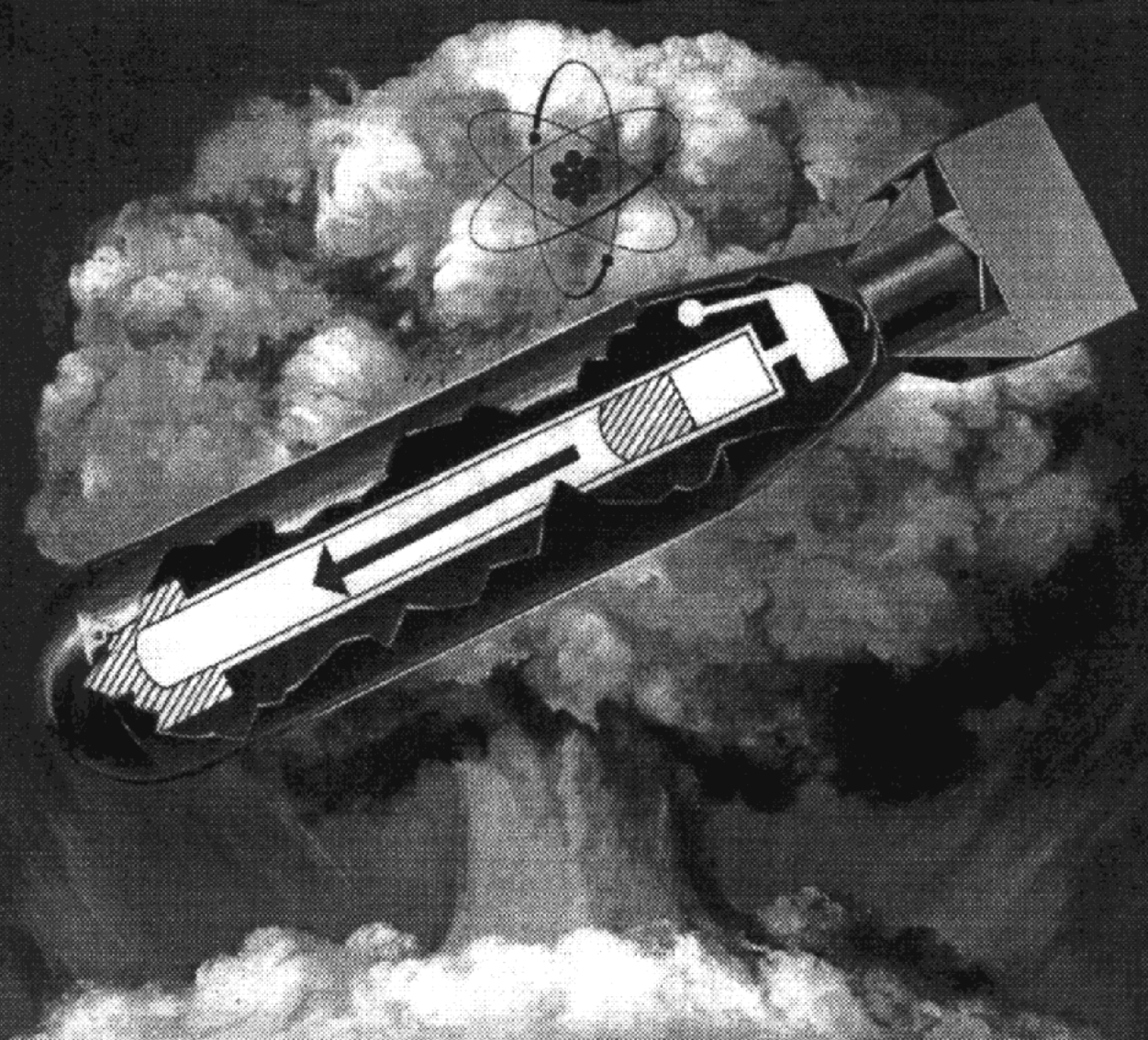


THE ILLUSTRATED STORY OF  
THE  
**ATOM BOMB**

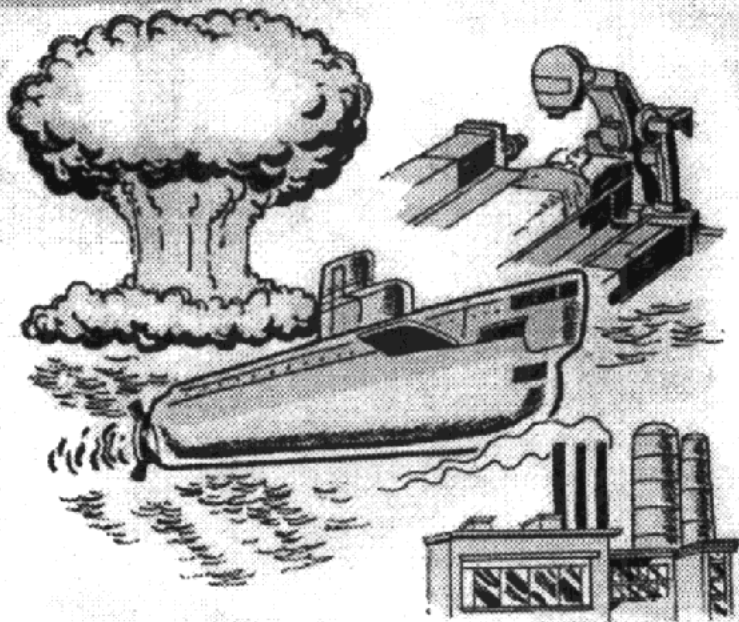


## THE ATOM -FRIEND OR FOE?

Within the tiny atom lies a tremendous power. This power first entered the modern world as a means of destruction, unleashing a terrible fury on countless thousands.

But like any great force, the atom can also be used to serve man. Atomic power plants provide clean, dependable energy. Nuclear-powered submarines glide beneath the North Pole. Numerous lives are saved by radiation treatment. And radio-isotopes analyze soil, plants, and animals to help increase food production around the world.

How did we first harness this amazing power? Let's go back in time to find out...



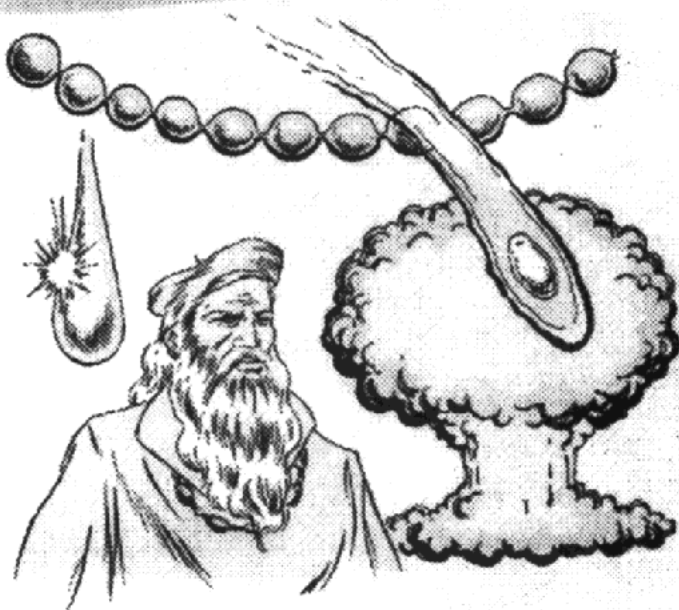
## ATOMIC FACTS: *Stranger Than Fiction!*

-If you wanted to make a necklace of atoms 25 inches long, and strung them together at the rate of one atom per second, it would take over 200 years to complete the strand.

-A drop of water contains 6,000,000,000,000,000,000 atoms.

-There are 25,000,000,000,000,000,000 atoms in a breath of air.

-Atoms travel all around the world and even through outer space. With each breath you inhale atoms that were once a part of great men such as Leonardo da Vinci, celestial objects such as Halley's Comet, and nuclear explosions such as the Trinity Test.



THE YEAR IS 1939. THE FREE WORLD WATCHES WITH GROWING ALARM AS THE SHADOW OF NAZI GERMANY SPREADS ACROSS EUROPE, LED BY THE MAN WHO WILL ONE DAY BE KNOWN AS HISTORY'S GREATEST VILLAIN.



IN JANUARY, THE GREAT DANISH PHYSICIST NIELS BOHR COMES TO WASHINGTON, D.C.

THE GERMANS HAVE SPLIT THE ATOM!



IF HITLER BUILDS AN ATOM BOMB, NOTHING WILL STOP HIM!

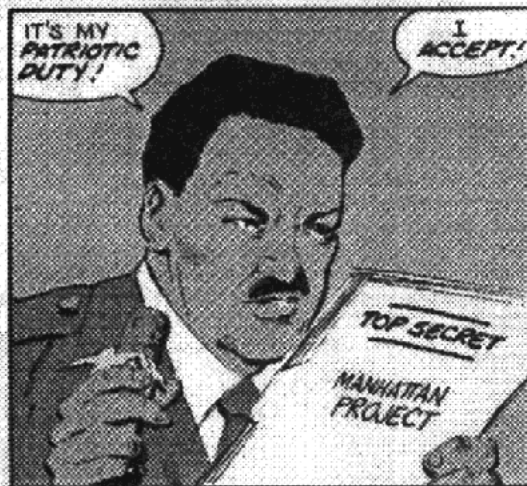
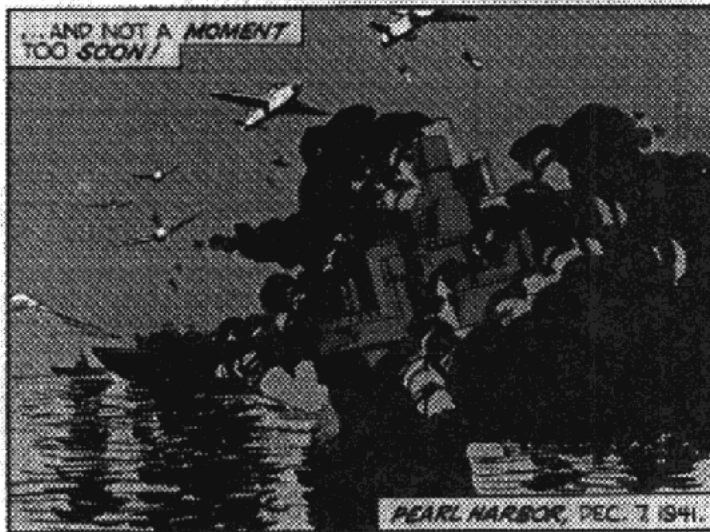
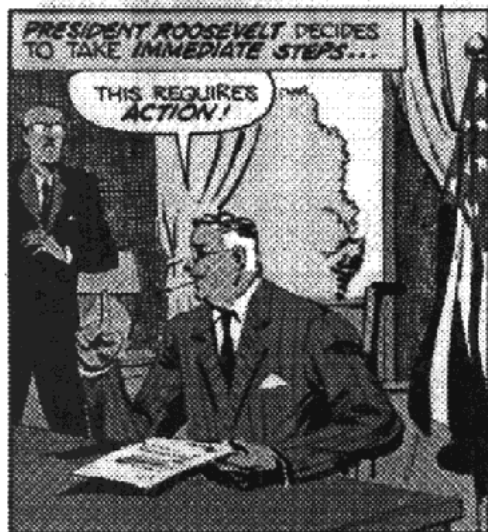
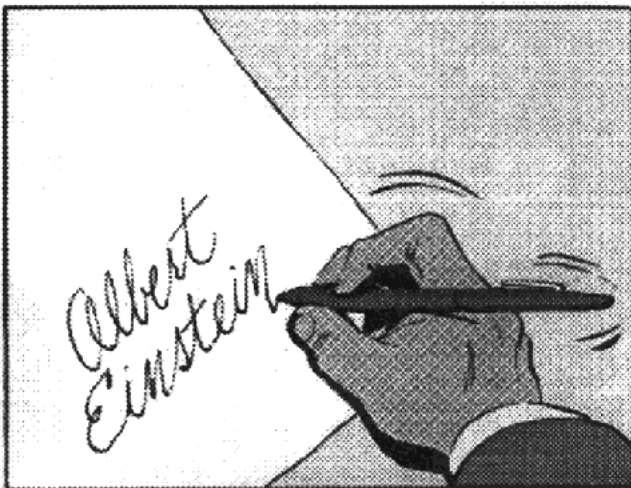
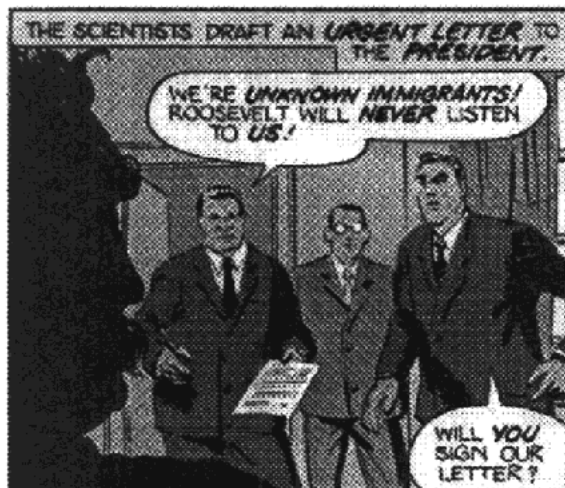
THE WORLD WILL BE PLUNGED INTO A THOUSAND YEARS OF DARKNESS!



WE MUST BE THE FIRST!







ON DECEMBER 2, 1942, SCIENTISTS AT THE UNIVERSITY OF CHICAGO, LED BY ENRICO FERMI, PRODUCE THE WORLD'S FIRST ATOMIC CHAIN REACTION.

THE REACTION IS SELF-SUSTAINING!

IT WORKS!

NOW WE CAN MAKE NUCLEAR FUEL FOR THE BOMB!

A SECRET LABORATORY IS SET UP IN THE MOUNTAINS OF NEW MEXICO TO DESIGN AND BUILD THE NEW WEAPON.

I'LL GET YOU ANYTHING YOU NEED, MEN! MONEY! MATERIALS! WILL YOU DO IT?

DR. J. ROBERT OPPENHEIMER BECOMES DIRECTOR OF LOS ALAMOS.

IT'S MY PATRIOTIC DUTY! I ACCEPT!



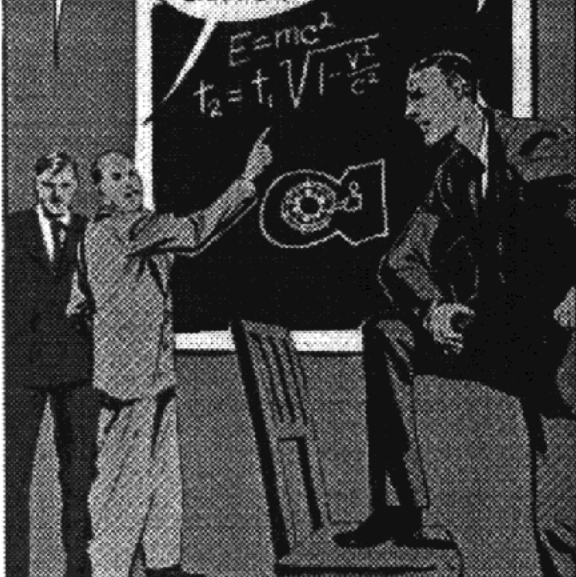
OPPENHEIMER AND HIS FELLOW SCIENTISTS WORK LONG AND HARD TO MAKE THE ATOM BOMB A REALITY.

PLUTONIUM WILL MAKE A BIGGER EXPLOSION!

IT'LL NEVER WORK! LET'S STICK WITH URANIUM!

THERE'S NO TIME TO ARGUE! TRY BOTH!

$$E=mc^2$$
$$t_2 = t_1 \sqrt{1 - \frac{v^2}{c^2}}$$



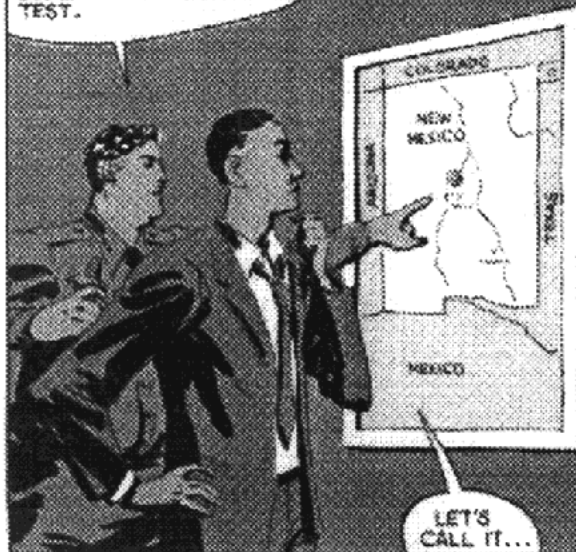
OPPIE, DID YOU HEAR THE NEWS?

NOT NOW, KITTY! WE'RE SO CLOSE!



AFTER TWO YEARS, THE BOMB IS ALMOST READY.

HERE'S AN ISOLATED PLACE, BUT WE STILL NEED A CODE-NAME FOR THE TEST.



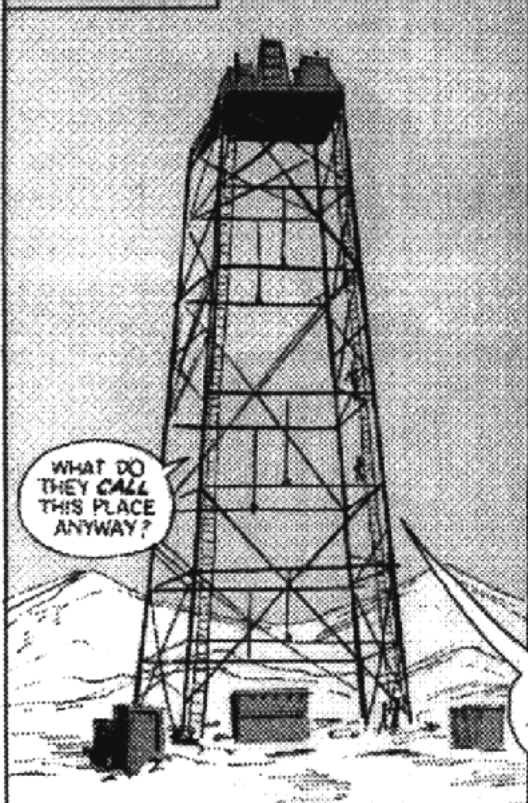
LET'S CALL IT...

...TRINITY!





A 100-FOOT STEEL TOWER IS ERECTED IN THE NEW MEXICO DESERT, MILES FROM THE NEAREST TOWN.



WHAT DO THEY CALL THIS PLACE ANYWAY?

"JORNADA DEL MUERTO"  
--THE JOURNEY OF DEATH!

THE "GADGET" IS IN A SHACK AT THE TOP OF THE TOWER.



FINAL ASSEMBLY TAKES PLACE IN A DESERTED RANCH HOUSE NEARBY.



HAND ME THAT SCREWDRIVER.

IT'LL NEVER WORK!

IN THE PRE-DAWN HOURS OF JULY 16, 1945, V.I.P.s FROM ALL OVER THE COUNTRY GATHER ON A HILLSIDE TWENTY MILES FROM THE TOWER.

THIS *SUNTAN* LOTION WILL PROTECT US FROM ATOMIC RAYS!

I MUST BE ALERT. THE RUSSIANS WILL WANT A DETAILED ACCOUNT.

KEY PERSONNEL HIDE IN AN UNDERGROUND BUNKER, ONLY FIVE MILES SOUTH OF "GROUND ZERO."

KEEP THOSE JEEPS RUNNING! IF THE ATMOSPHERE CATCHES FIRE, WE'LL HAVE TO GET OUT OF HERE FAST!

THE TENSION IS ALMOST UNBEARABLE.

ZERO MINUS TWENTY MINUTES!

KEEP AN EYE ON HIM!

FOUR...

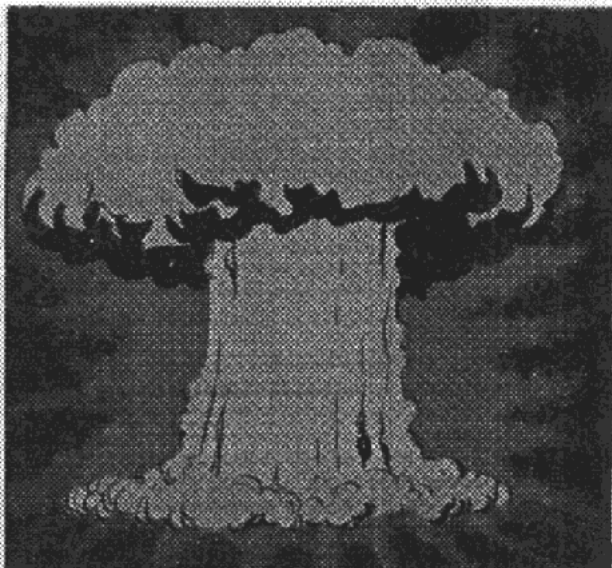
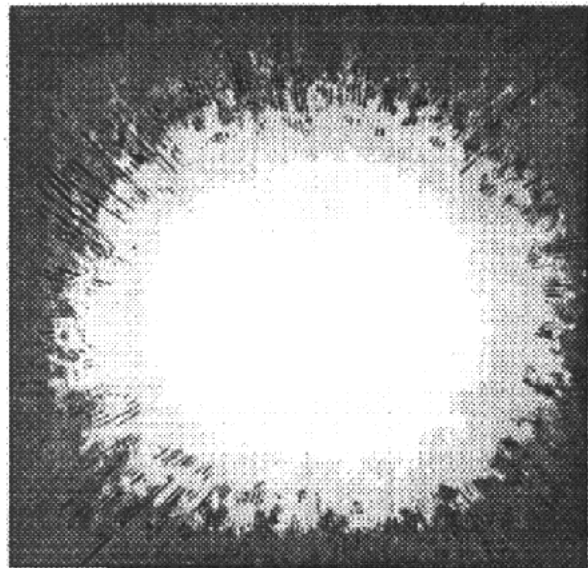
THREE...

TWO...

ONE...

ZERO!!





ON AUGUST 6, 1945, AN AMERICAN B-29 BOMBER EXACTS A TERRIBLE VENGEANCE ON THE CITY OF HIROSHIMA.

BOMB AWAY!



IT... IT'S MY PATRIOTIC DUTY.



NAGASAKI MEETS THE SAME FATE THREE DAYS LATER.

I HEAR AN AIRPLANE.



IT IS A HARNESSING OF THE BASIC POWER OF THE UNIVERSE!

TRUMAN ADDRESSES THE WORLD AFTER V-J DAY

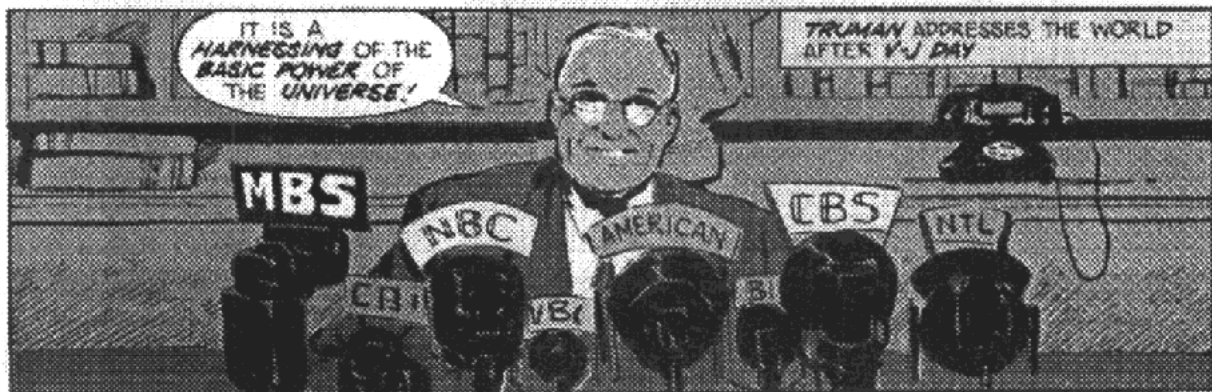
MBS

NBC

AMERICAN

CBS

NTL



BUT THE AMERICAN MONOPOLY  
ON A-BOMBS IS SHORT-LIVED.

READY TO  
TEST,  
COMRADE!

OUR SPIES  
DID THEIR  
JOB WELL!

ЭТО НИКОГДА  
НЕ ВЫДЕТ.\*

"IT'LL  
NEVER WORK."

AMERICA IS SHOCKED BY THE NEWS

THE WORLD WILL  
BE PLUNGED INTO A  
THOUSAND YEARS  
OF DARKNESS!

OUR NATIONAL  
SECURITY IS IN  
JEOPARDY!

REDS EXPLODE  
A-BOMB

BUT DR. EDWARD TELLER IS A MAN  
WITH A VISION.

IF WE FIND A WAY TO FUSE  
HYDROGEN, WE CAN BUILD  
A SUPER-BOMB!

$$E=mc^2$$
$$t_0 = t_1 \sqrt{1 - \frac{v^2}{c^2}}$$
$$2_1H + 2_0n^1 \rightarrow 2_2He^4$$

IMPOSSIBLE!

IT WOULD  
REQUIRE A  
TEMPERATURE  
OF MILLIONS  
OF DEGREES.

I CAN PROVIDE  
SUCH TEMPERA-  
TURES!



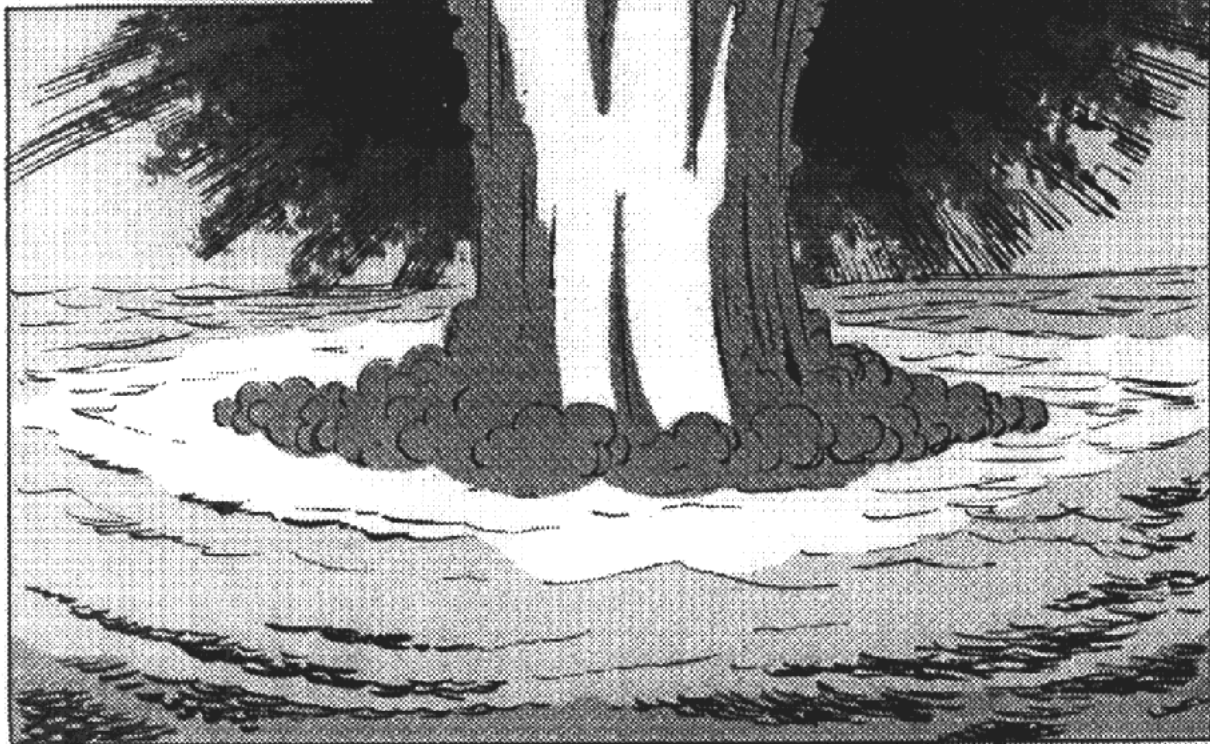
NOVEMBER 1, 1952. ON A  
REMOTE ISLAND IN THE  
SOUTH PACIFIC...

IT'S ALL  
SET TO  
GO!

LET'S GET  
OUT OF  
HERE!

IT'LL  
NEVER  
WORK!

...TELLER'S H-BOMB IS BORN.



TODAY, UNDERGROUND TESTS  
HELP US TO BUILD MORE AND  
BETTER NUCLEAR WEAPONS.

OUR SCIENTIFIC KNOW-HOW HELPS US TO DEFEND THE FREE WORLD  
BEHIND AN ORBITING "UMBRELLA" OF HIGH TECHNOLOGY.

FOUR... THREE...  
TWO... ONE...

WE COULD  
INTERCEPT AND  
DESTROY STRATEGIC  
BALLISTIC MISSILES  
BEFORE THEY REACHED  
OUR OWN SOIL.

"WE COULD INTERCEPT  
AND DESTROY STRATEGIC  
BALLISTIC MISSILES  
BEFORE THEY REACHED  
OUR OWN SOIL."

$$E=mc^2$$
$$t_2=t_1\sqrt{1-\frac{v^2}{c^2}}$$

IT'LL NEVER  
WORK!

NOW THAT AMERICA'S NEW *SPACE DEFENSE SYSTEM* IS IN PLACE, THE ENTIRE PLANET IS *SAFE* FROM THE *THREAT OF ATOMIC WAR*.



OUR CHILDREN CAN LIVE *SECURE* IN THE KNOWLEDGE THAT THESE *THOUSANDS* AND *THOUSANDS* OF *OBsolete* MISSILES, BUILT IN THE OLD DAYS OF *MUTUAL FEAR* AND *DISTRUST*, WILL NEVER NEED TO BE USED!



THE  
END