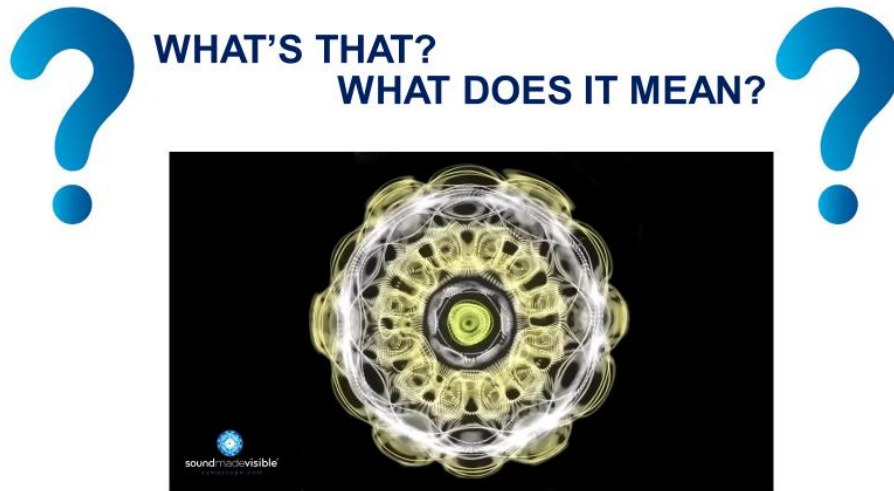


## What's *THAT?! (Part 1)* With ISTA's Mandara Cromwell...



ISTA Founder, Mandara Cromwell interviews John Stuart Reid about how he makes sound visible:



Mandara: **Can I make Cymatic images at home?**



John: **Cymatics—sound made visible—is becoming an increasingly popular pastime. For example, many people fill the cone of a hifi speaker with water and watch as flower-like patterns emerge when the speaker is driven with a sound source. The casual cymatics experimenters' main focus is the sheer beauty that sound creates when it imprints on water. Thus, cymatics is quickly becoming an art form, expressing the exquisite geometry of sound and music.**

However, it is important to distinguish the difference between cymatic art and cymatic science. Cymatics can be harnessed as a powerful research tool, providing the parameters of the experiments are carefully controlled.

(See short video clip of John Stuart Reid making sound visible at [www.CymaticsConference.com](http://www.CymaticsConference.com))



Mandara: **Can you give some examples of the variables?**



John: **Cymaticians approaching the subject from a scientific perspective face the challenge of controlling the many variables, such as the resistivity of the water, the natural resonances of the drive system, the appropriate volume and area of water required to visualize a particular frequency range, and the air pressure acting on the water. Without these controls the imagery is art rather than science.**



**Mandara:** Well, that explanation really separates the DIY's from a scientific laboratory set-up! Please share where you see the scientific applications of Cymatics possibly being utilized in the future.



**John:** With the emergence of the CymaScope instrument, new horizons of research have become possible. The protocols employed have led to the CymaScope being used to explore varied scientific disciplines, including, Astrophysics, Biology, Phonology, Physics and Zoology. Our mission is to advance and support the science of cymatics for the benefit of humanity. We continue to popularize this emergent field of study through the [CymaScope.com](http://CymaScope.com) web site and the development of cymatic products, publications and conferences worldwide.

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## ***What's THAT?! (Part 2) With ISTA's Mandara Cromwell...***



**Mandara:** John, please share with us exactly “What is a Cyma Glyph?”



**John:** Sound patterns created by the CymaScope are called “CymaGlyphs” and are literally the geometry of sound made visible.



**Mandara:** Is this a computer-generated image?



John: The perfection of these beautiful patterns of sound often give the impression of being computer generated when they are actually *a natural manifestation of sound's vibrations* imprinting on the surface and sub surface of pure water or other fluids.



Mandara: **Since our body is over 70% water, could you speak on how sound and CymaGlyphs could affect our physical body?**



John:  
Whenever sound is present CymaGlyph patterns occur all around us and even within us as it imprints on the trillions of water-rich cellular membranes that make up the body. This interaction of sound on cellular membranes has triggered the emergence of sound as a powerful healing modality.

Until recently, analyzing the complex geometric structures within sound was a challenge. But now, in collaboration with Dr Sungchul Ji of Rutgers University, the CymaScope laboratory has developed a powerful software tool called the PDE Analyzer. With it we can accurately analyze CymaGlyphs and extract meaningful data, for example, to differentiate healthy cells from diseased cells.

**Experience the world of Cymatics with John Stuart Reid, James Oliverio and Mandara Cromwell at the 2017 Cymatics Conference on Saturday, November 11, 2017 at the Galloway School Auditorium in Atlanta, GA. 7pm Tickets \$25. Visit [www.CymaticsConference.com](http://www.CymaticsConference.com) for more information and tickets.**

**SEE SOUND MADE VISIBLE through the visual, performing and healing arts!**

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