

Conversation with The Earth and The Virus.

This conversation began in around 2015 September- during Earth Hour meditation. I am writing it down in the form of a summary.

Main points:

Gaia, The Earth

- not concerned with the state of the Earth surface and marine biosphere. The biggest concern is cooling off of the Earth crust - the lithosphere, which is worsened by the cooling off of the Earth atmosphere. Even a relatively small decline by a few degrees shifts downwards the heat-generating thermophilic nanobacteria/archaeobacteria inhabiting a very large lithospheric volume beginning from a short distance from the surface, extending deep downwards towards the mantle. The upper limit of the thermophilic heat producing bacteria shifts gradually downwards as the temperature declines, reducing the volume of the heat generating zone and thus also reducing the total heat production that accelerates the cooling trend. Once the lithospheric heat producing zone shrinks downwards, it takes a very long time, even in the geological time scale, to expand the heat generating zone back up even if the temperature increases. This is because the bacterial biosphere in the lithosphere would have to be rebuilt by transporting the live bacterial flora from the deeper layers upwards. This process is mediated by up-welling in the volcanic vents and is very patchy, occurring only in some localized areas, at any given time.
- Warming up of the Earth's atmosphere or decelerating its cooling rate, attributed to human activity, was desirable and has helped to slow down the decline of lithospheric heat production.

The Virus

- The first viral RNA molecule, that is the first form of life as we know it, was synthesized by Pan consciousness. The link between The Virus and Pan as its creator is continually being maintained in the present time. From our point of view The Virus and Pan consciousness may be considered to be parts of the same system or "family". This gave rise, eventually to other forms of Life, from bacteria, fungi, to animals and plants. The very first forms of bacterial life lived deep inside the Earth lithosphere utilizing available chemical energy and synthesizing more chemical energy by stimulating beta nuclear decay of initially abundant radioactive isotopes of Potassium 40, to Calcium 40. The stimulated beta decay of $K40 \rightarrow Ca40$ was taking place on the cellular membranes, by forming and concentrating the coherent quantum condensate of K40 and Ca40 on the cellular membranes of the microorganisms. The particular cells that performed this process had a shape of long filaments like modern day fungi. The release of ionizing

radiation produced chemical reactions and byproducts that were utilized by the new cells surrounding the cells that died in the process, plus extra energy was released which maintained the overall temperature level within the rocks. The process was self-regulating. This process is still going on at present (through some forms of microorganisms) although at much reduced intensity due to severe depletion of Potassium 40 isotope. This is the main reason behind the cooling off of the Earth lithosphere and the main reason behind the frozen state of the present Martian lithosphere that lead to a loss of its atmosphere and biosphere. It is the desire of Pan and Gaia to avoid this happening on Earth, by replacing the declining heat generation through stimulated beta decay of Potassium-40, or by other biological means. (It is also desirable, as was stated by its consciousness, to reverse what happened on Mars by restarting its lithospheric heat generation using lifeforms and different processes, but *not through other destructive non-biological measures.*)

-
- *Explanation note (written 10/01/2018): by the “not through other destructive non-biological measures” Gaia and Mars were referring to one of my thought/questions I asked, about a feasibility of reviving Martian atmosphere and Martian lithosphere by throwing asteroids on its surface, to revive active volcanism. The answer was “no, there is a better way”. I do not yet know what that better way is, other than perhaps by potassium-40, which is remaining only in a very small amount.*

Stan Bleszynski