

The questions raised by the findings of Montagnier et al

Montagnier's Experiment (<http://arxiv.org/abs/1012.5166>): Two chambers A and B. A contained water and genes and B water and DNA nucleotides. There were channels between the chambers but so thin that DNA could not get through. Besides this there was present em field with 7 Hz frequency. Same genes as in A appeared also in B. As if remote replication of genes in A had happened in B. Gariaev has reported similar phenomenon already before Montagnier et al.

How did the genetic information pass to B and how the **remote replication** took place. Somehow the radiation made the remote metabolism possible or at least more probable. Clearly the information about gene - not only about codons but also about their order and relative positions - should have been communicated from A to B.

There are two hints.

1. The nominal value of the lowest **Schumann frequency** is 7.8 Hz, not far from 7 Hz. Could one think that macroscopic quantum coherence in the scale of Earth was involved. 7.8 Hz correspond to wavelength equal to circumference of Earth.
2. Endogenous magnetic field $B_{end} = .2$ Gauss identifiable as the monopole flux part of the Earth's magnetic field $B_E = .5$ Gauss explains the findings of Blackman and others about quantal looking effects of radiation at frequencies which are multiples of cyclotron frequencies of biologically important ions. The **cyclotron frequency of K ion** is 7.1 Hz. The flux tubes with length of corresponding cyclotron frequency are also of the order of Earth circumference.

This raises several questions.

1. Did water generate flux tubes with magnetic field with frequency equal to 7 Hz and strengthening coupling to a radiation with Schumann frequency or K cyclotron frequency or both so that the communications with the MB of Earth or/and layer of MB corresponding to K cyclotron was strengthened? The mechanism of **water memory** would be involved.
2. Did this make the remote replication more probable? How?
3. What DNA actually looks like in TGD Universe? What actually happens in DNA replication? What could happen in remote DNA replication?