

The 19 Hz Ghost Frequency: How Infrasound Creates Hauntings

Part of the Weight of a Dog Knowledge Network

Introduction

Connection to The Weight of a Dog

Connection to The Weight of a Dog: In Alex Lucio's novel, the mysterious wheel—an ancient bronze artifact hidden in Alex's grandfather's workshop—emits infrasound at precisely 19 Hz. When Alex first encounters it, he experiences classic ghost frequency symptoms: blurred peripheral vision, a sense of unseen presence, visceral unease. The novel later reveals that ancient megalithic structures worldwide (pyramids, temples, stone circles) were engineered to generate and amplify this specific frequency as a carrier wave for global consciousness synchronization. The 19 Hz hum becomes the invisible signal that touches the autonomic nervous system directly, bypassing conscious thought to reach the deeper layers of human awareness.

Infrasound—sound below 20 Hz—exists below the threshold of human hearing. We cannot consciously detect it, yet our bodies respond powerfully to these low frequencies. Among all infrasonic frequencies, 19 Hz holds a particularly unsettling distinction: it is the resonant frequency of the human eyeball.

When exposed to sound at 18-19 Hz, the human eye physically vibrates in its socket. The result is a constellation of phenomena that have been attributed to hauntings for centuries: peripheral shadows, shimmering visual artifacts, a sense of presence, overwhelming dread. The "ghost" isn't supernatural. It's physics acting on biology.

The Vic Tandy Discovery: Solving a Haunted Laboratory

In 1998, engineer Vic Tandy was working late in a laboratory at Coventry University when he experienced what seemed to be a textbook haunting. Employees had been reporting strange phenomena for months: shadowy figures glimpsed in peripheral vision, cold sweats, overwhelming feelings of dread and being watched.

One night, Tandy brought his fencing foil into the lab. He clamped it to a workbench and noticed something bizarre: the blade was vibrating violently, even though nothing in the room appeared to be moving. As an engineer, Tandy's first instinct was to find the source. He traced the vibration to an extractor fan in the corner—one that was emitting a very low-frequency hum at 18.98 Hz.

Tandy consulted research from the U.S. Air Force and the Institute of Physics, which had documented that the human eyeball has a resonant frequency around 18-19 Hz. When the lab fan was running, it was essentially vibrating everyone's eyeballs in their sockets. The visual cortex, receiving distorted signals, interpreted these as movement in peripheral vision—shadows that weren't there, shapes that disappeared when looked at directly.

Tandy published his findings in the Journal of the Society for Psychical Research (1998). When the extractor fan was shut off, the "haunting" stopped. No exorcism required. Just physics.

How Infrasound Affects the Body

The 19 Hz frequency doesn't just affect vision. Research has documented that infrasound at this frequency impacts:

- The vestibular system (inner ear balance): producing nausea, dizziness, and spatial disorientation
- The limbic system: triggering feelings of dread, fear, and anxiety without conscious cause
- Respiratory rate: slight changes in breathing patterns that can feel like chest pressure

Certain architectural features naturally produce 19 Hz: pipe organs in cathedrals, industrial machinery, wind moving through specific building configurations. Many "haunted" locations—old factories, churches, Victorian mansions—have been found to generate infrasound at exactly this frequency.

The phenomenon is so well-documented that researchers now check for infrasound before investigating alleged hauntings. In many cases, the "ghost" turns out to be nothing more than an HVAC system running at the wrong frequency.

Other Documented Cases

Beyond Tandy's laboratory, 19 Hz has been measured at:

- Historic cathedrals with large pipe organs tuned to produce subsonic tones
- Industrial sites where machinery creates resonance in metal structures
- Certain natural formations where wind creates standing waves

In each case, people reported similar experiences: visual anomalies, sense of presence, fear and dread—all of which ceased when the infrasound source was identified and removed.

While researchers use infrasound to explain away hauntings, fiction can ask: what if someone deliberately engineered this frequency—not to scare, but to reach parts of human perception that language cannot touch?

Bibliography

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The Carrier Wave: 19 Hz as Narrative Technology

The difference between "made-up magic" and "scientifically grounded uncanny" is research. When fiction uses documented phenomena—like the 19 Hz ghost frequency—it creates visceral reader experiences that feel real because they tap into autonomic responses readers have actually felt, even if they didn't know why.

In The Weight of a Dog

In *The Weight of a Dog* by Alex Lucio, the 19 Hz frequency isn't atmospheric decoration—it's the carrier wave of ancient technology. When Alex first encounters the wheel (a bronze artifact hidden in his grandfather's workshop), he doesn't hear anything. But he feels it. A deep, uneasy pressure on his sternum. His vision blurs at the edges, shadows shimmering in peripheral vision. The room feels haunted.

This isn't mysticism. It's the wheel emitting infrasound at 19 Hz, vibrating Alex's eyeballs in their sockets and triggering his vestibular system. The novel uses Vic Tandy's documented physics to make readers feel what Alex feels—that uncanny sense of presence, the body responding to frequencies the conscious mind can't detect.

Later, the story reveals that ancient acoustic structures (pyramids, megaliths) were designed to amplify this frequency globally, nudging human consciousness toward coherence. The 19 Hz hum becomes the carrier wave—the signal that reaches beneath conscious thought to touch the autonomic nervous system directly.

About the Author

Alex Lucio is a novelist exploring the intersection of consciousness, quantum physics, and ancient wisdom. His debut novel, *The Weight of a Dog*, weaves peer-reviewed neuroscience and archaeoacoustics into a story about grief, connection, and a bulldog who transcends time.

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About This Research: This site explores the real science underlying The Weight of a Dog by Alex Lucio. Visit WeightofaDog.com for the complete companion document.



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