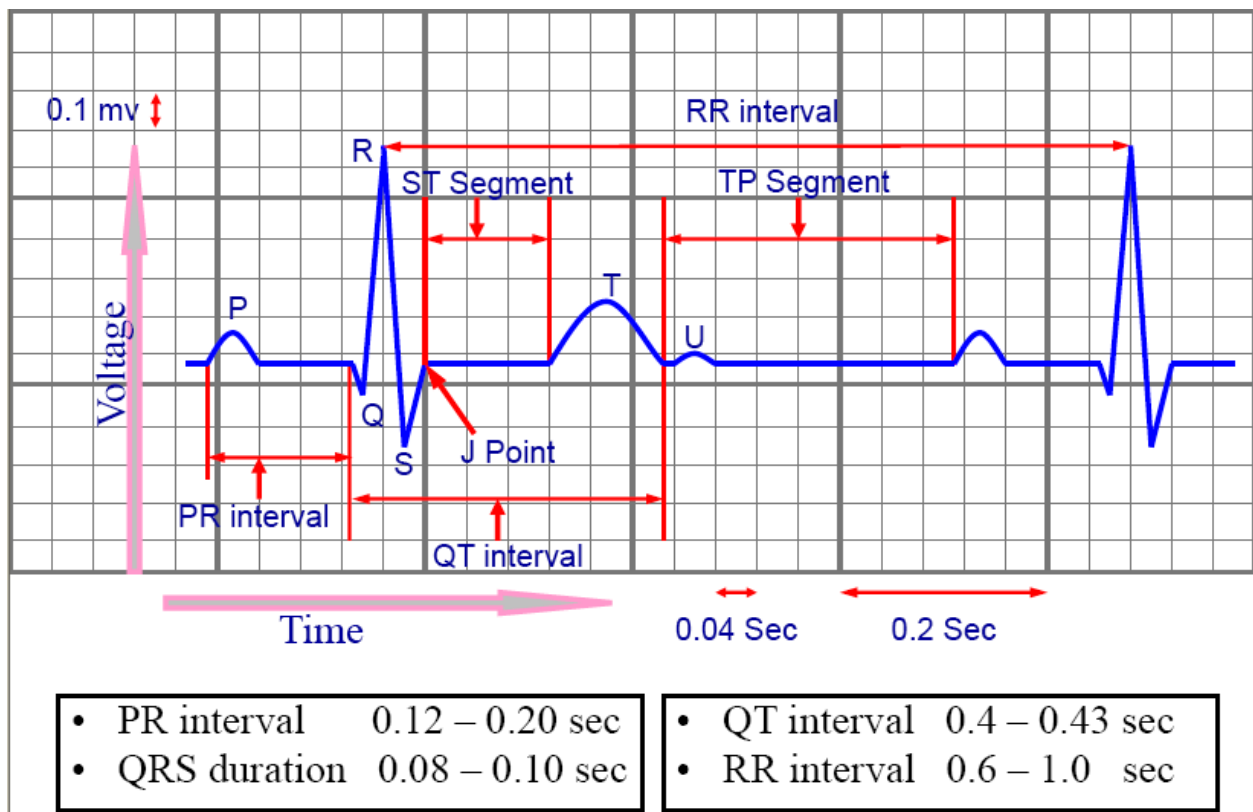


The NOE Hypothesis stipulates that Mead and Ringermacher have discovered the 'heartbeat' of the UNKNOWABLE, the Deity, or the Cosmic Logos as he is pumping LIFE!



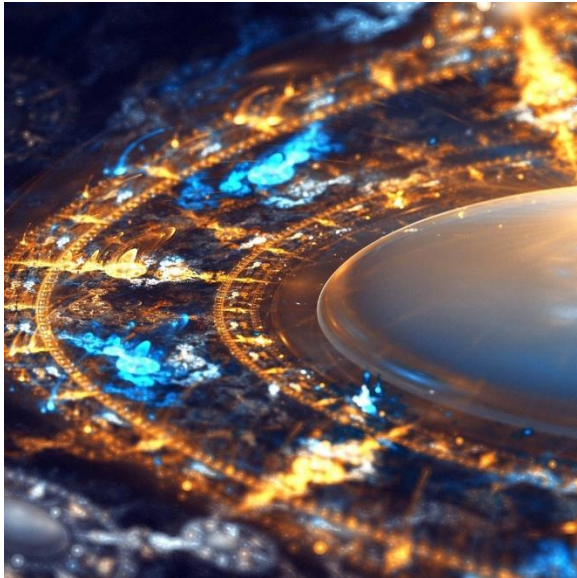
<http://howmed.net/physiology/electrocardiogram-ecg/>

Is the universe ringing like a crystal glass?

Time

The definition of time has contrasting view points from the perspective of physicists: one view is that time is part of the fundamental structure of the universe, a dimension in which events occur in sequence. The opposing view is that time does not refer to any kind of "container" that events and objects "move through", nor to any entity that "flows", but that it is instead part of a fundamental intellectual structure (together with space and number) within which humans sequence and compare events.

The above definition of time does not account for consciousness.



Time is that cycle, greater or lesser, in which some life runs some specific course, in which some particular period begins, continues, and ends, in connection with the awareness of some Entity, and is recognized only as time when the participating life has reached a considerable stage of awareness. Time has been defined as a succession of states of consciousness. We might, therefore, consider time as that process of activity, or that progression in development, wherein the indwelling Consciousness is seeking its opposite (Quantum Entanglement). The duration of the interplay, the period of the search of Spirit for Spirit, and the vibratory process necessitated by the utilisation of the form, this we call Time, whether in connection with a man, a planetary Logos, or the Deity.

Exactly what does the above mean? Here is an example: the Solar Logos has a heartbeat every 11 years. Science calls this the solar flare cycle. In reality the Solar Logos is pumping life into the solar system. We live, on average, in only 7 heartbeats for him. He measures time differently from us.

Blavatsky (Secret Doctrine, Third Edition) stated it beautiful as follows:

"2. TIME WAS NOT, FOR IT LAY ASLEEP IN THE INFINITE BOSOM OF DURATION.

"Time" is only an illusion produced by the succession of our states of consciousness as we travel through Eternal Duration, and it does not exist where no consciousness exists in which the illusion can be produced, but "lies asleep." The Present is only a mathematical line which divides that part of Eternal Duration which we call the Future, from that part which we call the Past. Nothing on earth has real duration, for nothing remains without change—or the same—for the billionth part of a second; and the sensation we have of the actuality of the division of Time known as the Present, comes from the blurring of the momentary glimpse, or succession of glimpses, of things that our senses give us, as those things pass from the region of ideals, which we call the Future, to the region of memories that we name the Past. In the same way we experience a sensation of duration in the case of the instantaneous electric spark, by reason of the blurred and continuing impression on the retina. The real person or thing does not consist solely of what is seen at any particular moment, but is composed of the sum of all its various and changing conditions from its appearance in material form to its disappearance from earth. It is these "sum-totals" that exist from eternity in the Future, and pass by degrees through matter, to exist for eternity in the Past. No one would say that a bar of metal dropped into the sea came into existence as it left the air, and ceased to

Madonna-Megara Holloway

exist as it entered the water, and that the bar itself consisted only of that cross-section thereof which at any given moment coincided with the mathematical plane that separates, and, at the same time, joins, the atmosphere and the ocean. Even so of persons and things, which, dropping out of the "to be" into the "has been," out of the Future into the Past—present momentarily to our senses a cross-section, as it were, of their total selves, as they pass through Time and Space (as Matter) on their way from one eternity to another: and these two eternities constitute that Duration in which alone anything has true existence, were our senses but able to cognize it."

The reason I noted this passage is that she is actually referring to Quantised Time. The quantisation of time -- the existence of the chronon as time's smallest quantum -- leads to an explanation of the arrow of time. Quantised Spacetime moves us towards extended particles -- elementary particle building blocks that aren't just dimensionless points, but that have extended dimensions, as suggested by the Spirilla Hypothesis which is part of The NOE Hypothesis.

Now, two physicists at The University of Southern Mississippi, Lawrence Mead and Harry Ringermacher, have discovered that the universe might not only be expanding, but also oscillating or "ringing" at the same time. Their paper on the topic has been published in the April 2015 issue of the *Astronomical Journal*.

In 1978 Arno Allan Penzias and Robert Woodrow Wilson received the Nobel prize for their 1964 discovery of the key signature of this theory, the primal radiation from the early universe known as the "cosmic microwave background" (CMB).

"Then in 1998 the finding that the universe was not only expanding, but was speeding up, or accelerating in its expansion was a shock when it was discovered simultaneously by east coast and west coast teams of astronomers and physicists," said Mead. "A new form of matter, dark energy, repulsive in nature, was responsible for the speed-up. The teams led by Saul Perlmutter, Adam Riess, and Brian Schmidt won the 2011 Nobel Prize in Physics for that discovery."

According to Mead and Ringermacher, this change from slowing down to speeding up (the transition time) took place approximately 6 to 7 billion years ago. Since then, Mead and Ringermacher say a vast accumulation of high-tech data has verified the theory to extraordinary accuracy.

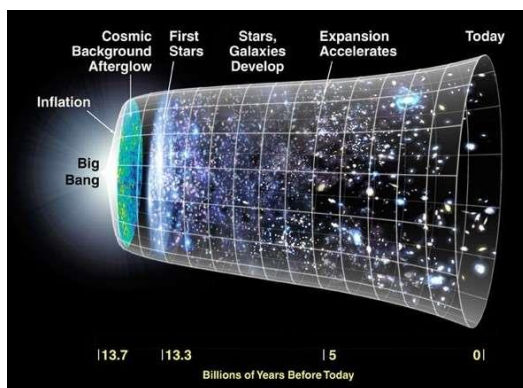


Figure 1 is a NASA diagram representing the events of the Big Bang from the beginning of time to the present day as described by the current, accepted model known as "Lambda CDM" or Lambda Cold Dark Matter, where the Greek Lambda stands for Einstein's "cosmological constant". This cosmological constant is responsible for the acceleration of the universe. The outline of the "bell-shaped" universe represents its expanding size. The transition time is the point in time at which the bell shape shifts from going inward to outward from left to right.

"The new finding suggests that the universe has slowed down and speeded up, not just once, but 7 times in the last 13.8 billion years, on average emulating dark matter in the process," said Mead. "The ringing has been decaying and is now very small – much like striking a crystal glass and hearing it ring down."

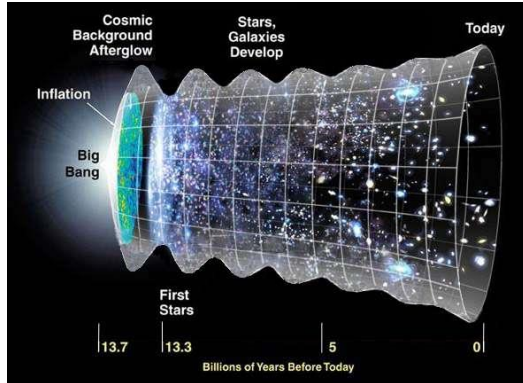


Figure 2 shows the new finding superposed on the Lambda CDM model of Figure 1. The oscillation amplitude is highly exaggerated, but the frequency is roughly correct. Ringermacher and Mead have determined that this oscillation is not a wave moving through the universe, such as a gravitational wave, but rather it is a "wave of the universe".

Ringermacher says the discovery was made accidentally when, through their collaboration on [dark matter](#) modeling of galaxies, they found a new way of plotting a classic textbook graph describing the scale of the universe against its age (lookback time) that did not depend on one's prior choice of models of the

universe – as was traditional.

"The standard graph, the Hubble diagram, is constructed by astronomers observing the distances of Type 1A Supernovae that serve as "standard candles" for measuring the expansion of the universe," said Ringermacher. "Analyzing this new plot to locate the transition time of the universe, we found there was more than one such time – in fact multiple oscillations with a frequency of about 7 cycles over the lifetime of the universe. It is space itself that has been speeding up its expansion followed by slowing down 7 times since creation."

Mead and Ringermacher say this finding must ultimately be verified by independent analyses, preferably of new supernovae data, to confirm its reality. In the meantime, their work into the "ringing" of the [universe](#) continues.

The NOE Hypothesis stipulates that Mead and Ringermacher have discovered the 'heartbeat' of the UNKNOWABLE, the Deity, or the Cosmic Logos and as described above with the Solar Logos he is pumping LIFE! He measures time differently than atoms, humans, or the Solar Logos.

Read more at: <http://phys.org/news/2015-06-universe-crystal-glass.html#jCp>

More information: "Observation of Discrete Oscillations in a Model-Independent Plot of Cosmological Scale Factor versus Lookback Time and Scalar Field Model," H. I. Ringermacher & L. R. Mead, 2015 April, *Astronomical Journal*, Vol. 149, No. 4, 137 [dx.doi.org/10.1088/0004-6256/149/4/137](https://doi.org/10.1088/0004-6256/149/4/137), Arxiv: arxiv.org/abs/1502.06140

"Model-independent Plotting of the Cosmological Scale Factor as a Function of Lookback Time," H. I. Ringermacher & L. R. Mead, 2014 November, *Astronomical Journal*, Vol. 148, No. 5, 94 [dx.doi.org/10.1088/0004-6256/148/5/94](https://doi.org/10.1088/0004-6256/148/5/94), Arxiv: arxiv.org/abs/1407.6300

To learn more about Ringermacher and Mead's research, visit Ringermacher's website at ringermacher.com/. For more information about the Department of Physics and Astronomy, visit www.usm.edu/physics.

Read more at: <http://phys.org/news/2015-06-universe-crystal-glass.html#jCp>