

Wave Form

By: Ben Gufford



This is another in the waveform series of bowls that I create. The bowl is wheel-thrown and hand carved to represent the wind-swept or water-washed ripple patterns that serve as an example of nature's ability to self-organize into “non-repeating” patterns.

Waves play a crucial role in scientific study, as they are fundamental to understanding and explaining numerous natural phenomena. From electromagnetic waves that enable communication and provide insight into the universe's structure, to sound waves that reveal the properties of matter and help us perceive our environment, waves serve as a powerful tool for unraveling the mysteries of the physical world. Their study allows us to investigate and comprehend diverse fields such as optics, acoustics, seismology, and quantum mechanics, paving the way for technological advancements and expanding our understanding of the universe.

“Ripples in the sand, found on both beaches and dunes, are one of nature's most ubiquitous and spectacular examples of self-organization. They do not result from some predetermined pattern in the wind that is somehow impressed on the surface, but rather from the dynamics of individual grains in motion across the surface.” - Robert S. Anderson, professor of earth sciences at the University of California.

“Sir Roger Penrose suggests that wavefunctions collapse spontaneously and in the process give rise to consciousness. Despite the strangeness of this hypothesis, recent experimental results suggest that such a process takes place within microtubules in the brain. This could mean that consciousness is a fundamental feature of reality, arising first in primitive bio-structures, in individual neurons, cascading upwards to networks of neurons, argues Roger Penrose collaborator Stuart Hameroff.”

“The quantum mind or quantum consciousness is a group of hypotheses proposing that classical mechanics alone cannot explain consciousness; positing instead that quantum-mechanical phenomena, such as entanglement and superposition, may play an important part in the brain's function and could explain critical aspects of consciousness. These scientific hypotheses are as yet untested, and can overlap with quantum mysticism.”

Enlightenment for a wave in the ocean is the moment the wave realizes it is water.

-Thich Nhat Hanh

