

## SPACE COMMUNICATION TIMELINE



### Pioneer 10

3 March 1972

Two Pioneer plaques were launched on Pioneer 10 and Pioneer 11 in 1972 and 1973, showing the location of Earth in the galaxy and the form of the human body



### Arecibo Message

16 November 1974

A 1679 pixel image transmitted towards stars 25,000 light years away. The message included details of DNA, a human being and the Arecibo telescope in Puerto Rico



### Wow! Message

15 August 1977

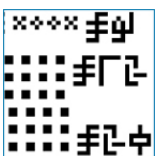
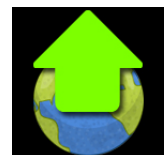
A 72-second burst of radio energy was detected by Ohio State University which had all the hallmarks of an artificially-produced broadcast.



### Voyager 1 & 2

August & September 1977

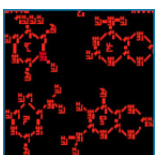
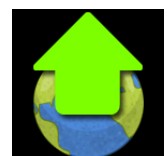
The Voyager probes carried two golden records that were inscribed with silhouettes of the human form, our solar system and its location, as well as recordings of pictures and sounds from Earth.



### Cosmic Call

1999 & 2003

The "greatest hits" of space messages, containing copies of previous broadcasts, such as Arecibo, as well as a "Rosetta Stone" multi-page bitmap that builds a vocabulary of symbols representing maths & objects.



### Teen-Age Message

August & September 2001

Composed by Russian scientists and teens, this message contained analogue representations of musical melodies, binary digital messages of bilingual Russian and English greeting as well as pictures.



### A Message From Earth

9 October 2008

The first message to be created democratically via the internet, made up of pictures and words from Bebo users, and broadcast 120 trillion miles to Gliese 581 c.

