



# Scientists Assert that 'Alien Technology' Meteor's Seismic Tremors were Actually Caused by a Passing Truck

## Description

In 2014, a meteorite was believed to have entered Earth's atmosphere in the Western Pacific. This assumption was based on apparent vibration echoes registered at a seismic station situated in Papua New Guinea. Later on, scientists claimed that rubble collected from the seafloor was the remnants of this event, with some even going as far as to suggest it could be some form of extraterrestrial technology. Yet a recent interpretation by another group of scientists brings forth a different perspective, contending that the vibrations were actually caused by a truck traversing a nearby road concurrent to the meteor's descent through the atmosphere. Moreover, these scientists deduce that the rocky fragments discovered at the bottom of the Pacific were not from this meteor, which probably entered the ocean about 100 miles away from the original surveyed area.

Benjamin Fernando, a planetary seismologist at Johns Hopkins who guided the research discloses, "The signal changed directions over time, exactly matching a road that runs past the seismometer." The details of this study will be unveiled in the upcoming annual Lunar and Planetary Science Conference in Houston. Fernando admits that it's indeed challenging to determine with assurance that an identified signal is not from something specific, such as a meteor. However, upon careful observation, it was noticed that there were several analogous signals, which exhibited traits consistent with the transit of a truck, not a meteor.

Meteors - the fragments of space debris entering Earth's atmosphere come in a myriad of shapes and sizes. The studying of these meteors provides scientists with useful insights about the history of our solar system and the origins of water on the planet Earth. One notable instance was the Chelyabinsk meteorite, the biggest this century, which detonated over Russia in 2013 causing substantial damage and injuring about 1,600 people.

Assumptions were initially based on data gathered by the seismometer AU MANU located on Manus Island in Papua New Guinea. The study, published in September 2023, inferred that the meteor was of interstellar origins, having crashed into the ocean just north of the island. Contrarily, Fernando's team used data collected from sound stations in Australia and Palau, initially installed to detect the trembles of nuclear tests, which suggested that this meteor likely fell over 100 miles from the first search area. The team concluded that the findings based on a single station were at best highly exaggerated and at worst completely incorrect.

Prominent Harvard researcher Avi Loeb surmised that the recovered rocky spherules could be alien technology. However, according to Fernando's team, these fragments are unrelated to the 2014 meteor regardless of their origin. They rule out the possibility of these pieces being alien spacecraft.



The Lub's team findings based on the origin and composition of the 850 spherules will also be presented at next week's conference. Though Fernando's team acknowledged the spherules as meteorite or a mix of meteorite and terrestrial material, they concluded the spherules have no linkage with the meteor fall of 2014.

Evidently, the truth about the meteoritic event is waiting to be discovered- whether it lies beneath the ocean or in the data amassed during the meteor fall. Even if these findings are less exotic than the hypothetical alien technology, open discussion about all prospects and reassessment of the data via the scientific method can potentially bring a conclusion to this fascinating meteoritic narrative.

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## Vocabulary List:

1. **Meteorite** // (noun): A solid piece of debris from space that survives its passage through Earth's atmosphere and lands on the surface.
2. **Vibration** // (noun): An instance of shaking or movement to and fro.
3. **Seismic** // (adjective): Relating to or caused by earthquakes or other vibrations of the Earth.
4. **Remnants** // (noun): A remaining piece or parts of something.
5. **Extraterrestrial** // (adjective): Of or from outside the Earth or its atmosphere.
6. **Concurrent** // (adjective): Occurring or existing simultaneously or side by side.



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## Vocabulary quizzes

### Multiple Choice ( Select the Correct answer for each question. )

1. Which word means cheerful and full of energy?

- Option: Ebullient
- Option: Resplendent
- Option: Pedigree
- Option: Captivating

2. Who studies fossils to learn about ancient lifeforms?

- Option: Authenticity
- Option: Paleontologist
- Option: Herbivore
- Option: Anatomical

3. What term refers to the quality of being trustworthy or dependable?

- Option: Prehistoric
- Option: Exhumed
- Option: Commencement
- Option: Reliability

4. Which word describes something that adds extra or additional support?

- Option: Anticipation
- Option: Forefront
- Option: Supplemental
- Option: Ostentatiously

5. What is a solid piece of debris from an object such as a comet or asteroid that originates in outer space and survives its fall to Earth called?

- Option: Meteorite
- Option: Vibration
- Option: Seismic
- Option: Remnants

6. Which word means to dig out (something buried especially a corpse) from the ground?

- Option: Amendments
- Option: Serendipity
- Option: Paleontologist
- Option: Exhumed



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7. What word is used to describe something visually impressive or dazzling?  
Option: Speculative  
Option: Revised  
Option: Evaluator  
Option: Resplendent
8. Which term is used to describe someone who is capable and skilled in a particular area?  
Option: Competent  
Option: Spam  
Option: Reliability  
Option: Amendments
9. If something is based on conjecture rather than knowledge it is considered:  
Option: Serendipity  
Option: Paleontologist  
Option: Speculative  
Option: Revised
10. Which word means in a pretentious or showy manner designed to impress?  
Option: Extraterrestrial  
Option: Concurrent  
Option: Supplemental  
Option: Ostentatiously

**Gap-Fill ( Fill in the blanks with the correct word from the vocabulary list. )**

11. \_\_\_\_\_ to the contract were made to address the new regulations.
12. Their meeting was pure \_\_\_\_\_ as they both arrived at the same spot unexpectedly.
13. The company is at the \_\_\_\_\_ of technological innovation in the industry.
14. The archaeologists \_\_\_\_\_ the ancient artifacts from the burial site.
15. The manuscript was \_\_\_\_\_ multiple times before it was published.
16. A \_\_\_\_\_ primarily feeds on plants and vegetation.
17. The university \_\_\_\_\_ ceremony will take place next week.



18. The \_\_\_\_\_ of the engine could be felt throughout the ship.
19. The dog came from a long line of champions boasting an impressive \_\_\_\_\_.
20. The artist's performance was so \_\_\_\_\_ that the audience was spellbound.
21. The possibility of \_\_\_\_\_ life forms existing in the universe intrigues scientists.

**Matching Sentences ( Match each definition to the correct word from the vocabulary list. )**

22. The antique shop guarantees the _____ of all items sold.
23. The school board hired an _____ to assess the effectiveness of the new curriculum.
24. The red color featured in the new collection caught everyone's attention.
25. Mark's email filter caught the unsolicited messages before they cluttered his inbox.
26. The region experienced a series of activities that raised concerns among residents.
27. The archaeologists discovered _____ of a long-lost civilization buried beneath the sand.
28. A leader knows how to motivate and guide their team to success.
29. The crowd waited in _____ as the final results of the competition were announced.
30. Investing in volatile markets can be risky due to the nature of returns.
31. The two events are running _____ but in different locations allowing attendees to participate in both.

**Answer**

**Multiple Choice:** 1. Ebullient 2. Paleontologist 3. Reliability 4. Supplemental 5. Meteorite 6. Exhumed  
7. Resplendent 8. Competent 9. Speculative 10. Ostentatiously

**Gap-Fill:** 11. Amendments 12. Serendipity 13. Forefront 14. Exhumed 15. Revised 16. Herbivore  
17. Commencement 18. Vibration 19. Pedigree 20. Captivating 21. Extraterrestrial

**Matching sentence:** 1. Authenticity 2. Evaluator 3. Dominantly 4. Spam 5. Seismic 6. Remnants 7. Competent  
8. Anticipation 9. Speculative 10. Concurrent

**CATEGORY**

1. Sci/Tech - LEVEL5



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