

These tiny creatures crossed the 384,400km route from the earth and are landing on the moon

The Beresheet spacecraft brought one of Earth's toughest living creatures to the moon.

An Israeli spaceship called Beresheet almost landed on the moon in April. According to the planned route, Beresheet will land on the moon and 'selfie' a few plates before returning to Earth. Unfortunately, this spaceship has lost contact shortly afterwards, and according to scientists, it has crashed and fallen to the surface of the moon.

There is nothing worth mentioning without the concern, given that the Beresheet spacecraft itself carries with it a tiny form of life, called tardigrades (water bears). The fact that Beresheet is in danger on the moon can cause these terrifying creatures to escape and "invade" the planet.

1. This is why Elon Musk wants to conduct a "nuclear attack" aimed at Mars



Water bears - creatures of small size but extremely resilient

Water bears (English: Moss piglets or waterbears) are common names for the Tardigrada animal industry. This is an extremely small creature, often living in water, and belongs to a group of eight-size microscopic animals. Water bears are a group of ancient creatures that have existed on Earth for a long time, with fossils found 530 million years ago in the Cambrian period. So why can this creature cross 384,400km from the left and land on the moon? It all originated from the Beresheet project.

The Beresheet spacecraft is the first Israeli-built spacecraft to land directly on the moon's surface, which is also the first phase of an initiative by SpaceX's aerospace consortium. billionaire Elon Musk funded with the ambition to bring some forms of live DNA to the moon. The project is designed to act as Noah's Ark version 2, providing a special storage of genes for all the plants and animals on earth, thus helping to conserve and

regenerate one. species, or restore biodiversity in the event of an extinction disaster on earth.

Thus, although it does not transport astronauts, Beresheet carries many samples of human and animal DNA, along with both the aforementioned water bears and 30 million digital information pages. Very small social and cultural chemistry of people.

Beresheet is worth \$ 100 million and weighs nearly 600kg (including fuel). The ship left the Falcon 9 rocket launcher on the evening of February 21, 2019, and sent the first selfies to Earth on March 5, 2019. However, Beresheet then suffered in the process of landing on the surface of the Moon because the main engine suddenly had a problem. It falls in the moon's Mare Serenitatis area and images of the collision were captured by NASA's Lunar Reconnaissance Orbiter.

1. NASA's space telescope finds three new planets with rare features

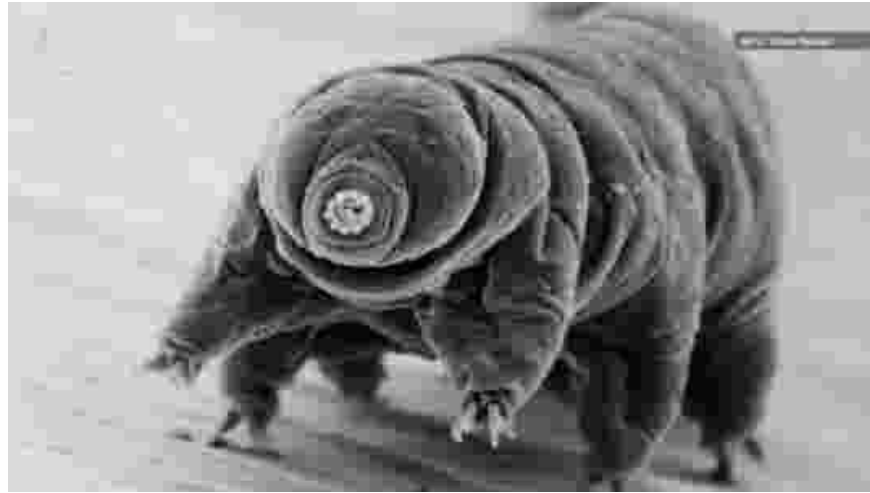


Beresheet spacecraft

Temporarily putting aside the damage of the incident, what makes the most interested scientists present is the consequence of the accident. Now, the water bears accompanying Beresheet may be scattered on the surface of the moon. You may wonder why a water bear, not any other species? Quite simply, they are terribly tough creatures.

According to the study: 'Water bears can grow in harsh environments that can hurt many other life forms. It can withstand temperatures near absolute zero to above the boiling point of water, 6 times the pressure at the deepest point of the seabed, ionizing radiation hundreds of times more deadly and even the foot environment. not in space. It can live without water or food for 10 years, even if the body has only 3% water or less. ' That's why this creature can survive through many extinction events that have happened on Earth, and can survive on the moon for a long time. But is this a matter of concern?

1. The newly discovered black hole contains anomalous characteristics, challenging most astronomical theories today



Images of water bears taken under a microscope

The water bear has a round, chubby body, with an average length of about 0.5mm and has 4 pairs of legs, each with 4 to 8 feet of legs - a body that is generally not 'nice' . Although possessing sharp teeth looks quite fierce, but water bears mostly eat plants, sometimes they also eat some other bacteria. So how do they exist on the moon?

As mentioned, water bears can survive in extreme conditions of temperature and pressure, including cold cold environments outside the earth. They almost do not seem to be stabilized when exposed to radiation. In the case of dehydration, this organism rolls into a spore-like state, which slows the metabolic rate by about 100 times, allowing them to last for more than 100 years. Not stopping there, water bears can live without eating for 10 years - an extraordinary long-lived animal!

1. Falling money from the sky is real: A \$ 700 billion gold meteorite is flying 750 million kilometers from Earth.



Water bears on the moon will eventually perish

However, basically, any form of life that wants to exist requires water and nutrients, even if at a minimum, water bears are no exception. They mainly take oxygen and food from water. On Earth, water bears often live on the

algae, moss, lichen, or 'deep' clusters of sediments to absorb nutrients from other living creatures' fluids, even if they Eating parasites also belong to the tardigrades. Thus, although water bears can exist on the moon for a long time in a rolled state, but if not 'rescued' by rehydration and nutrient reception, they will eventually perish. , although in theory, this process takes a lot of time.

Interplanetary pollution

Temporarily take care of concerns about how water bears can invade the moon, this is not possible because they will eventually die. There is another situation that deserves more attention, which is the problem of space pollution. Not only littering the natural environment on the ground, we also leave plenty of 'imprint of the civilized world' outside the universe.

More and more plans for the moon have been made, even tours to explore the planet, and possibly even settlements and entertainment complexes in the future. The ambition to explore and set foot on the moon is not bad, not worth condemning, but we must learn how to clean up the consequences. The lesson about the plastic waste crisis that is raging on Earth is still valid.

In parallel with the moon, Mars is the next planet to receive special attention, as more and more projects to explore the Martian surface are planned today. NASA and ESA are now planning a mission to bring samples from Mars to Earth for research. And measures to prevent any disturbance as well as possible contamination on the planet's surface are at the center of the design and manufacture of spacecraft.

1. NASA 'Mars' helicopter model is almost ready for the journey to conquer Red Planet



The surface of Mars needs to be preserved in its original state after studies

Besides, earth orbit space is also in need of cleaning more than ever. According to the latest statistics from the United States Aeronautics Agency (NASA), there are about 22,000 artificial objects orbiting the Earth, including active satellites as well as broken, inactive, and countless pieces of old missiles have been used in human space exploration for more than half a century.

The dense amount of space waste and the ever-increasing number of rocket launchers on Earth Orbit have exacerbated concerns about unfortunate collision situations that can occur outside space. between the spacecraft and these floating objects - not only damage money, but also create more debris floating in other dimensions, continue to seriously threaten the safety of spacecraft. and satellites are on duty as a vicious cycle.

1. Admire the design of the most award winning NASA space design competition: Harmony, full of comfort, and safety



Space waste floats more and more dense in Earth Orbit

In short, mankind needs an effective and urgent space cleaning plan before things get out of control. As for water bears, let them comfortably enjoy the unique 'vacation' on their own moon!

1. Recycle space waste, impossible thought possible!

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