

There are two especially fascinating crop circle formations: Chilbolton and Crabwood. The `\blockquote{realistic}` interpretation is of course as a clever hoax. But one also take for a moment take the role of true believer and take the formations seriously. In this mood both formations suggests very strongly the interpretation as a message from an intelligent civilization perhaps living at parallel space-time sheets in our solar system. If one takes the fact that most of matter and energy is dark, it is not so difficult to imagine that we might not be the only intelligent creatures in the Universe, or even in solar system. One can of course take this chapter as just a play with thoughts, kind of entertainment – light-hearted outcome of theoreticians free day.

`\vm{\it 1. Genetic codes of aliens}\vm`

In New Ageist mood the interpretation of the Crabwood message as a representation for the genetic codes of alien life forms is suggestive. If this interpretation is accepted, the crop circles allow to deduce a lot of information about the genetic code and other bio-codes associated with these life-forms.

`\begin{enumerate}`

`\item` The message suggests strongly the existence of also doublet code besides two triplet codes and this inspires a simple model for our genetic code allowing to see the code as resulting from much simpler product code by a small symmetry breaking due to the interaction between singlets and doublets. Also various alien codes results in the same manner. This has deep implications for the theories how the life at the molecular level has involved.

`\item` The model suggests strongly that DNA triplets have resulted as

a fusion of DNA singlets and doublets defining simpler genetic codes. My bio-chemical knowledge does not allow to test this hypothesis. It turns out that one can deduce surprisingly detailed information about the alien genetic codes. In fact, almost unique codes result if one accepts the proposed model of the genetic code having symmetries obeyed also by our genetic code.

\item The Chilbolton message tells that also silicon is of fundamental importance for this life-form at DNA level. Crabwood message contains a variant of genetic code for which the simplest interpretation is that DNA doublets of form XA are effectively doubled: perhaps doublets of form XA_S besides XA , where XA_S denotes a compound of A and silicon, have emerged. This increases the number of DNA triplets from 64 to 80 and thus also the information content of the genetic code. Same could have occurred to one member of the 7-plet composing aminoacids and increased the number of amino-acid like molecules by three: this in turn would increase the expressive power of the genetic code. The difference between man and ape is enormous although genetic codes are almost identical. It is impossible to even imagine the level of intelligence of these creatures as compared to that of us. The silicon insertions to the DNA and amino-acids bring in mind symbiosis with a silicon-based nano-computers.

\item Chilbolton message contains two different DNA strands. This could have several interpretations. DNA could indeed be asymmetric. Alternatively, there could be two genetic codes for the same life-form: the 80 DNA-23 amino-acid code would involve silicon and could perhaps give rise to a living arithmetic processor. The third option is that there are two separate life-forms involved. 64-DNA code would be associated with the plasmoidic life-forms. The fact that the Sun, whose convective zone contains a magnetic field of order Tesla making it an ideal

environment
 for this life-form, is described to be smaller than in Arecibo
 message,
 suggests that this life-form populates also solar magnetosphere. The
 plasmoidic life-forms could serve as kind of less intelligent medium
 like
 messengers, quantum entanglers, making possible a telepathic sharing
 of
 mental images between members of different civilizations. The light
 balls
 observed near crop formations would represent this life-form. Also
 UFOs
 could be identified as plasmoidic life-forms inducing telepathic
 encounters with the alien life-forms. The biology of the more
 intelligent
 life-form would be based on 80 DNA-23 amino acid code, which could
 live
 even outside the solar system.
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The very general symmetries deduced from our own genetic code fix
 the
 identification of the alien codes highly uniquely. All these codes
 result
 by the same universal mechanism, and are characterized by the same
 imbedding of the aminoacid space to the DNA space implying that a
 considerable part of the code is universal. The symmetries are the
 exact
 A-G permutation symmetry and the almost exact T-C permutation
 symmetry for
 the last base of the DNA triplet, and the approximate decomposition
 to a
 product of codes associated with DNA doublets (the first two bases
 of
 triplet) and singlets (the third base of triplet). The success of
 this
 model inspires the view that molecular life first evolved to form
 DNA
 singlets and doublets coding for 2-plet {\it resp.} 10-plet of
 \blockquote{pre-aminoacids}. After that DNA doublets and singlets
 fused to triplets
 coding for the ordinary aminoacids, which are perhaps an outcome
 from the
 fusion of the two kinds of \blockquote{pre-aminoacids}. \$2\times
 10\$ dichotomy might
 relate to the hydrophilic-hydrophobic dichotomy for the
 aminoacids.

\vm{\it 2. Where do the messages arrive from?}\vm

The messages responsible for the crop circles should come from our
 solar
 system, perhaps from terrestrial magnetosphere or solar

magnetosphere. Time mirror mechanism allows to consider also the possibility (suggested by the time interval of year and one day between the messages) that the messages arrive from a distant geometric future and tell about the genetic codes of future civilizations living in the solar system.

\vm{\it 3. Where do the life forms assignable to the genetic codes live?}\vm

One can consider several identifications of the biological life forms assignable to the codes using Chilbolton message as a hint. These life forms could live in Earth, Mars, Jupiter, perhaps as intra-planetary, say intra-terrestrials at various boundaries such as mantle-core and core-inner core boundary. Even the photosphere of Sun could be populated.

The notions inspired by the dark matter hierarchy, in particular the notion of N -molecule, allow to consider seriously the existence of biological life forms able to cope in high temperature environments, and one can build rough view about what high- T life should look like. The experimental signature of N -molecules are spectral lines of corresponding ordinary molecules in environments where they are not thermally stable. In the solar photosphere the spectral lines of water and solid calcium ferrite have been indeed observed. Without exaggerating one can say that the systematic search of these spectral lines might revolutionize our world view.

To sum up, the proposed model for crop circles can be taken as a joke, or as an intellectual entertainment analogous to solving crossword puzzle. It is however amusing that the proposal inspired by the model suggesting the existence of large underground seas has been found to be true!

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