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*Shredding Event Horizons: The  
Gateway Into Black Holes ...*

*...Quantum Physics Meets  
Phenomenology*

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... Anton Grosz PhD

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## *Shredding Event Horizons: The Gateway Into Black Holes ...*

### *...Quantum Physics Meets Phenomenology*

...Anton Grosz, PhD

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Quantum physics seems to have hit a wall both literally and figuratively. I refer to the event horizon surrounding black holes that has become a main focus as quantum physics seeks to explain reality. So strong and impenetrable is this boundary, that it acts as a barrier not only to measuring but even to understanding what is happening on the other side. One need only look at the Winter 2015 special edition of Scientific American, *Physics at the Limits*, to see in how many different articles this enigmatic duo is mentioned.<sup>1</sup>

According to those in the know, many pressing questions such as the reality of space/time, non-locality, and the existence of a primal singularity, could well be answered if we could only penetrate event horizons to allow examination of the black holes existing inside. Well, it turns out event horizons *can* be penetrated. However, it occurs by looking in a new and unexpected direction.

While black holes and event horizons seem strange and impenetrable... out there, they are a familiar and intimate part of our daily lives... in here. Although we don't normally think of them this way, as a phenomenologist studying the experiential nature of reality, I see a clear parallel between an event horizon existing at the boundary of black holes and an event horizon existing at the boundary of individual consciousness.

I'm speaking of the event horizon separating 'you' and 'me'... the experiential boundary that creates and defines each and every one of us. This event horizon at the individual level displays characteristics amazingly similar to the event horizon studied at the cosmic level.

Let's begin with the fact that an individual event horizon cannot be penetrated. You may get very close. As a surgeon you may get inside my body, as a psychologist you may get inside my mind, but in either case, I am 'me' and you are 'you', and you are still looking at me from outside my conscious identity.

Also, reality appears different on the two sides of the boundary.

The world *outside* an individual's event horizon can be measured... is made up of tangible forms... objective facts... particles. Events are witnessed in space and time.

The world *inside* an individual's event horizon cannot be measured... is made up of intangible non-forms... subjective meanings... waves. Events are witnessed in the here and now.

Could it be that this event horizon that defines our very being is no different from the event horizon that quantum physicists are looking to enter at the far ends of the universe? The answer, incredible as it first appears, is definitely 'yes'.

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Physicists are also speculating that some form of intangible, immeasurable 'dark energy', may be the source of all that is. "... everything can be reduced to intangibles alone, without any reference to individual things," says one researcher<sup>2</sup>. "The universe is filled with some unseen stuff - now called dark energy," says another<sup>3</sup>.

Well what if that dark energy physicists are positing, the same stuff they claim was present at the start of the universe, just happened to be consciousness... the very same consciousness we each experience every day inside our own event horizon. This is not that crazy an idea.

"How can you define consciousness?" asked a noted professor at a symposium I once attended. "You can't," he answered himself, "it's too subjective."

Yet I disagree. Although our individual worldly experiences are absolutely unique for each and every one of us, as we travel deep within ourselves, past the point where social, physical, mental, emotional, and spiritual differences matter in the actual experience, we approach a shared common ground. A ground so common that it should be considered... non-subjective.

At our very core we all share the experience of existing as a unique and individual being. We even have a common name for this common experience. We call it "I".

We describe ourselves starting with "I am..." and then continue with our individual identifiers... male, female, black, white, yellow, red, old, young... the qualities that define and separate us from everyone else. Yes, these adjective and filters through which we explore and experience the physical world are real. But the one quality we all share in common is our sense of "I".

Now consider the possibility that the "I" we each experience doesn't just *feel* the same for each of us... it *is* the same for all of us. What if inside our separate, subjective, unique event horizons we share the same indefinable yet experiential "I"? Call it Dark Energy. Call it Consciousness. Call it God. Who cares what you call it?

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What makes this awareness especially exciting is that it's the physicists, themselves, who have brought consciousness and phenomenology into the conversation. "QBism (Quantum Bayesianism) suggests a split or boundary between the world in which the observer lives and that person's perception of the world," writes one researcher<sup>4</sup>. "Quantum behavior... ..forces us to rethink how we look at the universe and accept a new and unfamiliar picture of our world." writes another<sup>5</sup>.

Yet just as quantum physics has advanced towards this meeting by moving into previously uncharted waters, the same can be said about the phenomenological side of the equation. Human consciousness is far from static and is, in fact, more verb than noun. Over the eons, what we experience when we say 'I' is constantly in flux, changing right behind our eyes. And it is time for another evolutionary leap into a New Consciousness.

This is not just a subject for academic analysis. It is a *way to be*, a *way to act*, a *way to understand the world and Self* that actually adds a new dimension to being human. Nothing need change in our 3D world for 4D awareness to take place. Only our view of that world must change, based on where we stand, where we look, and what we bring to our meeting with that world.

The key to entering an event horizon, it turns out, is not trying to penetrate it from the outside, but to experience it from the inside... the place where the mathematical calculations of quantum physics and the experiential realities of phenomenology are both fulfilled.

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Indeed, the purpose of this article is to share my forty plus years of research in phenomenology with quantum physicists so you may apply my findings to your scientific theories and methods and see how they fit. In theory, this should be no more difficult than the task faced by any other researcher who has studied a subject and wishes to offer the objective results of that study to interested fellow investigators.

Phenomenological studies, however, don't all take place in a measurable, replicable environment. Similar to the subtle, acoustic relationship existing between sound waves and the interior of concert halls, each individual consciousness laboratory, every set of unique combinations of who we are, what we are, and where we are coming from cannot help but produce a unique framing in which to experience consciousness for every researcher moving towards the common goal.

Ultimately, we're headed to the pure shared consciousness within us all that is not surrounded by filters or adjectives. We are headed to the shared "I" experience that exists on the other side of the 'impenetrable' event horizon. However, unless you have the innate ability to shed your individuality at the same time you are observing yourself shedding your individuality, it takes a bit of practice and reprogramming to

get there. And while the trip is fascinating and well worth the effort, its teaching does fall outside the scope of this article.\*

What does fall within the scope of this article, however, is the following simple exercise that takes New Consciousness beyond mere abstract thought into the experiential realm. So simply consider...

...what if, tracking down a hot lead late one night in the laboratory of a competitor, you were attacked from behind, knocked unconscious...

...

...

... and come to awareness lying on your back in complete darkness with no idea of where you are or how you got there. Everything seems to be in good working order as you flex, shake out the cobwebs, and try to figure out what to do next.

Suddenly a powerful and brilliant light from above floods the absolute blackness and you are momentarily blinded by the contrast. You reflexively close your eyes and turn away. As they begin to adjust, you see that you are on the floor of a large dome shaped building... now illuminated by a single light source located high above your head.

Unable to look directly at the light because of its brightness, you realize there's no way you can answer any questions about the light with any degree of certainty. Whatever you come up with is merely speculation, and your academic training and scientific rigor will not permit you to make unsupported claims. Let's face it. There is nothing about the light you know for sure.

Well, actually, there is one thing you do know for sure... and that is what you experienced personally and first hand. The light had been off. Now it is on. Whatever else you may not know, that much you know! Right?

[Answer before moving on.]

\* \* \*

Well... Not quite.

You can certainly say, as a result of your direct knowing, that you had experienced darkness and now you are experiencing light. However you cannot say with absolute confidence that what you experienced occurred because a light, which had been off, is now on. Although that would be a reasonable explanation, it is pure

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\* See Anton Grosz, *Handbook of the New Consciousness...* experiential games and exercises designed to allow the reader to personally experience the depth of New Consciousness. Download for free at [www.rovingi.net](http://www.rovingi.net).

supposition, since there is at least one other scenario that could have produced the same experiential result.

What if a lens shaped aperture... similar to a camera shutter... had suddenly opened up in the ceiling, revealing a brilliant and powerful light source that was already on and located just above the roof on the outside of the building? The opening of the shutter would have flooded the inside of the building with light from this already illumined source.

Lying there on the floor below, your experience would be the same... a sudden change from darkness to light. And because you are unable to look at and see the workings of the light-producing mechanism because of its brightness, there would be no possible way for you to tell which of the two processes had actually taken place and changed your world. Did a light come on??? Did a lens open up??? From where you are there's no way to know. Interesting.

What is more interesting, however, and the critical issue at this point, is not even which mode of illumination is the one lighting up your otherwise dark surroundings. That doesn't matter. What does matter is the realization that...

... once it is clear that there are two equally valid and equally logical possibilities that yield the exact same sensory experience... **it becomes impossible for the rational and logical mind... your scientific mind... to hold onto any one explanation as being the only possible one.**

\* \* \*

So let's apply our experience with the light to the issue of consciousness. There's a clear relationship between mind and brain. The more evolved the brain, the more evolved the mind. We're all in agreement.

However, the presumed conclusion regarding an underlying causal relationship between the two... that as the brain grows and develops it *creates* the attributes of consciousness we call mind... turns out to be pure supposition.

Just as with the appearance of light in the mind game we just played, there's another potential explanation of the brain/mind relationship that leads to completely different conclusions about the nature of consciousness, itself.

**What if the brain, through its measurable development and evolution, rather than creating an internal light of consciousness out of dark nothingness... was actually opening us up to an awareness of a light of consciousness that already exists external to us?**

Is it possible? Why not?

Back inside the building, we couldn't tell whether the light was coming from under the roof or through a hole in the roof. In an exact parallel, looking at the source of our own consciousness, we have absolutely no way of knowing whether it's self contained within us... or flooding us through an aperture from an external source. Think about it. Once it's in our heads it's too late to tell where it came from.

Remember, all the scientific studies ever done to validate the relationship between brain and mind still hold. The more evolved the brain, the greater the capacity of the mind. Only now the brain is viewed not like a rheostat that turns on a light and makes it ever brighter. The brain now becomes a camera shutter that widens and allows ever greater access to an already-existing brightness.

What is more interesting, however, and the critical issue at this point, is not even which mode of illumination is the one lighting up your otherwise dark surroundings. That doesn't matter. What does matter is the realization that...

... once it is clear that there are two equally valid and equally logical possibilities that yield the exact same sensory experience... **it becomes impossible for the rational and logical mind...your scientific mind...to hold onto any one explanation as being the only possible one.**

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Amazing, isn't it. Two equally possible explanations of where consciousness comes from and yet only one has dominated scientific thinking for the past several hundred years. It seems so obvious. Both should be considered.

I expect there will be initial skepticism. There usually is to evolutionary change. I can just see the supermarket tabloid headline back in 1543...

#### POLISH ASTRONOMER SAYS EARTH SPINS LIKE A TOP!!!

However, when a theory holds up against material reality and measurement while taking us into new dimensions, it only makes sense to give it a shot under experimental conditions. What real scientist wouldn't do that?

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Philosophers and prophets have been saying for millennia that pure Consciousness, the "I AM" experience, is the origin of it all. The ancient Indian teachings of Kashmir Shaivism, dating back to 3000 B.C., call this Oneness, Sat-chit-ānanda... three Sanskrit words that translate Existence-Consciousness-Bliss, a view paralleled by the modern teachings of Siddha Yoga and the Integral philosophy of Sri Aurobindo.

And in western theology, when Moses asks God for his name and He responds "I AM that I AM" (Exodus 3:14) that would seem to come to the same conclusion.

Similarly, Jesus' words, "the kingdom of heaven is within you" (Luke 17:21) could not be more to the point. Plus, it should be noted that Jesus' words that have been translated from Aramaic as "I am the way" (John 14:6) could just as easily be translated as "I am *is* the way.

Well what if the experience the ancients had was intuitively correct but could not be proved simply because scientific thinking had not progressed enough to meet it half way? And what if the findings of modern quantum physics could now allow this so called subjectivity to become objective? That would be big.

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Once we recognize the commonality of the "I AM" experience and learn how to use New Consciousness to navigate it's levels, we will be connected to everything in the universe that shares "I AM" consciousness... namely everything! This adds a whole new dimension to scientific study and opens up so many potentials that had been closed, only because we didn't know where to set up shop and in which direction to look for the answers.

We can travel backwards in time to experientially trace the evolution of life on Earth. By watching ourselves as we eliminate mental capacity from human existence, we can experience the devolution of consciousness from human to animal to plant to rock... and ride it back again step by step.

Similarly, we can use the very same techniques to experience the "I" existing at the beginning of space/time and be there at the very beginning of self-aware consciousness... the ultimate contrast between total light and total dark. After all, both science and religion do agree that it all began with "Let there be light".

It's all based on contrast. "I" must know what "I" am not in order to even know "I" exist. If total light is all there is, then "I" must experience total dark to even know that "I AM". "Not long after the big bang's flash, all light left the cosmos", say the physicists<sup>6</sup>. Yes. This is why nothing in space/time exists before the Big Bang.

\* \* \*

As scientists learn to work with phenomenology we will find numerous experiential findings which are in agreement with and/or explain specific theories currently posited by quantum physics. Here are a few.

*1. Consciousness equals the speed of light squared.  $C = c^2$ .*

The material universe is created when consciousness sloughs off some of its infinite possibilities (waves), manifesting particular conceptual potentials (particles), while slowing to the speed of light, thereby creating time.

*2. Evolution is the constant creation of ever more complex material realities for housing non-material consciousness.*

One end of the spectrum, non-material consciousness. The other end of the spectrum, non-conscious materiality. 'I' live in-between and experience both, inner wave and outer particle, whatever my level of conscious awareness.

*3. Individual consciousness equals energy over matter.  $C = e/m$ .*

Matter in space/time is not conscious, but a 'housing' for conscious energy. From star to human, a being's awareness of its own consciousness is related to its ratio of energy to matter.

*4. Event horizons surround all beings in space/time where consciousness is not consistent with absolute "I" consciousness.*

Limited "I" consciousness is based on space/time assumptions that are absolutely individual, and therefore, impenetrable from the outside. This is true for humans as well as stars and galaxies.

*5. Black holes can be examined, but only from within a shared event horizon.*

By removing our own individual space/time assumptions, we can experientially return to points of inner commonality and go forward from the point of deviation using the assumptions of the black hole being examined.

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Physicists say we exist in "...a three dimensional shell around a four dimensional black hole. Our universe is that shell"<sup>7</sup>. Yes. You're right. However, we cannot hope to measure what's going on inside a four dimensional reality without becoming four dimensional. Evolution makes such a New Consciousness possible.

Our 4D 'I' and our 3D I are not the same. They have different capacities, since they exist in two different dimensional realities. Evolved 'I' exists in 4D as well as 3D... while I am limited to experiencing only through my 3D shell.

"As participants in quantum experiments, we thus become active contributors to the ongoing creation of the universe," says a physicist<sup>8</sup>. Yes. From the end of space, from the start of time, only now... [at least in this part of the universe]... am "I" able to produce a self-reflexive 3D shell [human] capable of housing a 4D understanding [human+] of the grandeur, the humor, and the mathematics of it all. "I am that I am"... inside each and every one of us... and One with everything.

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I know there are scientists out there who resonate with what is written here. I want to hear from you so I may humbly offer you my life's work... my experiments in consciousness, my readings and meditations, inner games and outer practices, academic papers and fanciful allegories, reasoned insights and blow-your-mind experiences. How do they fit with your theories, your numbers, your life's work? How might we work together to take human knowledge to the next level of evolution?

"Could it be that a dark matter scientist has turned its attention to its skies and is wondering about us?" say two more physicists<sup>9</sup>. Yes, my friends, I have. And I am reaching out to you right now through the event horizon between us.

Where is Sheldon Cooper when you really need him?

\* \* \*

peace.....ag  
antongrosz@icloud.com  
[www.rovingi.net](http://www.rovingi.net)

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<sup>1</sup> All of the quotes cited are found in *Physics at the Limits*, Scientific American, Special Edition, Winter 2015.

<sup>2</sup> Meinard Kuhlmann, *What Is Real?*, p85

<sup>3</sup> Joshua Frieman, *Seeing In The Dark*, p48

<sup>4</sup> Hans Christian von Baeyer, *Quantum Weirdness? It's All In Your Mind*, p97

<sup>5</sup> Vlatko Vedral, *Living in a Quantum World*, p100

<sup>6</sup> Michael D. Lemonick, *The First Starlight*, p13

<sup>7</sup> Niayesh Afshordi, Robert B. Mann, and Razich Pourhasan, *The Black Hole at the Beginning of Time*, p6

<sup>8</sup> von Baeyer, p97

<sup>9</sup> Bogdan A. Dobrescu and Dan Lincoln, *Mystery of the Hidden Cosmos*, p69

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