

1945, at 5:29:45 a.m.,  
the Manhattan Project  
comes to an explosive  
end as the first atom  
bomb is successfully  
tested in Alamogordo,  
New Mexico.

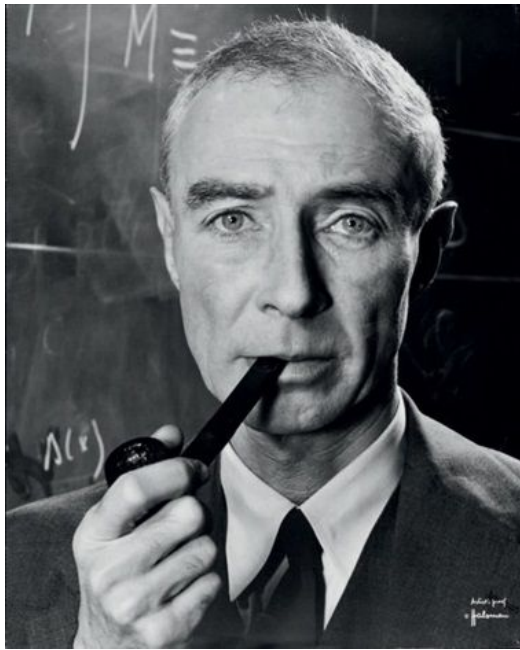


**The First Successful Test Explosion of the Atomic Bomb**

# The Atomic Bomb

- The atomic bomb intensified Soviet-American mistrust
  - Americans and British developed the bomb secretly to be used against Germany
    - Known as the “Manhattan Project”
      - Located in Los Alamos, New Mexico
      - Began because of fears that German scientists were working with nuclear technology since 1930
      - Formed December 28, 1942 by President Franklin D. Roosevelt (ancestors arrived on the Mayflower!)
      - J. Robert Oppenheimer, director of the Los Alamos Laboratory in 1943
      - July 16, 1945: *Trinity Test* in desert near Alamogordo, New Mexico the first successful detonation of an atomic bomb
        - Ushered in the Atomic Age!

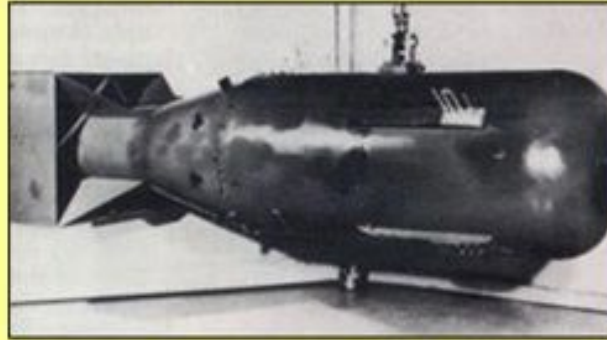




J. Robert Oppenheimer

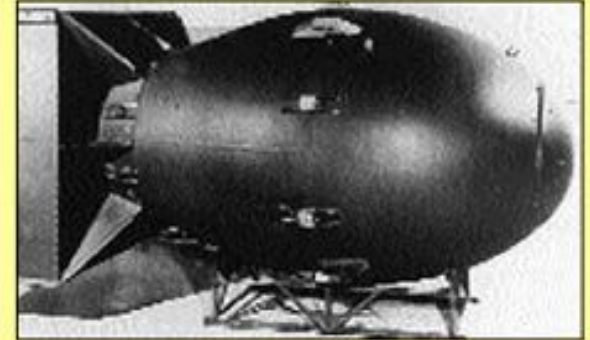
- developed two distinct types of bombs:
  - a **uranium-based** design called “the **Little Boy**”
  - a **plutonium-based** weapon called “the **Fat Man.**”
  - With both designs in the works at Los Alamos, they became an important part of U.S. strategy aimed at bringing an end to World War II.

Little boy : Hiroshima



Fission uranium-235  
Weight : 4400 kg  
Power : 15,000 tons of TNT

Fat Man : Nagasaki



Fission plutonium-239  
Weight: 4535 kg  
Power : 21,000 tonnes de TNT

- The Manhattan Project was supposed to be top secret
  - Soviet spies penetrated the secure site at least 3 times
    - Soviets gained a lot of information on the project
      - Doing so against his “allies” during the war against Germany indicated the level of mistrust that existed between the Soviet Union and the United States
- President Franklin D. Roosevelt and later President Harry S. Truman decided to keep the project secret from Stalin to begin with (U.S. mistrust?)
  - At the Potsdam Conference Truman told Stalin of the successful bomb test
    - Stalin already knew due to his spies on site in Los Alamos
- U.S. use of the bomb on Japan caused Stalin to call for a Soviet nuclear program to catch up with the United States
  - He needed to restore the “balance of power”
    - Stalin feared the U.S. would use the bomb to force the Soviet Union to concede to a U.S. version of a restored Europe and world.
    - He took a more hardline position on Soviet objectives

# Different Postwar Settlement Visions

## The United States:

- Balance power/embrace principles
- Ensure cooperation among the great powers
- League of Nations to become United Nations
  - Collective security org.
  - Maximum political self-determination
- Bring an end to causes of war

## The Soviet Union:

- Secure Stalin's own security as well as the security of the Soviet Union
- Encourage rivalries among capitalist nations
  - Bring about war between them
    - Ensure Soviet domination of Europe

**They SHOULD Be Shot—the DOGS!**

Berlin, Germany.—(AP)—The mayor of a small upper-Saxony town found something had to be done about poaching dogs. So he had signs put up, warning dog owners "Those, who have dogs and run around without leashes, will be shot."

A critical citizen said it should be made clear that the dogs would be shot, and not the owners. The mayor had the sign changed to read: "Those, who have dogs and run around without leashes, will be shot—the dogs."

# THE DEMOCRAT

AND LEADER

Weather

Fair and warmer Saturday.  
(See page 21 for details.)

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## RUSSIA HAS ATOMIC BOMB!

### U. S. Learns of Recent Explosion, President Discloses Pentagon Shows Excitement, But Officials Mum

#### Bargaining In Steel Resumed

Strike Clouds  
Over Industry  
Are Lightened.

Pittsburgh.—(AP)—Big Steel and the CIO United Steelworkers went back to the bargaining table Friday in an effort to settle their insurance-pension war and wipe out the threat of a nationwide strike.

Union Chairman Philip Murray and Vice President John A. Stephens of U. S. Steel corporation got together in Hotel William Penn to resume negotiations under a third presidential strike truce.

Both declined comment as they went into conference behind closed doors. Negotiating terms of 30 to

#### Russ Possession of Bomb Peace Threat, Congressmen Believe

#### ALCOA Fights Bettendorf's Adoption Plan

Prepares for Every  
Legal Step Needed to  
Prevent Annexation.

For the first time Friday the Aluminum Company of America plant east of Bettendorf openly entered into the fight against the city of Bettendorf's plan to annex a large area east of the city.

#### U. S. Still Ahead of Russians

No Reason Seen  
To Believe War  
May Be Nearer.

Washington.—(AP)—The United States has lost its monopoly on atomic weapons but is still four years and many accomplishments ahead of the Russians.

Those are the standout facts in estimates by the best-informed government officials of the impact from Russia's atomic explosion on the balance of power between Russia and the United States.

State department officials generally took the line that they did not believe the danger of



JOHNSON QUESTIONED ON ATOM BLAST—Secretary of Defense Louis Johnson, (right) holds his jaw as he is questioned by white house newsmen after leaving a cabinet meeting Friday at which President Truman

#### Details on Blast in USSR Not Revealed; Vishinsky Urges Pact

No Change Made in Disposition of  
American Forces, Johnson Declares;  
Political Repercussions Expected.

New York.—(AP)—Soviet Foreign Minister Andrei V. Vishinsky called on the Big Five powers Friday to conclude a peace pact among themselves.

He made no mention of an atomic explosion in the Soviet Union in his general policy address to the United Nations assembly.

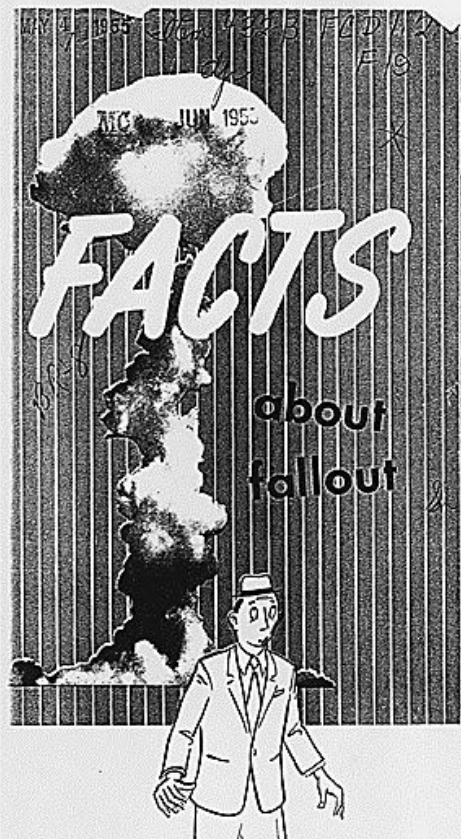
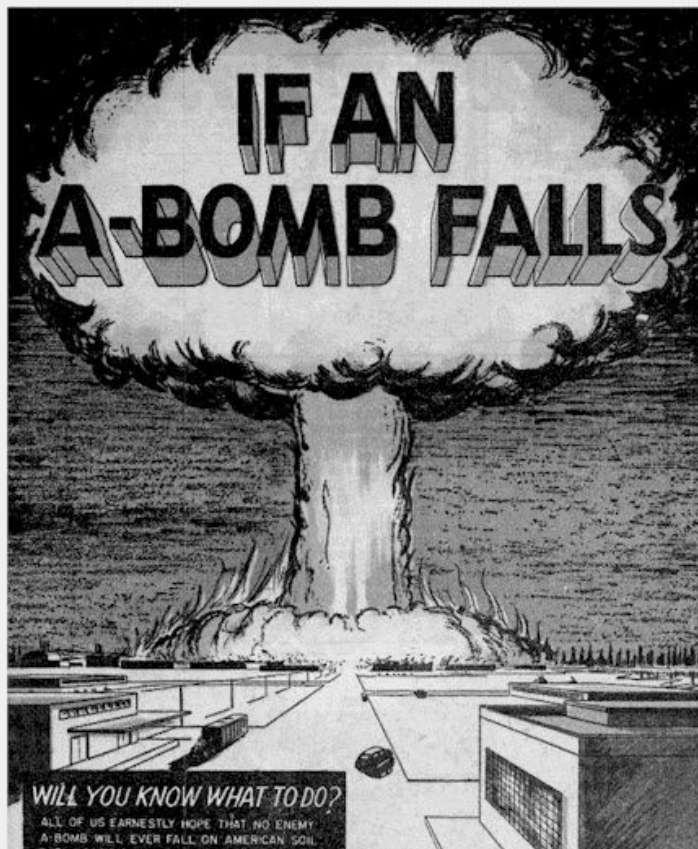
Vishinsky preferred his peace proposal with his usual staccato attack on the western powers.

He charged the United States and Britain are leading plans for an aggressive war.

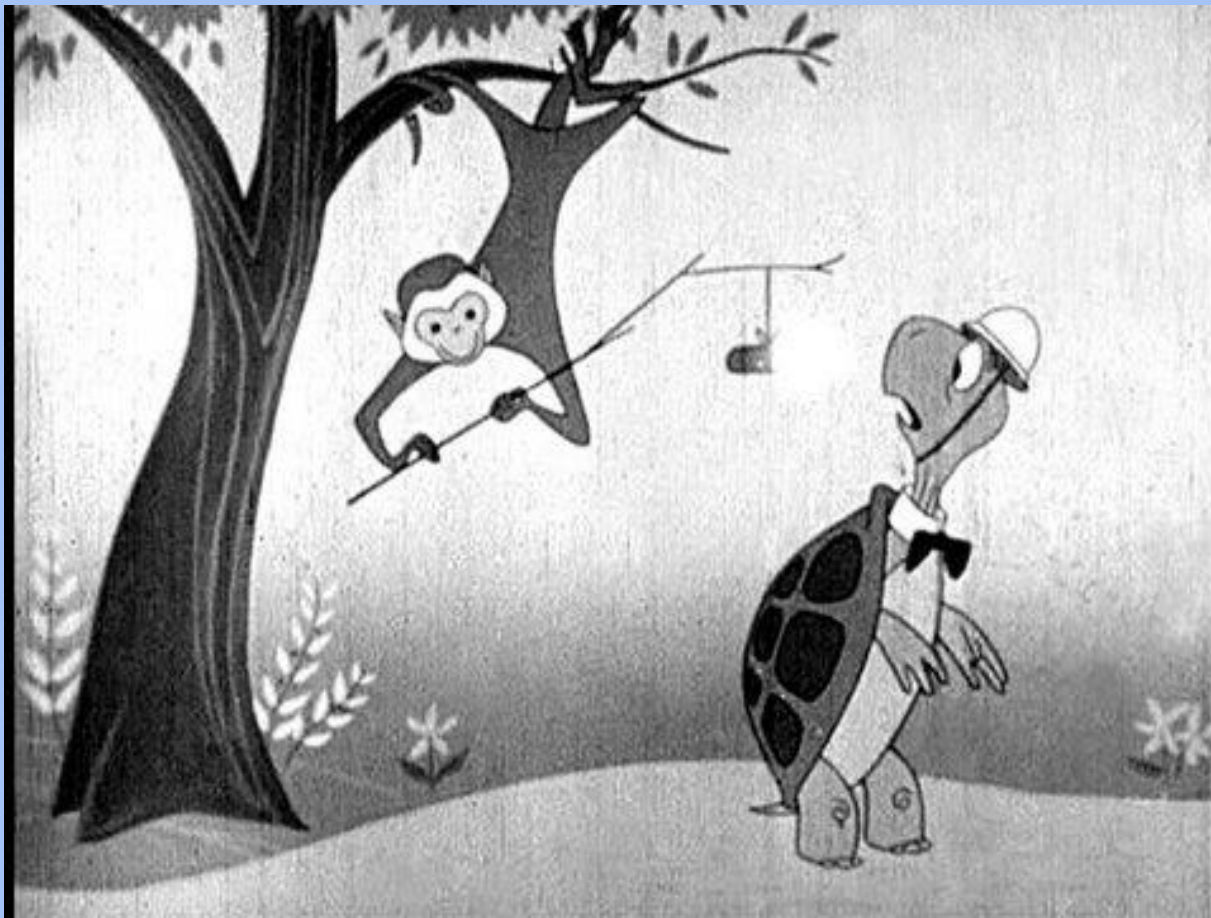
Washington.—(AP)—The United States has evidence of a recent atomic explosion in Russia—news indicating the Communists at long last have learned to make an A-bomb.

President Truman disclosed this in a statement Friday. He then held an hour-long session with his cabinet about it.

Mr. Truman said the development emphasized the necessity for "truly effective, enforceable, international control of atomic energy."







Duck And Cover (1951) Bert The Turtle