

Build A-bomb in your home

By RAYTOWN BROWN
Of the Immorald

The Manhattan Project product, also known as a fission bomb, marks the latest invention of easily constructed, exotic devices for the do-it-yourselfer. As with other rare and exotic devices, the secrets to its construction were jealously guarded by those laying claim to the original.

But in time the secrets leaked out. Recently, the magazine Reversion thought about publishing do-it-yourself plans for the bomb, but during a fit of indecision and fear, the editors returned the plans to the organization claiming original ownership.

Although some of the major ingredients remain relatively rare, the correct mixing proportions and procedures have long been a favorite subject of how-to speculation among armchair generals.

Here then is a detailed bomb plan:

Obtain the following ingredients for the concoction: 18 kilograms of pure plutonium-239; 50 pure graphite sheets, one millimeter thick and 60 centimeters square; 10 kilograms of trinitrotoluene (TNT) and two electrical blasting caps.

For mixing utensils use three sections of high-carbon steel pipe, 20 millimeters thick with an inside diameter of 10 centimeters. Polish all inside surfaces to a high gloss. Cut one section one meter long and the other two 20 centimeters long. Thread each end on all three sections. Obtain two female threaded collars to couple the three pipes together, and two like-threaded caps to close off the open ends.

Drill a five-millimeter hole in the center of each cap. Mill two, 5-centimeter-thick chrome disks to exactly match the inside diameter of the one meter-long pipe.

First, prepare the pure plutonium-239. The size of the pieces depends on the size of the device desired. For this plan use a total of 18 kilograms.

A successful explosion depends on the plutonium's configuration. Two pieces of plutonium-239, which by themselves do not equal a critical mass, must be brought together rapidly so that when combined it exceeds critical mass and becomes a supercritical mass.

Shape the plutonium-239 into two cylindrical plugs of equal weight, 9 kilograms each. They must be just wide enough to slide into the inside diameter of the one meter pipe. The surfaces to be brought together during the high-speed assembly must match exactly. Cut the contacting ends flat and polish with a fine emery cloth.

Keep the two halves separate for now

In the one-meter section of pipe cut a five-millimeter slit halfway through it, and exactly midway (50 centimeters) from the end. Glue together five graphite sheets and cut out a strip with a rounded end that fits exactly into the slit. This

Oregon Daily Immorald

"tamper" must completely block the pipe in the middle when inserted into the slit. The tamper will be removed prior to detonation.

Wrap the entire one meter long pipe in 25 sheets of graphite, gluing each successive layer. Do NOT wrap the threaded ends or the slit where the tamper is inserted. Secure the sheets with epoxy. Be sure the graphite tamper remains seated in place and that it can be removed easily. Leave the tamper in place until use.

Place the two halves of plutonium-239 into separate ends of the one meter pipe. They should fit snugly. Slide the chrome disks into the pipe just behind the plutonium-239 plugs with a matching disk of graphite sheeting inserted between the disk and the plutonium plug.

The next step involves the trinitrotoluene. Place one electrical blasting cap in each of the 20-centimeter pipes and run the wires out of a five-millimeter hole drilled in each end cap. Keeping the blasting caps centered in the pipe, pack the TNT all around them in the pipe. Use equal amounts in each end. Pack it firmly.

Carefully thread the two ends of the explosive-filled pipes onto the collars, then screw those assemblies onto the plutonium-239-filled center pipe. Make sure the TNT contacts the surfaces of the chrome plugs.

To use simply hook up the wires from the ends of both blasting caps to a common circuit so they will go off instantaneously. The explosion will ram the two pieces of plutonium-239 together very rapidly, producing a supercritical mass and, consequently, an atomic blast, all in less than five microseconds.

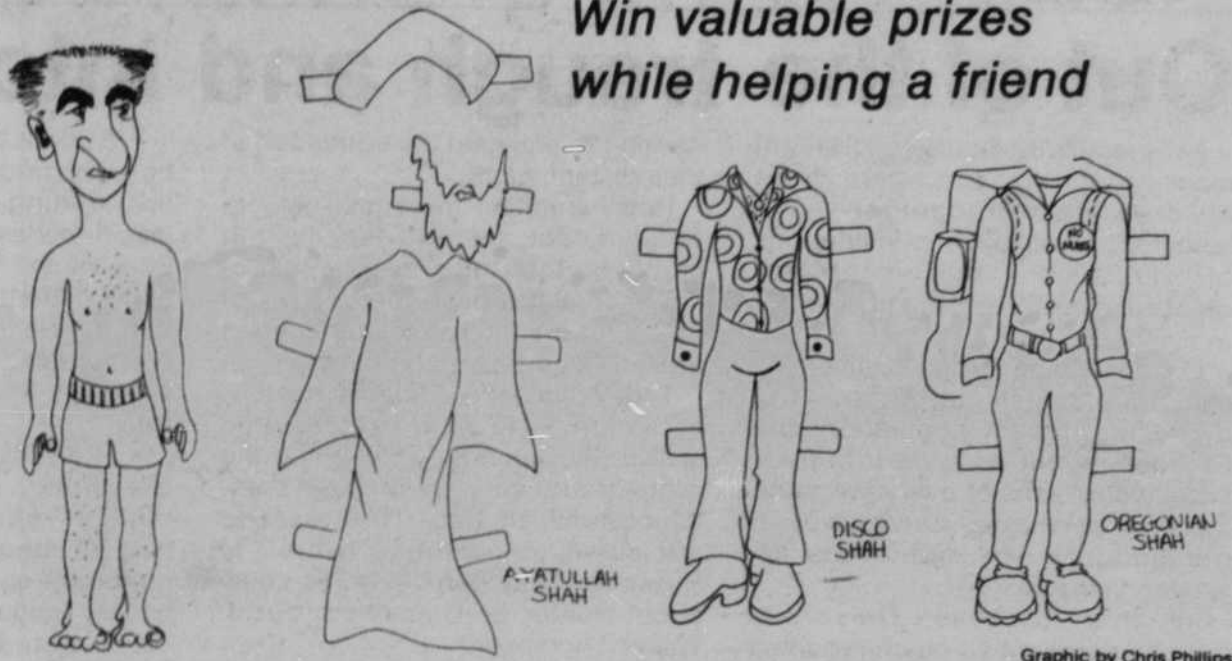
Remember — before pushing the button, remove the graphite tamper from the center of the pipe.

That's all there is to it.



Disguise the shah

Win valuable prizes
while helping a friend



He tried to keep the price of your oil down. He created jobs at Grumman, Colt, Bell Helicopter and many other starved American companies.

He introduced leisure suits to the fertile crescent.

Now he is a marked man without a country. But you can give him one.

With the proper disguise, Pahlavi can settle here in America undetected by his enemies in the radical element.

All entries must be accompanied by descriptions of materials involved and a photograph or diagram of the finished costume.

All entries must be mailed on or before May 1, 1979 to: ARAMCO Inc. Houston, Texas.

Encore Oval
Original contraceptive for prevention of pregnancy

Encore Oval

Vaginal contraceptive for prevention of pregnancy

Highly Reliable
Easy to Use
No Side Effects

12 INSERTS

The most ridiculous contraceptive since the pill.

LOVE

CAREFULLY!

DOOFY'S Proudly Presents the First Annual DONG SHOW

Featuring some of the biggest Acts
from the Northwest

Regular Attractions: Free and Easy -
Barmaid Exposé'