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# opening extract from Mission to the Moon

# writtenby Alan Dyer

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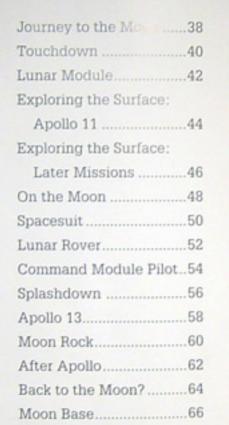
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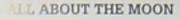
#### MISSION: MOON

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# Mission: **Moon**





#### Artec Moon

In Arter, tradition from ancient Mexico, the gods hurled a rabbit towards the newly created Moon and its unmarked face, creating the shapes we see today.





Moon man down under From the southern herrisphere the Moon appears inverted, so a different face is seen.



Witch in the Moon to the 1500s people in England. same a solicity or any told related carrying a buildle of sticks.



Crab in the Moon Paraple living on islands in the South Pacific and an ocaan crab

### Moon Myths

For thousands of years the Moon has been seen as a place of myth and legend, of good and evil. The Sumerians who lived 4,500 years ago thought that the souls of the dead went to the Moon and descended to the underworld for judgement during the New Moon phase-when the Moon's face was completely in shadow and seemed to disappear into the darkness. Later cultures, such as the ancient Greeks and Romans, worshipped the Moon as the goddess of hirth and fertility, and the protector of animals. Medieval superstitions claimed that the Moon's light caused "lunacy", or madness. Even today, people often blame "loony" behaviour on the Full Moon, but scientific studies have shown that there is no link.

Beyond the sky This woodcut from the 1800s shows the earlier Medieval belief that the sky was the surface of a "calential sphere" that tay like an upturned Dowl on a flat Earth. Cosmic machinery behind the sphere was thought to keep the Moon, Sun and stars in motion.



#### NAMES OF THE MOON

The original Greek Moon poddecs was Selene. In Roman mythology site was called Line (from which ters "sense" show up hay and "lomany"). then was later known an Diana, However, MASA's Apolio Moon programme was named after the Greek and of light, truth and the Sun. Apollo was the twis houter of Artennia. shother ancient Moon goldens



The goddess Selects full in love with the montal Endymice, the first human to observe the cycles of the Moon. The pods placed him into an atendal sleep.

#### Esboos Moos

Thorn, the ancient Egyptian Moon put, was sometimes stepicted as a wise boboon Because baboons "sang" to the Moon at night.





#### Moonwitches

Witches were believed to them upon the power of the Moon. goddees for conducting their wicked rituals.



#### Lunar werewolves According to legend, workwolves change from human to howling world under the evil light of the Full Moon

We now know that these seas are smooth lava plains.

A Statula Sel and on a

IMAGINING THE MOON

People have king looked at the Moon

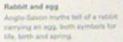
and seen mythological creatures

drawn by the Moon's dark "seas"

in the Moon.



Man in the Moon People in Europe and North America are the face of a man



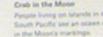
Toad in the Moon

Chinese legends tell of a workers.

Chang's, who field to the Moon

and was turned into a load.





12 (Minsten Moon

### Reaching for the Moon

Since the dawn of civilisation people around the world have used the monthly cycle of the Moon's phases to help count time and create a calendar. But they had little idea what the Moon actually was. A god? A glowing cosmic sphere? An unreachable part of heaven? It was not until the 1600s, when the Moon was first observed with telescopes, that people realised it was a world like Earth, with rugged mountains and volcanic plains, and close enough that we might reach it one day. That dream became the ultimate goal of inventors in the early 1900s, who knew that the only way to reach the Moon was to propel through space with rockets.



Ptolemy's cosmos Ancient Groek astronomer Piolemy concluded that all worlds revolved around Earth In his time the heavens. Moon and planets were thought to be made of a substance called "quintessence"

#### EXPLORING A NEW WORLD For hundreds of years

people thought the Moon might be a smooth mirror reflecting an image of Earth's continents. From 1609, with the invention of the talescope. astronomers could finally nee the Moon close-up. They realmed it was another world with incontains and plans but like Earth. They began to map the Moon and name these features.



In 1543 the Polish astronomer Nicholas Copiernicies challenged computes of thinking He proposed that Earth and the other planets revolved around the Sun, and only the Moon orbited Earth.

First Moon maps In 1609 Italian Galileo Galiei became the first person to study the Moore through a telescope. He sketched these images to record the mountains and craters that he saw

#### \*\*\*\*\*\*\*\*\*\* Charting lunar seas In 1647 the astronomer Johannes Havefust, pictured here with his telescope, published a map of the Moon that showed the dark areas as watery seas.



#### AIM FOR THE MOON

By the late 1800s writers began to imagine ways we could travel to the Moon, though by then people realised the Moon was airless and lifeless.

#### Moon mission, 1865

Franch writer Jules Verne, in his novel From the Earth to the Moon, imagined three astronauts propelled to the Moon in a capeule launched from Florida. This was a remarkable prediction that came true a century later.

Moon mission, 1930 This comic strip shows astronauts Bying to the Moon then sending algeals back to Earth with a powerful searchlight.





**Rocket** pioneers

Taiutkovskii in Russia, InR, and

Robert Goddard in the United

#### ROCKET SCIENCE

By the 1900s people knew that fuel would not burn in airless space, so the only way to travel to the Moon was to use a rocket that carried its own oxygen supply.



War rockets Captured by Allied troops at the

ered of World War II, Nati V-2 rocket missiles were the feat rockets used in the American and Soviet space programmas





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