

the atomic bomb website

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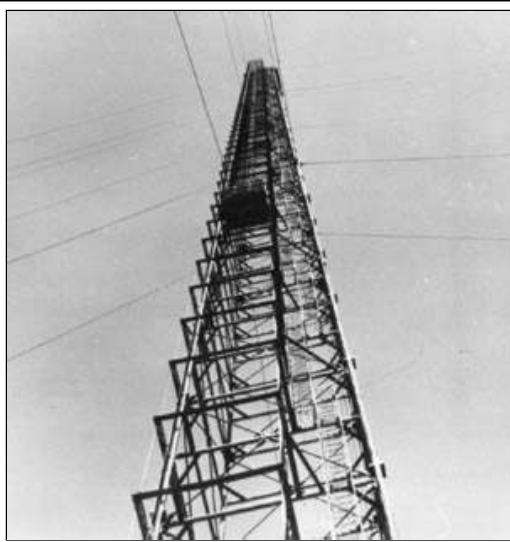
How Test Were Conducted

TOWER SHOT

Plumbob Shot Tower - 1957
 Shot Smoky (August 31, 1957)

The Smoky shot tower soars 700 feet into the air above Yucca Flat. The first atomic test tower of this height, the structure may well be the tallest steel tower of its type.

The tower was designed by Holmes & Narver, inc.



SUSPENDED BY BALLOON . . .

Plumbob Shot Balloon - 1957

Cab attached, a shot balloon begins ascent during a test run at the Nevada Test Site.

Inflation is accomplished by inserting a metal probe with thousands of holes into a plastic filler tube attached at the bottom of the big balloon.

Operation: Plumbob (1957): 13 Balloons

Hardtack (1958): 1 Balloon - Yucca

Hardtack II (1958): 11 Balloons



EXPLODED UNDER THE OCEAN

Operation Hardtack
 Shot Umbrella (June 8, 1958)

Yield: 8 Kilotons
 Location: Enewetak Atoll

Operations Crossroads (1946) - 1 underwater



Wigwam (1955) - 1 underwater

Hardtack (1958) - 2 underwater

Dominic (1962) - 1 underwater



DETONATED IN OUTER SPACE (HIGH ALTITUDE DETONATIONS)

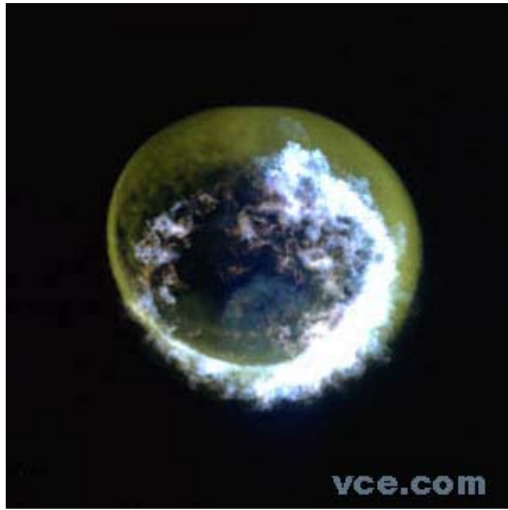
Operation Hardtack
Shot Orange (August 12, 1958)

Yield: 3.8 Megatons
Location of launch: Johnston Island

Operations: Hardtack (1958) - 2 space detonations

Argus (1958) - 3 space detonations

Dominic (1962) - 5 space detonations



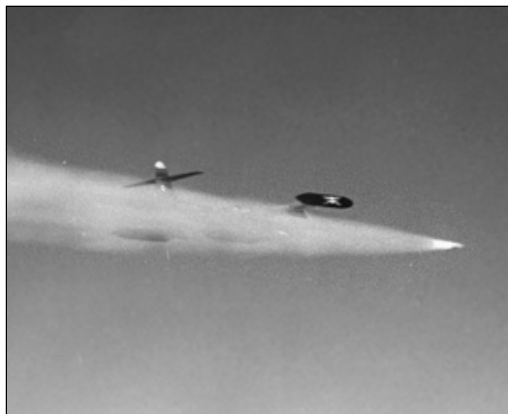
AIR-TO-AIR MISSILE TEST

Operation Plumbob
Shot John (July 19, 1957)

Yield: About 2 Kilotons
Location of launch: Nevada Test Site

A Live nuclear rocket accelerates past the launching F-89 Scorpion. Once launched, the Scorpion banks at about 70 degrees to evade the forthcoming nuclear explosion.

The rocket project was begun in early 1954 and code named "Genie" by the Air Research and Development Command.



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