

Konstantin Tsiolkovsky, the Grandfather of Russian Space Science



17/ IX - 1857 - 19/ IX 1935

Kaluga in the beginning of the XXth century



This strange crack-pot...

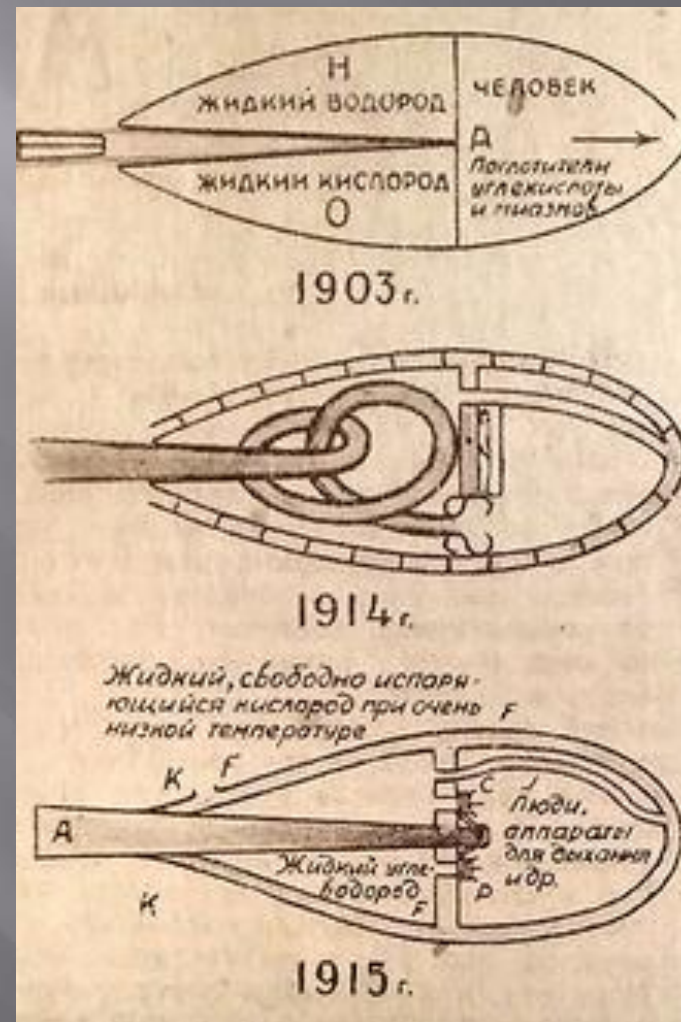


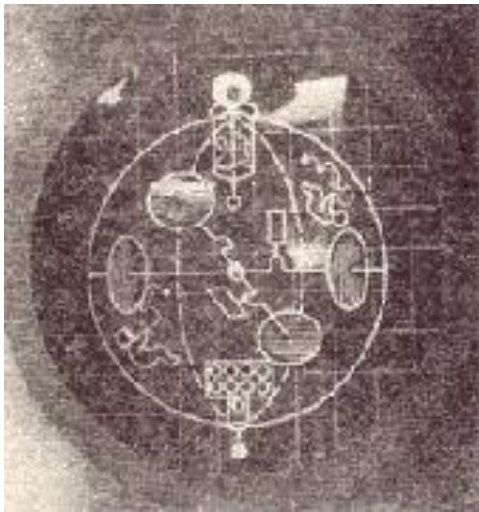
Tsiolkovsky's Space Obsession



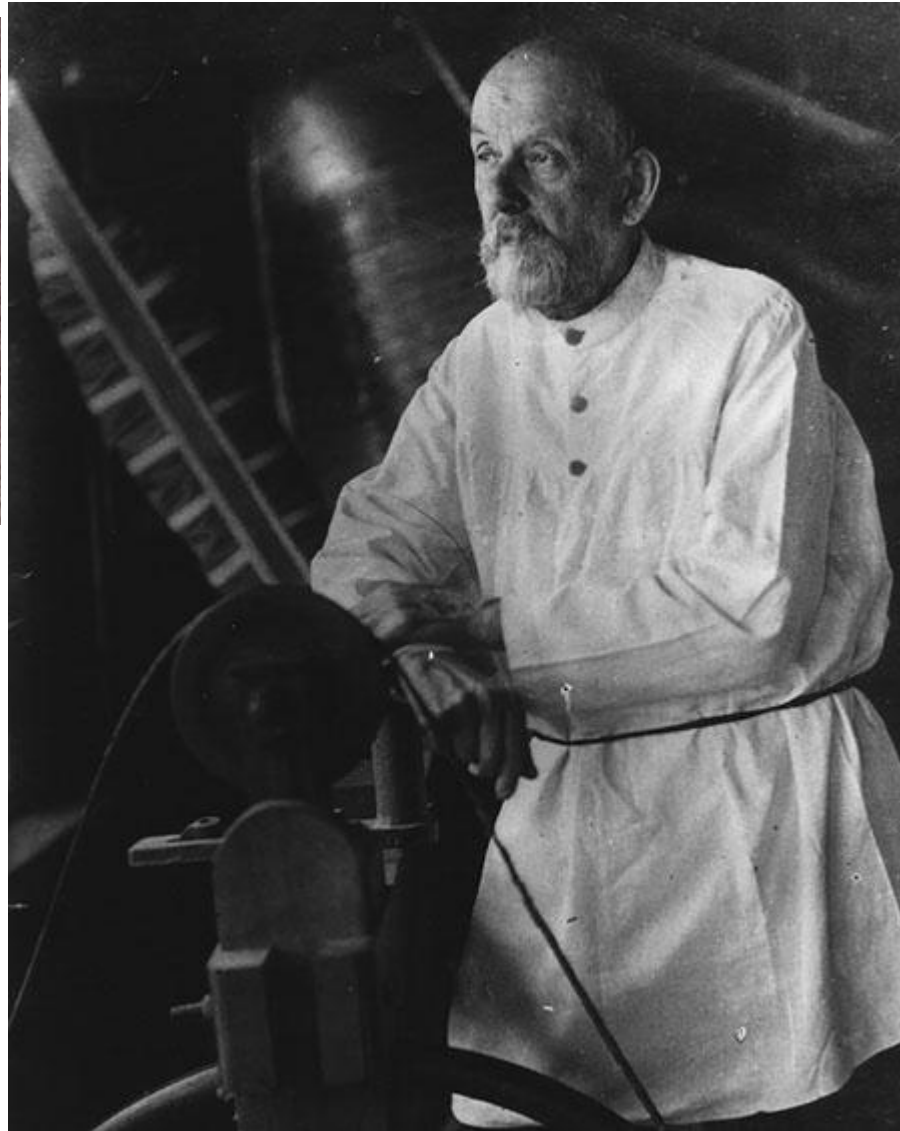
*The Exploration of Cosmic Space by Means of
Reaction Devices (1903)*

Step by step to stars

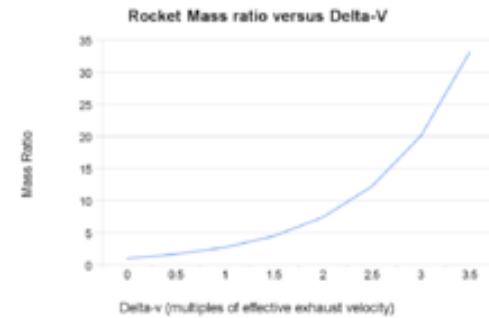




Draft first space ship
by Konstantin
Tsiolkovsky



$$\Delta v = v_e \ln \frac{m_0}{m_1}$$



Early space device in China



YURI GAGARIN !

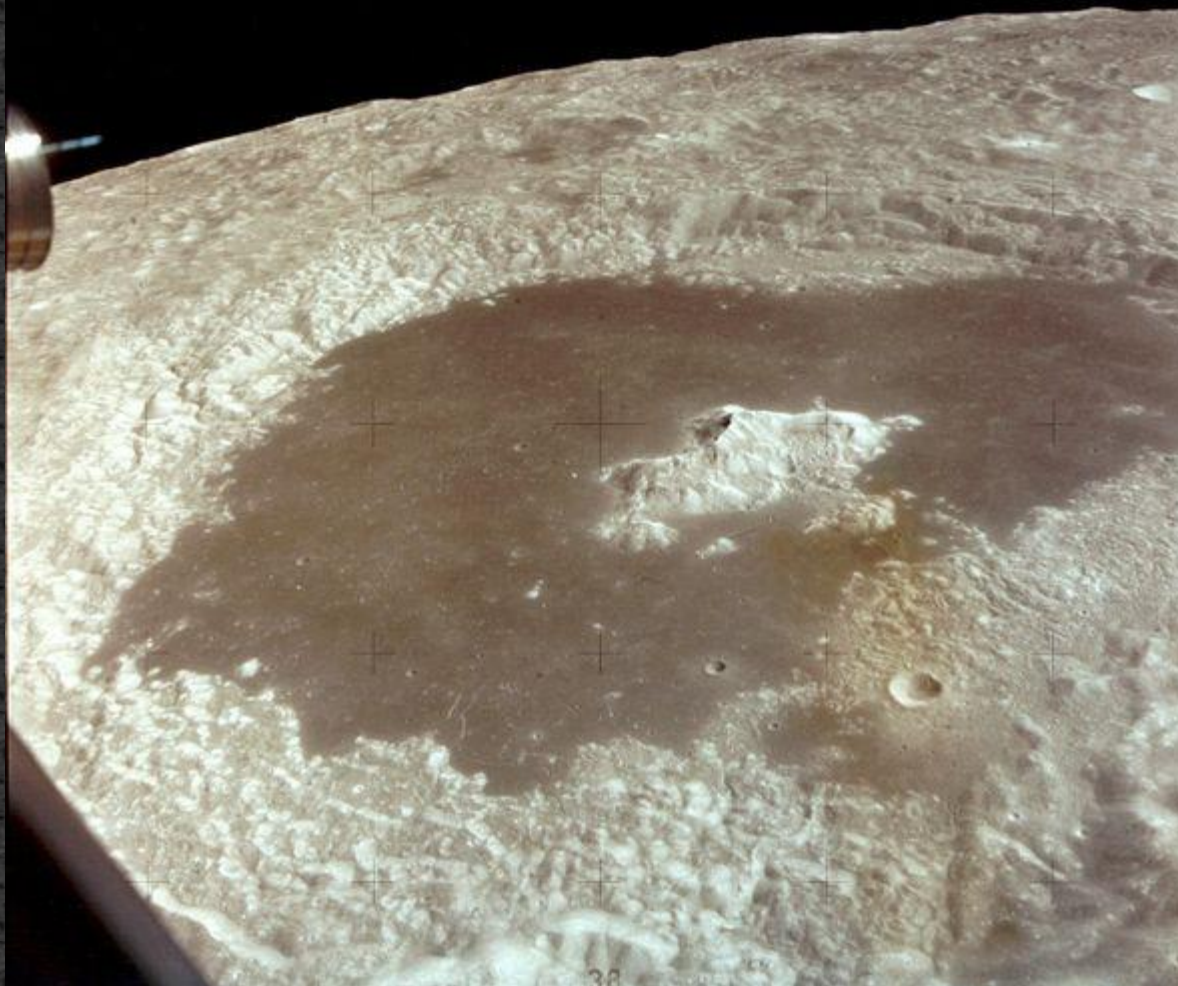


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Monument to Konstantin Tsiolkovsky in Moscow





Crater Tsiolkovsky

Kaluga: capital of the Kaluga Region. Industrial and cultural center of middle Russia. Known since 1371 as a border fortress on the southwestern borders of the Moscow principedom. Important role in the 1812 defeat of Napoleon's army. Occupied by the Nazi armies in October 1941. Liberated 30 December 1941. Population 325185 (2010)



Annual Tsiolkovsky readings in Kaluga