

Sound, the Trigger for Life



Spiritual traditions from many cultures speak of sound as having been responsible for the creation of life. The words of St John's gospel are a good example:

In the beginning the Word already existed. The Word was with God, and the Word was God. ['Word,' meaning 'sound.']

So let us examine a hypothetical model, inspired by ancient traditions, to see how sound could have been the dynamic force that created the first stirrings of life.

Around 4.5 billion years ago sounds louder than we can imagine were at work shaping the earth. Immense sound 'storms' reverberated within the earth's molten iron core and mantle, pushing up the early landmasses, creating mountains and valleys. Then, around 3 billion years ago, following the formation of the oceans, the first primitive life forms are believed to have evolved in the watery depths.

The structuring and organizing force that triggered life has eluded theorists and many competing theories abound. Many scientists have come to believe that the fierce lightning storms that tore open the early atmosphere were the

magic ingredients that literally ‘sparked life.’ There is a classical experiment that suggests the validity of this theory. A glass jar was filled with a cocktail of elements then sealed. For several weeks the concoction was irradiated with sparks. The sparks changed the character of the chemicals and created primitive forms of amino acids, the building blocks of life. If there comes a time when this theory is proven to be correct, it would fail to explain how the helical nature of DNA evolved or how the building blocks of life were assembled. What force was at work to cause the building blocks to coalesce, and begin to create form from formlessness?

We believe, just as the ancient seers prophesied, that the creative force was the most obvious and potent of all: sound.

It is generally believed that life began in the harsh environment around hydrothermal vents. The ocean floor vents were where the water came in contact with the heat of molten rock. But beyond that, most theorists are not prepared to hypothesise. Here, then, in brief, is our hypothesis.



Hydrothermal Vent

The hydrothermal vents spewed mineral-rich gases from earth’s core into the water. The gases contacted with hot lava causing bubbles to form that ranged

in size from melons to microbes. It is the microscopic bubbles that most concern us.

The elements that poured out of the vents found themselves in highly turbulent water and in an ocean of rich, bubbling, sounds. It is important to know that although sound is invisible it actually carries structure, both in air and in water. The watery membrane surfaces of the microscopic bubbles were the perfect places for sound structures to imprint. The patterns of energy on the surface of these tiny bubbles were created by areas of stillness, called nodes, and high intensity sound, called antinodes.

Naturally, the elements found a safe haven in the nodal areas of the bubbles. In other words, *life formed in the stillness, on the surface of microscopic bubbles*. The patterns of stillness were regular, such as a dodecahedron. Adjacent to these still areas were areas of dynamic vibration, which we could think of as the dynamic creative force or some may prefer: God.

If this model is correct then it may be the reason that many people meditate in stillness to reach the God within: Some subconscious part of the brain may remember the time when life formed in the stillness of those ancient seas, alongside God.

Sound and stillness, of course, still reside within all of us.

When we study the geometry of sounds visually, using the CymaScope, we see that they include many of the mathematical constants of the cosmos, including phi, sometimes known as the 'golden mean.' This ratio is approximately 1 to 1.618 and it is found in all living things. Sound geometry is based on definite angles that form on a membrane that is 'imprinted' with the sound vibrations, thus allowing us to observe them.

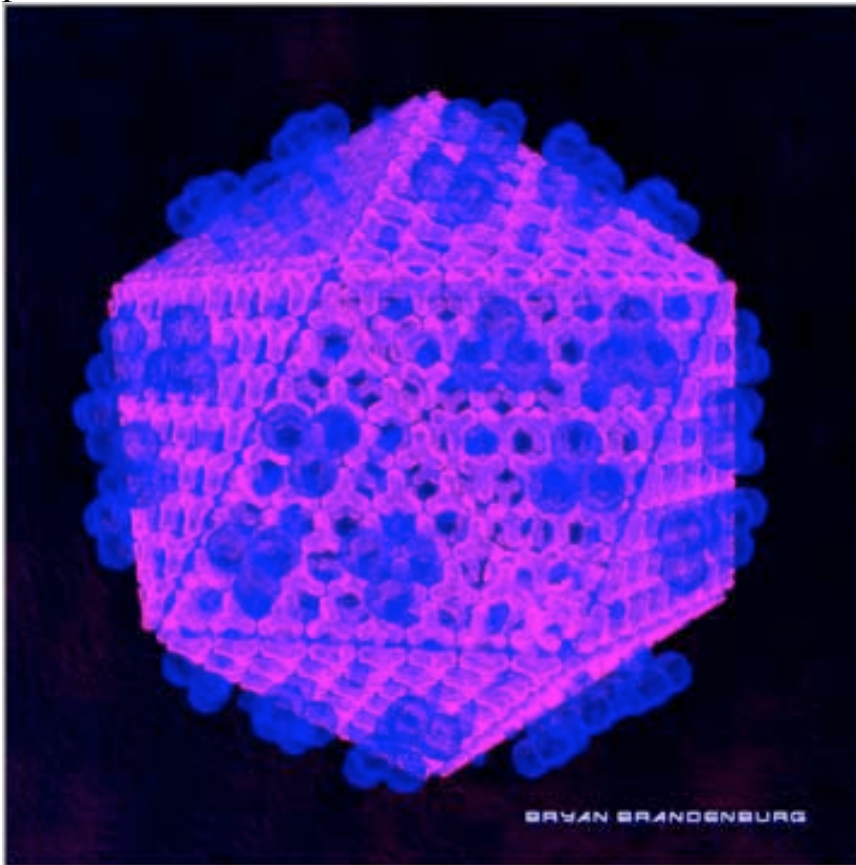


Pentagon CymaGlyph



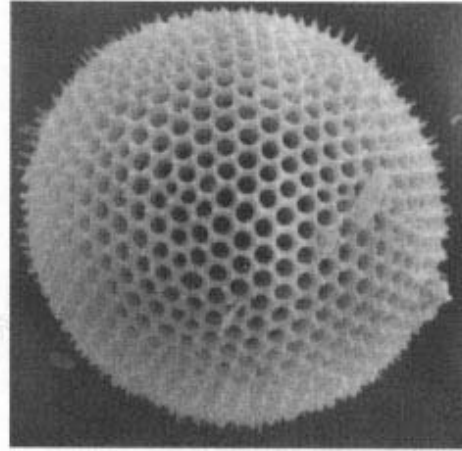
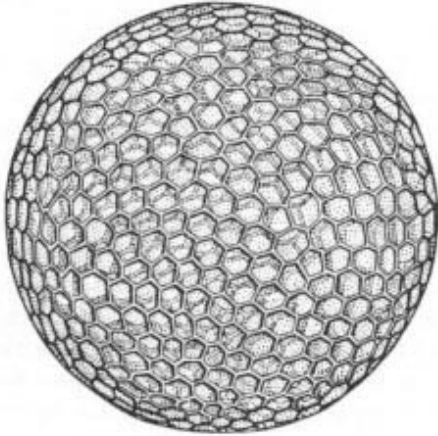
Starfish

It is interesting to note that recent research is suggesting that the earliest life forms may have been what we would now recognise as viruses, life forms that are often highly angular in their outer shells. Cells, according to this theory, evolved much later. The angular aspects of the earliest primitive life forms and organisms is strong evidence that sound was involved in the shaping process.



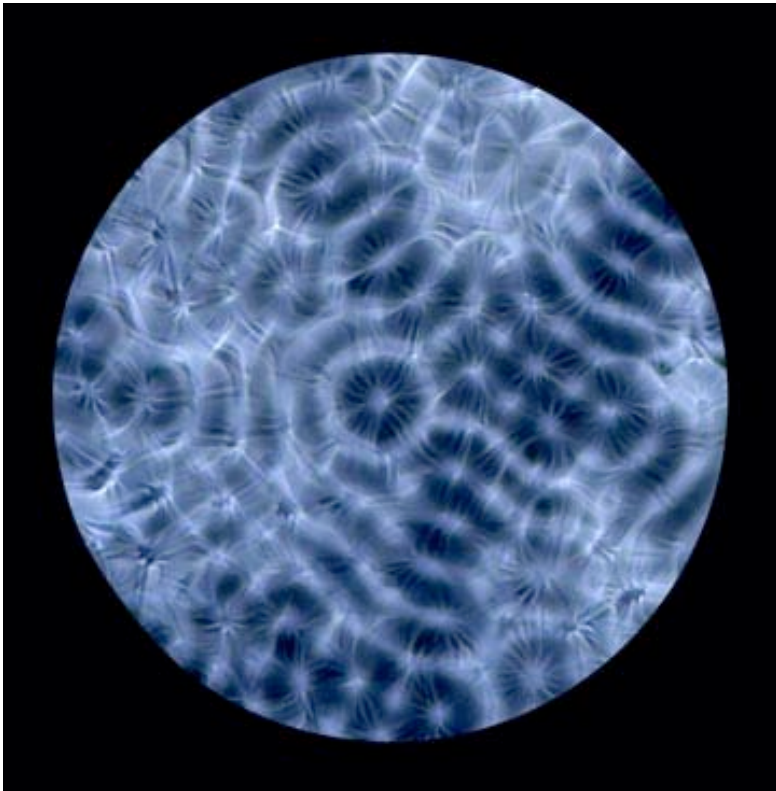
HIV Virus

The reason that all living things have the phi ratio imbedded in them may be because phi is imbedded within a pure sine tone. Pure sounds are devoid of harmonics and do not feature the rich complexity of a musical sound. An example of a fairly pure high-pitched sound is an organ pipe, which causes air to spin into a vortex. Such pure sounds contain the all important phi ratio and they create sonic scaffolding that, we believe, organised, structured and triggered life.

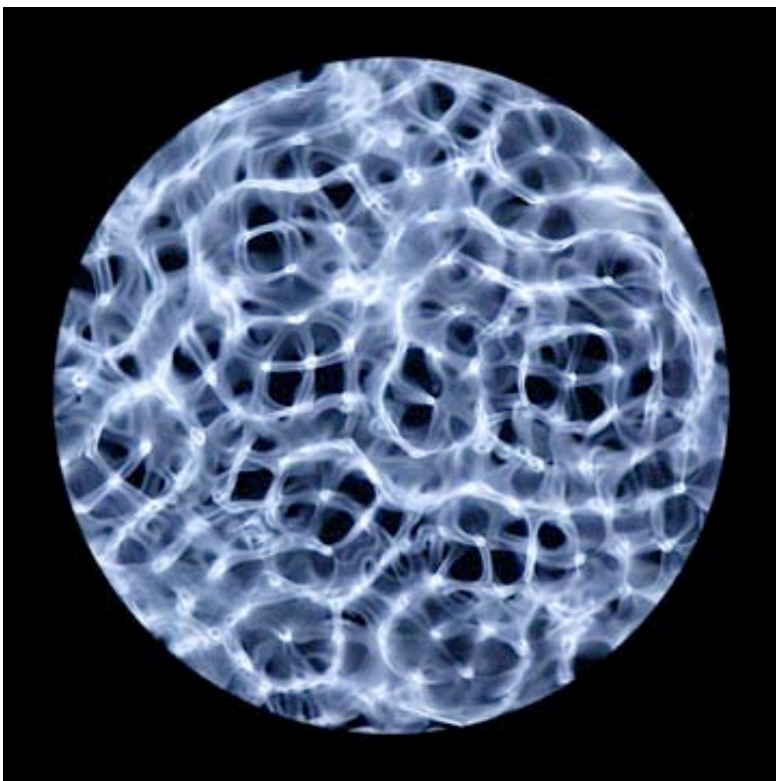


iRadiolaria

But how could a pure tone originate in the oceans of earth? Wave action creates sound known as ‘white noise,’ all frequencies of sound, jumbled together. As those sounds impinge upon the watery depths they are filtered naturally by the water. The deeper the sound travels from the surface, the purer it becomes until, at great depth, it is a very pure low-pitched tone, resembling that of a church organ. It was these sounds, we believe, that were the driving force of creation. They formed ‘sonic scaffolding’ on all micro membranes they interfaced with. But our story doesn’t end there for we have not yet taken account of the helical nature of DNA.



Sonic Scaffolding Tendrils



Macro Vortex Matrix

Viktor Schauberger, the brilliant Austrian scientist, working in the 1940's and 50's, may have been the first to study micro vortexes in water. Interestingly, micro vortexes carry the same basic structure as DNA! More recently, scientists in Hong Kong have demonstrated that micro vortexes can be created in the laboratory and are used to manipulate single DNA molecules. In other words, the bore of the micro vortex approaches that of the DNA double helix. It seems like divine irony that the very mechanism that may have created DNA is now being employed to manipulate it!

To summarise, we propose that the first strands of DNA were created in the micro vortex environments of primordial hydrothermal vents. Should micro vortexes be discovered within microscopic bubbles we have a model that begins to resemble living cells: a membrane (the surface of the bubble) with strands of DNA within.

If sound was indeed the trigger for life, it follows that sound alone should be able to heal life. The sound of ocean waves is certainly calming but the sounds imbedded within them may healing at a level we can currently only guess at.