B B C JAMES LOVELOCK ON THE COMING AGE OF HYPERINTELLIGENCE

Science Focus

To infinity and beyond

The tech that SNIFFS OUT DISEASE Why fizzy drinks and Is too much FISH FINGERS WON'T KILL YOU SUN CREAM BAD FOR YOU?

SPACE 2069

MOONBASES, MARS, FIRST CONTACT, AND BEYOND...



APOLLO SPECIAL

Moon Landing –

How to argue with someone who thinks it was fake

— Small Steps

How NASA prepared for the first moonwalk The Missions

50 vears of lunar exploration visualised

Data crunch

Missions to the Moon

On 13 September 1959, the Soviet Union's Luna 2 probe became the first human-made object to reach the Moon's surface. Since then, more than 100 missions from eight national agencies have been attempted, with around half being deemed a success. In recent years, China has been the most active nation launching lunar missions. Its Chang'e 4 mission became the first craft to land on the far side of the Moon in January 2019.

LANDING SITES

△ Luna Programme
Soviet space programme, USSR

Twenty-four robotic spacecraft were named Luna, although more were launched and only eight successfully landed.

Luna 2 Sep 1959

Luna 9 Jan 1966

Luna 13\ Dec 1966

Luna 16 Sep 1970

Luna 17 Nov 1970

Luna 20 Feb 1972

Luna 21 Jan 1973 Luna 24 Aug 1976 Project ApolloNASA, USA

Of the 18 missions, six succeeded in landing the first humans on the Moon.

Apollo (11) Jul 1969

O Jul 1707

Apollo 12 Nov 1969

Apollo (14) Jan 1971

Apollo 15 Jul 1971 Apollo 16 Apr 1972

Apollo (17) Dec 1972

Surveyor Programme

NASA, USA Of the seven robotic spacecraft sent to the Moon, five

Surveyor (1) May 1966

successfully landed.

Surveyor (3) Apr 1967

Surveyor (5) Sep 1967

Surveyor (6) Nov 1967

Surveyor (7) Jan 1968

MISSIONS

- Successful past mission

Failed past mission

Ongoing/future mission

Crewed missions

The early years of lunar exploration were dominated by the Cold War-era rivalry between the Soviet Union and the USA. The two nations made a total of 82 attempts between 1958 and 1976.

Apollo 13 was called a successful failure. While they failed to land on the Moon, the men did return home safely.

Launch year 1960 1965 1970 1975 1980 1985 1990

INFOGRAPHIC: VALENTINA

