



David Bloor

#03



About the Art Work

Chemistry is fundamentally the interaction of energy and matter. Chemical reactions require energy in one form or another to proceed: chemistry stops as the temperature approaches absolute zero. Chemists have only limited control, however, over the nature of this interaction. In large part, the properties of a specific energy source determine the course of a chemical reaction. Ultrasonic irradiation differs from traditional energy sources (such as heat, light or ionizing radiation) in duration, pressure and energy per molecule. The immense local temperatures and pressures together with the extraordinary heating and cooling rates generated by cavitation bubble collapse mean that ultrasound provides a unique mechanism for generating high energy chemistry.

Nontraditional Activation Method - David Bloor

For Valency I was interested in exploring ultrasound as a means to vibrate a set of cymbals. Modular synthesis is an interesting tool for studying a range of subjects, including physics, mathematics, cybernetics and chaos theory. You're not limited to producing audible frequencies or logical, linear processes.

A cymbal displays non-linear behaviour in sound production, fundamental frequencies, harmonics and inaudible frequencies that can be felt all play a part in how we experience sound.

About the Artist

David Bloor is an artist and musician interested in how people respond to limitations, each other and their environment. His work includes installations, performance and recordings under the name 'Dirch Blewn'. He works with kinetic sculpture, analog assemblage, modular synthesisers and a self-built, 63 channel, 8-bit, surround-sound, off-grid recording studio which formed the basis of '24hr Community Composition' which was in residence at Sanctuary Lab in the Galloway Forest in 2017.

Besides his performance and sculptural work, he has produced many albums, issued by labels such as Linear Obsessional from London and Game of Life from Athens. In 2018, the album Care Work was released by Soft Error, UK. Much of his recorded work is available on bandcamp.com or through his website dirchblewn.

In 2017, reflecting on the visual and the auditory experience, David Bloor wrote:

"Sound is a slippery thing, I've often felt the auditory is not as ordered as the visual, although our ears are as important as our eyes. Being around predominantly visual artists has informed my practice greatly during this year. Placing sound related objects within the context of a gallery can be a challenge but I feel a strong visual element can inform the audience even if the sound is abstract.

Sound spilling out, it's like hanging a wet painting on a wall, the canvas cannot contain it however the canvas remains our initial focus. The origin of action can be abstract, ideas, thoughts, feelings and senses but we are always pulled back to the canvas and the paint on its surface... Apply a layer, wait until dry, apply a layer, disrupt. Layer upon layer, stand back, make tea, drink tea, obliterate. Visual art depends on light, light reveals, reflects and creates movement, the paint dries but the work remains fluid. Sound is the same, it moves and changes as it interacts with surface, they both spill out like ideas."



www.dirchblewn.com

