similar to Pearl Harbor, according to the best thinking of our Civil Defense authorities, could knock out a prime target area such as San Francisco Bay in a matter of minutes.

Those who would survive, would be those who were prepared. And the Federal Civil Defense Administration holds out real hope of survival for those not directly under ICBM. It depends upon proper shelter—shelter that actually has been tested in simulated nuclear attack. Such tests were conducted in May, 1955, and earlier and have proven that persons could survive even at surprisingly close distances from "ground zero" center of explosion.

Steps to Consider
Here are the steps the FCDA suggests should be considered in selecting a "life preserver" home shelter:

1. If you live within 10 minutes of the downtown section of a large city, you need substantial protection against blast, heat, and nuclear radiation. For lowest cost if your home has a basement, choose a corner in it nearest the probable target area to build your shelter.

2. If your house does not have a basement, or if it is not practical to build a basement shelter, you can build—at a little greater cost—an outside underground shelter which will give adequate protection. Choose a site for your underground shelter that will not be covered by debris of your house should be blown down. The more earth cover the better. The more earth cover the better, up to a maximum of three feet.

3. If the water level in the ground is too high, an above-ground shelter may be built. This shelter could also be used as a toolhouse or storage shed. If you build this type of shelter, you should provide sufficient shielding material to reduce nuclear radiation to safe levels. This may be done by piling earth or sandbags around it.

4. If you live more than 15 miles from the downtown area of a large city, your need for shelter from blast is not as great. But you still need protection against nuclear radiation from fallout. In fact, no matter where in the United States you live, you may need this protection.

A cover of almost any material—even clothing—provides some protection against fallout. The ordinary home will reduce radiation by only one-half. Radiation in the average basement will be no less than 1-10th that outside. On the other hand, three feet of earth over a typical root cellar or low-cost backyard shelter will reduce to 1-5,000th the radiation of that outside. This is considered adequate.

Other Supplies
Persons in such shelters would be able to leave within a reasonable time after attack. Yet some time must be spent in any shelter. Provision, therefore, must be made for this stay. Of prime importance would be a portable, battery type radio as the only source of official Civil Defense information and instructions. There also should be a first aid kit in or near the shelter as well as a seven-day supply of food and water. Other supplies needed would include blankets, warm clothing, pliers

of a wrench, heavy gloves, paper cups and plates, flashlight and extra batteries as well as escape tools such as a pick, shovel, crowbar or ax.

NOT GOTT BLAME
Johannesburg, South Africa—U.P.—A bus boycott was blamed today for a sharp increase in bicycle thefts.

In the United States, several of the nation's largest industrial plants have constructed personal shelters and emergency control centers. Examples include the 2,000-worker shelter built by the Cleveland Twist Drill company, and the elaborate control center set up by United Aircraft Corp., at East Hartford, Conn. Both of these installations are underground.

Inhabitants of older houses in Sweden which do not have shelters must pay a share in the public shelter they would use. Norway and Denmark have similar programs. The 15 largest Swedish cities have public shel-

Refusal of Haircut Wins \$200 for Negro
Stockton, Calif.—U.P.—A Negro businessman received a \$200 award for damages Thursday because he was refused a haircut in a Tracy, Calif., barbershop. The Negro, Archie Manley, Tracy restaurant owner and church deacon, originally sued barbers Robert and Pete Murrill for \$2,950.

Municipal Judge Bill Kozier awarded Manley \$100 damages for violation of the civil code and \$100 for personal humiliation.

Elizabeth Taylor To Be Married Saturday
Acapulco, Mexico—U.P.—Screen star Elizabeth Taylor and producer Mike Todd went into virtual seclusion today at the seaside estate of ex-President Miguel Aleman where they will be married Saturday.

Miss Taylor learned Thursday a court in Mexico City had granted her a divorce from British actor Michael Wilding.



for Valentine's day put your heart to work buy Sur-mil-Cameo Seamless Nylons... from 1.35 to 1.65 pr.

well-designed... for your pocket-book and you.... just 49⁹⁵

1—the puffy coat—spring drama in red, navy or beige... sizes 10-18.

2—the narrowed tweed by Dumas, beautifully hand-tailored... in gold or pink blended with black... sizes 12-18... million-lined.

3—the excitement in the double-breasted great coat—in sparkling tweed shades—million-lined... sizes 12-18.

4—Another brilliant word of perfection—easy, clutch styling, sparkling rhinestones accent.

coats, New Fashions FOR TRANS-SEASON SMARTNESS!

layaway now!

Mann's medford

Mann's Sale of 88¢ KITCHEN GADGETS

Reg. to 2.00 each Mail Order Today... Just Clip Coupon

Fill in numbers of your choice below:

--	--	--	--	--	--	--	--

NAME _____ ADDRESS _____

Check Money Order Charge

Ben... ride... rush to this amazing sale of kitchen gadgets! Upside down or backwards... 88¢! 88¢! 88¢!...

Kitchen Shears
Chrome-plated steel kitchen shears. Sharp serrated blade. Also opens cans, bottles and jars. 8" long 88¢

Maggie Board
All purpose memo. Magnets hold pencil and notes. Handy, 8 x 10. 88¢

Magnetic Oven Mitts
Heavy weight quilted oven mitts in gay fast kitchen colors. Has magnet which holds mitt to steel cabinets, stove, etc. 2 for 88¢

Ironing Board Cover Holder
It's a cinch to keep ironing board covers smooth and tight all the time with "Cinch" spring clip holder. Strong, even-tempered steel springs, sturdy book plates make ironing easy. Set 88¢

Coilzit Cord Shortener
Excess cord lengths on lamps, clocks, etc., are unsightly, cause accidents. Wind up to 3 ft. cord around Coilzit. Pkg. of 10... 88¢

So Brite
Scours without scratching. Needs no soap or powder. Cleans in half the time. Strong nylon cloth with sponge backing. 2 for 88¢

Ice Cream Scoop
Handsome chrome-plated finish on sturdy brass with stainless steel thumb piece. Wooden handle, medium size 88¢

Compact Spice Rack
Ingenious two-row rack provides space for 12 cans. Efficient, aluminum—preserves space. Room for bottles, too 88¢

Measuring Spoon Set
Four lustrous copper-tone aluminum measuring spoons with non-chip plastic handles. Comes with easy-to-hang bracket 88¢

Block with Chopper
3 way chopping set—a chopping bowl, with stainless steel chopper. Ideal for salads. A mortar and pestle—the wood handle can be used to crush herbs and garlic. A cutting block—use reverse side as solid cutting, slicing board. All 88¢

Food Covers
Keeps flying wild-life away. Made of high quality flitting on a metal frame. Opens to 16" square, 16" deep. Assorted colors... 2 for 88¢

Wooden Spoon Set
Set of 5 bleached hardwood spoons. 8 3/4" to 16" in length. Really wonderful for all cooking... 88¢

Cake Coolers
Two, lumbie, racks, non-garnishing steel. Fit together... cooling surface 10 1/2" wide, 21" long. Set 88¢

Utility Tongs
Long utility multi-use tongs make practical kitchen aids. Copper-tone over pure aluminum, colorful plastic handles 88¢

Coffee Stain Remover
Cleans all stains and stale taste from coffee maker. Also cleans stains from nylon, linen, plastic dinnerware 88¢

Kitchen Saw
All steel frame and stainless steel blades. Cuts meat, bone, fowl, frozen food, bread. 8 3/4" length 88¢

Hanger Covers
Stop garments from sliding off hangers. Protect drying clothes from rust stains. Fit any style hangers, set of 12... 88¢

All West Pastry Cloth
Queen-size cloth plus rolling pin cover—fits any pin up to 1 1/2" diameter. Flicker pastry... 88¢

Beast Thermometer
Tells the guesswork out of roasting or broiling. Aluminum timetable tells you when meat and fowl are done. With steel skewer... 88¢

Chrome Clothes Line Reel
For kitchen, bathroom or nursery. 24 ft. of Navy Standard woven line in a gleaming chrome plate case. Complete with screws... 88¢

Imported Grease Set
Attractive spun aluminum (4" x 5 1/2") grease container with strainer; matching 4" salt-and-peppers... 88¢