

Death, Instinct, Birth

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Abstract -

I think everything in the universe, as well as in every century, is really only one thing. So life and death can't be separate things. What we call death must really be continuation of life in a manner unknown to Earth. If animals and humans are quantum entangled with every point in space-time, such a condition would allow animals to automatically, or instinctively, do and know things beyond their individual reasoning abilities. Think of the possibilities if this principle is applied to human consciousness. We could acquire knowledge that's presently considered unknowable! We could do things considered impossible!

If only life exists, what we term "our lives" has to be continuation of a life we had prior to being born on this planet. Presumably, life before birth is identical to life after death. I think the unknowable and the impossible always exist because the knowledge we gain throughout history, and into future centuries, gradually builds into godlike abilities which transcend the barrier of time apparently only moving forwards.

Continuing the theme of humanity's future godlike abilities - Einstein told us space and time are curved and warped. This allows evolution to be restricted to adaptations and relatively minor modifications within species. Their origin is plausibly explained by human biotechnology from centuries in the future finding its way into the distant past.

Article -

The entire universe, along with all of the past and present and future, appears to be becoming unified by our science into one entity/event. Consider the 19th century's union of electricity and magnetism into the one force of electromagnetism (light, and every type of radiation, are forms of this). Consider the unifying attempts of Einstein's Unified Field Theory, as well as the union of space and time into space-time, in the 20th century - and of physics' subatomic String Theory and Theory of Everything in the 21st century. A vital player in this trend is quantum mechanics, with its experimentally verified quantum entanglement that says particles can affect each other regardless of distance in space-time.

I wonder what happens when pets die. I think everything in the universe, as well as in every century, is really only one thing. This is similar to all the images and sounds in a DVD. They're all part of one DVD. So life and death can't be separate things. What we call death must really be continuation of life. It's just life in a form we can't perceive.

Of course, people must also continue life in an unknown manner when they die. That life cannot be in the familiar physical body that no longer functions. Perhaps it doesn't

continue in any physical form at all. Science has known since the 19th century that neither matter nor energy can be created or destroyed, but only change form (including into each other). Maybe the energy of our minds is no longer restricted to one body and brain. Could it be free to roam anywhere and everywhere in space-time? This would give it access to unimaginable information and viewpoints.

Perhaps there is some sort of body. Partial independence from a physical body may be possible via

an immaterial body designed in the far future. This necessarily involves much speculation and involves the development of an all-powerful, all-knowing, omnipresent human body composed of photons and gravitons, and quantum entangled with every point in space-time, for the purpose of overcoming the limits of biological bodies – or of biological bodies incorporating computer and robotic systems.

In 1925, the Austrian physicist Wolfgang Pauli discovered the exclusion principle.[1] This says two similar particles cannot have both the same position and velocity. If two electrons could have identical positions and velocities, they could all collapse into a roughly uniform, dense “soup”. Protons and neutrons would do the same, and there would be no well-defined atoms. So we need the exclusion principle. Force-carrying particles like photons and gravitons do not obey the exclusion principle so we might assume the immaterial body wouldn't be well-defined and would collapse into a ghostly soup.

But perhaps a well-defined structure can be built if the photons are first stopped (or significantly slowed, since stopping them may destroy them [2])* before they're collected and substituted for the body's particles. The beginnings of this technology may be underway. [3]. Reference 3 says "... two photons end up sticking together and move forward just like a two-atom molecule."

* The universe is the things in space and time and, since General Relativity says gravitation is the warping of space-time, the universe is a giant gravity field. Gravity does not need to travel – the gravitational field already exists everywhere. Nevertheless, any disturbance (from the waving of your hand to explosion of a supernova) will send ripples called gravitational waves through the universe. Since gravity makes electromagnetism,** the universe is also a giant electromagnetic field. Electromagnetism is ubiquitous and doesn't need to travel, but any disturbance sends out electromagnetic waves. In this way, photons in the giant electromagnetic field which aren't travelling because of disturbances might be regarded as "already stopped".

** When Einstein penned $E=mc^2$, he used c (c^2) to convert between energy units and mass units. The conversion number is 90,000,000,000 (light's velocity of 300,000 km/s x 300,000 km/s) which approx. equals 10^{11} . Gravity waves with a strength of 1 are, via quantum gravitational lensing, concentrated to 10^{25} times gravity's strength, the weak

nuclear force's strength[^] - giving the illusion that a weak nuclear force that is not the product of gravitation exists. Waves are magnified by the matter's density to achieve electromagnetism's strength (10^{36} times gravity's strength) i.e. 10^{25} is multiplied by Einstein's conversion factor [10^{11}] and gives 10^{36} (this gives the illusion of the existence of electric and magnetic fields that are not a product of gravitation). After absorption by atoms, the depleted remnant of the gravity waves is re-radiated from stars, interstellar gas and dust, etc. It's radiated as gravitational waves (a Gravity Wave Background, challenging the idea that Cosmic Inflation was necessary to generate gravitational waves). These have lost most of their energy or strength during formation of forces (returning to a strength of 1). Since gravity can produce electromagnetism, it's also radiated as electromagnetic waves – including an infrared background whose heat output exceeds that of the stars alone, in addition to a microwave background. The latter challenges the idea that existence of the cosmic microwave background proves the universe began with a Big Bang.

[^] Remember, this is only one example: the so-called weak force's strength isn't constant and varies with distances. ("The Strengths of the Known Forces" by theoretical physicist Matt Strassler [May 31, 2013] - <http://profmattstrassler.com/articles-and-posts/particle-physics-basics/the-known-forces-of-nature/the-strength-of-the-known-forces/>)

Returning to the subject of pets - could the instincts of animals (plus the smaller number of human instincts) result from all things in space-time being connected as though they are part of a single DVD? Or to phrase it differently, because animals and humans are quantum entangled with every point in space-time? Such a condition would allow animals to automatically, or instinctively, do and know things beyond their individual reasoning abilities.

Think of the possibilities if this principle is applied to human consciousness. We could acquire knowledge that's presently considered unknowable! We could do things considered impossible! If everything throughout space-time makes up one thing in reality, and life is known to exist, then there can only be life. What we call death is actually continuation of life in a manner completely alien to Earth-bound people.

And what we term "our lives" has to be continuation of a life we had prior to being born on this planet. Presumably, life before birth is identical to life after death. If we learn the unknowable and do the impossible after death, our lives before birth must have been filled with the unknowable and the impossible. The profoundest knowledge, and miracles, have always existed and always will. But I don't believe life on Earth is merely to experience the viewing of life within a limited framework.

I think the unknowable and the impossible always exist because the knowledge we gain throughout history, and into future centuries, gradually builds into godlike abilities which transcend the barrier of time apparently only moving forwards. In the TV program

"Custom Universe – Finetuned For Us?": Australian Broadcasting Corporation's "Catalyst", August 29 2013), Dr. Graham Phillips said, "(The physicist and writer) Paul Davies thinks the universe is indeed fine-tuned for minds like ours. And who fine-tuned it? Not God, but minds from the future, perhaps even our distant descendants, that have reached back through time ... and selected the very laws of physics that allow for the existence of minds in the first place. Sounds bizarre, but quantum physics actually allows that kind of thing."

Continuing the theme of humanity's future godlike abilities - even though Einstein told us space and time are curved and warped, we insist on limiting ourselves to a purely linear concept of time. Such a concept means Darwinian evolution is the only possible explanation for the origin of species. But Einstein's nonlinear time allows evolution to be restricted to adaptations and relatively minor modifications within species. Their origin is plausibly explained by human biotechnology from centuries in the future finding its way into the distant past.

References not mentioned in the text

[1] Hawking, S. W. – "A Brief History of Time" – Bantam Press, 1988, pp. 68-69

[2] "Understanding the Universe: An Introduction to Astronomy, 2nd Edition" by Professor Alex Filippenko - video from The Great Courses, 2007 (Lecture 20 - "The Wave-Particle Duality of Light" - says a photon is a massless particle when at rest, and would cease to exist if stopped)

[3] Palus, S. - "Turning Light into Matter - Physicists have created a device that binds photons together to form "light molecules." - Thursday, March 13, 2014 (<http://discovermagazine.com/2014/april/6-how-to-make-light-matter>)