

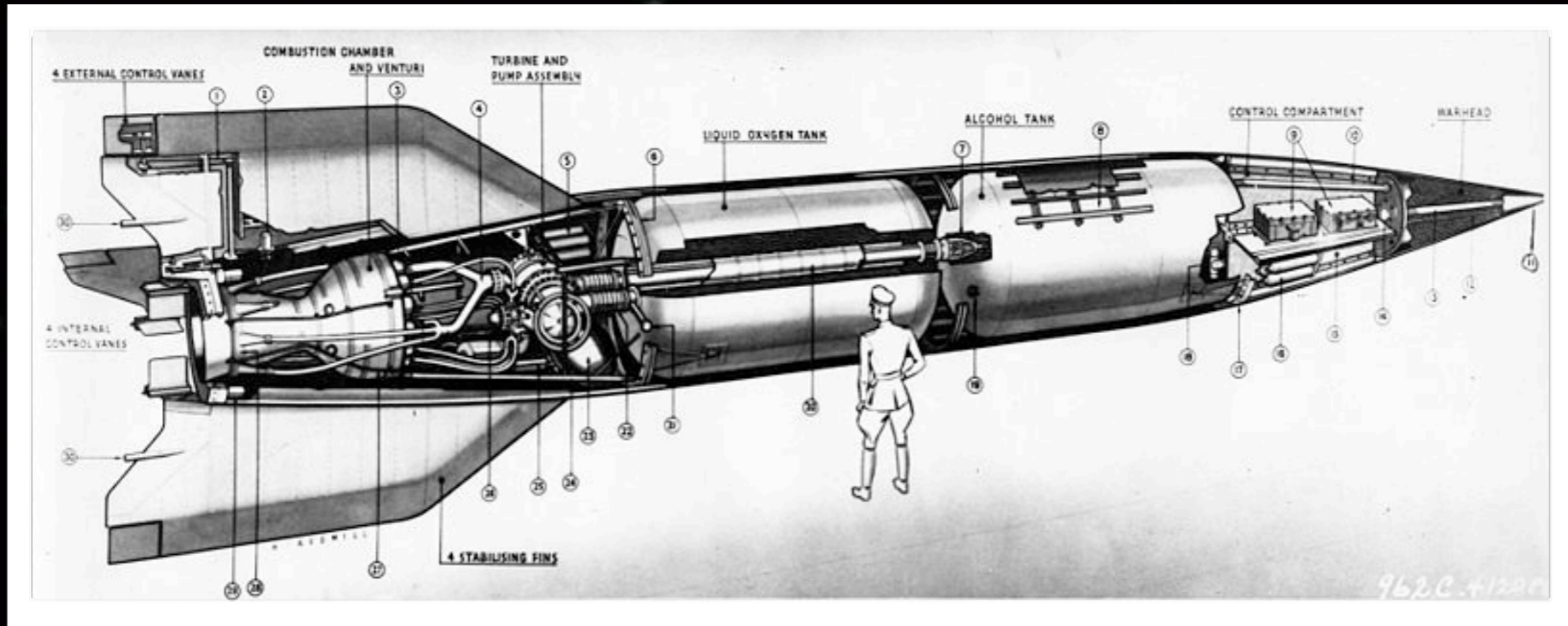
# Space

## Learning Objective:

To find out about the early years of space exploration from 1940 to 1970.

Until the mid-20th century, the only way of exploring space was through a telescope.

However, World War II forced certain countries to make advancements in the speed, power and safety of rockets and aircrafts which finally made it possible for people to start sending aircrafts into space.

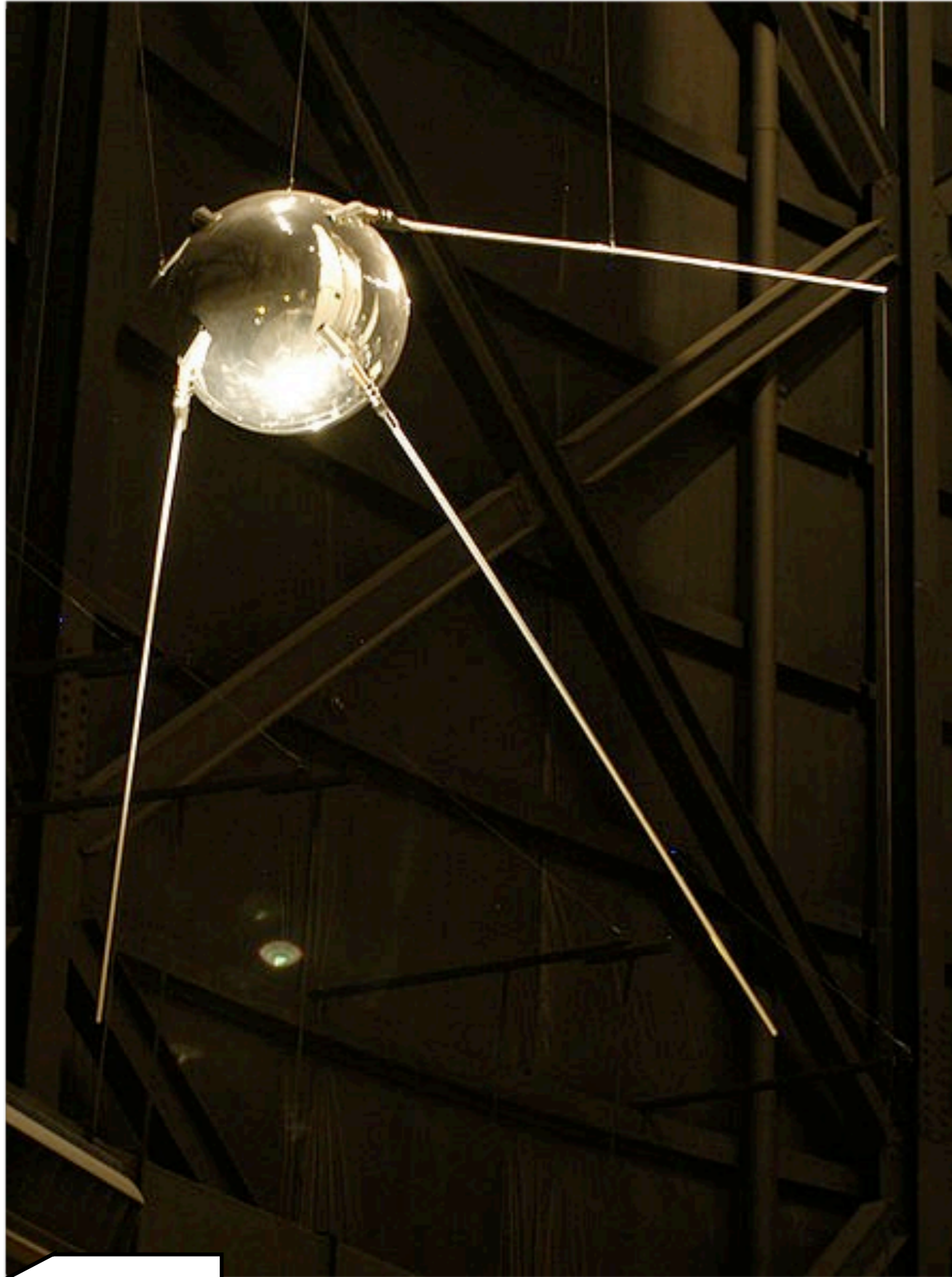


A diagram of a US V-2 rocket from WW2

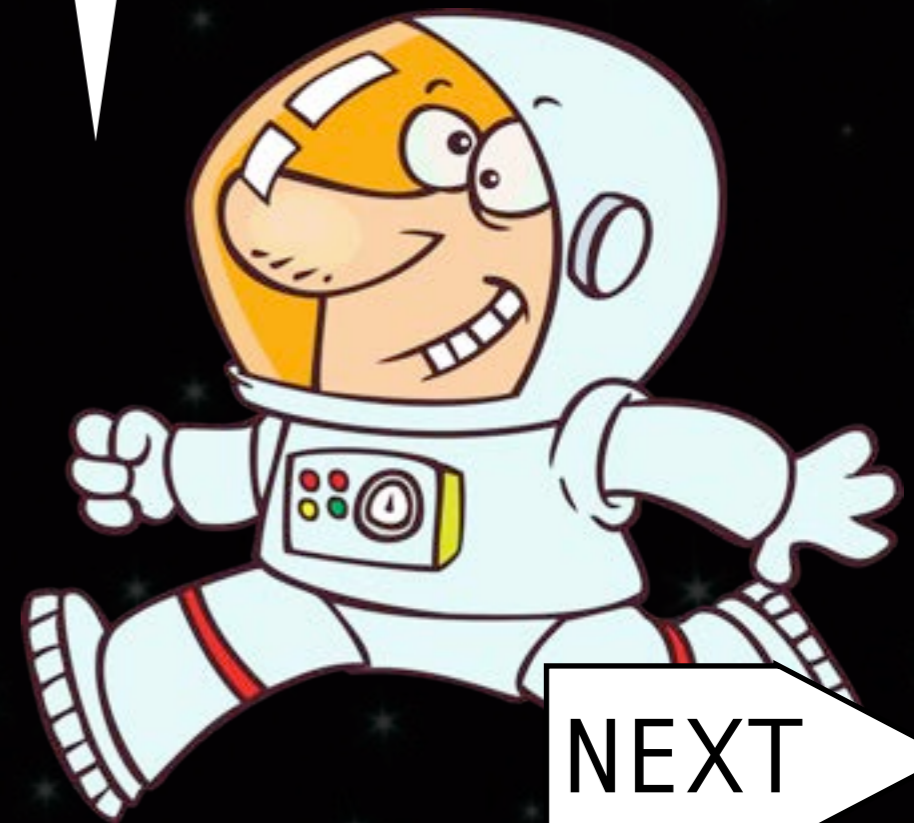
BACK

NEXT





Do you know  
what this  
picture is  
showing and why  
this object is  
important?



BACK

NEXT



This is Sputnik 1. Sputnik was the first artificial satellite to ever orbit the earth. It was launched by the Soviet Union on 4th October 1957. The word 'sputnik' means 'satellite' in English.

The launch and success of Sputnik 1 sparked anger in the United States who had, until then, believed themselves to be the front-runners in space exploration. This led to a 'Space Race' over the next few decades, with both the Soviet Union and the USA competing to see which country could make the most impressive advancements and discoveries. Both countries wanted desperately to be the first to land a man on the moon.

BACK

NEXT

# The Space Race Timeline



4th October 1957  
Sputnik 1 launched



3rd November 1957  
Laika the dog becomes the first animal in space



3rd November 1957  
First communications satellite sent into space



2nd January 1959  
Luna 1 is first artificial satellite to orbit the sun



12th September 1959  
Luna 2 is first man-made object to impact the moon

BACK

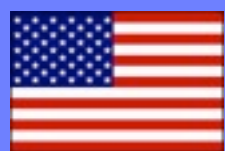
NEXT





1st April 1960

First weather satellite is launched



18th August 1960

First camera-equipped spy satellite launched



12th April 1961

Yuri Gagarin becomes first man in space and orbits the earth once



16th June 1963

Valentina Tereshkova becomes first woman in space



31st July 1964

Ranger 7 transmits first close range images of the moon



18th March 1965

Alexei Leonov spends 12 minutes outside his spacecraft and performs first spacewalk

BACK

NEXT



14th July 1965

Mariner 4 returns close range images of Mars



1st March 1966

A probe lands on another planet (Venus) for the first time



14th August 1966

First picture of the earth taken from orbit of the moon



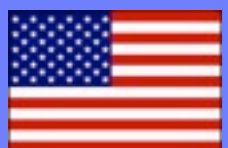
18th October 1967

Venera 4 transmits data about the atmosphere of Venus



21st December 1968

First manned journey from earth to the moon.  
Broadcast Bible reading from space on Christmas Eve

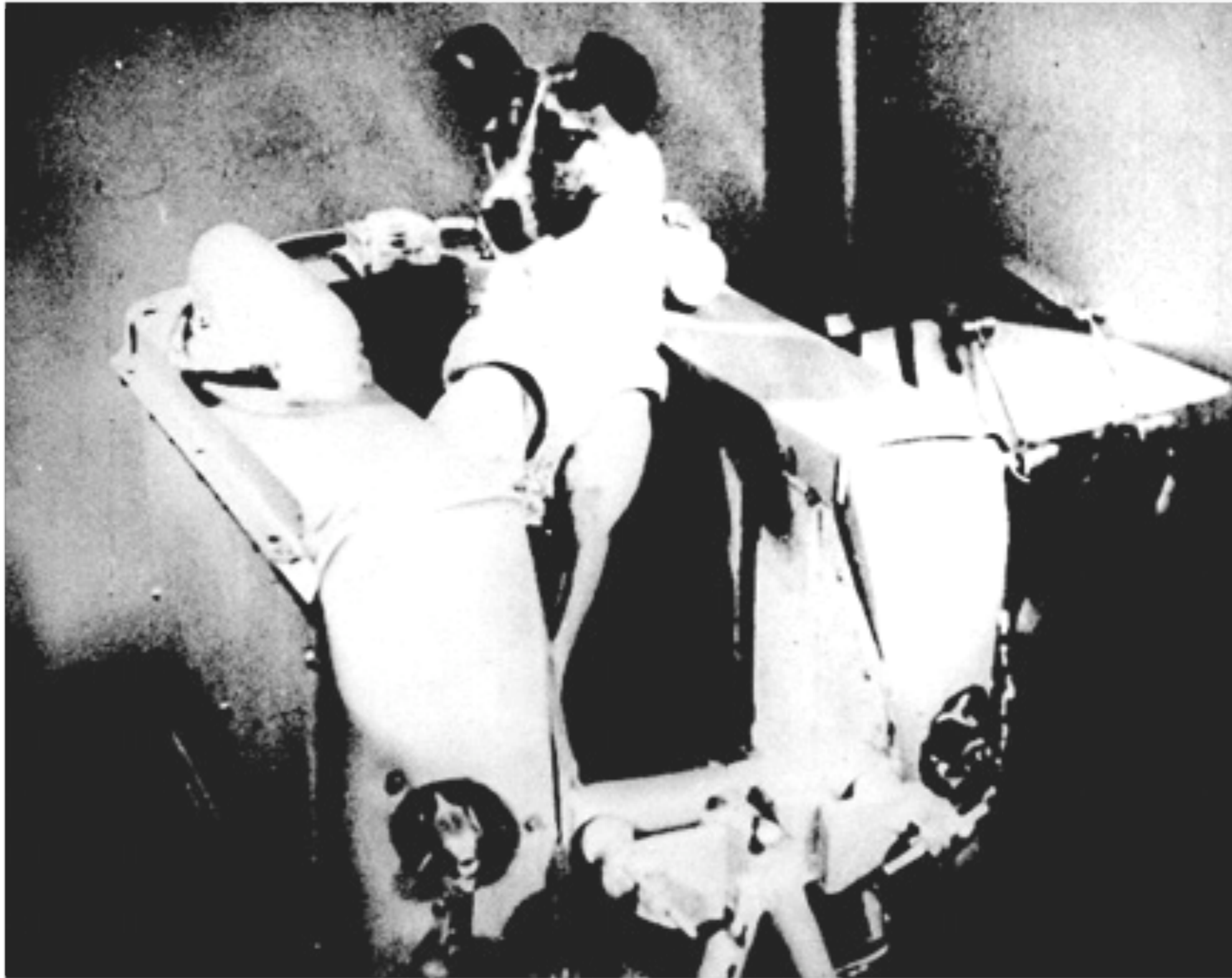


20th July 1969

Neil Armstrong becomes the first man to walk on the moon

BACK

NEXT



Laika, the first animal in  
space

[www.planbee.com](http://www.planbee.com)

BACK

NEXT





Yuri Gagarin, the first man  
in space

[www.planbee.com](http://www.planbee.com)

BACK

NEXT





The crew of Apollo 11, the first landing of man on the moon

BACK

NEXT



How do  
you think the  
competition between  
the USA and the USSR  
improved our  
knowledge of  
space?



Think, pair, share  
your ideas.

BACK

NEXT