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Organizer of EWADE 2007



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Photos

50 YEARS OF THE FIRST FLIGHT OF A MAN INTO SPACE – THE PHENOMENON OF THE 12th OF APRIL, 1961

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THE PHENOMENON OF THE 12th OF APRIL, 1961



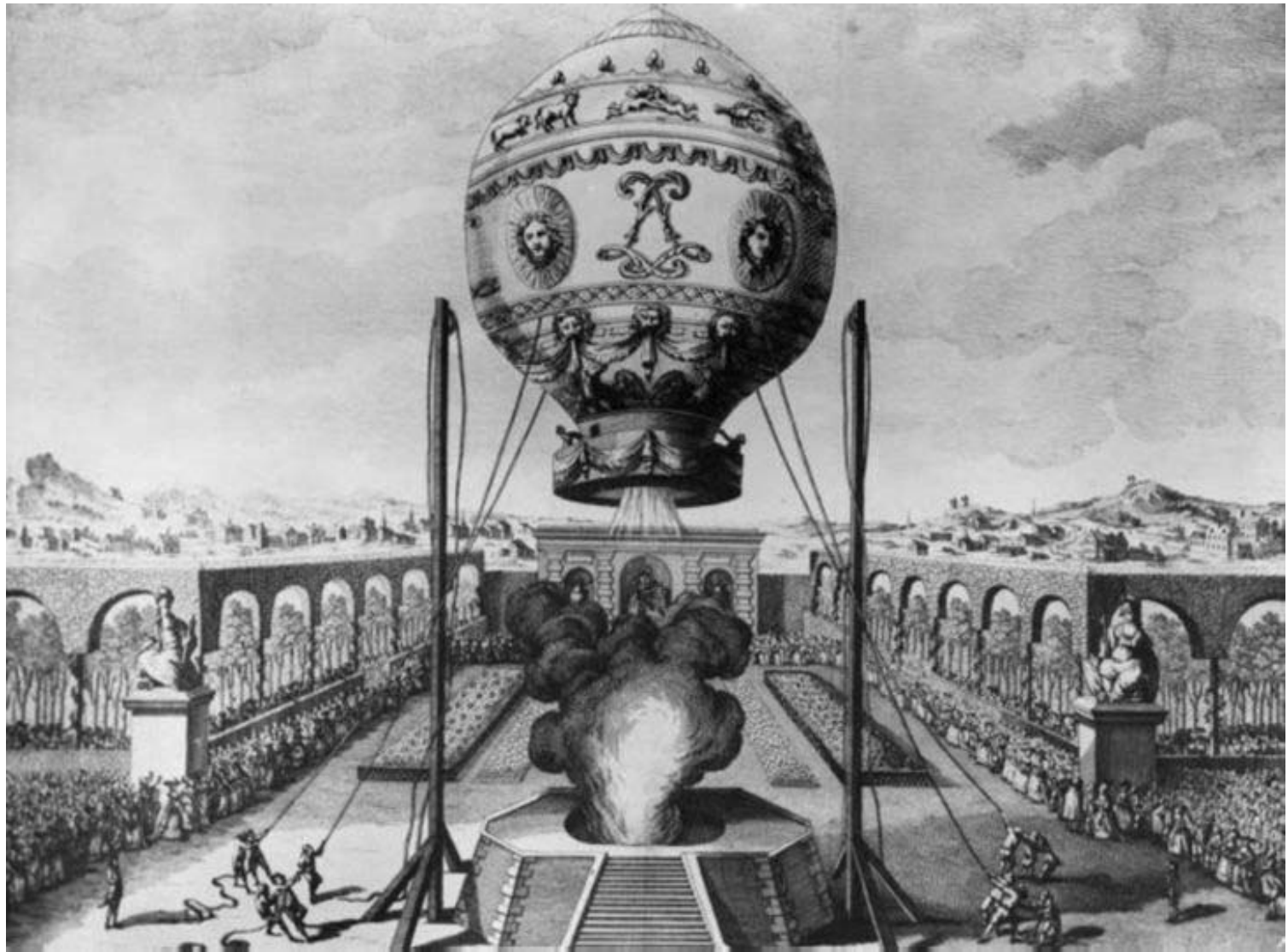
Long road into space



«Astronomic revolution»:

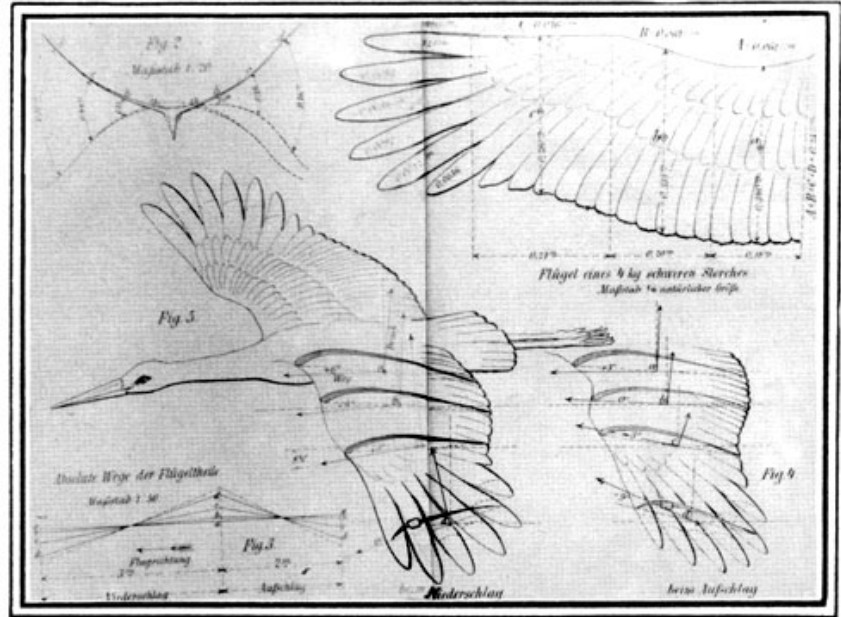
N.Copernicus (1473-1543), G.Bruno (1548-1600),
J.Kepler (1571-1630), Galileo Galilei (1564-1642)
and others

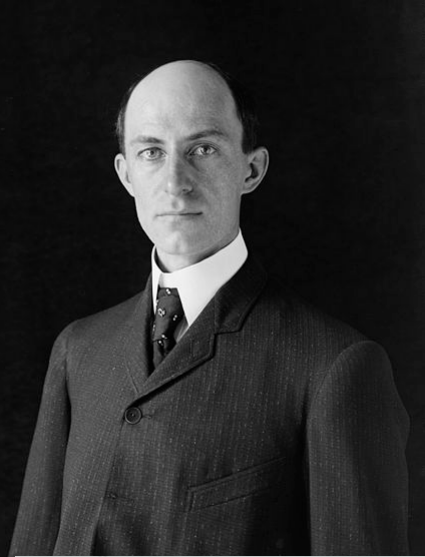




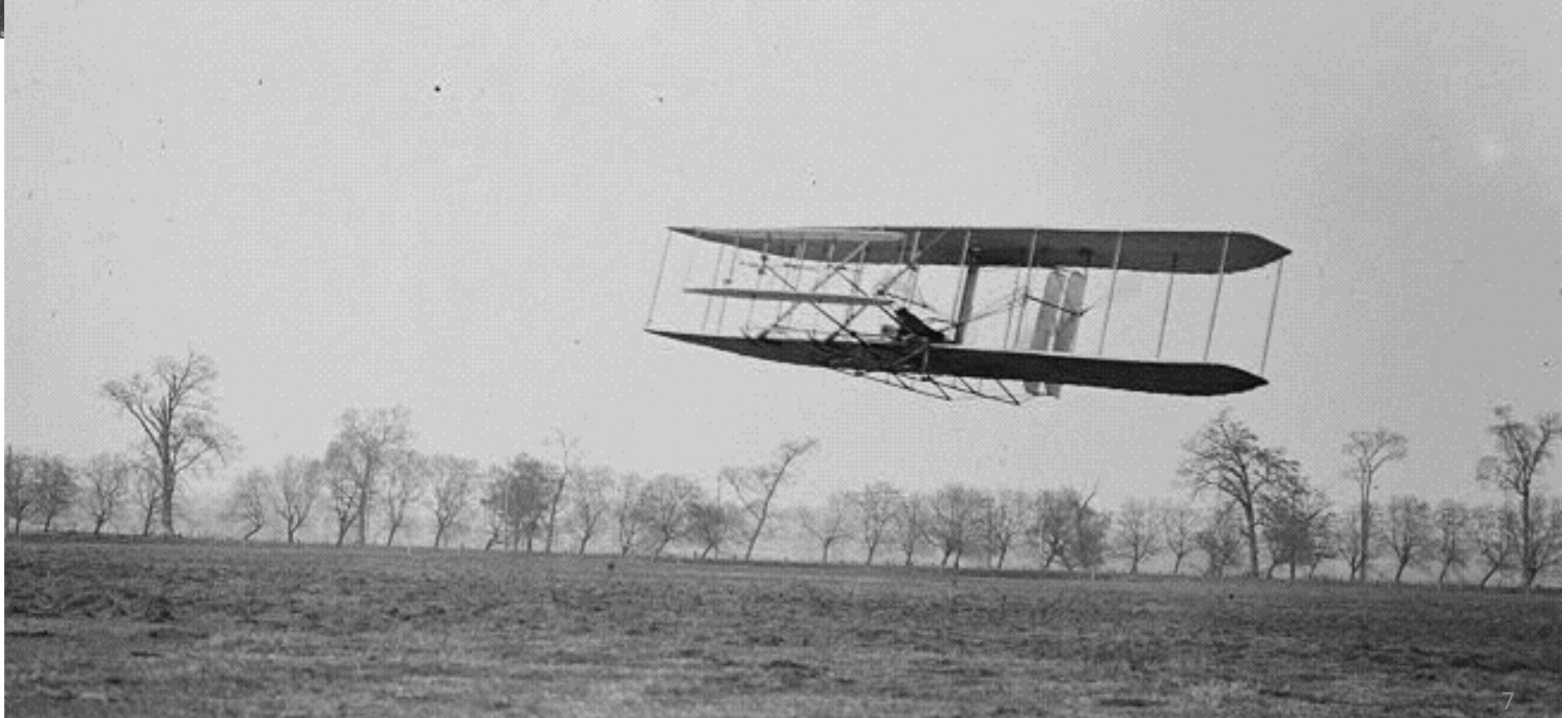
1783 – the [balloon](#) of brothers Montgolfier
which could lift a man

Otto Lilienthal was the first man to make well-documented, repeated, successful gliding flights beginning from 1891

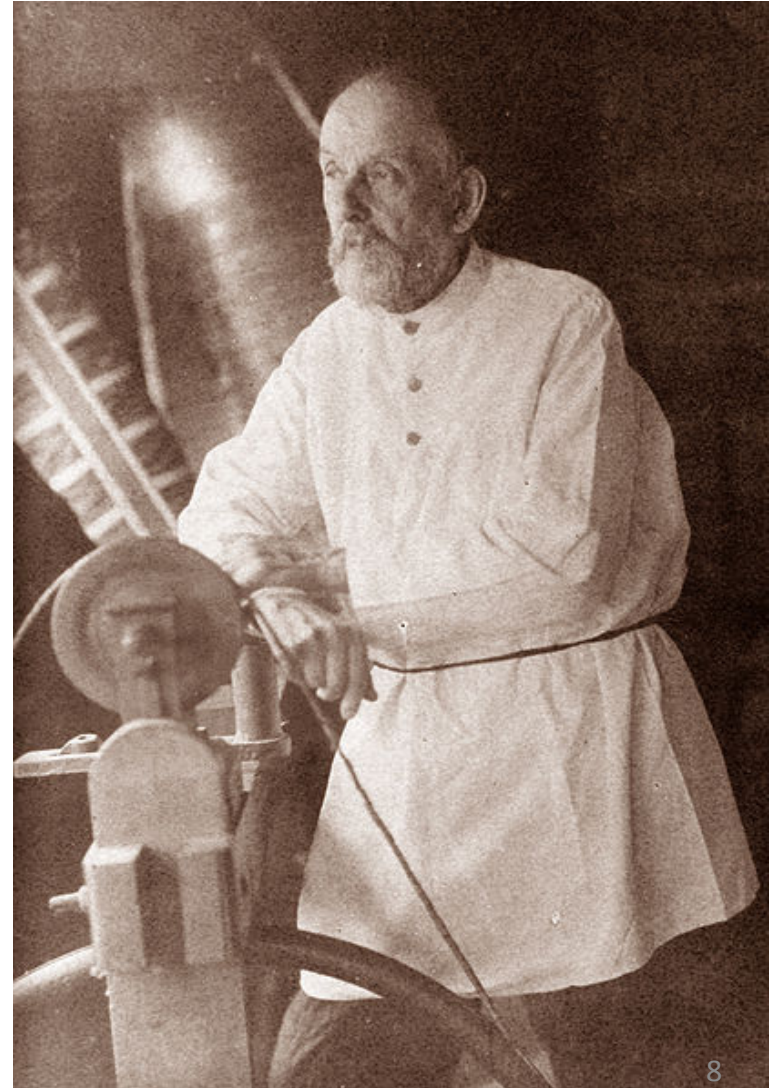
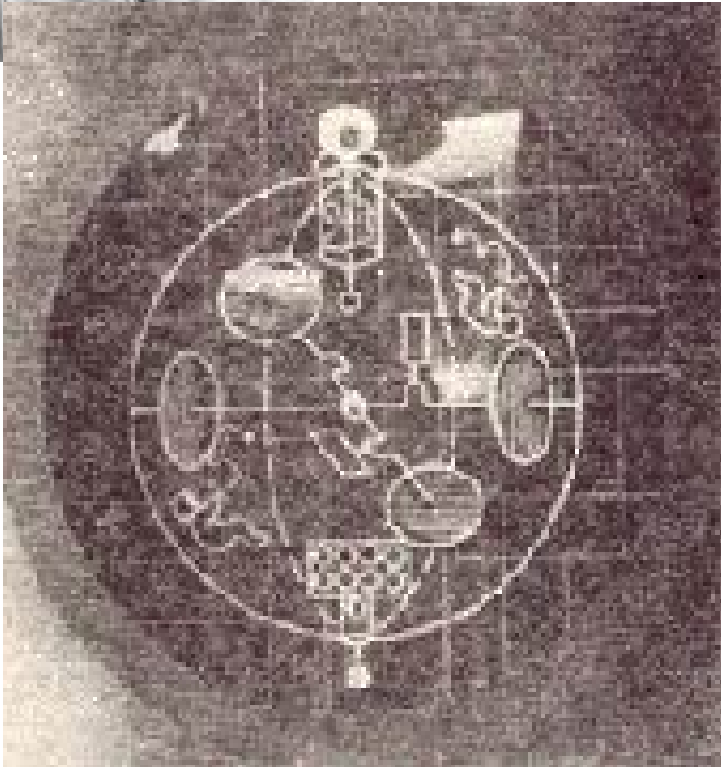
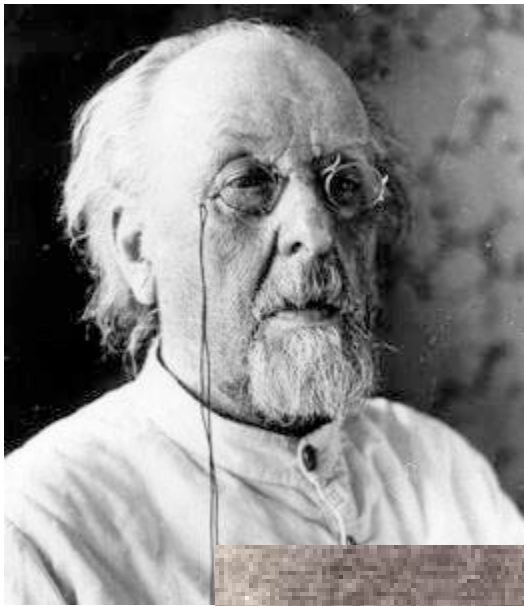




The Wright brothers were two Americans who were credited with inventing and building the world's first successful [airplane](#) and making the first [human flight](#) in 1903



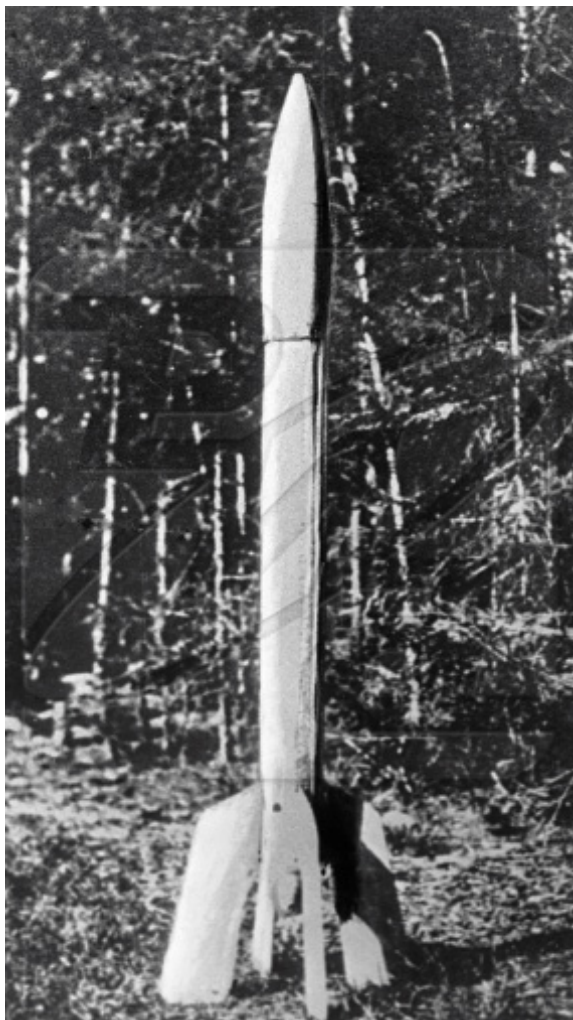
Konstantin Tsiolkovsky (1857-1935) - began to work on the foundations of space flight starting from 1883



Robert Goddard (1882-1945). In 1926 he successfully launched the first rocket with the liquid rocket engine



The firsts Rockers of USSR ГИРД-IX and ГИРД-X. 1933



**Подготовка к запуску ракеты 09.
С.П. Королев, Н.И. Ефремов, Е.М. Матысик.
Нахабино. 1933 г.
РГАНТД. Ф.38 оп.6 д.1.**

Under direction of Vernher von Brown (1912-1977) was developed ballistic missile Fau-2 (V-2)



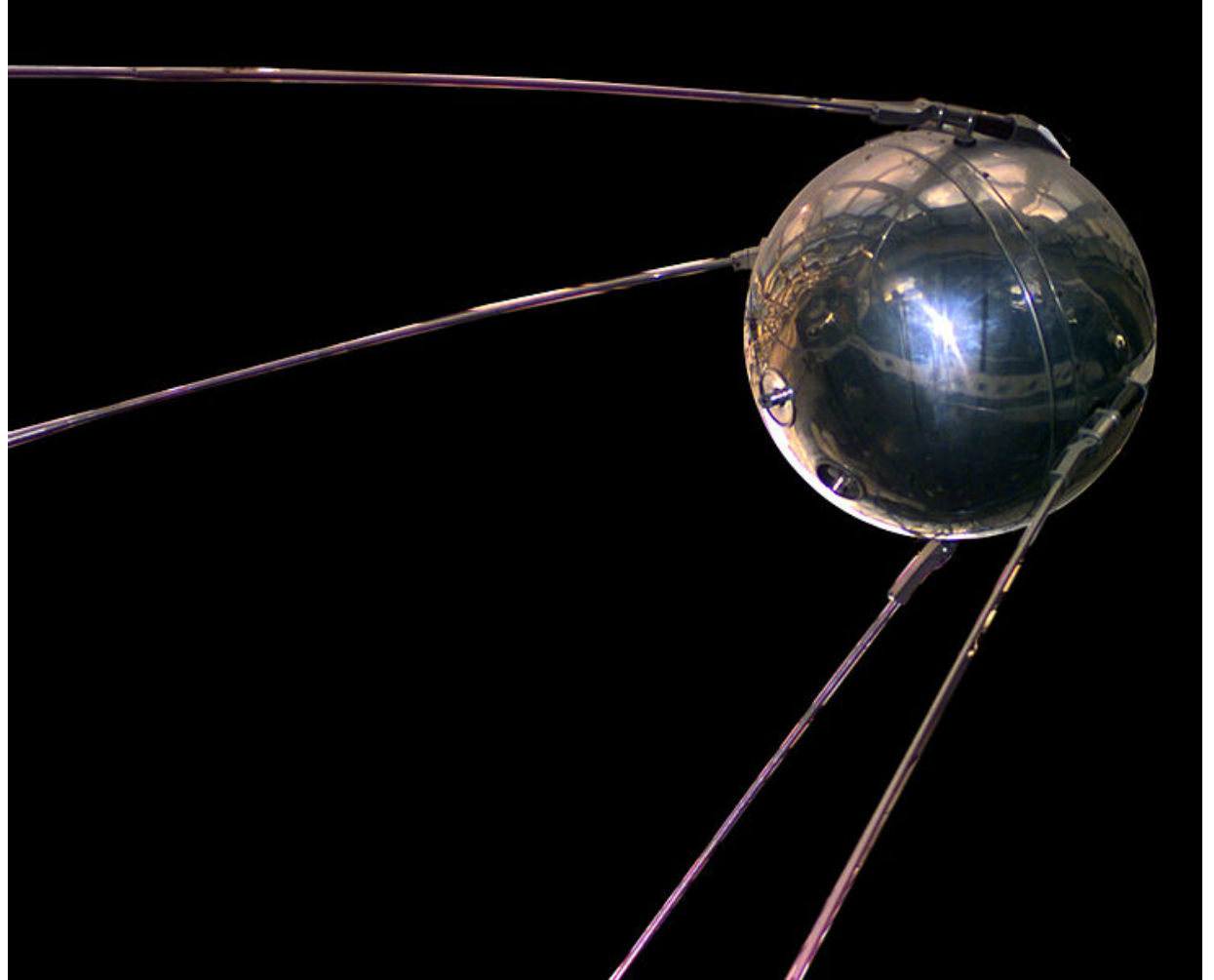
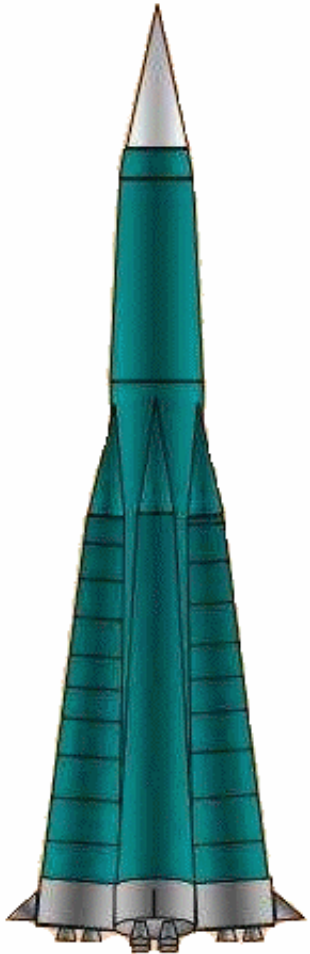
1945-1946. Sergei Korolev was awarded the Badge of Honor, for his work on the development of ballistic rockets



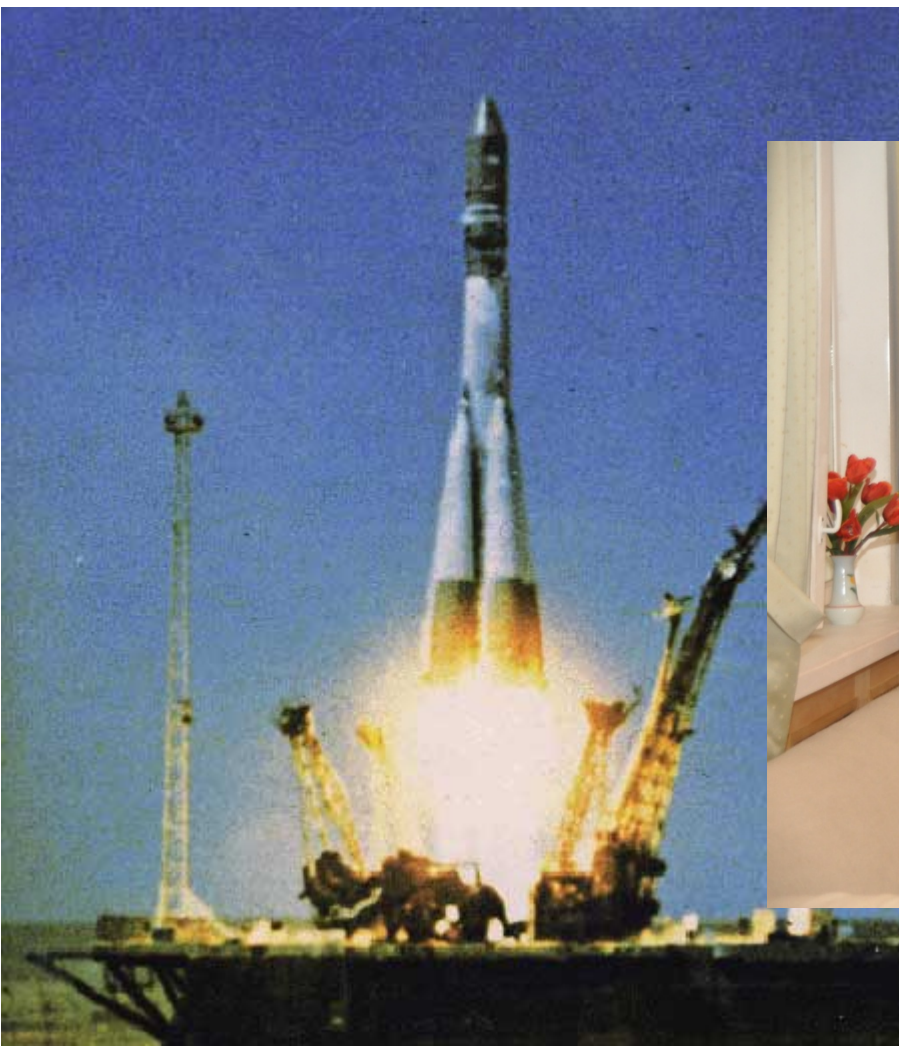
“Подполковник” С.П. Королёв (справа) в Германии, 1946 г.



Soviet of Main Constructors: A.Bogomolov, M.Riazansky, N.Pilugin, S.Korolev, V.Glushko, V.Barmin, V.Kuznezov



On the 4 October 1957, launched on a rocket that had only successfully launched once, the satellite was placed in orbit.



On 15 May 1960 an uncrewed prototype performed 64 orbits of the Earth, but failed to return. Four tests were then sent into orbit carrying dogs, of which the last two were fully successful.



Dogs **Belka** and **Strelka** spent a day in space aboard [Korabl-Sputnik-2](#) (Sputnik 5) on August 19, 1960 before safely returning to Earth.



Candidates of the first space flight:

Yuri Gagarin, German Titov and Grigory Nelubov



S.Korolev and J.Gagarin.
After gaining approval from
the government, a modified
version of the R-7 was used
to launch [Yuri Gagarin](#) into
orbit on 12 April 1961, the first
human in Earth orbit





Gagarin returned to Earth via a parachute after ejecting at an altitude of 7 kilometres



S.Korolev was only ever referred to by the initials of his first two names, SP, or by the mysterious title of "[Chief Designer](#)", or simply "Chief". For those on the space program there was no authority higher.



Juri Gagarin (1934-1968) - was the first human being to journey into [outer space](#), when his [Vostok spacecraft](#) completed an [orbit](#) of the [Earth](#) on April 12, 1961. Gagarin died in 1968 when a [MiG 15](#) training jet he was piloting crashed.



Alan Shepard (1923 –1998) was an [American astronaut](#) who in May, the 5th 1961 became the second person, and the first American, in space. Ten years later, he commanded the [Apollo 14](#) mission, and became the [fifth person to walk on the Moon](#).



Space Shuttle

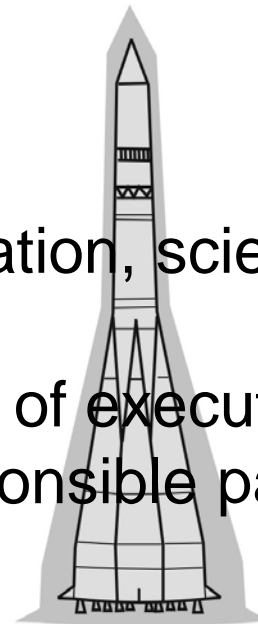


Energia-Buran

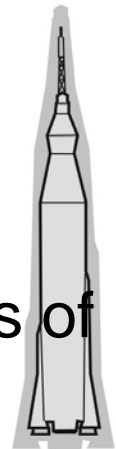
Struggle of two space powers in creation of reusable airspace systems has not also changed the position of leader

10 factors that provided successful exploration of space.

1. The state priority of space program with concentration of all resources.
2. Presence of the authoritative and totalitarian leader of the program.
3. Patriotic spirit of the society.
4. Competition of public systems.
5. Fundamental education.
6. Effective science. 7.
7. Hi-tech manufacture.
8. The balanced interaction of education, science and manufacture.
9. High discipline and responsibility of executors.
10. High personal qualities of all responsible participants of the project.



Ракета-носитель
с космическим кораблем
“Восток” (12.04.1961)



Ракета-носитель “Атлас” с
космическим кораблем
“Меркурий” (20.02.1962)



Dear Sergey!

I received a letter from your friends and I would like not only to notify of the letter delivery, but also to give a detailed answer.

I've read the letter and a newspaper cutting through carefully. I'm really sorry that you are in hospital. But I'm absolutely sure that you will win this hard struggle for life, for your future. Sergey, you should not relinquish the hope of recovery, considering the constant help and support from our medicine, our sympathetic Soviet people who are always ready to help


You probably read the book by Nikolay Ostrovsky . This fearless fighter was in a tight corner many a time! He suffered a great deal of torments! But he always drew the winner. And he didn't stop believing in life. And not only he believed, but he also tried to benefit the society. Nowadays there also live many people who go against the tide and win. So don't give up, Sergey! Believe in the recovery, and you will win to help the society, the people.

I wish you to recover as soon as possible! Be cheerful!

Yours faithfully,

Cosmonaut of the USSR, Yu.Gagarin.





Thank you for attention!
Grazie per la vostra attenzione
Спасибо за внимание