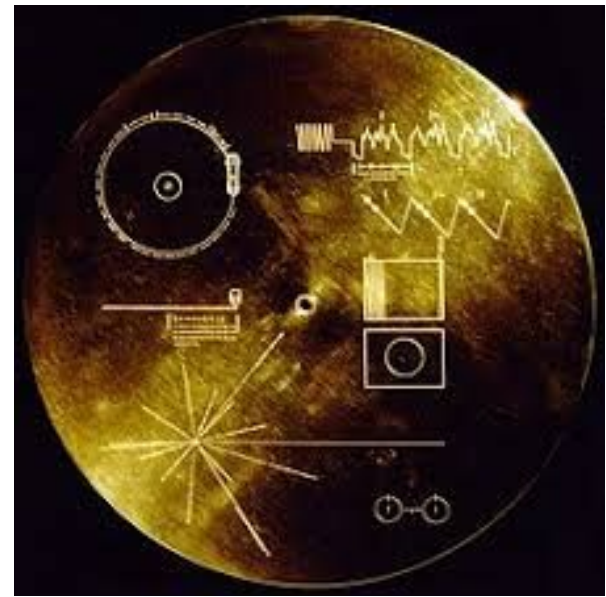


TUESDAY 22ND SEPTEMBER

The Voyager space probes launched in 1977 had the primary mission to study the gas giant planets and send information and pictures back to Earth. However, both probes would ultimately be on **trajectories** that would take them out of our solar system and into deep space.

NASA decided at the last minute to attach gold phonograph discs to each probe containing information about their origin in case either should ever be found by space-faring intelligent life. A small team led by astronomer Carl Sagan had to decide what to put on the 30cm gold-plated disc as well as pictorial instructions for its reading.

They chose [115 images](#) showing people, animals, DNA, cities, landscapes and even Oxford. Sounds of Earth including thunder whale-song and a kiss, and [greetings in 55 languages](#) including Sagan's 6-year-old son Nick saying "*Hello from the children of planet Earth*". Finally 90 minutes of music including [Bach](#), [Beethoven](#), traditional folk music from around the world and Chuck Berry's [Johnny B. Goode](#). ([Spotify](#)) EMI refused to allow the Beatles' *Here Comes The Sun*. There is even an Uranium-238 as a radioactive clock so a finder could estimate how long the spacecraft had travelled. The chance of either record being found and played is remote, but if it is, the finder will have a small snapshot into Earth in 1977.



- What would you put on a disc that represents Earth & humanity?
- If this was made today, do you think we'd still use the same technology?
- Why was Voyager preserved with a message, whilst Europa was destroyed?

TUESDAY 22ND SEPTEMBER

The Voyager space probes launched in 1977 studied the gas giant planets. However, both probes had **trajectories** that would take them out of our solar system and into deep space.

NASA decided to attach gold phonograph discs to each containing information about Earth should either ever be found by intelligent life.

They chose 115 images, sounds of Earth including whale-song, greetings in 55 languages and 90 minutes of music including Bach, Beethoven and Chuck Berry's Johnny B. Goode (Spotify). The chance of either record being found and played is extremely remote.



- What would you put on a disc that represents Earth & humanity?