

1. mathematics is truth, time independent where biology is deception and time is a necessary component. All things in nature are either predator or prey. The simplest protection is deception on a cost basis.
2. Sleep like most biological systems, is default on. Consciousness like a screen comes on to block the projection screen of dreams. When tired, the screen can't hold back the dreams hallucinations etc
3. Signals and signal intelligence. Cells signal. Quantum sensing. Alice and Bob at a cellular level
4. Music, is a projection from the brain, it can be reverse engineered to discover structure and software
5. Solitary confinement makes one crazy, social animals, multiple mirrors
6. Artificial intelligence at the cell level?
7. Cooperation is merely a temporary competitive strategy.
8. Observers of all interactions play a role.
9. Topology is the database management tool of the future, is the shape space similar.
10. Money, a state of mind?
11. Intelligence, a limited resource. Economics of intelligence. Transaction cost.
12. Evolution manifolds n dimensional
13. Time not constant
14. Membrane computing
15. personal algorithms competition among organs and individuals
16. Death provides energy for life.
17. Psychopharmacology
- vegas nerve biome
18. insect medicine
19. Energy placebo