Joyce Finley
May 5, 2024

This paper is about acoustic Levitation, or moving objects with sound, beginning with the Egyptians and concluding with what science can do today, using this method.

ACOUSTIC LEVITATION

The Egyptian Pyramids

How were the pyramids built? I remember as a child seeing pictures of slaves lined up and passing stones to one another until the last person put them in place. These stones can weigh several tons, so that scenario is impossible.

I believe they were built by using acoustic levitation, the process of moving heavy objects by using sound. They were built so long ago that there is no scientific proof that shows conclusively how it was done.

However, there was an Arab historian from the 10th century, named Abul Hasan Ali Al-Masudi, who wrote about the building of the pyramids. He claimed that a magic papyrus imprinted with symbols was placed beneath each stone and then the stone was struck with a metal rod to begin the levitation process. Once the stone was levitated, it was passed down a pathway lined with metal rods on both sides. It is believed that these rods created a high-frequency sound vibration which enabled the stones to be easily moved into place.

Tibet

One case of acoustic levitation is the case of a Swedish doctor, Dr. Jarl, who was traveling in Tibet in 1939 and was asked to treat a Tibetan holy man who had fallen ill. He was able to cure the holy man, and to show their gratitude the monks gave Dr. Jarl a demonstration of how they were able to move heavy objects with sound. They took 13 drums and 6 trumpets, laid them out in a 90-degree arc around a large stone and began playing. After a few minutes, the stone levitated and moved through the air, landing on a platform which the monks had built on a cliff. Dr. Jarl filmed the event, but the English Scientific Society, who had sponsored his trip to Tibet, confiscated the film and destroyed it.

The Coral Castle

Another example of acoustic levitation is the Coral Castle outside of Miami, Florida. It was built by a Latvian immigrant by the name of Edward Leedskalnin. He began working on the castle in 1928 and worked on it until his death in 1951.

He worked alone, even though he had a full-time job and had no knowledge in the field of construction. He would work at night, using a system of pulleys and winches. He never allowed anyone to observe him while he was working, although some local teenagers said that they would peek through areas of the fencing surrounding the site. They reported seeing him using his pulley system to lift the stones, while singing to himself. The whole process was quiet, and neighbors never complained of noise disturbances.

A building contractor friend of Leedskalnin explained that the limestone he used is porous and therefore would not be as heavy as other stones; however, some of the stones weighed close to a ton. The contractor created schematics explaining how Leedskalnin was able to accomplish such a feat and even wrote a book about it. No one can say for sure. Leedskalnin explained his amazing feat by saying, "I have discovered the secrets of the pyramids and have found out how the Egyptians and the ancient builders in Peru, Yucatan and Asia, with only primitive tools, raised and set in place blocks of stone weighing many tons!"

He was also known to have quite a lot of radio equipment, but no one knows what he used it for. However, at one point he told one of his friends that he knew how to tap into the music of the stars. Whether he meant it literally or figuratively, no one knows.

MODERN SCIENCE

In 1979 the Princeton Engineering Anomalies Research Lab (PEAR) was created. Experiments were conducted in how the mind can influence physical objects, remote viewing, and consciousness. In one experiment using sound, scientists were able to levitate a small quartz crystal. The type of crystal they used was quartz that contains magnetite and iron, which is used in radio receivers. They then created a high-frequency sound wave aimed at the crystal and were able to levitate it. In 2007 the PEAR lab was closed. The university had decided that the experiments lacked scientific merit and no longer wanted to be associated with that type of research.

Today, NASA is conducting studies on acoustic levitation and its uses in space. Research is being conducted on its merits in the fields of medicine and pharmaceuticals. The implications are immense. Scientists can create a standing sound wave using frequencies of 28,000 hertz, inaudible to humans. In the standing wave field, they are able to suspend liquids, even red blood cells, and study them without the liquids coming into contact with a hard surface such as a petri dish.

There are even do-it-yourself kits available on the Internet. A search for Acoustic Levitation will yield dozens of websites and YouTube videos.

It will be interesting to see how our lives change because of acoustic levitation.