## Chapter 15

## Chapter VI: The Location of Meaning

'Twas brillig, and the slithy toves Did gyre and gimble in the wabe: All mimsy were the borogoves, And the mome raths outgrabe. — Jabberwocky

## 15.1 Questions

- 1. Is meaning the interaction of a mind (or mechanism) and a message, or is it inherent in the message?
- 2. Define information-bearer.
- 3. Define information-revealer.
- 4. To what extent does your DNA "mean" you?
- 5. Define exotic isomorphisms.
- 6. Define prosaic isomporhisms.
- 7. What is being "pulled out" of DNA?
- 8. Why doesn't a song "reveal" the meaning in pushing the button A-5?
- 9. Does all the information about a organism's structure reside in its DNA? Why or why not?
- 10. Consider the record sent to an alien civilization. Does the record still have meaning?
- 11. Consider the artifacts sent to us from our past (stonehenge, easter island, etc.). Do you think we are missing some intended meaning?
- 12. Define information.
- 13. To what extent is the meaning of mathematical equations (in physics) the physical behavior of the universe?
- 14. Define frame message.

- 15. DRH talks about the the contradiction of having a John Cage record sent to an alien civilization. When something appears to have meaning but then doesn't we are often confused. Consider  $\pi = 3.14159...$  which shows up in a variety of situations, but its digits are *statistically speaking* random!
- 16. What do you think of Hofstadter's conjecture on page 165? Meaning is part of an object to the extent that it acts upon intelligence in a predictable way.
- 17. Outline the three layers of any message. How does this relate to the Contracrostipunctus?
- 18. Google the "Voynich Manuscript".
- 19. Define the "Jukebox" Theory of meaning.
- 20. Does DNA need a bio-jukebox?
- 21. How does DRH relate the chapter to abortion?

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