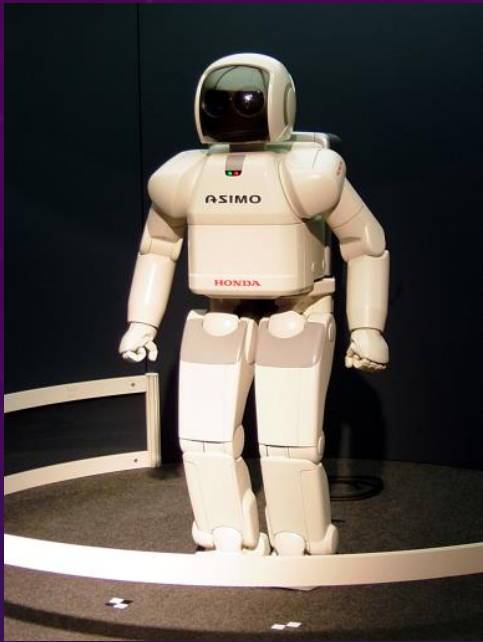


# CZECH INVENTORS

- Author: SPS Zengrova, Ostrava, Czech Republic





# KAREL ČAPEK

- January 9, 1890, Malé Svatoňovice - December 25, 1938, Prague
- He was a Czech writer, intellectual, journalist, playwright, translator and amateur photographer.
- He used the word **robot**, that his brother suggested to him during a conversation about how to call the being and was later presented at the National Theater in the drama R.U.R
- He was accepted by the whole world





# PROKOP DIVIŠ

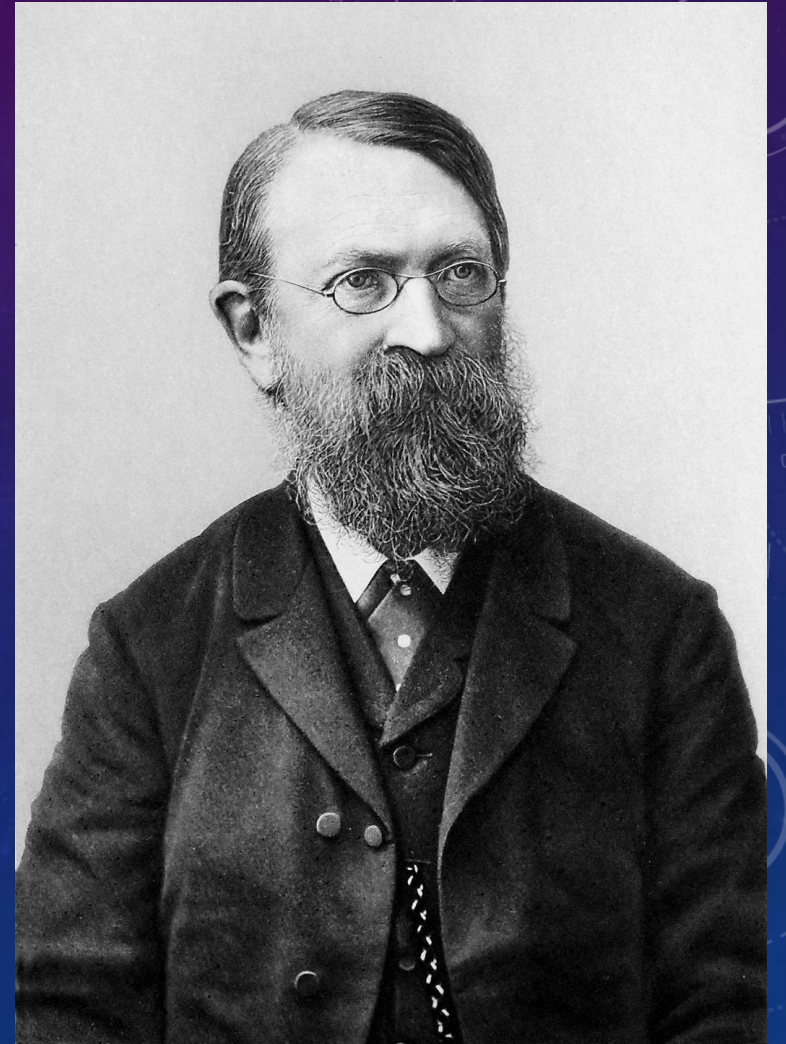
- Catholic priest, biologist, healer, musician, inventor
- He was interested in electronics
- His invention, **lightning rod**, was first thought to be used to pull lightning strikes directly from the sky and direct them to the ground, but it did the second part only
- He invented it by an accident, when he experimented with his other invention, the elektrum, when he made static electric with friction
- He realized that lightning was only a big electric spark



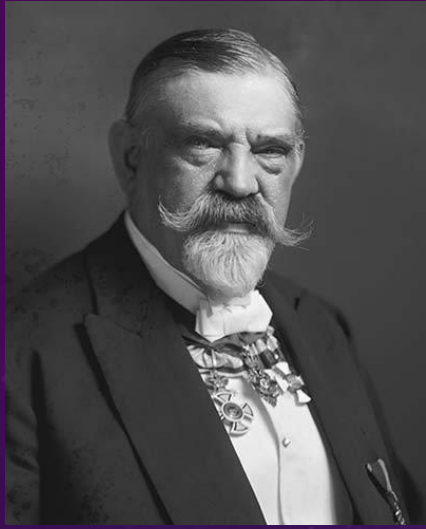
# ERNST MACH

## Physicist

- Most of Mach's initial studies in experimental physics concentrated on the interference, diffraction, polarization and refraction of light in different media under external influences.
- He described the sound effects observed during the supersonic motion of a projectile. He confirmed the existence of a shock wave of conical shape, with the projectile at the apex. The ratio of the speed of a fluid to the local speed of sound  $v_p/v_s$  is now called the Mach number. It is a critical parameter in the description of high-speed fluid movement in aerodynamics and hydrodynamics.

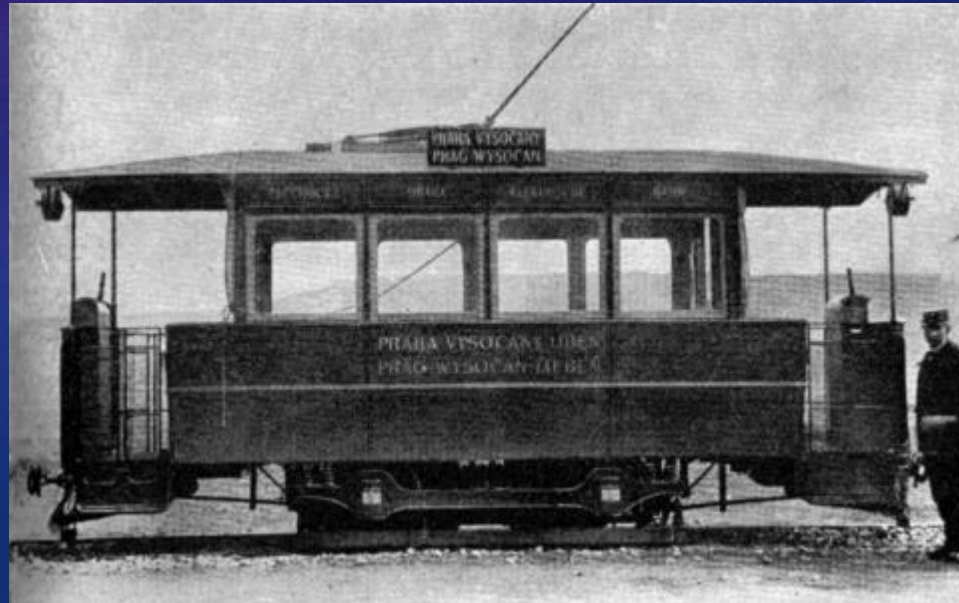
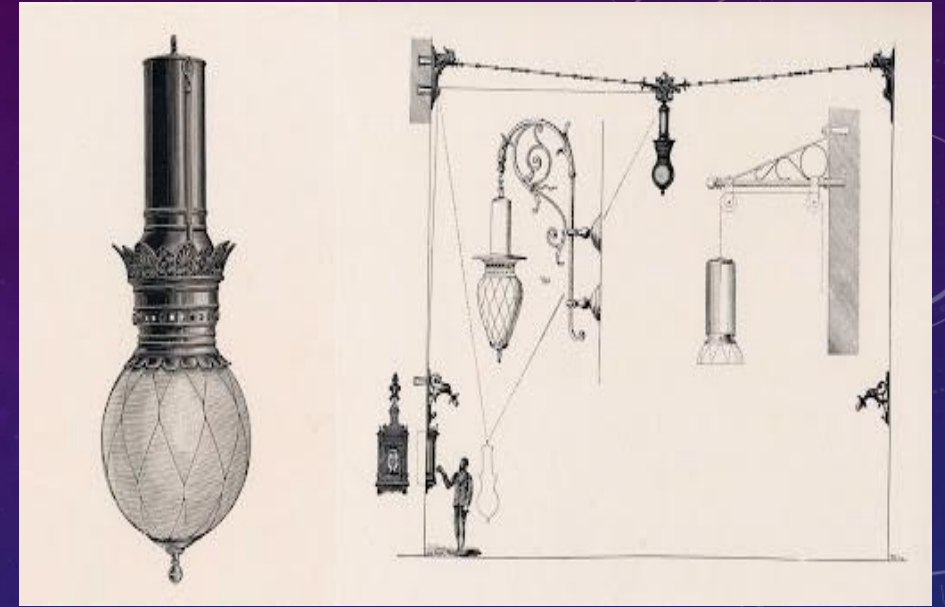






# FRANTIŠEK KŘIŽÍK

- he was called "Czech Edison"
- - significant czech technician
- - invented arc lamp in 1880
- - built the first electrified railway in the Austro-Hungarian empire in 1903



# COUSINS VEVERKOVÉ

- They both lived in Rybitví
- František (1799-1849) was farmer and Vaclav(1796-1849)was blacksmith
- Their children were dying, and their wives soon died as well.
- They invented **Ruchadlo** (medival plow) from the old semi functional tools that were available at the time



# STANISLAV BREBERA - CHEMIST

- World leader in the production and export of armaments, it is not surprising that Czech weaponry has played a major role in many conflicts around the globe.
- The most famous product the general-purpose plastic explosive **Semtex**
- Developed at the end of 1950s, it began to be mass-produced in the mid-1960s to supply the communist Viet Cong government during the Vietnam War. (It derived its name which was home to the Explosia factory where it was produced).







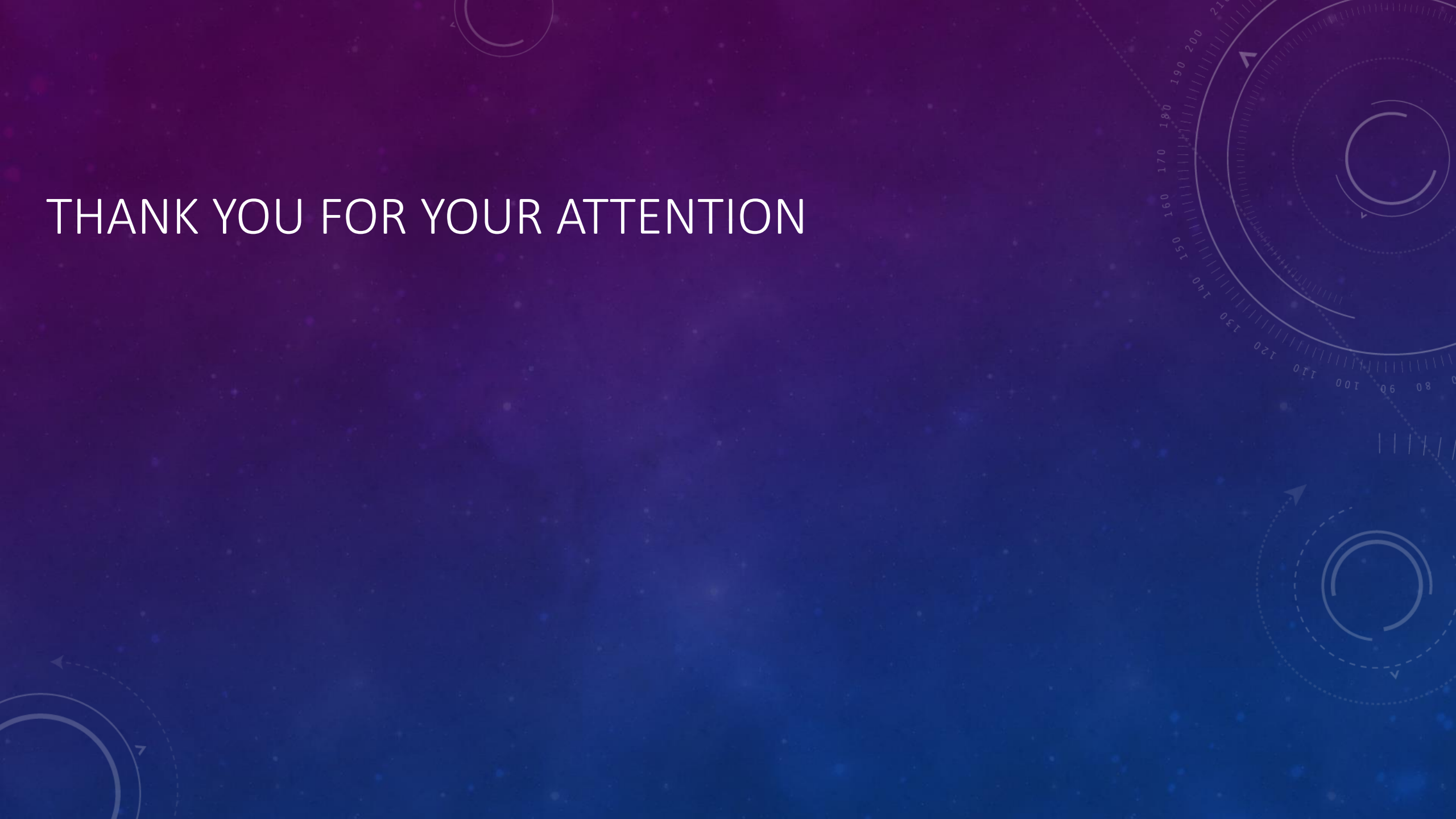
# OTTO WICHTERLE

- He was a Czech chemist that specialised in organic chemistry and plastics technology, also took an interest maths and medicine as well
- -In 1940 he worked in chemical laboratory and with few scientists invented silon
- - Since 1952 he started to work on preparation of **contact lenses**. Nobody believed him. State gave him no money for research. In 1961 he made his first lenses at home using a children building kit called Merkur
- -Since 1965 his lenses have been made in USA





THANK YOU FOR YOUR ATTENTION



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