

## Can a human be conceived on Mars?

The essay

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Space biology is suffering due to a wrong physical background.  
Thus answers to such (and related) questions are not easy

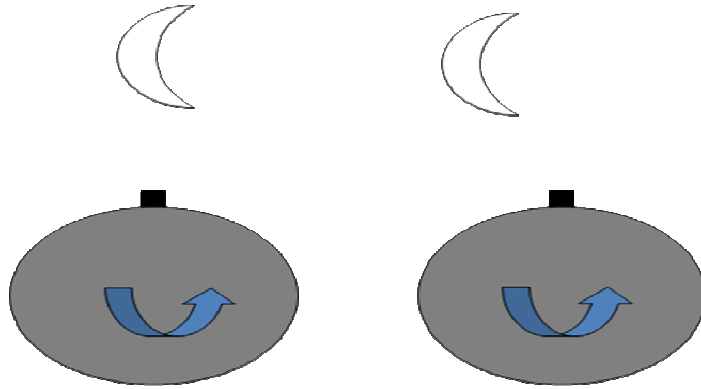
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Living in a world of distorting mirrors of the Standard Model of physics, space biology for more than 40 years has been forced to „dig in darkness”. Using current technology, satellites usually orbit Earth very fast - thus International Space station orbits Earth some 15 times a day. This leads to several problems:

1) Due to fast movement of satellites biorhythms of cosmonauts are disrupted. This lead to troubles with immune system (cf. Castanon-Cervantes O. *et al* , 2010) and sleep of cosmonauts,

2) We may not have an adequate amount of data about performance of human body in space in sustainable conditions.

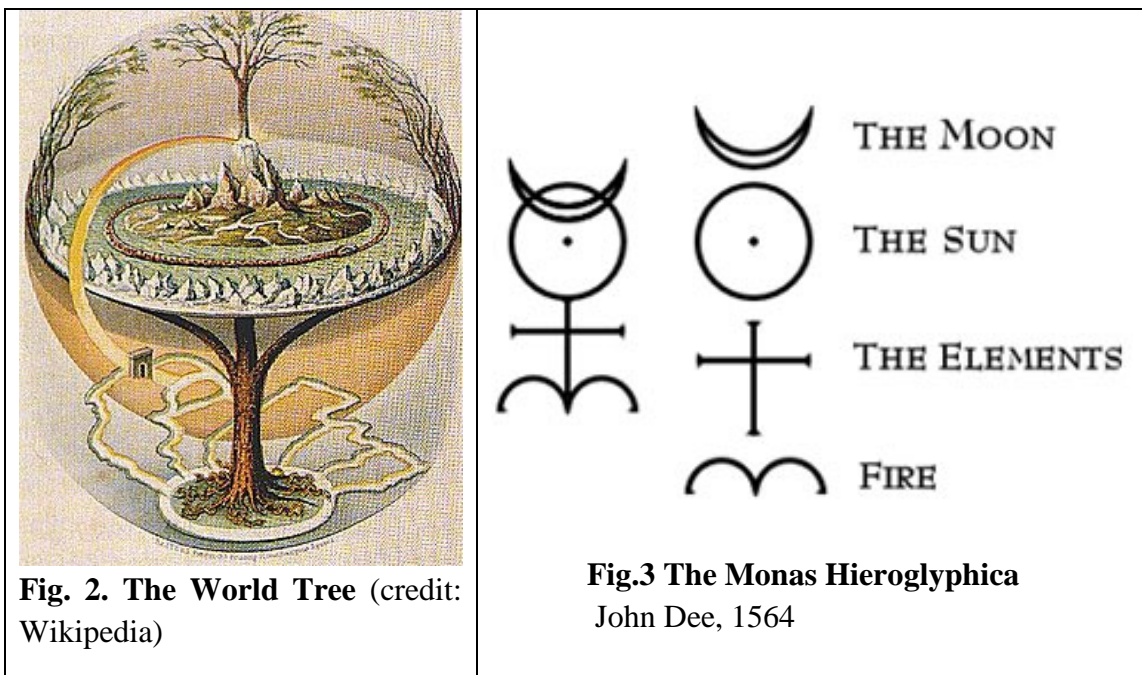
If we return to influence of cosmic factors to human body, chronobiology finally had rediscovered the truth – the biological clock is not governed by genes (Zivkovic, 2011). Perhaps some 50 years will be necessary until scientists can take courage to admit the next truth - that the „circadian rhythm” is driven by the position of the Moon (Fig.1). (This is the reason why reportedly chickens do not hatch in space and women, as far we can read between lines, lost their cycles while in space).



**Fig.1 Position of the Moon-driven main biorhythm on Earth- 24.8h.** While Earth makes one complete revolution, the Moon is no more over the heads of living objects (indicated by the black square) because Moon also revolves around the Earth. So it takes extra 50 minutes in order to finish one biorhythm cycle.

Additional 50 years perhaps will be necessary in order to acknowledge several non-electromagnetic influences from the Sun (detected by Reich, Kozyrev, Bortels, Shnoll, Piccardi and others more then 50 years ago (Alksnis, !!!)).

Living mater is known to react to all known and several hypothetic physical factors - like the repulsive part of the „unified field”, „torsion field”, „spinning-liquid field” as well as to direction of uniform daily rotation (plants- Jones, 1960). Previously we had connected these facts with the origin of life concept (Alksnis, 2011). Living matter uses the mentioned „smart energies” for its life processes and automatically adapts to changes of their stream („energetic homeostasis”, suspected by Kaznacheev and colleagues). Symbolic understanding of this can be pictured as the ancient World Tree (Figs. 2,3).



**Fig. 2. The World Tree** (credit: Wikipedia)

**Fig.3 The Monas Hieroglyphica**  
John Dee, 1564

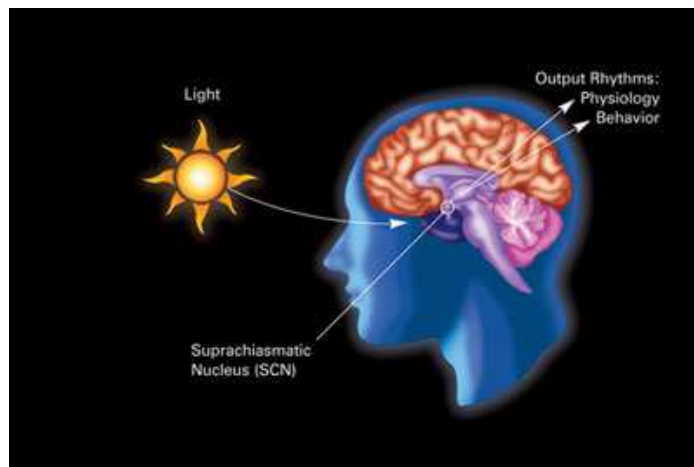
Thus on Earth's surface our bodies are believed to be in energetic equilibrium with the following physical factors:

1. „Unified field” of the Earth,
2. „Spinning-liquid field” from Earth's mantle.
3. Light.
4. Temperature.
5. Technogenous radiation.
6. Rotation with the Earth surface
7. Tidal modulation of Earth's „unified field” by the Moon.
8. Tidal modulation of Earth's „unified field” by the Sun.
9. Cosmic radiation.
10. „Spining liquid field” of the Sun (Prana).
11. Modulation of Earth's „spinning liquid field” by Jupiter, galactic centre, solar activity etc.

As Mars is a geologically dead body and has no large satellites like Moon, overall picture is simpler.

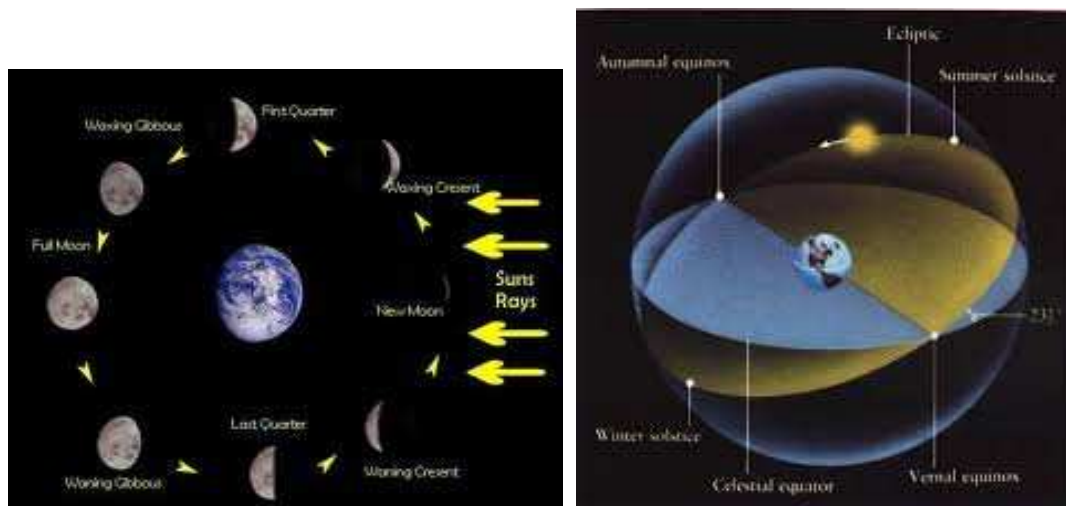
1. „Unified field” of Mars will be up to ten times weaker, that on Earth (due to lower mass).
2. Modulations of „unified field” from the Sun's „tidal force” according to inverse cube law will be some 16 times weaker that on Earth.
3. Body of Martian colonist will receive no „spinning-liquid field” from Mars interior, significantly less amount of it- from the Sun.
4. Jupiter and Saturn emerge as sources of „spinning-liquid field” on Mars. As this influence will be out of rhythm with Martian seasons, effect might be chaotic.
5. Amount of light from the Sun will be reduced but transparency of Martian atmosphere will compensate it.
6. No technogenous radiation but more cosmic radiation on Mars.

Thus light appears to be the single natural *Zeitgeber* for biological rhythms on Mars surface (Fig.4) (and overload of light dependent biological clock machinery may occur).



**Fig.4 Mechanism of light-dependent biological clock. On Earth regulates only part of body processes. The larger part of biorhythms is believed to be regulated *via* changes in body water, caused by change of positions of the Moon and Sun (Fig.5,6).**

People, who had asked themselves for more than 70 years, what the cause for part of our muscle being contracted or part of our nerves being irritated is (which is necessary for proper functioning of body) have concluded, that the proper answer should be geophysics. The same answer postulated Pasteur for explanation of asymmetry of molecules in living matter. There will be no „geophysics” on Mars, of course.



**Fig. 5,6. Angular aspects of position of the Moon and the Sun, which are believed to modify the unified field of the Earth and therefore non-electromagnetically regulate the biological clock.**

So we can predict that chronic fatigue syndrome and perhaps also changes in colonist’s psychology might be unavoidable until a proper artificial biological clock driver will be created, though it remains uncertain whether it will be enough for people to be able to conceive.

We encourage space biologists to abandon their centrifuges, random-positioning machines, genetic experiments, etc. and look more holistically to the human body. Adaptation for life on Mars’ surface will be undoubtedly a big challenge for science and technology.

Today science is clearly not even close to ready.

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