

By Bill Russell

Kala implies that everything is connected. Shamans employ this ancient concept when they exchange wisdom and information with entities such as animals, plants, stones and people at a distance. Even in modern times, Kala permits dowrsers to locate underground water sources and lost objects. Kala underlies the shaman's awareness that *all* is alive, aware and responsive.

Quantum physics laboratory demonstrations substantiate the Kala concept. Because of our Western scientific diehard fixation on objective reality perception, physicists are shocked and bewildered by such revelations. Most of them sweep "quantum weirdness" under the rug, out of mind. One world famous physicist advised his graduate students to not think about the seemingly incomprehensible aspects of quantum physics or they would "go down the drain into a blind alley from which nobody has yet escaped." But these are just the kind of places that shamans dare to explore.

Quantum physics is the study of the physical and energetic nature of matter at the realm of subatomic particles, the building blocks of atoms: protons, neutrons, electrons and photons. Examined from this close-up perspective, reality is quite different from the way we perceive it at our ordinary, everyday level.

To illustrate, let's look at a simple quantum physics laboratory demonstration, the famous "double slit experiment." In Fig.1 we have, at the left side of the sketch, a source of subatomic particles, a kind of gun that randomly shoots out subatomic particles, one at a time. In front of the gun is a barrier plate with a narrow vertical slit. Behind the barrier, on the right hand side of the sketch, is a photographic screen. The gun is not very accurate. Some of the particles it shoots miss the barrier. Some hit the barrier and are blocked from reaching the photographic screen. Occasionally, a particle will pass through the slit, hit the screen and leave a little black dot. Obviously, a vertical black line will build up on the screen after a period of time.

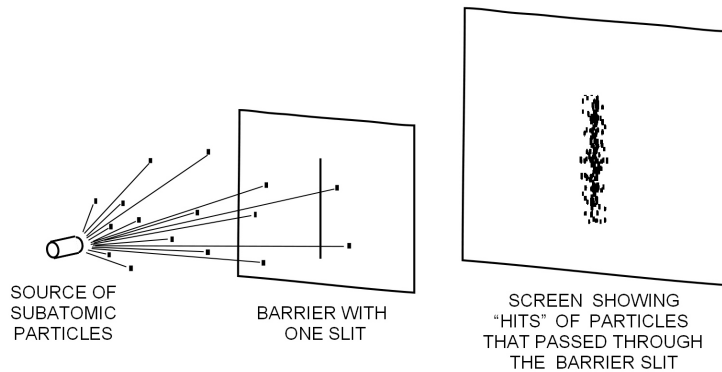


Fig.1

Now let's repeat this experiment but replace the barrier with one that has **two** closely spaced narrow vertical slits, as illustrated in Fig.2. After a period of time, we would expect to see two vertical lines of dots appear on the photographic screen. But we don't see two lines. To our astonishment we find several parallel vertical lines of dots. Think about this.

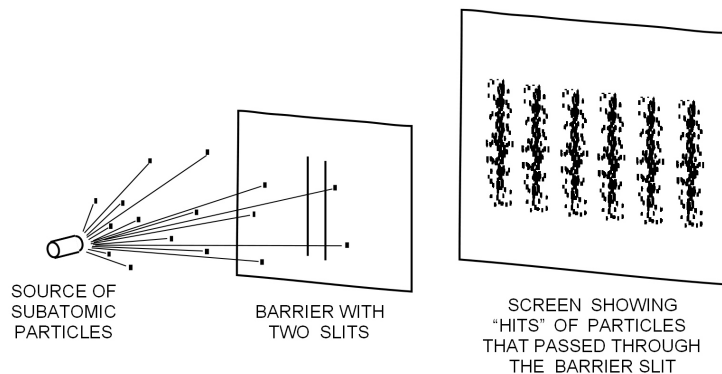


Fig.2

This experiment opens up various interpretations, revelations and perplexities for physicists, but there is one clear conclusion that is quite disturbing to them:

AS A PARTICLE PASSES FROM THE GUN TO THE PHOTOGRAPHIC SCREEN THROUGH A BARRIER SLIT, IT HAS TO “KNOW” WHETHER THE BARRIER HAS ONE OR TWO SLITS TO DETERMINE WHERE THE PARTICLE CAN FALL ON THE SCREEN.

Physicists wonder how a subatomic particle, without a brain or sense organs, can possess such awareness. For a shaman, the answer is obvious. It's because of Kala.

A definition of consciousness from my dictionary is “awareness of surroundings” and physicists do not know the limit of a particle's awareness. Every material thing from viruses and bacteria to people, animals, mountains, oceans, clouds etc. is composed of subatomic particles. Therefore, everything possesses consciousness and has the potential to be influenced by a shaman's focused intent.

The double slit experiment stirs speculations. Perhaps the brain does not generate consciousness. Maybe it's an organ that utilizes the consciousness of nature in the way that the eye makes use of light but does not generate it.

Could the implied vast networking of consciousness possessed by the building blocks of matter be the reason that physical forms exist? Perhaps each particle knows its appropriate place to occupy within a physical form. Could this organizational format be related to a shaman's concept of spirit?

If you want to learn more about the double slit experiment and quantum phenomena read “The Dancing Wu Li Masters” by Gary Zukav.