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Archaeological finds are expanding our view of human history and unlocking the stories of our ancestors.

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TWO SOVIET STEPPE tortoises had already flown around the moon by the time Neil Armstrong set foot on it in 1969. In fact, dozens of animals, including insects, traveled into space before humans did. In the 1940s, scientists began to explore the limits of our atmosphere. They wanted to understand if humans could survive a weightless environment and the rocket journey to get there—and

once they did, whether they'd be able to operate a spacecraft. While the research no longer involves canine cosmonauts (above), decades on, mice, fruit flies, even jellyfish continue to expand our understanding of biology in space and on Earth. The studies may one day hold the key to sending humans to the outer reaches of our solar system and to better treating earthbound diseases such as osteoporosis.

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creatures are best suited for a research mission.



Returned alive

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