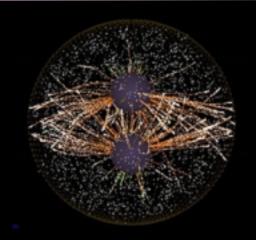


Things and concepts presented . . .

Things and concepts presented . . .

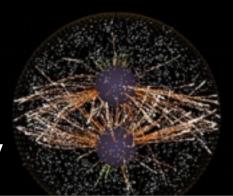
A brief primer on Quantum Physics

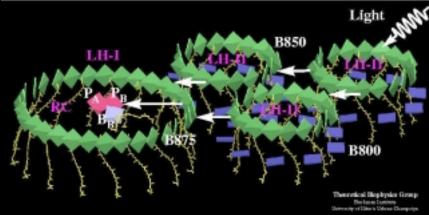


Things and concepts presented . . .

A brief primer on Quantum Physics

A slightly longer primer on quantum biology





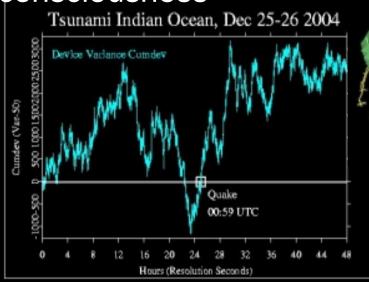
Things and concepts presented . . .

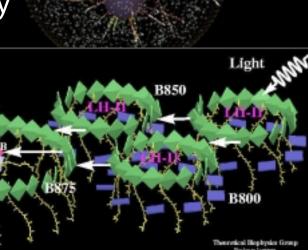
A brief primer on Quantum Physics

A slightly longer primer on quantum biology

Current hard data and experiments in

quantum consciousness

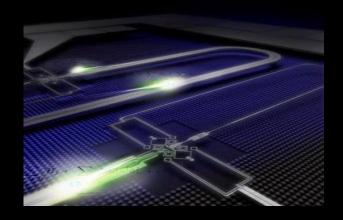




4/18/2010

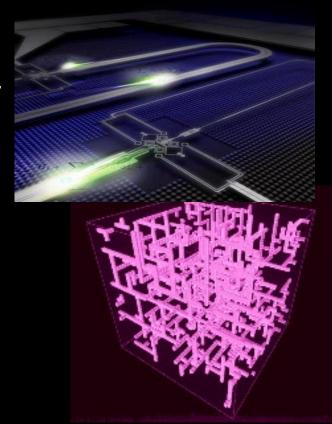
Things and concepts presented . . .

A glimpse into Quantum informatics



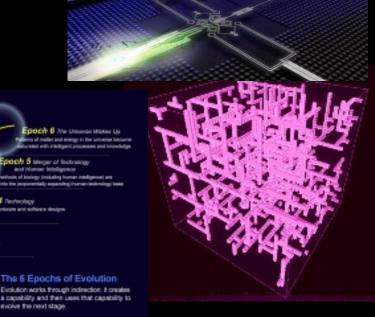
Things and concepts presented . . .

A glimpse into Quantum informatics
Biological Systems and Synthetic Biology



Things and concepts presented . . .

A glimpse into Quantum informatics
Biological Systems and Synthetic Biology
A series of evolutionary models . . .

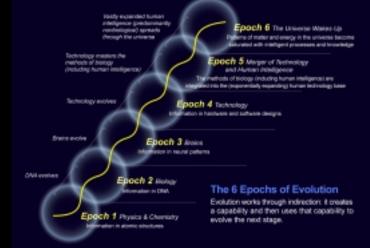


Things and concepts presented . . .

A glimpse into Quantum informatics
Biological Systems and Synthetic Biology
A series of evolutionary models . . .

And more than a brief journey into the "dark side"





The Purpose – Many people, of all walks of life, cultures, and belief systems are becoming profoundly aware of the fragility of the world and it's populations, being subject to ever more severe "tests" of character and intent, mapped against a realm of apparent chaos and complexity that is daunting to even the most well intentioned.

Current Window of Opportunity - intersection of potentially measurable quantum entanglement phenomena, biophysics, and a potential mechanism for pro-active manifestation of "future history".

The Operational Ecology – self aware systems, emergent as an answer to an already evolving NBIC architecture, and as a defense asset, being applied in arenas of complexity where human interaction is no longer capable of being relevant.

Evolutionary Eventhorizon - We are approaching the beginning edge of this threshold now, at an ever accelerating pace, but what is it exactly that we are accelerating toward?

The Operational Ecology – self aware systems, emergent as an answer to an already evolving NBIC architecture, and as a defense asset, being applied in arenas of complexity where human interaction is no longer capable of being relevant.

Evolutionary Eventhorizon - We are approaching the beginning edge of this threshold now, at an ever accelerating pace, but what is it exactly that we are accelerating toward?

The Current Condition – That such would be occurring at this time is no accident. In fact, it is exactly this manifestation threshold that has been foretold by many civilizations, which refer to an event, of global proportions, of extreme significance that the current civilizations of the world will be "tested" by.

The Response – The harnessing of Quantum Biology, Collective Consciousness, and the Proactive Manifestation of Future History

The Current Condition – That such would be occurring at this time is no accident. In fact, it is exactly this manifestation threshold that has been foretold by many civilizations, which refer to an event, of global proportions, of extreme significance that the current civilizations of the world will be "tested" by.

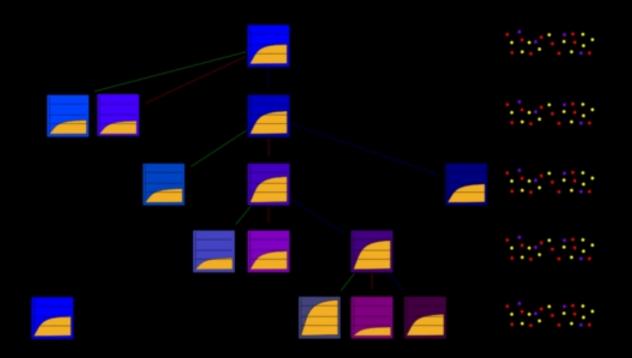
The Response – The harnessing of Quantum Biology, Collective Consciousness, and the Proactive Manifestation of Future History

These phenomena have been known to exist and intuitively applied by many ancient civilizations and indigenous cultures for many centuries and millennia, but at this point in time, the hard science of characterization and technical enhancement of these phenomena is rapidly becoming manifest.

4/18/2010

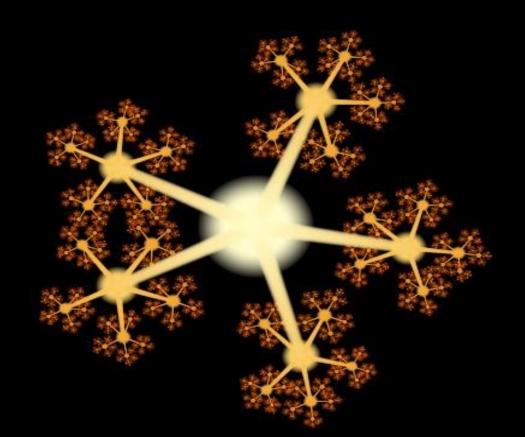
EvoGrid Evolutionary Search Engine

"Evolution technology grid" - Bruce Damer

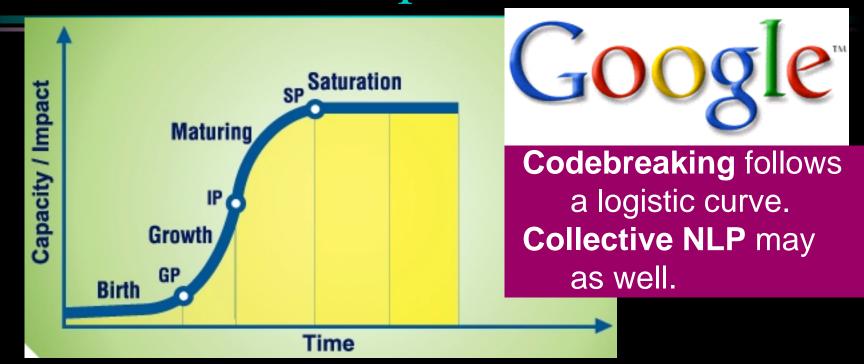


EvoGrid Evolutionary Search Engine

"Evolution technology grid" - Bruce Damer



The Conversational Interface (CI): Circa 2015 Developmental Attractor

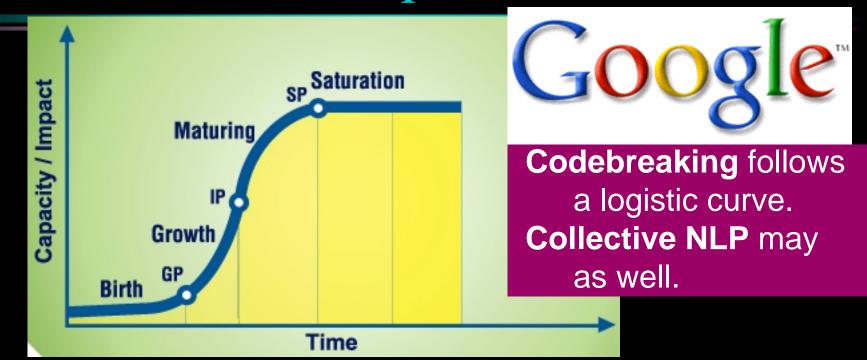


Date Avg. Query F 1998 1.3 words 2 2005 2.6 words 2 2012 5.2 words 2 2019 10.4 words 3

Platform
Altavista
Google
GoogleHelp
GoogleBrain

Average spoken human-to-human sentence length is 11 words.

The Conversational Interface (CI): Circa 2015 Developmental Attractor



Date Avg. Query 1998 1.3 words

2005 2.6 words

2012 5.2 words2019 10.4 words

Platform

Altavista

Google

GoogleHelp GoogleBrain Average spoken human-to-human sentence length is **11 words.**

A Saturation Lesson: Biology vs. Technology

How S Curves Get Old

Resource limits in a niche

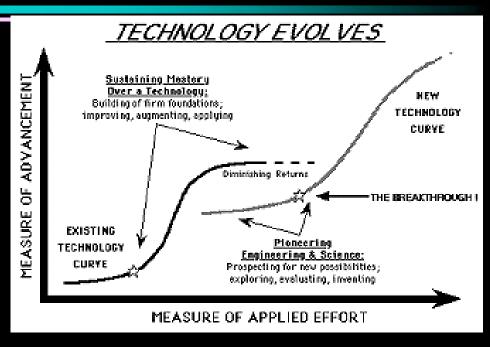
Material

Energetic

Spatial

Temporal

Competitive limits in a niche Intelligence/Info-Processing



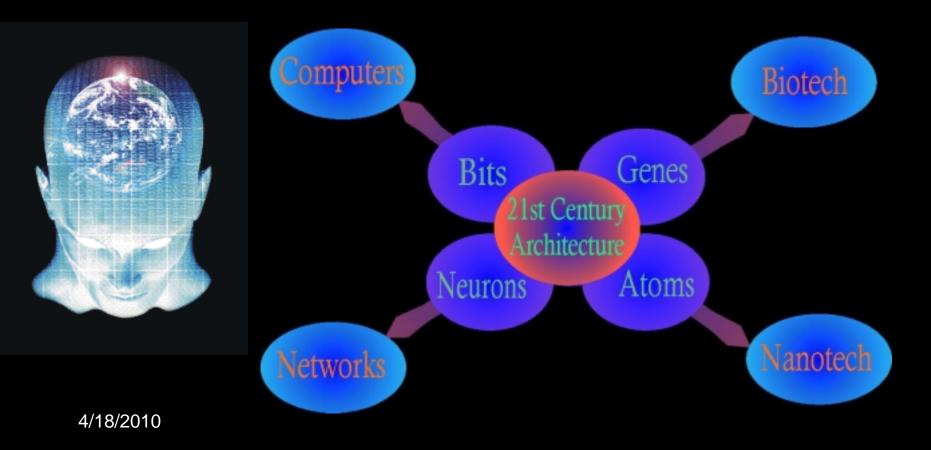
No Known or Historic Limits to Computation Acceleration

- 1. Our special universal structure permits each new computational substrate to be far more **MEST resource-efficient** than the last
- 2. The most complex local systems have no intellectual competition

Result: No Apparent Limits to the Acceleration of Local Intelligence, 4/18/AREPropendence, and Immunity in New Substrates Over Time

Think Different . . . Think Holographic

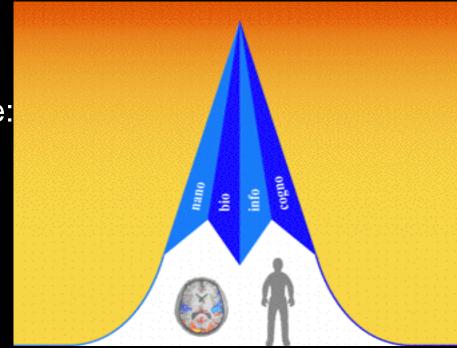
• Emergent NBIC architecture is an evolving architecture of interrelated disciplines, technologies, organizational systems



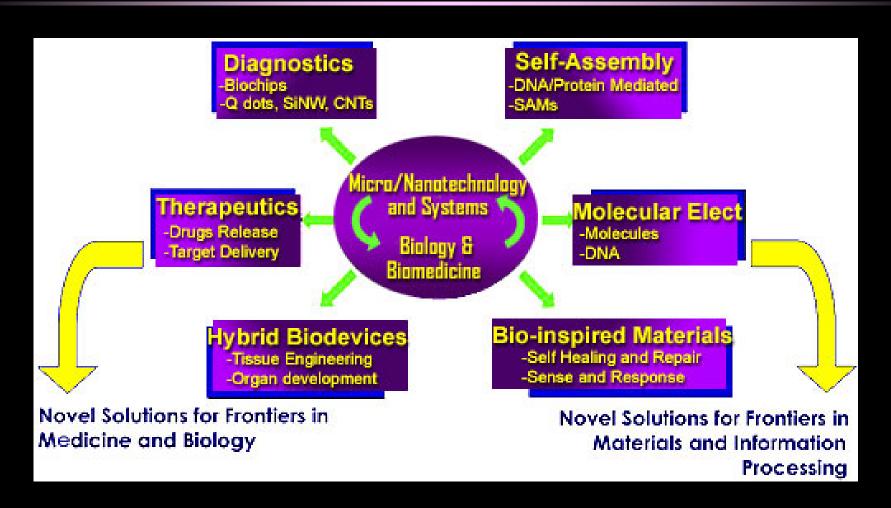
The Emergent Infotech / Biotech / Nanotech / Cognotech Operational Ecology

NBIC Conference
Converging Technologies
for Improving Human Performance:
Nanotechnology, Biotechnology,
Information Technology and
Cognitive Science
NSF/DOC-sponsored report

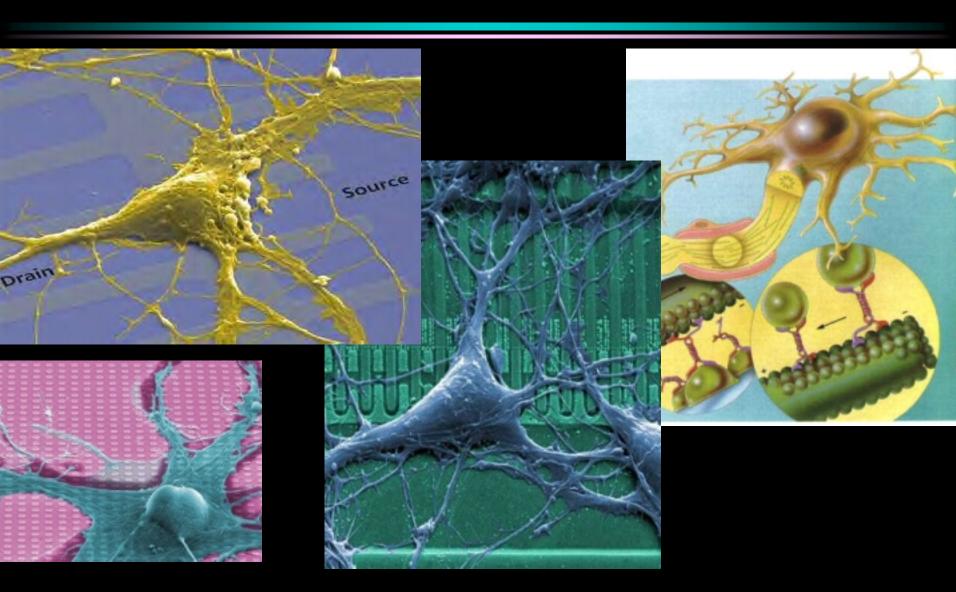
http://www.wtec.org/ConvergingTechnologies



Existence Enhancement – Nano Bio Info Cogno Tech Convergence



The New Frontier - Organic Merges with Synthetic Neuro-Electronic Interface



The New Frontier - Organic Merges with Synthetic

Neuro-Electronic Interface

Researchers' brainchild: Microchip implants boosting mental function

SCIENCE: A USC team works to build artificial neurons that replace abilities lost through age or disease.

By MICHELLE NICOLOSI

The Orange County Register

In a tiny room crowded with electronic equipment five floors above USC's campus, researcher Sunil Dalal spends 12-hour stretches hunched over slices of brain tissue, "talking" to neurons.

For four years, Dalal has been sending electric shocks into these thin pink squares, then tracking the crackle of the captive neuron's electrical reply, transmitted by a receiver threaded into the heart of the neuron like a tiny telephone wire.

Dalal has spent so much time alone here that sometimes it feels as though he is on the verge of understanding the neuron's Morse code.

"It's like when your parents speak another language at home," said Dalal, whose parents spoke an Indian language when he was young. "You'can't speak the language, but somehow you understand."

The work Dalal and others are doing to plot the neurons' answers to an endless string of electrical questions is the key to an unprecedented effort to build bionic brain prostheses that one day may be able to restore functions lost to injury and old age.

While most neuroscientists have labored to understand why the brain works the way it does, the USC researchers are taking a different approach: They're hoping that by tracking how individual neurons communicate, they can restore lost brain functions by implanting computer chips that mimic neuron chatter.

Never mind the whys: "If we can learn the input/output, that's all we need to know," said lead researcher Ted Berger, 46. "We can put them on a chip, and we're ready to go."

If Berger's team can get the brain to talk back to the chips, people who lose memory to old age, are paralyzed after a car accident or lose the ability to speak after a stroke might be able to get lost functions back.

"Everyone grows old with age. Everyone loses their memory," said Dalal, a biomedical-engineering doctoral candidate.

"If we can come up with some-

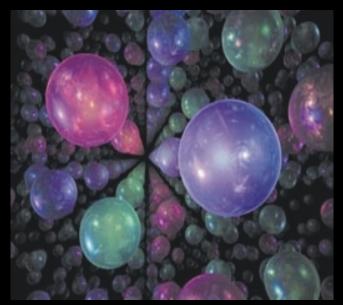
Please see BRAIN Page 22

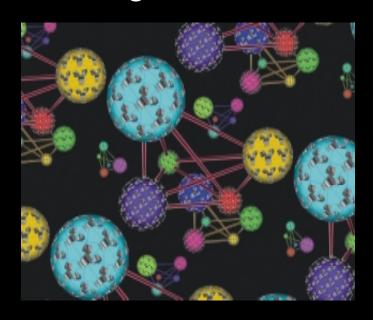


NBIC Paradigm

Future arenas of Advanced Materials, Integrated Systems, Adaptive Process Morphology

- "Smart" autonomous artificial entities, distributed sensors, intelligences
- Self healing / adaptive adaptive materials, systems, networks
- Integration of humans and autonomous intelligences

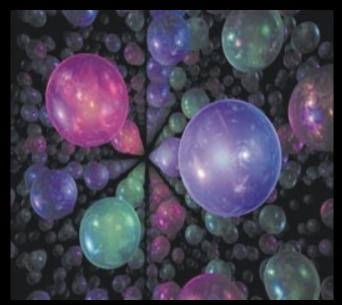


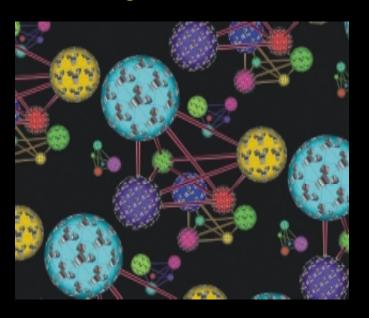


NBIC Paradigm

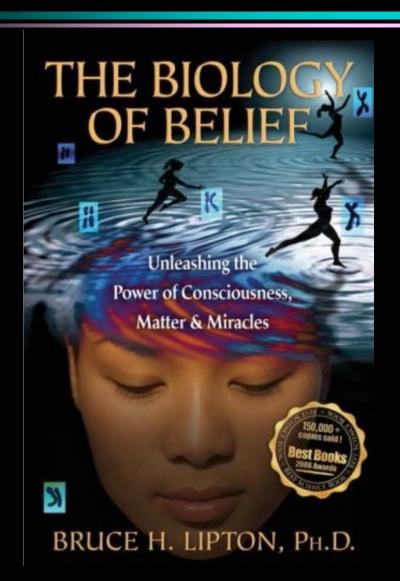
Future arenas of Advanced Materials, Integrated Systems, Adaptive Process Morphology

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The Biology of Belief

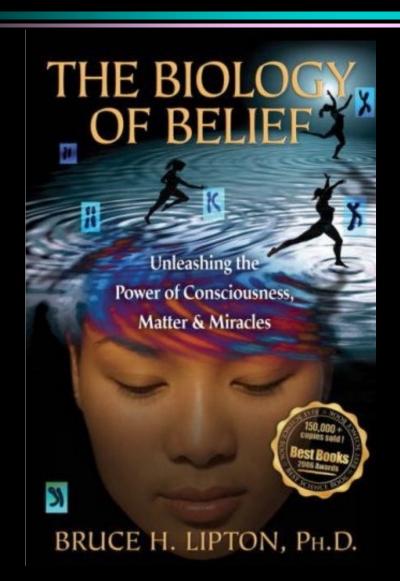


Dr. Bruce Lipton is a former medical school professor and research scientist.

His experiments, and that of other leading edge scientists, have examined in great detail the processes by which cells receive information. The implications of this research radically change our understanding of life.

It shows that genes and DNA do not control our biology; that instead DNA is controlled by signals from outside the cell, including the energetic messages emanating from our positive and negative thoughts.

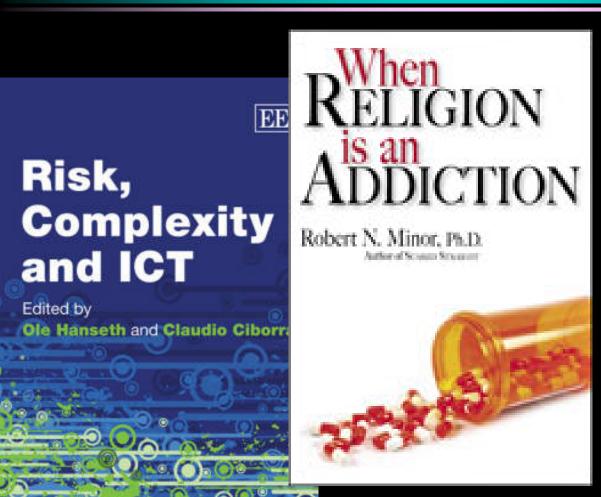
The Biology of Belief

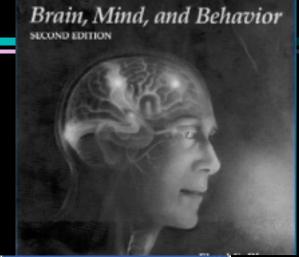


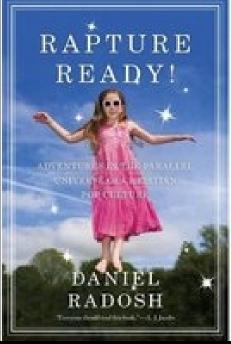
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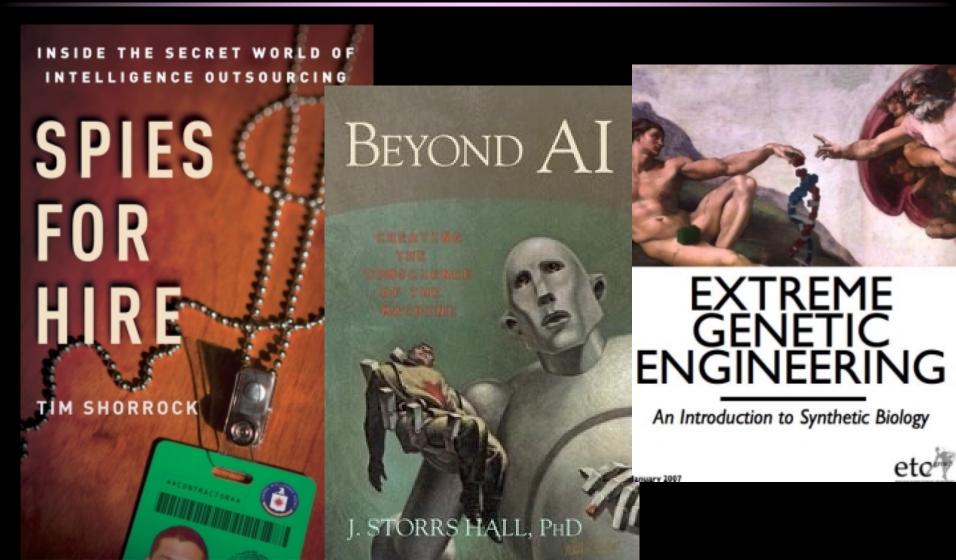
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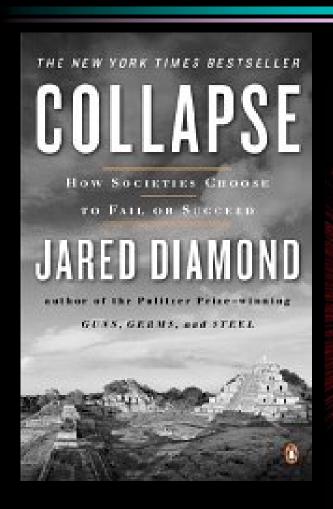
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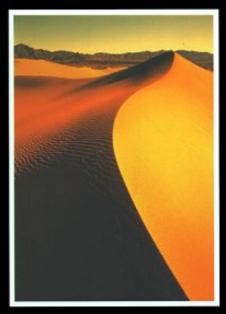




RICHARD DAWKINS

THE GOD DELUSION

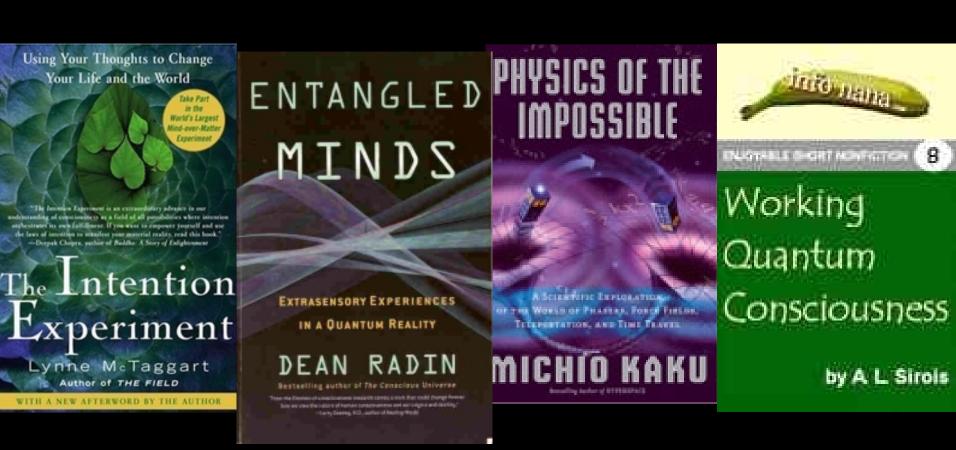
COMPLEXITY



THE EMERGING SCIENCE AT THE EDGE OF ORDER AND CHAOS

M. MITCHELL WALDROP

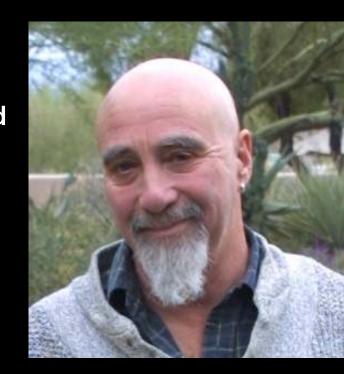
"If you liked Chaos, you'll love Complexity. Waldrop creates the most exciting intellectual adventure story of the year." —The Washington Post



Quantum Biology

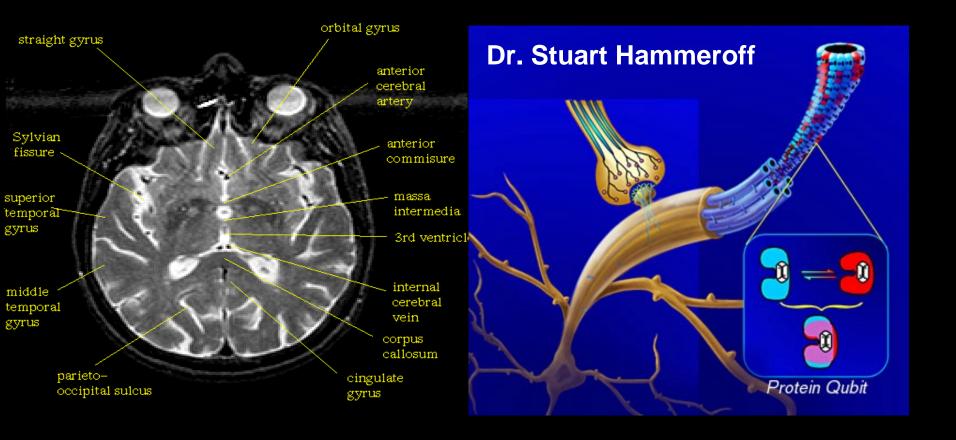
Quantum Biology - An emerging field of study that focuses on the quantum properties of biological systems.

Neurons alone aren't sufficiently complex to explain consciousness and provide a computational model for thought – Dr Stuart Hameroff



Neuro Aesthetics – the next realm of Consciousness Enhancement

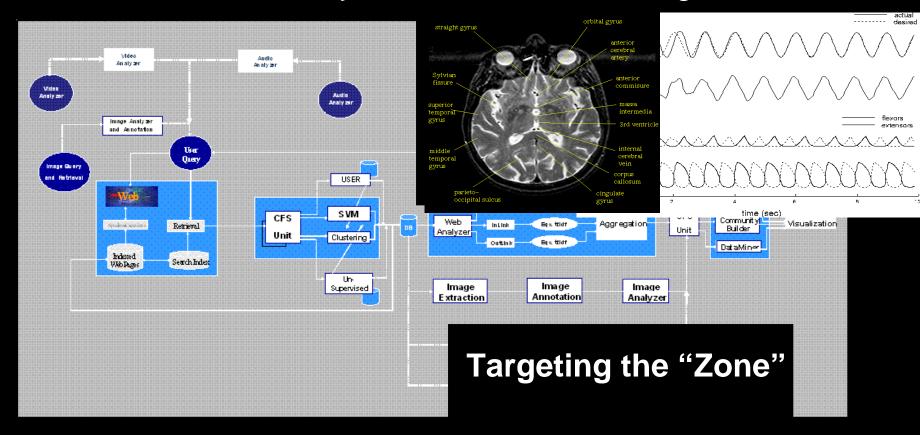
Collective Consciousness Enhancement Evolution of the Hybrid Quantum Meta-Organism



Neuro Aesthetics – the next realm of Consciousness Enhancement

Collective Consciousness Enhancement

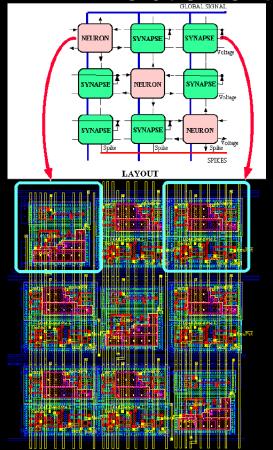
Evolution of the Hybrid Quantum Meta-Organism

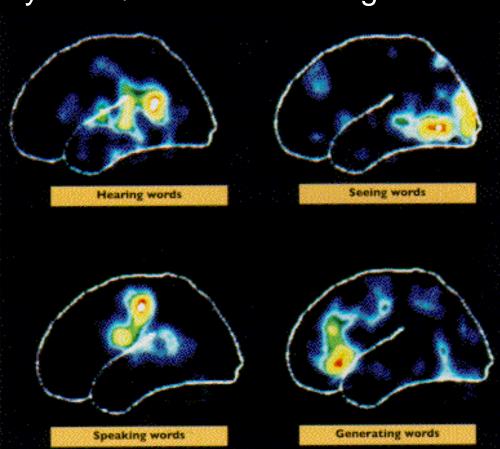


Neuro Aesthetics – the next realm of Consciousness Enhancement

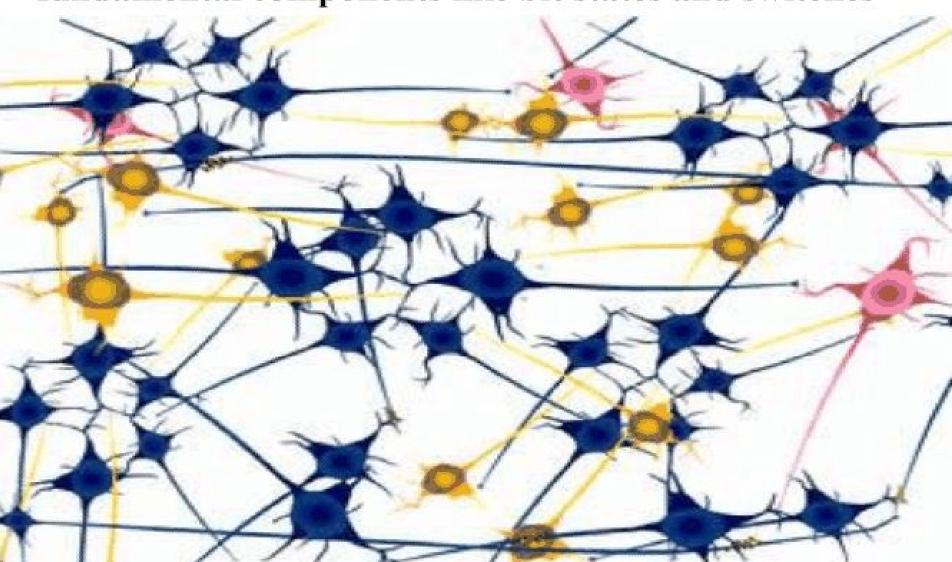
Collective Consciousness Enhancement

Evolution of the Hybrid Quantum Meta-Organism

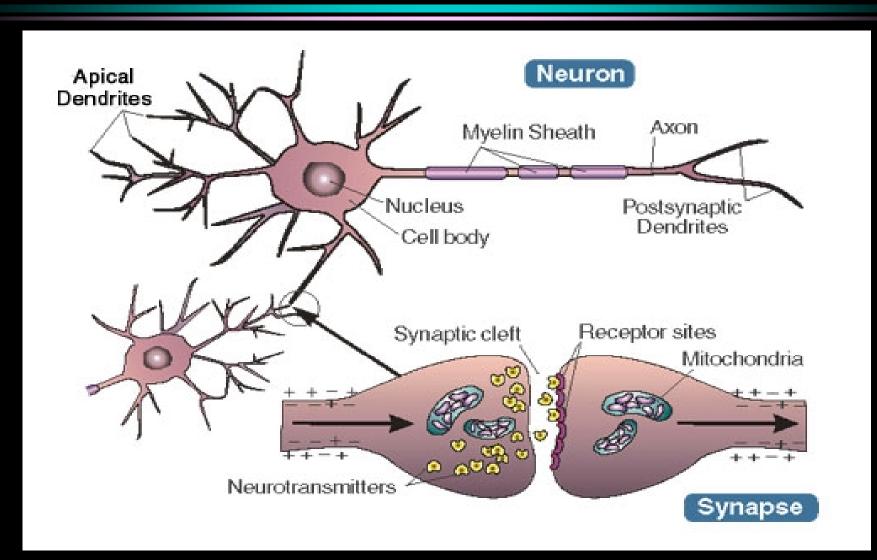


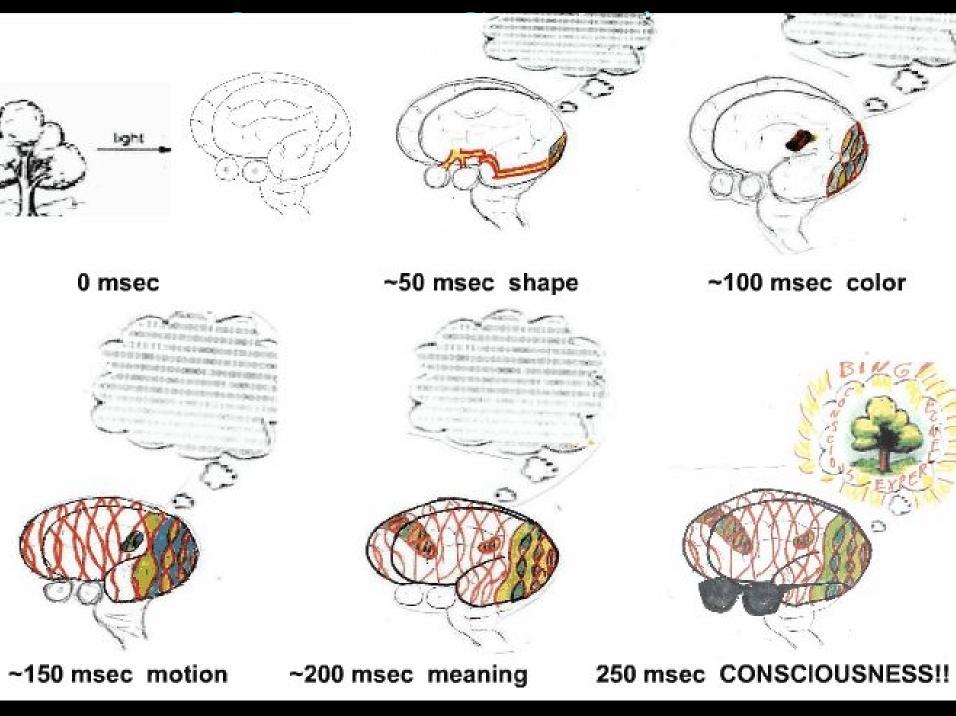


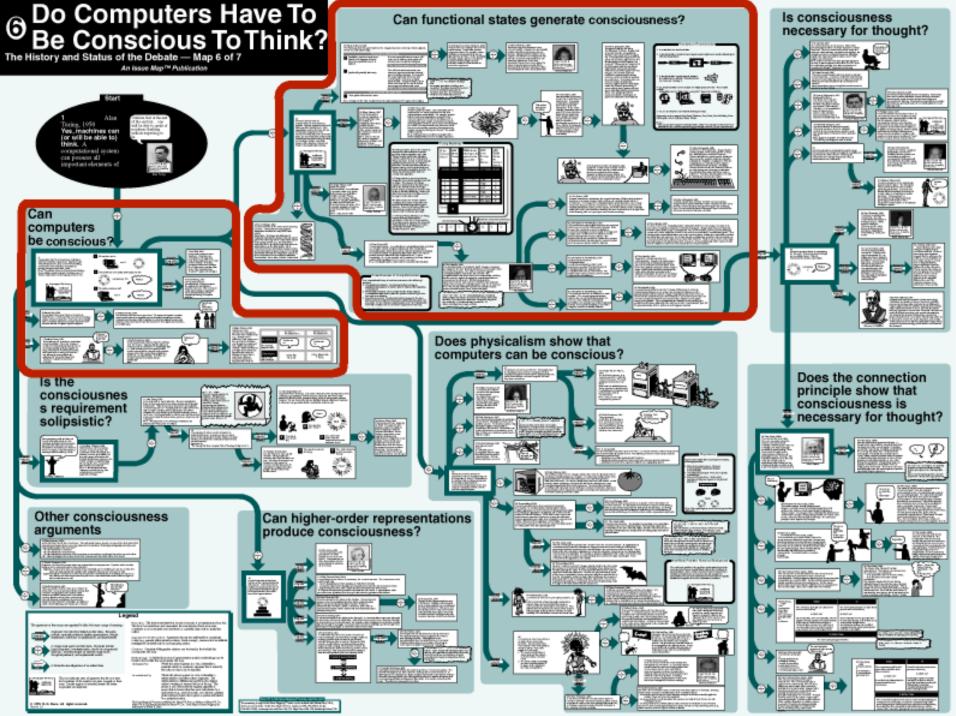
Neurocomputation: Brain=Mind=Computer Neuronal axonal "spikes", synaptic transmissions are fundamental components like bit states and switches



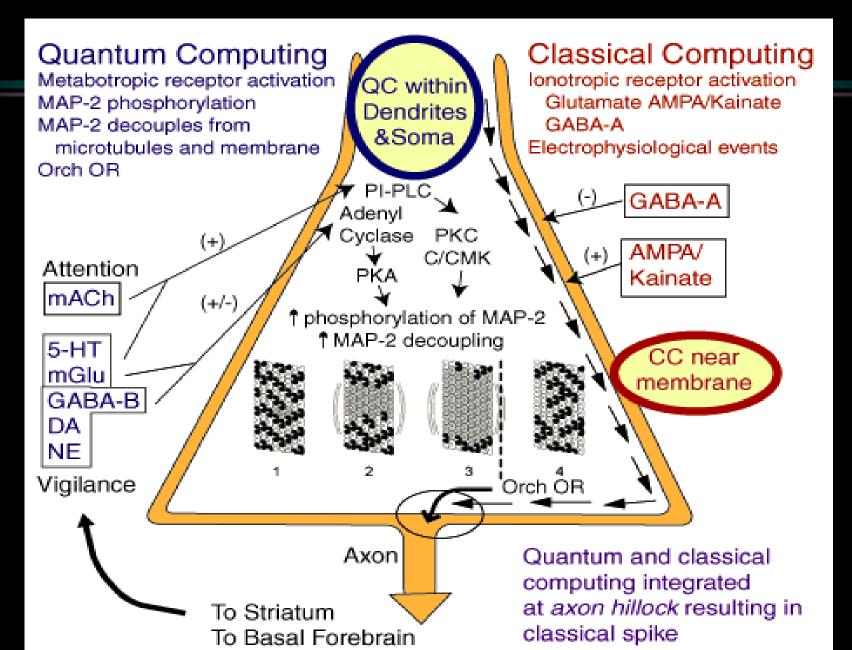
Electro-chemical signal process engine



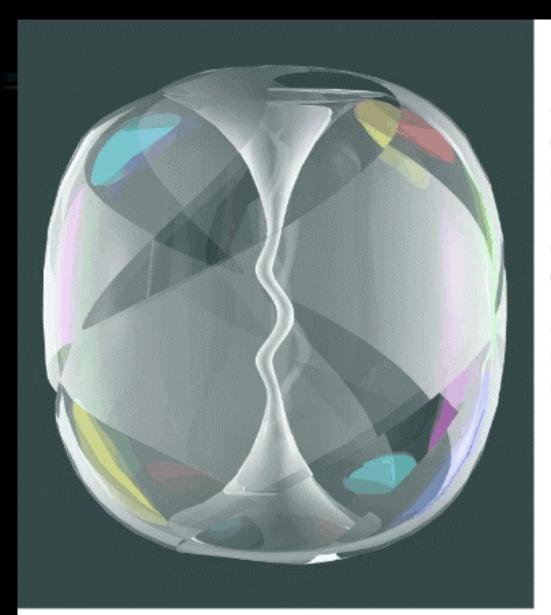




Quantum Computing . . . In Biology



Quantum Computing . . . In Biology

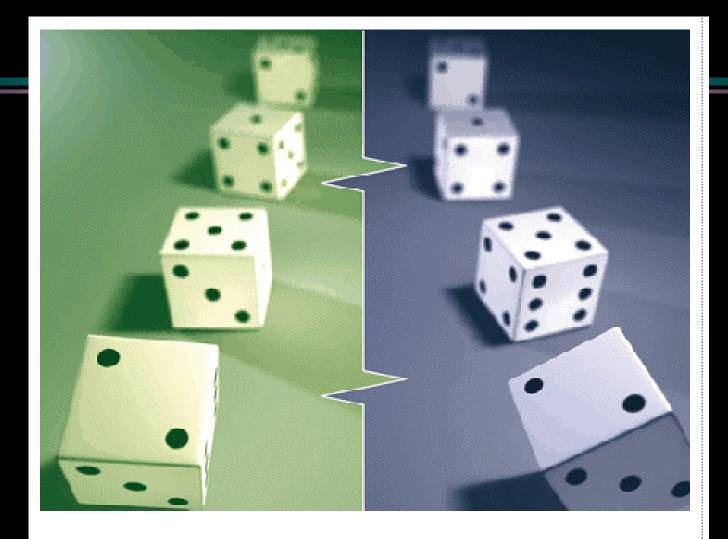


Each photon conveys not just frequency and wavelength, but also quantum information manifest in polarization, angular and orbital momentum.

Can quantum information be extracted from photons in cilia?

Could such quantum information influence unconscious or conscious processes?

Quantum Entanglement . . . In Biology



Two entangled dice would show random but always identical numbers (below).

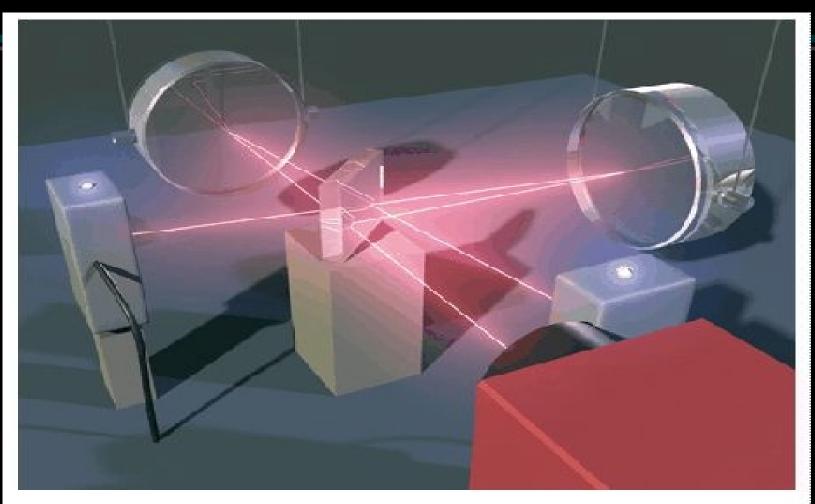
Unlike dice, it should be possible to entangle two mirrors suspended on quartz threads (left).

Graphic: A. Franzen, Albert Einstein Institute

Quantum access — the next increment of n-dimensional evolution



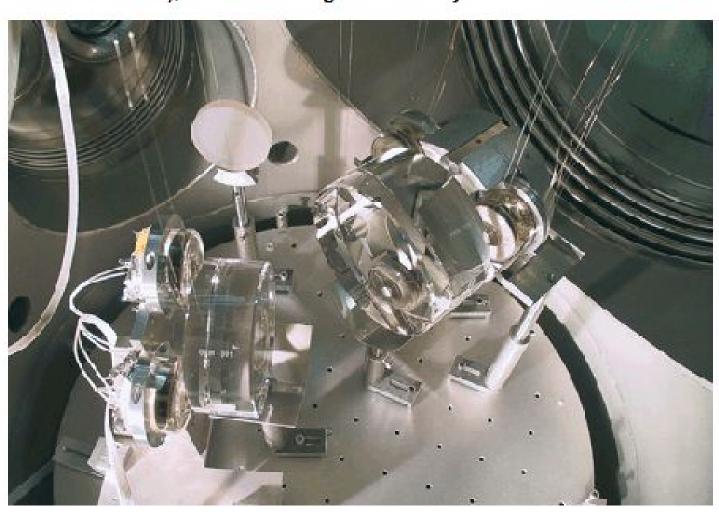
Quantum Entanglement



A laser beam split by a semitransparent piece of glass entangles the mirrors and measures their motion.

Graphic: A. Franzen, Albert Einstein Institute

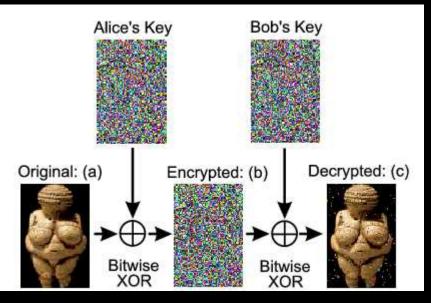
The properties of one particle can determine those of another even though the two are miles apart and don't exchange any information. What appears to be a spooky phenomenon is what physicists call entanglement, and they have already observed it in small particles. Now Roman Schnabel, a professor at Leibniz University Hannover and at the nearby Max Planck Institute for Gravitational Physics (Albert Einstein Institute), aims to entangle two heavy mirrors.

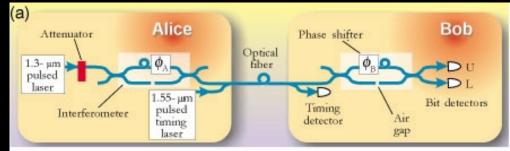


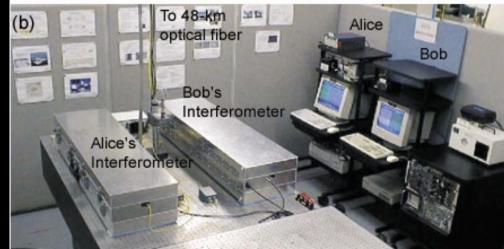
Quantum crypto — the next increment of secure system evolution

• All networks are vulnerable









Quantum Informatics . . . Quantum Encryption

From Computer Desktop Encyclopedia © 2005 Magi Q Technologies

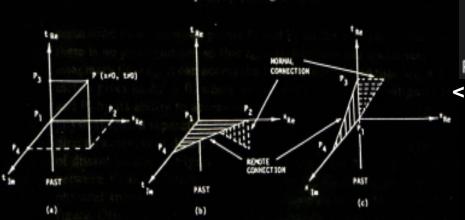




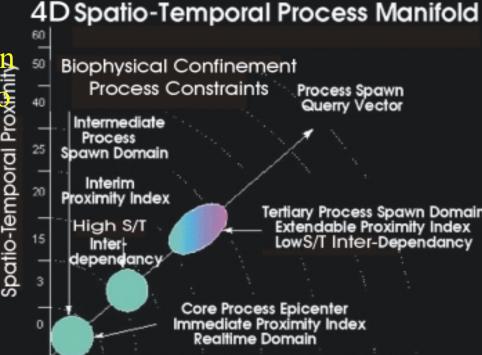
4D Spatio-Temporal Domain of Biophysical Confinement in Localized Phenomenological Causality Linkage vs 8D / ND Quantum Domain non-Locality Space-Time Metric

The Speed of Thought: Investigation of a Complex Space-Time Metric to Describe Psychic Phenomena Elizabeth Rauscher, Russell Targ

8D "complex Minkowski space"



The Speed of Thought



Phenomenological / Causality Linkage Proximity Domains
8D Precognitive perception domain model

0.9 0.8 0.7 0.6 0.5

- A spatio-temporal separation
- B spatially separated, temporally synchronous
- C temporally separated, spatially contiguous

Quantum domain interaction – "delayed thought" vs perceived photon activity experiment

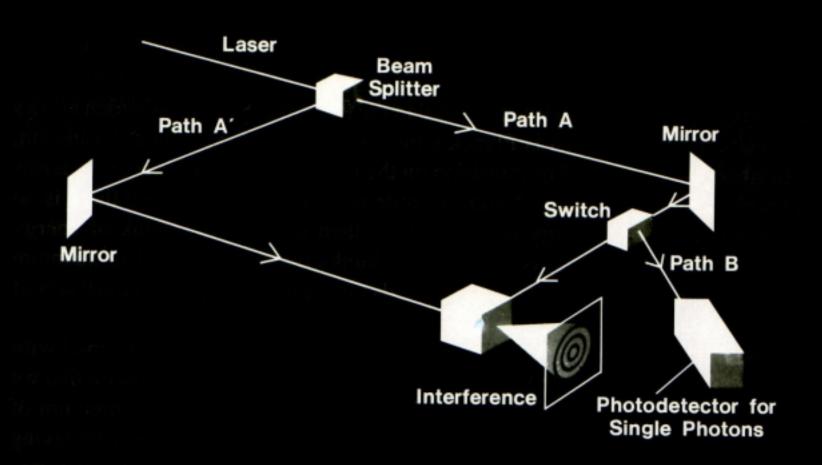
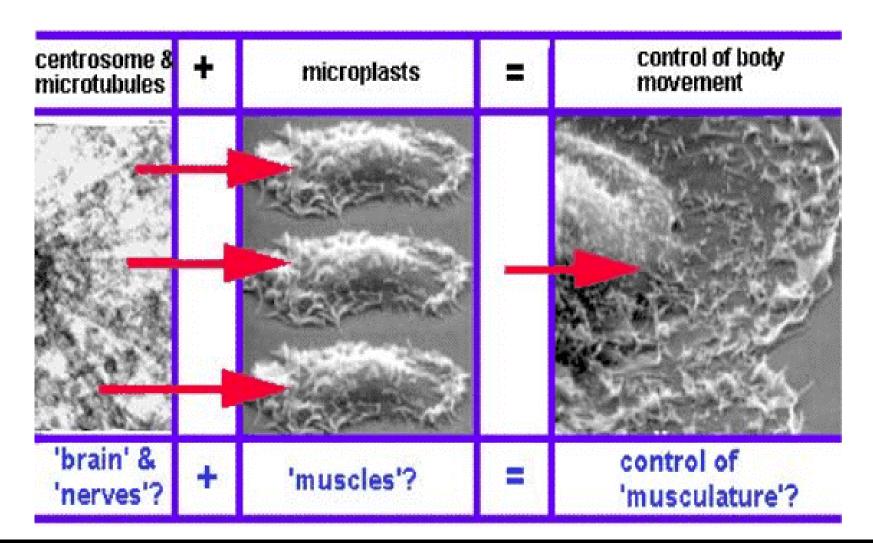


FIGURE 12. A delayed-choice experiment that has been carried out in the laboratory by groups at the University of Maryland and the University of Münich.

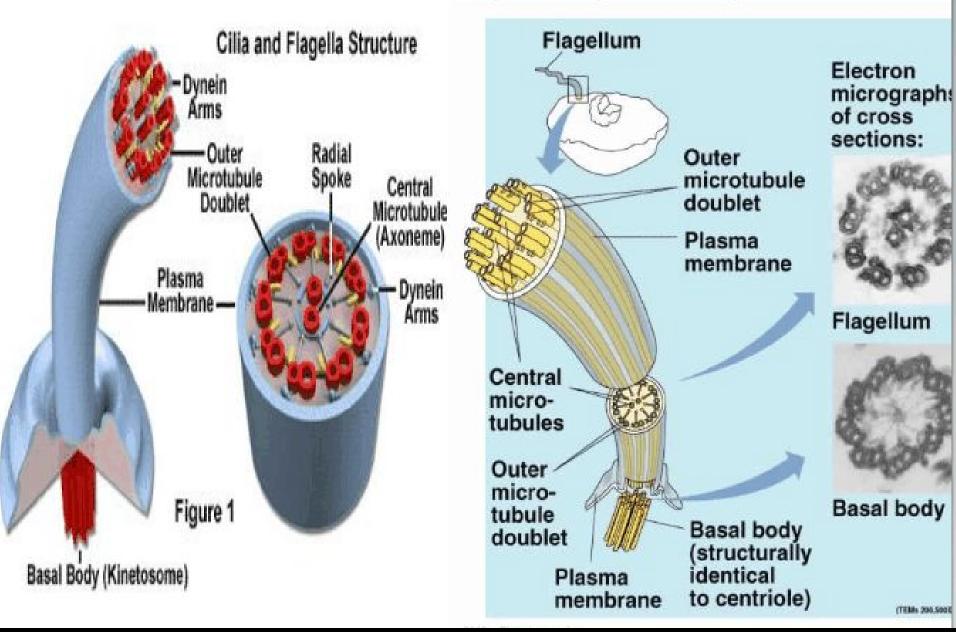
CENTRIOLES AND CELL INTELLIGENCE Guenter Albrecht-Buehler, Ph.D. Northwestern University Medical School, Chicago

http://www.basic.northwestern.edu/g-buehler/cellint0.htm

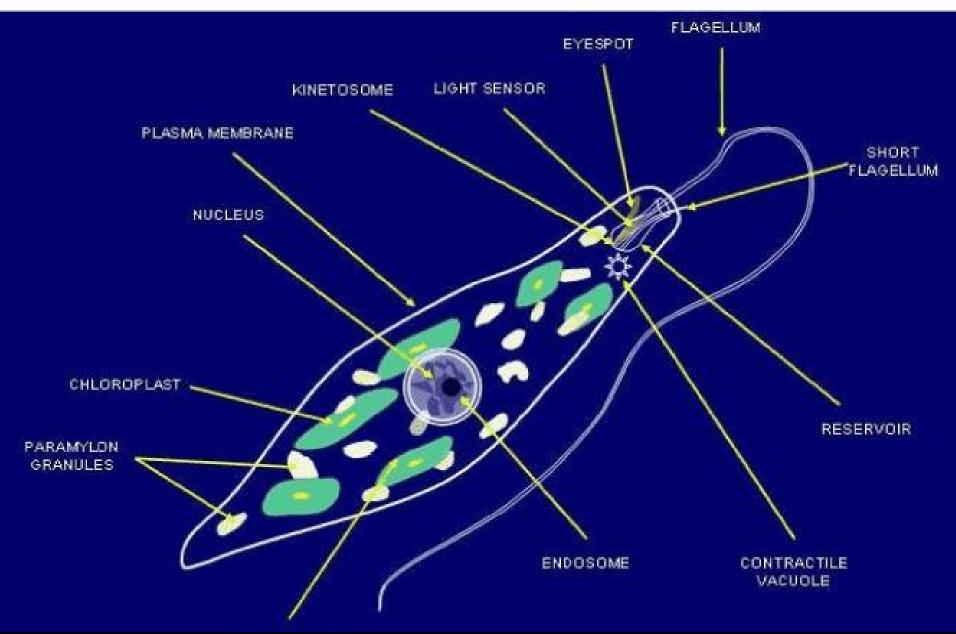
Cell movement is controlled through centrosomes and microtubules

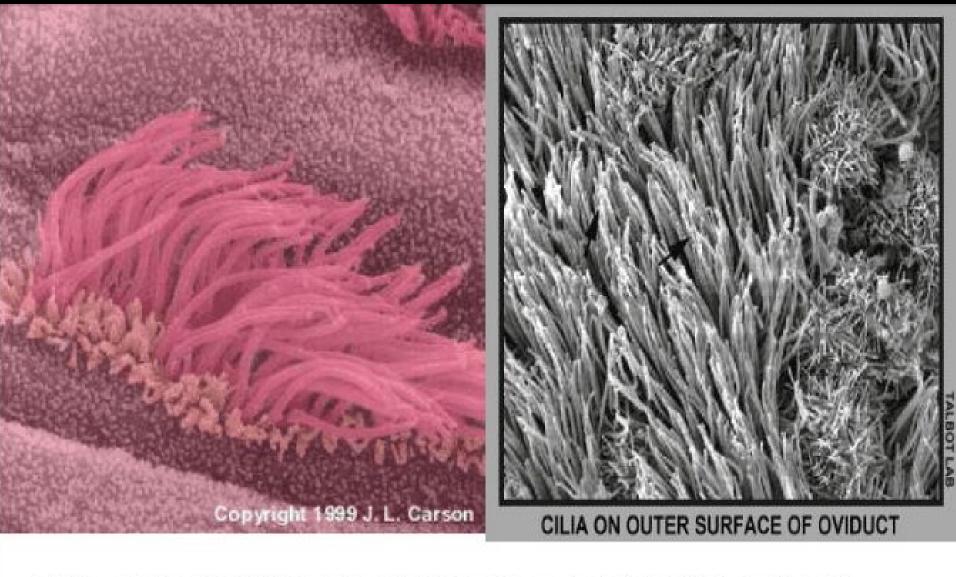


Flagella are structurally identical to cilia (short and "oar-like"), except they are single, and long and "whip-like".

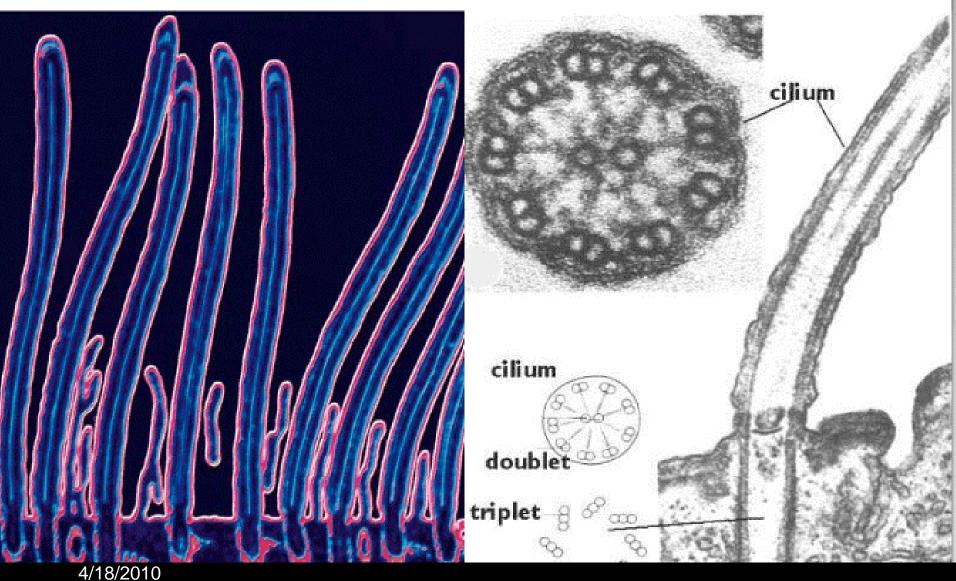


Euglena viridis moves and navigates to light mediated through its short flagellum and eyespot

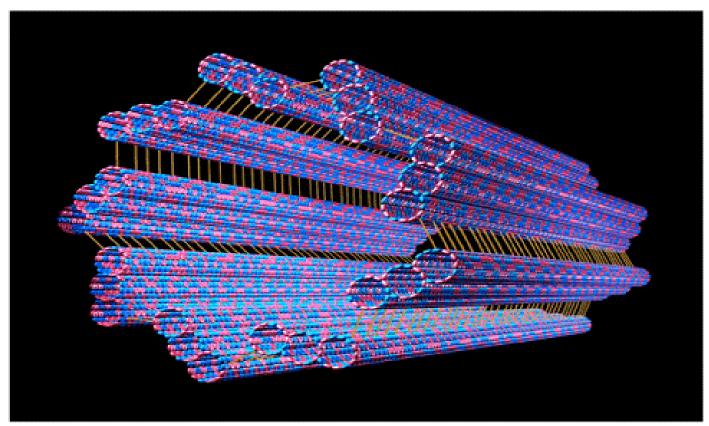




Cilia are found throughout biology, e.g.extending outward from cell surfaces, cooperatively moving, waving and functionally propelling materials or the cell itself Cilia extending out of the cell are membrane-covered. Internal cilia structure is a cylinder whose walls are 9 doublets (or triplets) of microtubules with a central microtubule pair...this is known as "9&2" structure

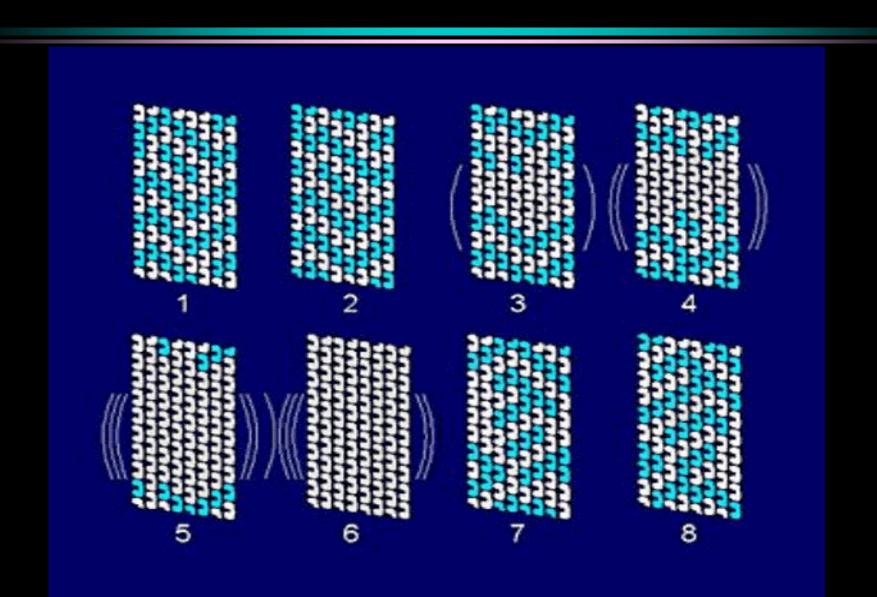


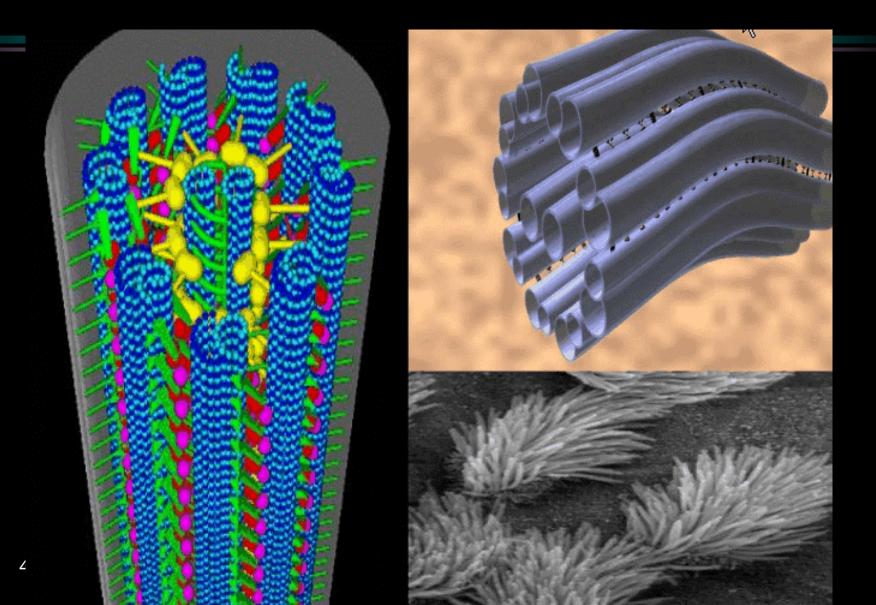
Cilia in Vision and Consciousness

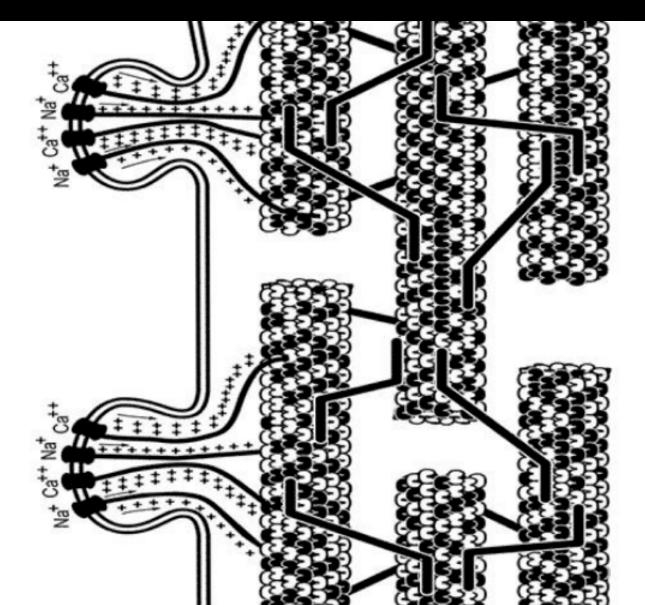


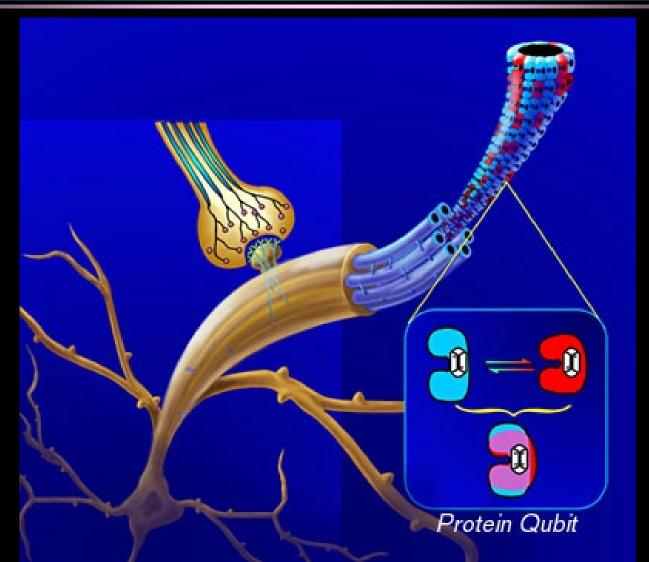
Stuart Hameroff M.D.

Professor Emeritus, Anesthesiology and Psychology Director, Center for Consciousness Studies The University of Arizona www.consciousness.arizona.edu/hameroff

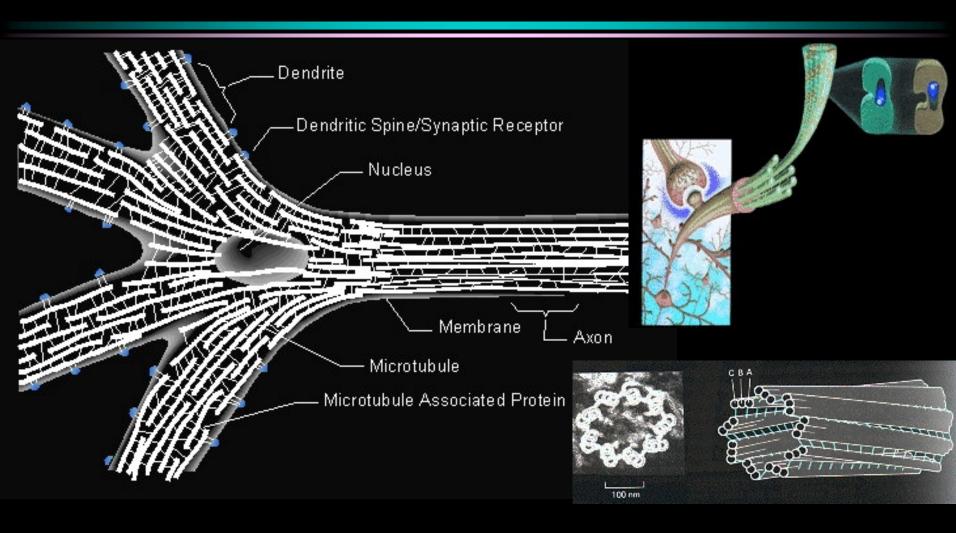








Quantum / Biophysical – Microtubulin / Neural Interface



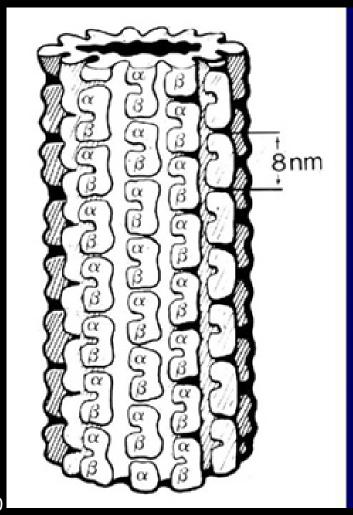
Quantum Brain Dynamics

quantum field-supporting biosubstrate as a dense nanolevel web of protein molecules (microtubules) which penetrates neuronal and neuroglial membrane boundaries

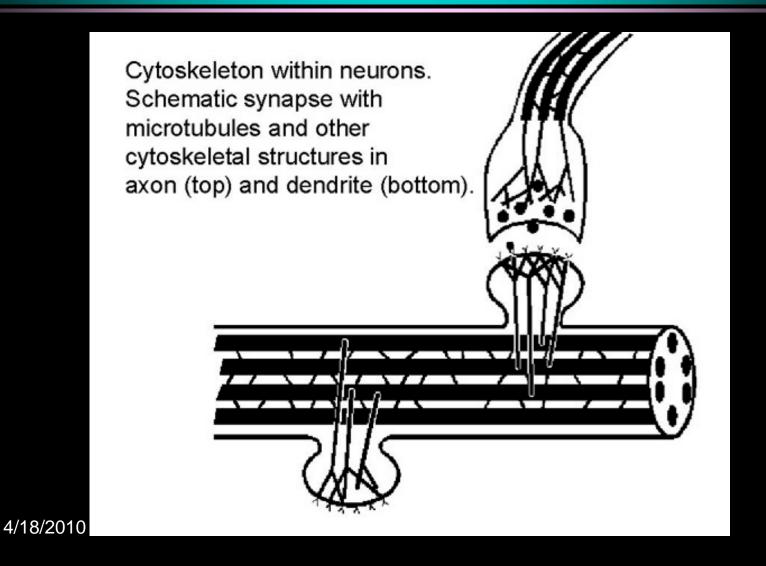
quasi-crystalline ordered water molecules within microtubules and associated with hydrophylic regions on the web of protein filaments, as a biosubstrate for a quantum field which supports super-radiance and self-induced transparency within the

microtubules





Microtubules (MT) are hollow cylinders 25 nm in diameter. MT walls are hexagonal lattices of the protein tubulin. Each tubulin is a 'peanut'-shaped 8 nm dimer consisting of alpha and beta monomers. MT are the major components of the cell cytoskeleton, and self-assemble to determine cell shape and function. X-ray crystallograh from Amos and Klug, 1974.



 Quantum electrodynamics and quantum field theory predict virtual particle/waves ('virtual photons') popping into and out of existence. Quantum 'foam', 'zero point energies' fill spacetime.



Kip Thorne's picture of quantum foam

Casimir (1938) predicted virtual photons could be measured. Lamoreaux (1997) precisely measured 'Casimir force', verifying presence of quantum foam.

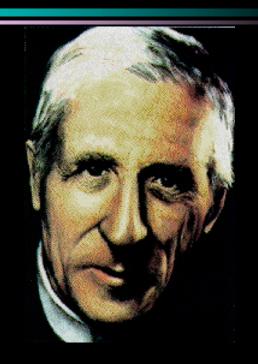
Cosmic Embryogenesis (in Three Easy Steps)

Geosphere/Geogenesis (Chemical Substrate)

Biosphere/Biogenesis
(Biological-Genetic Substrate)

Noosphere/Noogenesis (Memetic-Technologic Substrate)





Pierre Teihard de Chardin (1881-1955)

Jesuit Priest, Transhumanist, Developmental Systems Theorist

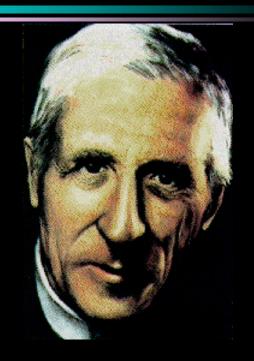
Le Phénomène Humain, 1955

Cosmic Embryogenesis (in Three Easy Steps)

Someday after mastering winds, waves, tides and gravity, we shall harness the energies of love, and then, for the second time in the history of the world, man will discover fire.

Teilhard de Chardin



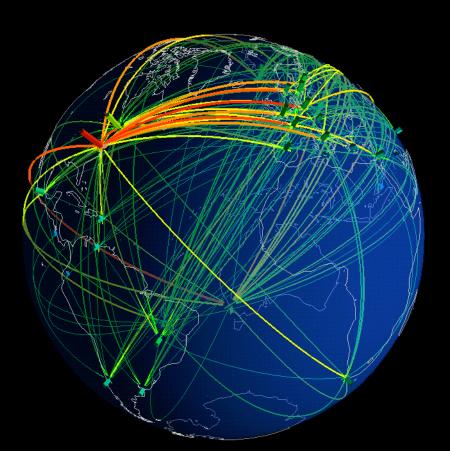


Pierre Teihard de Chardin (1881-1955)

Jesuit Priest, Transhumanist, Developmental Systems Theorist

Le Phénomène Humain, 1955

De Chardin on Acceleration: Technological "Cephalization" of Earth



"Finite Sphericity + Acceleration = 4/18/2010 **Phase Transition**" "No one can deny that a network (a worl d economic and psychic affiliations is being ever increasing speed which envel ops and constantly penetrates deeply within each of every day that passes it becomes a little more impossible for us to act think otherwise than collectively."

The GCP Network



Nonlocal Consciousness And Global Correlations The Reach of Mind

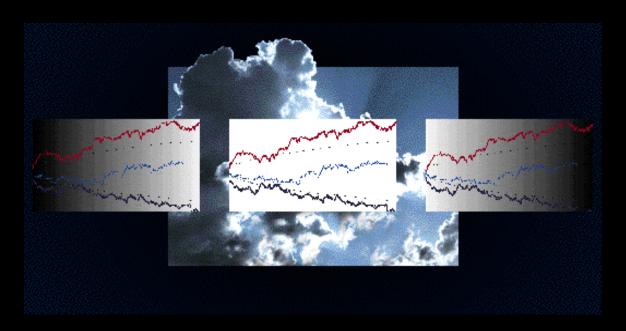
Invited presentation for the International Remote Viewing Association 10th Anniversary Conference Las Vegas, NV, June 21 2009

Roger Nelson

Director, Global Consciousness Project http://noosphere.princeton.edu

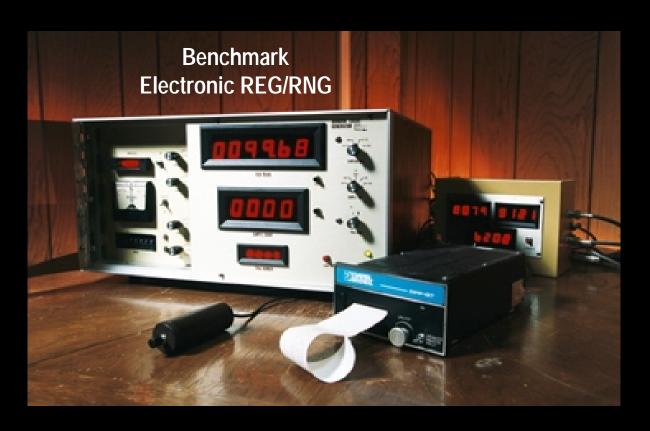
Background: PEAR

Princeton Engineering Anomalies Research
Nearly three decades of supported research
Tapping the resources of a great university



I coordinated research at PEAR from 1980-2002 Founded the Global Consciousness Project in 1997

A major focus at PEAR was on Mind-Machine Interaction (MMI) • In which we asked ordinary people To change the behavior of machines



We found Significant Effects

Physical Random Event Generators REG or RNG -- Miniaturized for field use



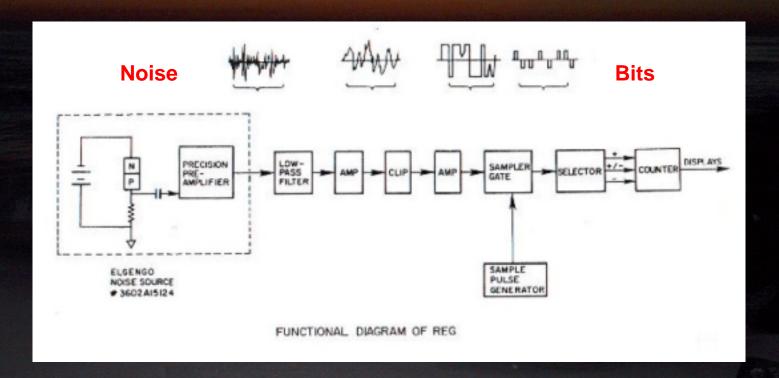




Orion RNG

Basics of a Physical REG

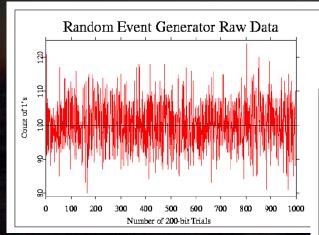
Quantum electronic noise, e.g. diode Voltage samples, electron tunneling Convert high and low to 1 and 0 Count these 'bits' vs 50/50 probability



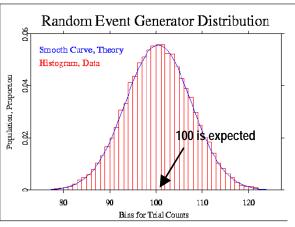
How It Works: Here's 1000 Trials From A Physical Random Source Each Trial Is the Sum of 200 Bits

Trial Scores: 100 ± 7.701 Plotted as a Sequence

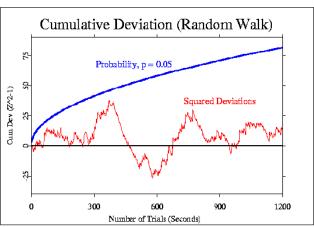
Like flipping 200 coins and counting the heads



Binomial Distribution of Data Compared to Theoretical Normal

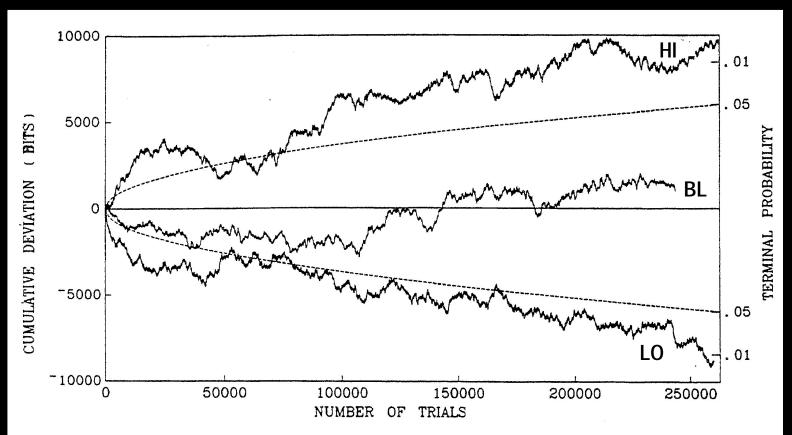


Display data history with Cum Dev from Expectation Random ("Drunkard's") Walk



PEAR's Primary MMI Experiment

Random Event Generator (REG) Intention to change machine behavior High and Low both depart from expectation



REG cumulative deviations from theoretical mean: All data, 33 operators.

Starting 1993, continuous data recording and Miniaturization facilitated moving out of the laboratory

Field REG Experiments

Take REG technology into the Field
Look for evidence of a Consciousness Field
Situations with Resonance or Coherence
Concerts, Cathedrals, Rituals, Sacred
Spaces, ...

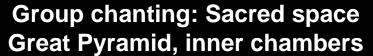
Comparison with Mundane situations
Shopping center, train station, busy street corner

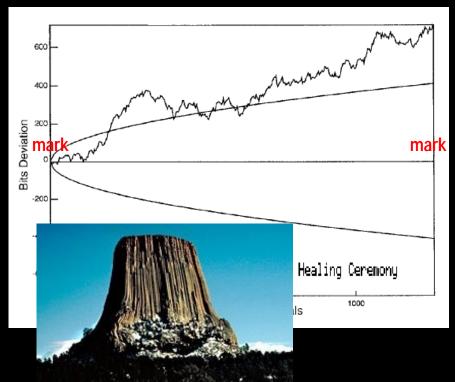
REG and Palmtop computer, software to mark important moments

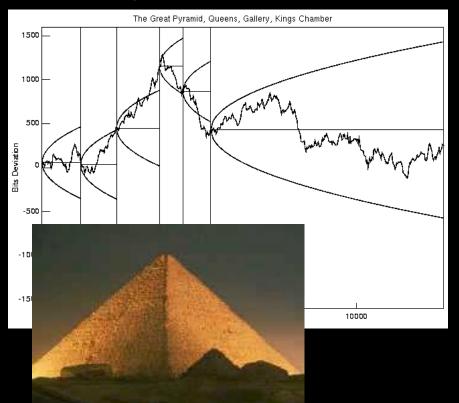
Field REG prediction: Deep engagement Coherent group consciousness and emotion

Expectation for the data is a level random walk

Numinous event: Shamanic Healing ritual for Devils Tower



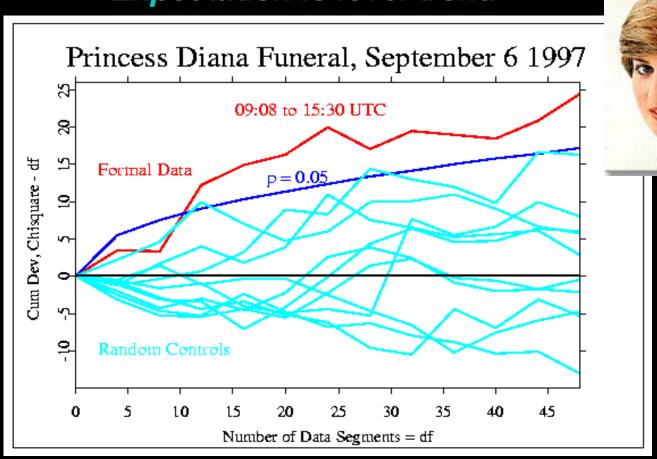




Global scope, a prototype

Colleagues in Europe and the US Collect 12 independent data streams

Expectation is level trend



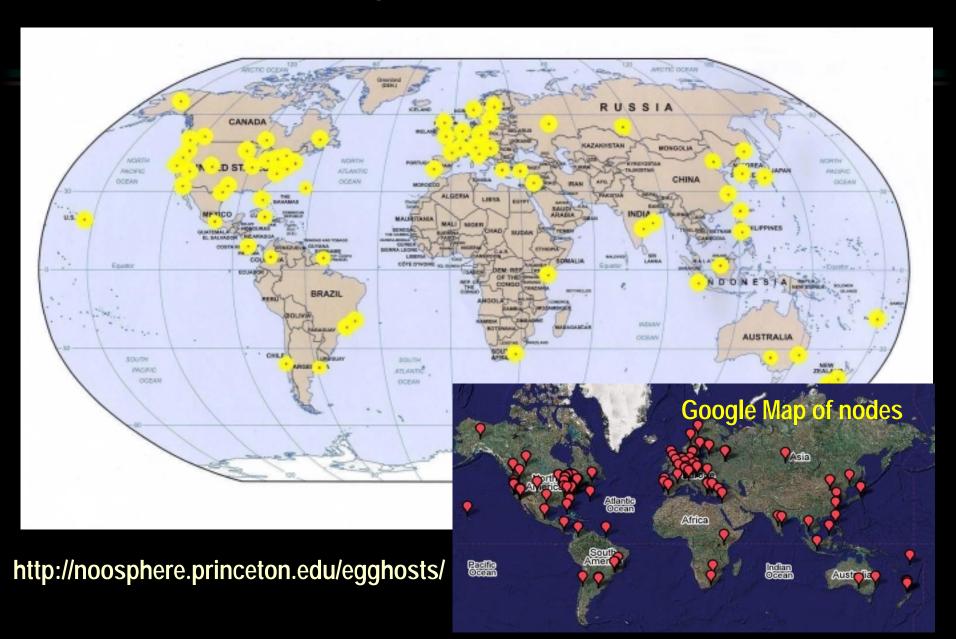
We were ready to ask a new question:

Could a world-spanning network of such Random devices capture evidence of an Emerging Global Consciousness?

When you put a thing in order, And give it a name, And you are all in accord, It becomes.

- - From the Navajo

A world-spanning network of REGs (EGGs) •



Global Consciousness Project (aka the EGG Project)

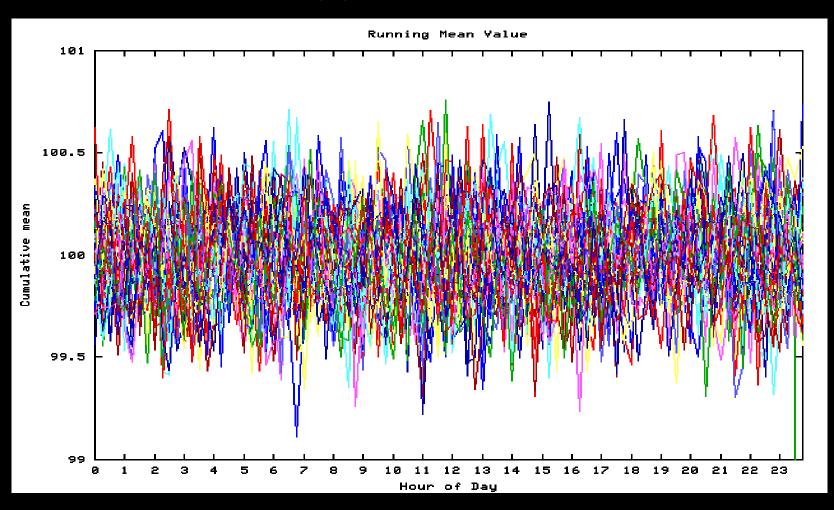
The people: International collaboration, 100+ people Network of over 65 host sites world wide

The tools: REG technology, Field application A world EEG – an *ElectroGaiaGram* or *EGG*

The method: Identify deeply engaging global events, predict correlated deviations in network data

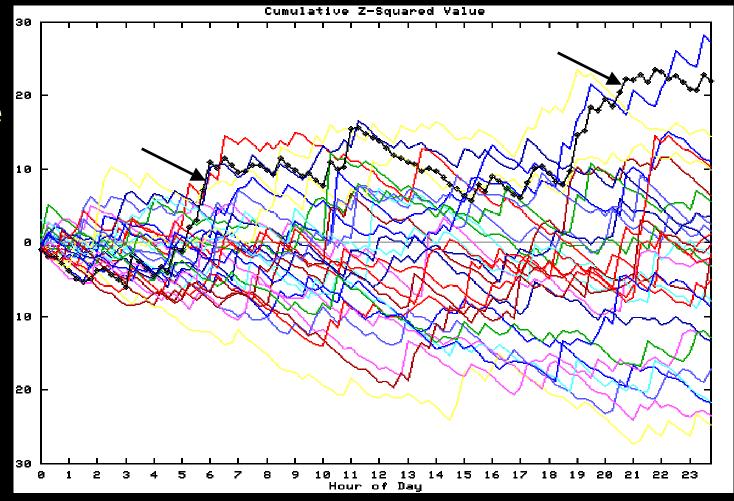
The question: Can we capture a glimmering of Global Consciousness?

Internet transfer of data to Princeton Combined data for a whole day From all eggs – It looks random



We can see better what's happening by Plotting cumulative deviations (χ^2 - df) Correlation tilts ... variance spreads

Average cumulative deviation shown by the black dotted line



Squared average Z-score across Eggs Network Variance (Chisquare distributed) • Cumulative deviation should be a random walk •

Many events show only The expected level trend

Minneapolis Bridge Collapse, Aug 1 2007

1700 to 2200 local

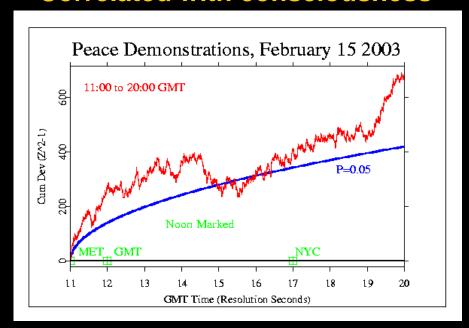
58 Eggs

Collapse

O 5 001 001 05 0 1 2 3 4 5

Hours (Resolution, 1 sec)

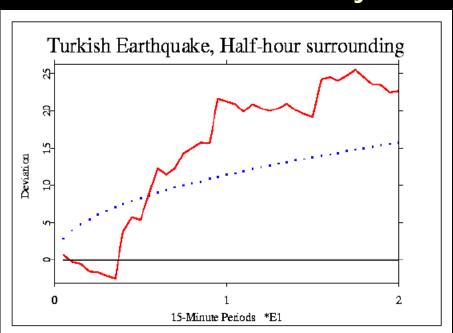
But ~ 70% show departures From expectation apparently Correlated with consciousness



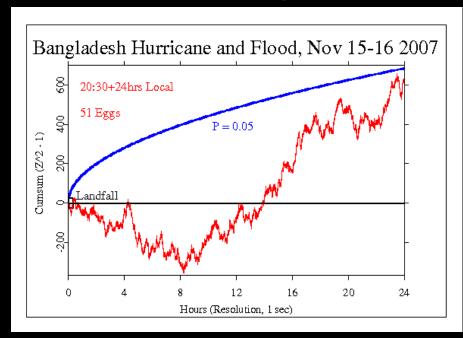
15 to 20% significant at 5% level (we use a one-tailed prediction) •

Continuous random sequences since 1998 <u>History of data</u> that we can compare with a <u>History of Global Events</u>, e.g. Natural Disasters

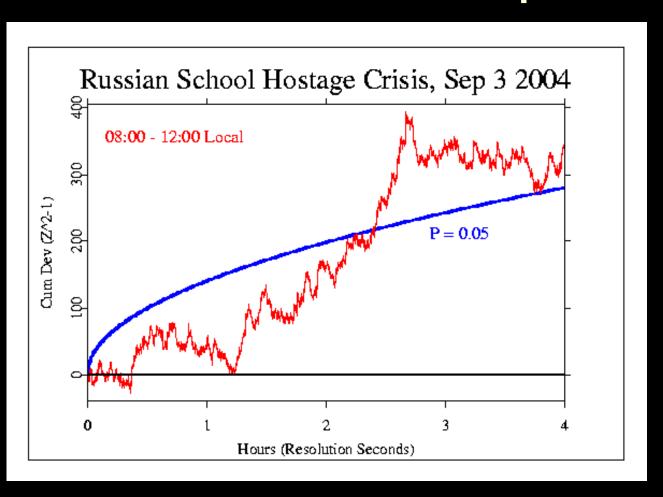
Earthquake Aug 17 1999 Near Istanbul, Turkey



Hurricane and Flooding Nov 2007, Bangladesh

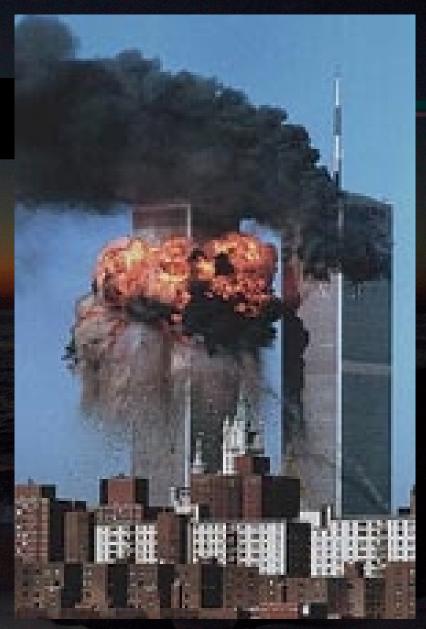


Human Tragedies: World attention riveted Ossetia hostage crisis, hundreds at risk Does the EGG network respond?



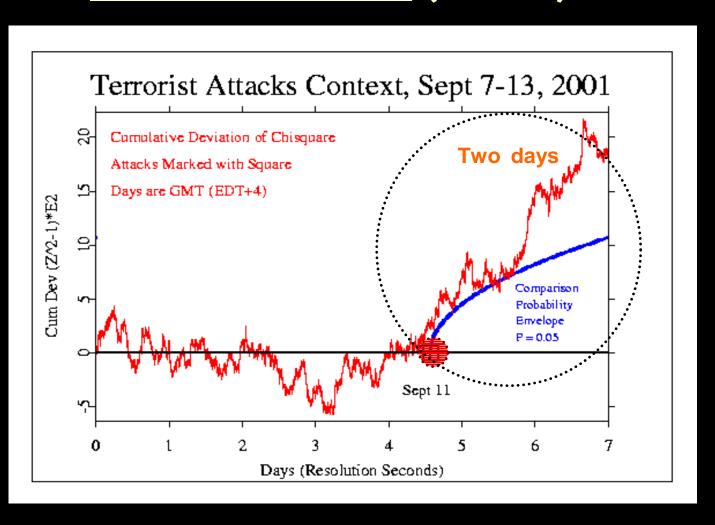
Human caused Disasters yield Strong effects

The World
Trade Center
September 11
2001

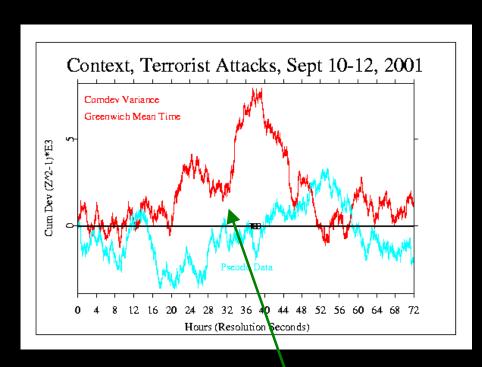


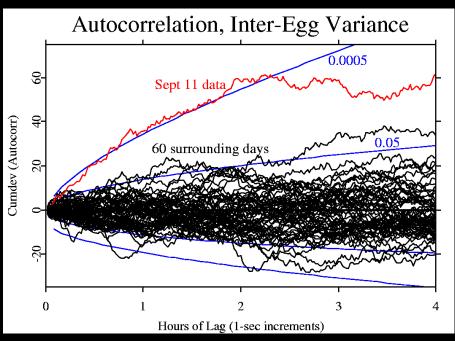
Tamara Beckwith

September 11 2001 Destruction of the World Trade Towers Increased network variance (Netvar) for 50 hours



Further assessment of data around 9/11 Learn about the context and broader effects Device Variance Spikes, Autocorrelation is Huge



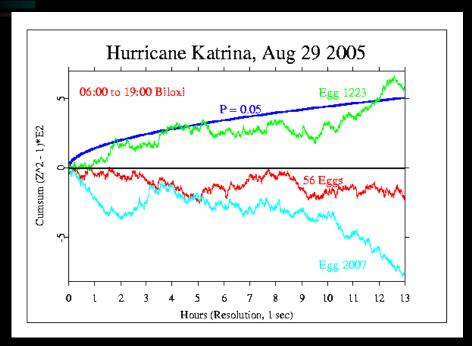


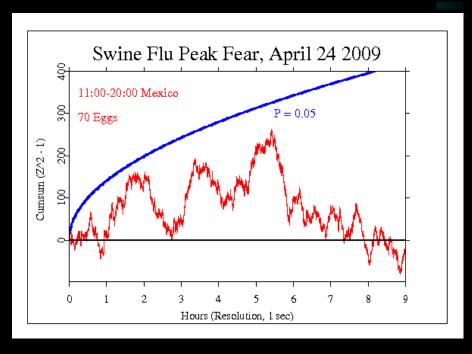
Notice the timing: Shift begins at 4:30 am ET

But big events don't always show predicted effect

Hurricane Katrina

Swine Flu Pandemic

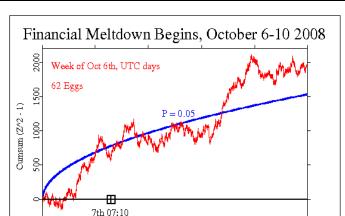




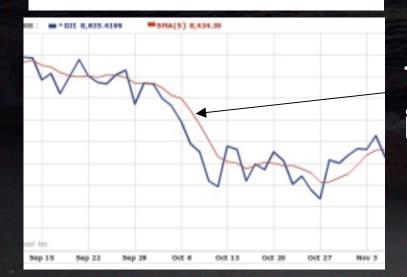
Our signal to noise ratio is low, so real effects may be buried, or noise may masquerade as signal. Solution? Many replications of the hypothesis test.

Dick Allgire's talk inspires me to show another slide: "Remote Viewing" of Half Past Human analysis of Oct 7

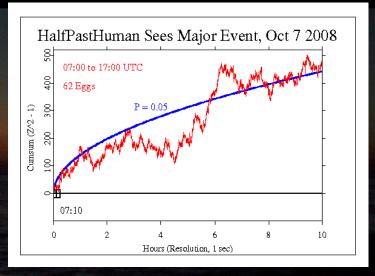
William Treurniet's analysis of market fall



Hours (Resolution, 1 sec)

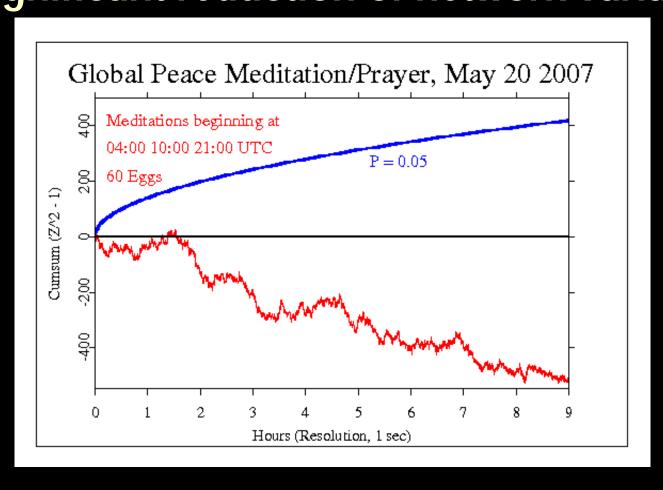


Clif's half past human prediction of Oct 7, 7:10



The straight red segment in the middle is Oct 6-10

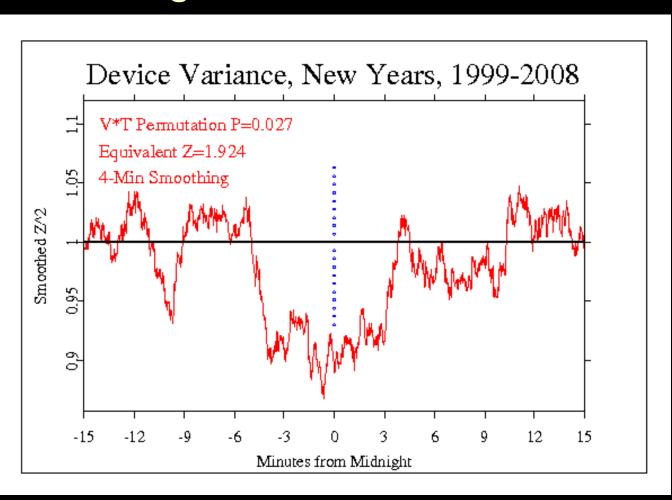
The network also responds to positive events Synchronized meditation Half a million people around the world Significant reduction of network variance



Note that this trend is opposite to prediction.

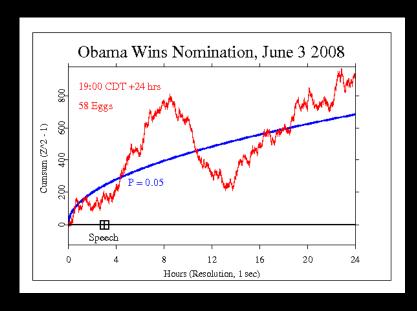
It subtracts from our composite bottom line.

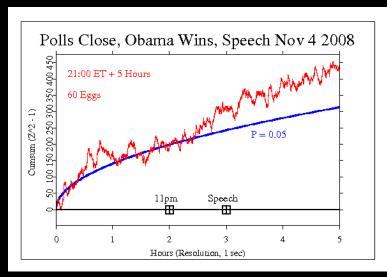
Celebration: New Years Eve 1999-2008 (10 years, 37 time zones) Signal averaged device variance decreases

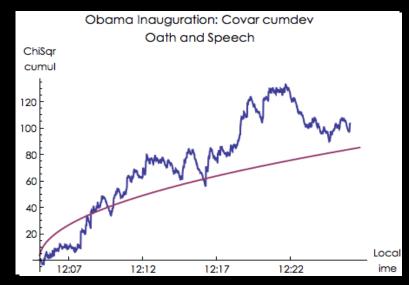


Elections 2008, Barack Obama

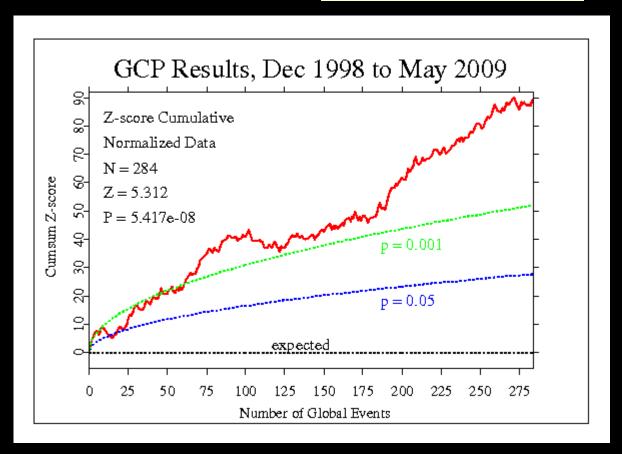








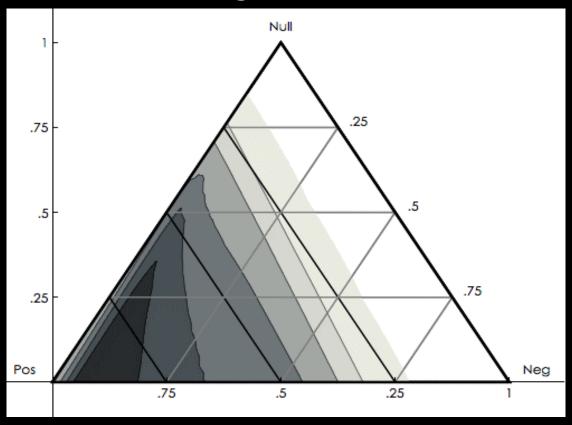
Concatenate 10 years of formal replications 284 rigorously defined global events Chance odds: 10 million to 1



But it is a small effect: The average Z-score is about 0.35

Deeper analysis

Proportions in three-way model of effects Positive = 67%, Negative = 17%, Null = 15%

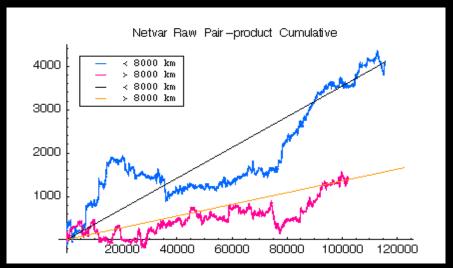


Average positive Z-score based on the model is about 0.59

Deeper analysis: Distance structure

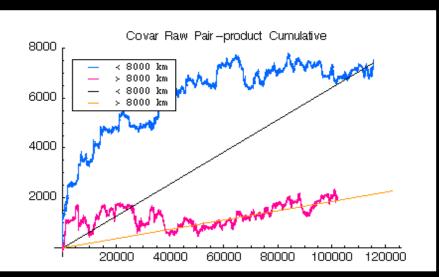
Closer pairs = Stronger correlations

S1: $Z_i Z_j$



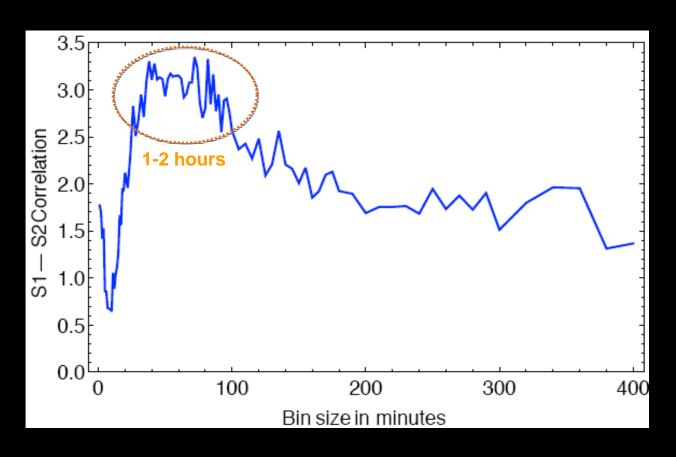
Independent 2nd measure

S2: $z_i^2 z_j^2$



Deeper analysis: Time structure

Correlation of two independent measures Z-scores maximal for events ~ 1-2 hours



A "moment" in global consciousness space?

Deeper analysis yields convergent evidence: Structure in data where there should be none Five independent measures and correlations

Structure	Sigma	P-value
1. Netvar (phase 1, obsrv eff?)	3.67	0.0001
2. Covar (phase 2)	2.45	0.007
3. Distance – NV (phase 2)	1.49	0.07
4. Distance – CV (phase 2)	2.48	0.006
5. Correlation - NV&CV (ph 2)	1.95	0.02
Combined Results Phase 2	3.90	0.00005
Combined Results Phases 1&2	5.35	5x10 ⁻⁸

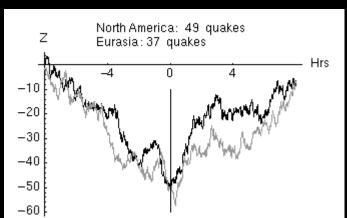
Calculations by Peter Bancel; Uses reduced dataset amenable to all analyses

Applications?

All Earthquakes, Richter 6 or More Cumulative Deviation of Covariance

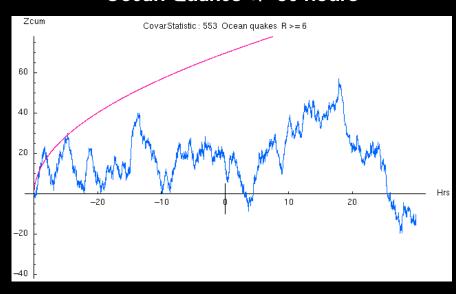
Quakes on Land +/- 30 hours





Consciousness implied Premonition suggested

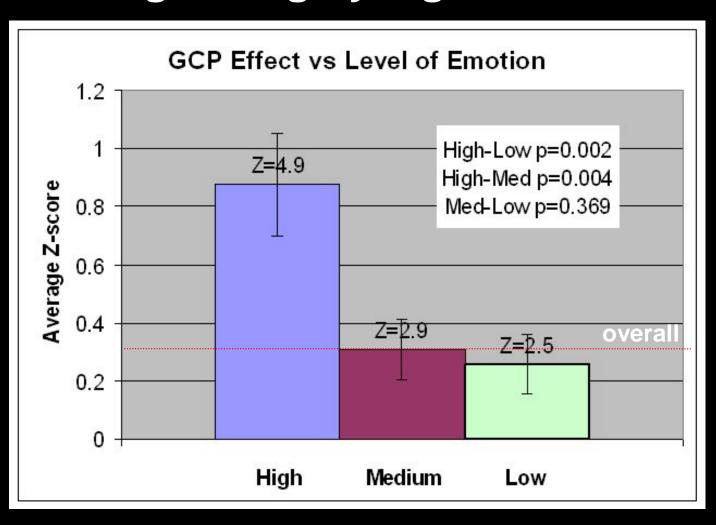
Controls (no humans affected) • Ocean Quakes +/- 30 hours



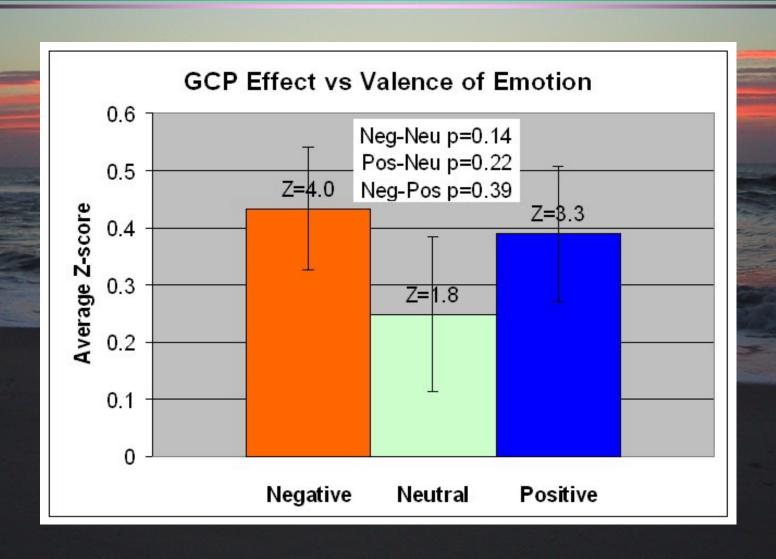
Same trend, independent subsets Begin early ~ 8 hours before quake

Exploring what matters, what doesn't

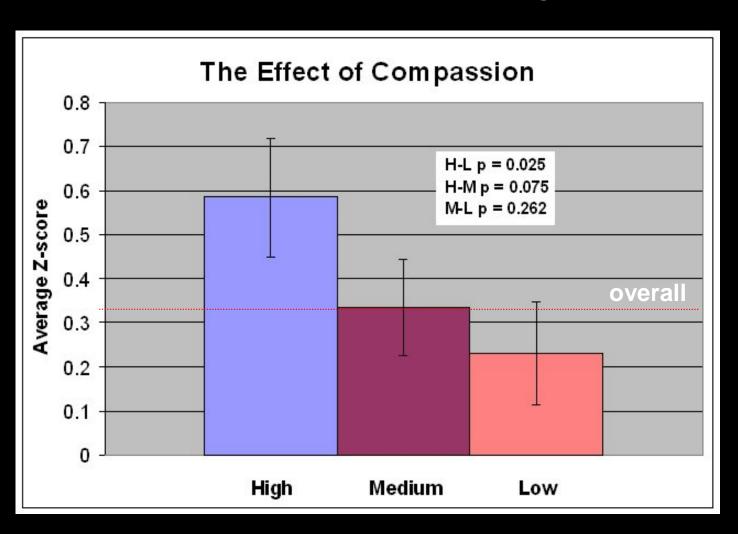
LEVEL of emotion relatively easy To assign -- highly significant factor



VALENCE: Both positive and negative events Have larger effects than neutral events (But differences are not significant)



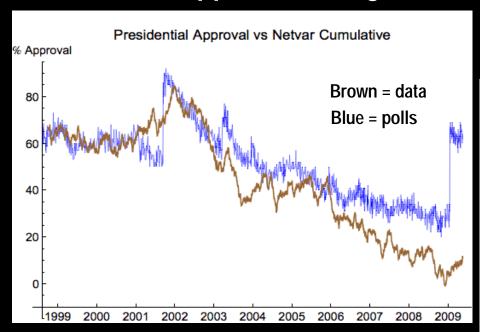
COMPASSION: Events that evoke or embody Compassion or love have larger effects



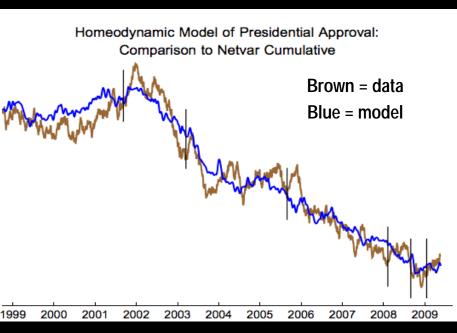
Intimations?

Long term trend suggests Searching for external correlates Social variable: Presidential Approval Rating

Raw Approval Rating



It is important to remember this is a correlation. There is no assertion of causation. 2 Parameter model fit F = a (value) + b (slope) •



Global Consciousness Project Extends and Amplifies Decades of Anomalies Research

- 1. Consciousness is "real" and has direct effects
- 2. Consciousness is extended and interconnected
- 3. Consciousness is nonlocal in space and time
- 4. Intention and emotion create information fields
- 5. Physical and statistical theories are incomplete
- 6. Scientific models must expand to include mind
- 7. Conscious evolution is possible and imperative

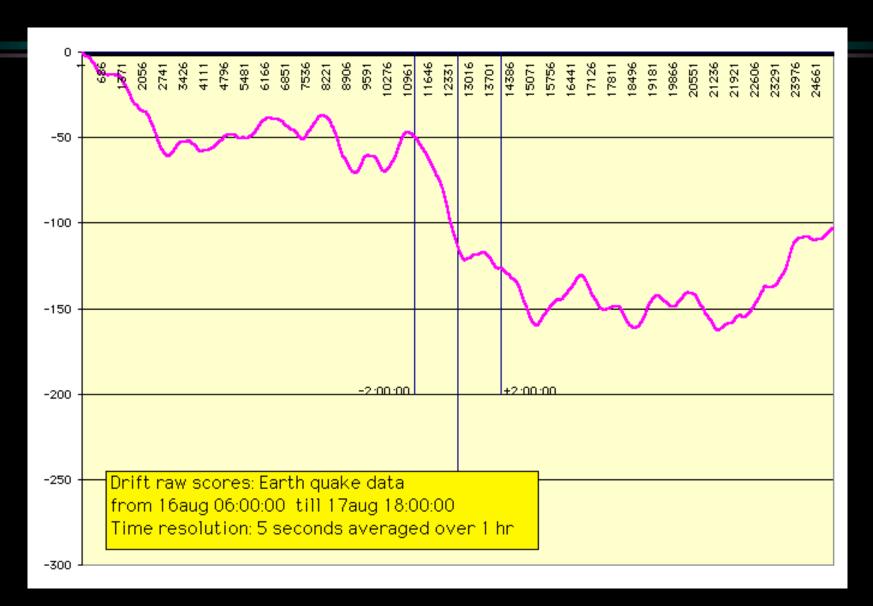
GCP/EGG Project The people who make it go

International collaboration of 100 Scientists, Artists, Friends, ... Peter Bannel, Paris, professional analysis, collaboration William Treumiet, Canada, egganalysis programming John Walker, Switzerland, programming, general support Richard & Connie Adams, USA, general support Paul Bethke, USA, windows programming, network Dick Bierman, Netherlands, design and realtime display Dean Radin, USA, design and independent analysis **Brad Anderson, USA, widget programming** Taylor Jackson, Canada, realtime display maintenance Greg & Lefty Nelson, USA, program architecture, general support Fernando Rodríguez, Spain, egghosts google map Dale, USA, realtime display and daily movies York Dobyns and PEAR, general support, server hosting Leane Roffey, USA, music, outreach, general support Jaroen Ruuward, Netherlands, realtime programming Dick Shoup, USA, independent analysis Nishith Singh, India, realtime programming Mahadeva Srinivasan, India, general support And all the EGG hosts around the world

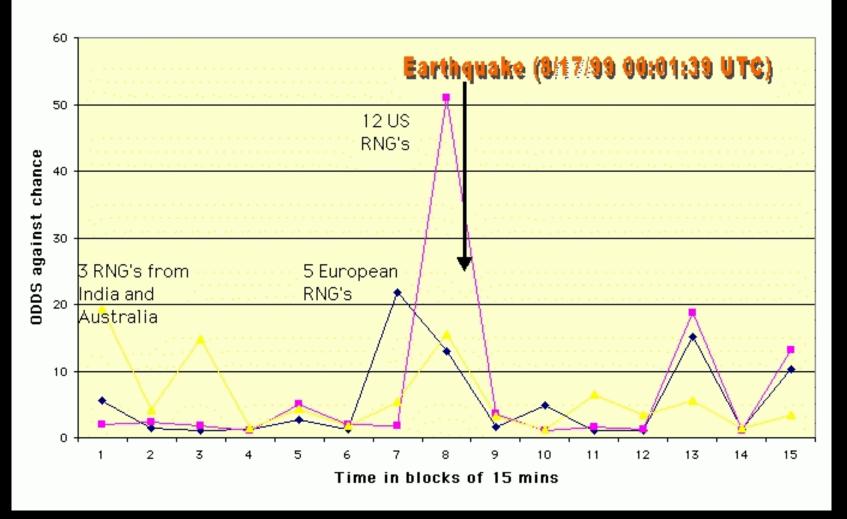
Theory? David Bohm, *The Implicate Order*

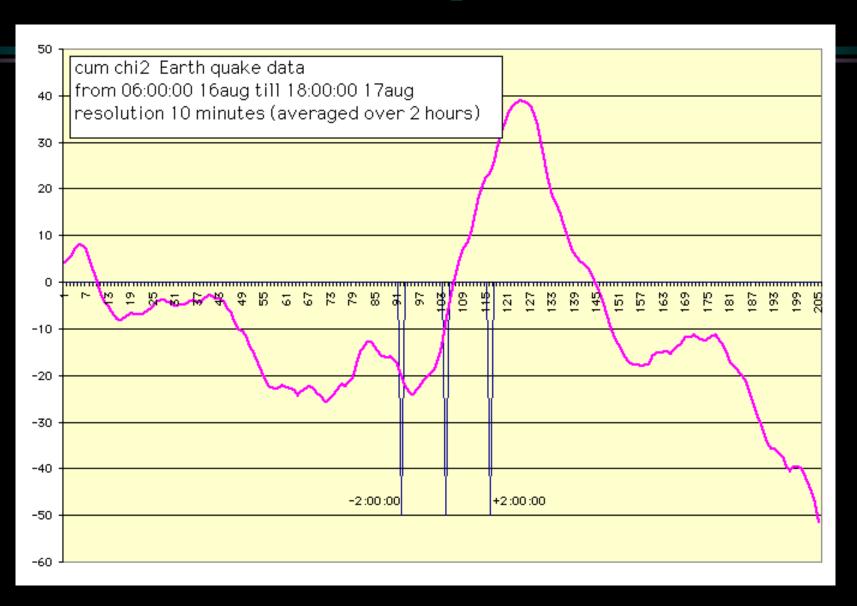
Active Information: Virtual Field, Actualized at Need

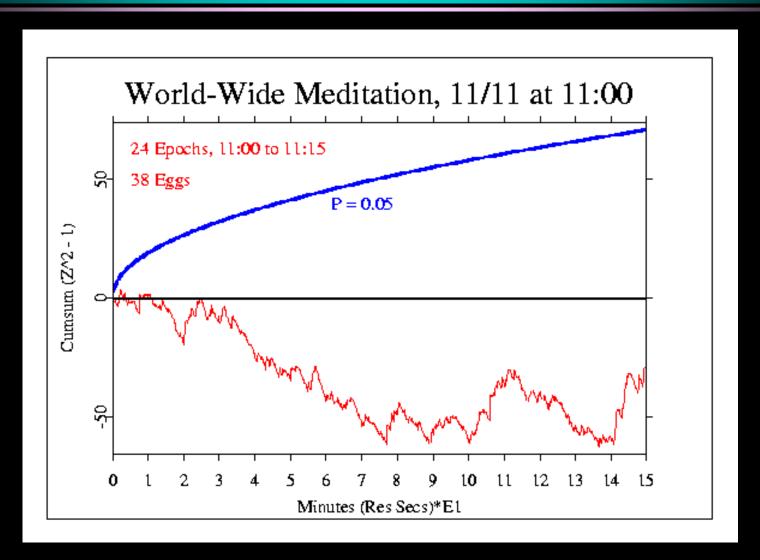
- e.g. Remote Viewing: Task creates "need" Target provides active information
- e.g. Disease or Injury: "need" for structure Remote healing, prayer provide it
 - e.g. GCP Eggs: Labile, open for structure Attention and emotion provide it

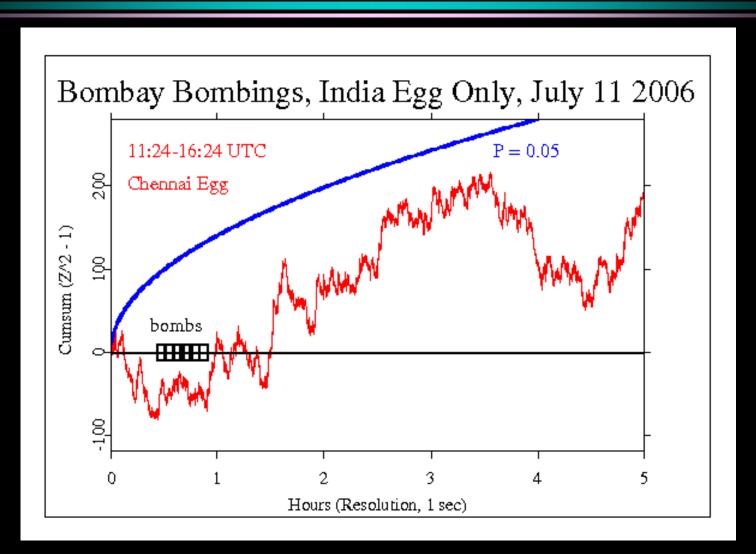


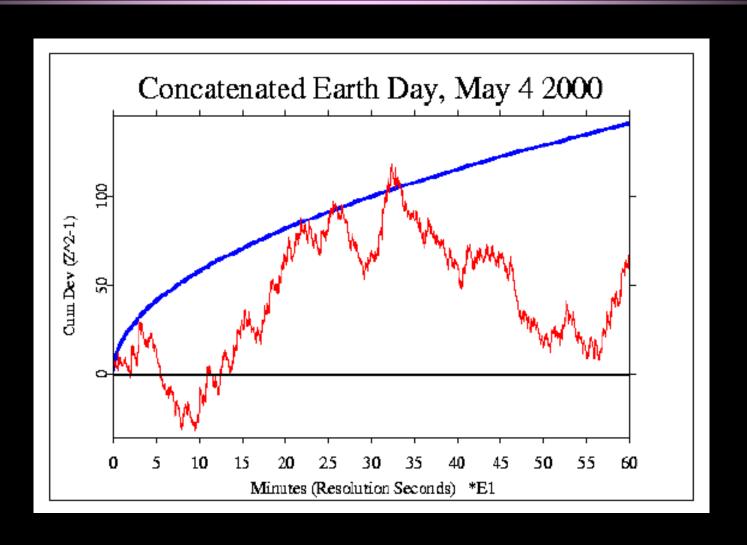
Turkey Earthquake (RNG's split)
Period from -2:00:00 till +2:00:00

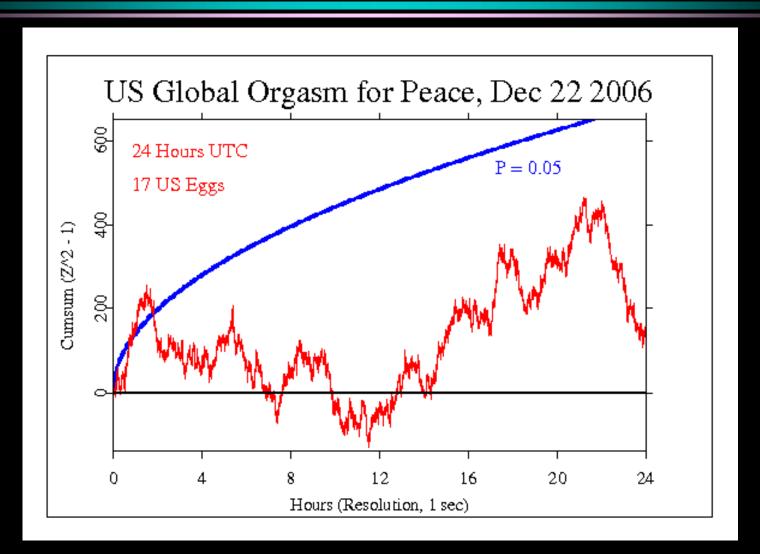


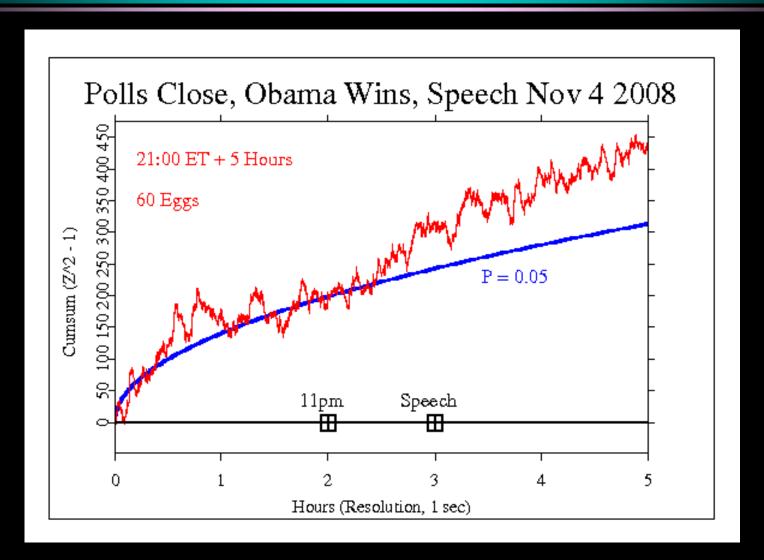


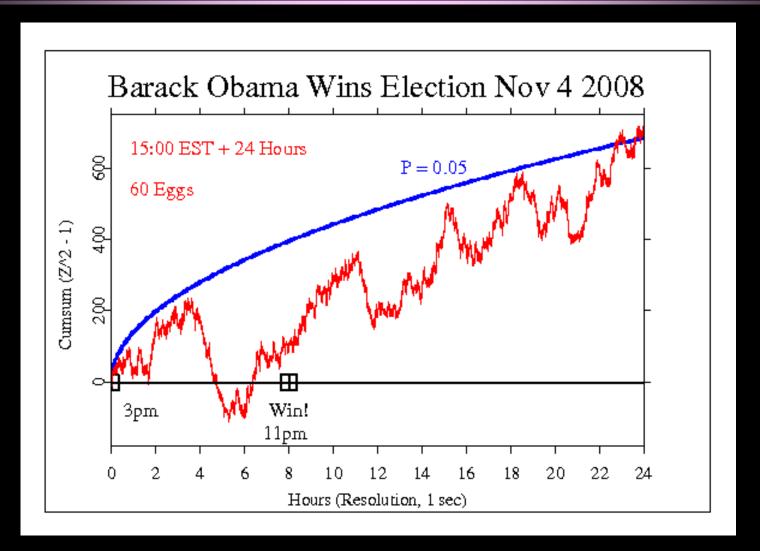


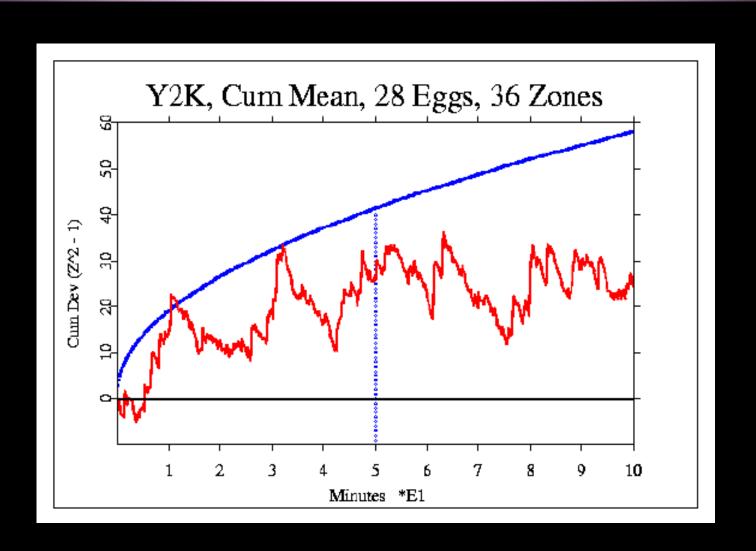


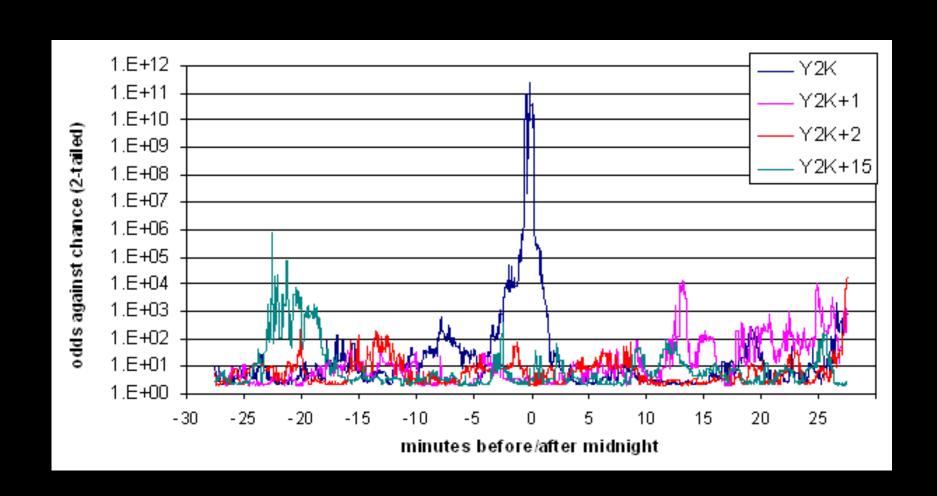




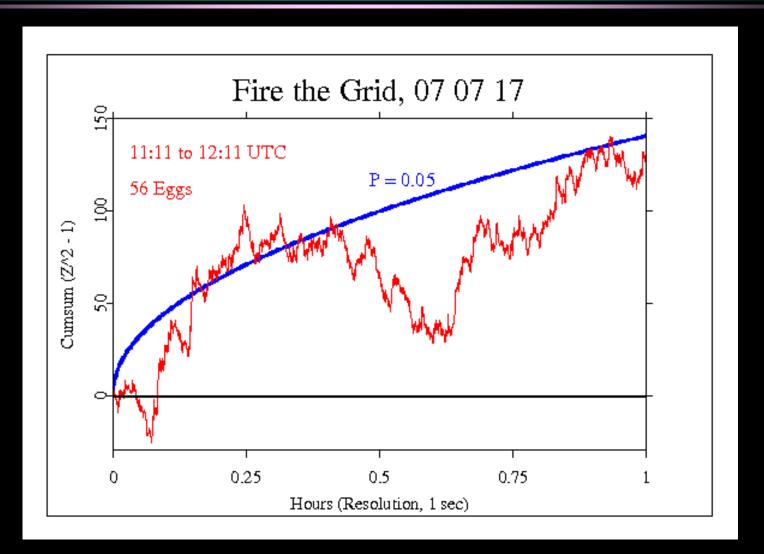


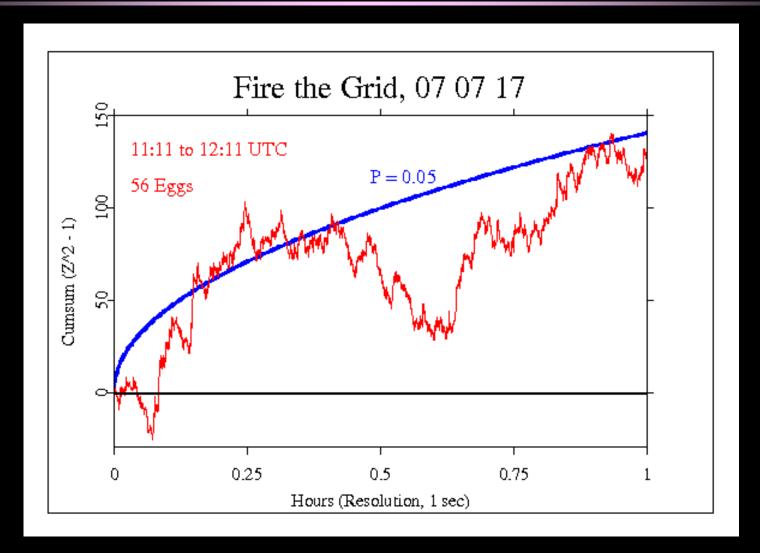


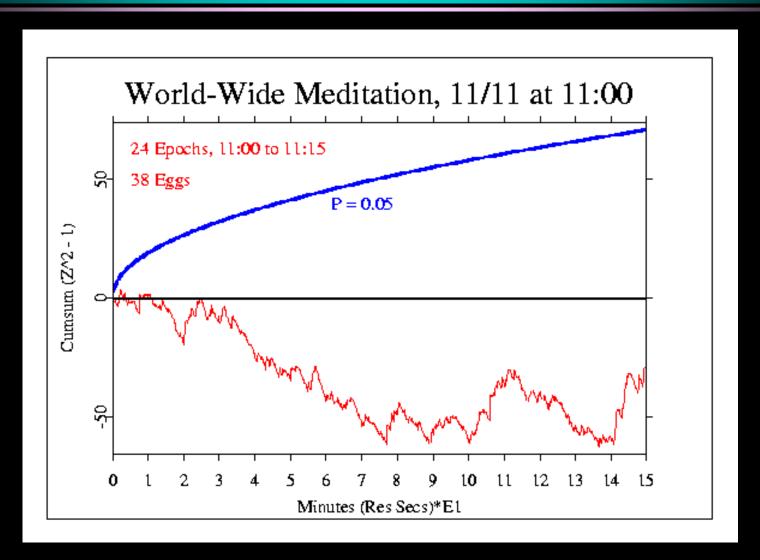






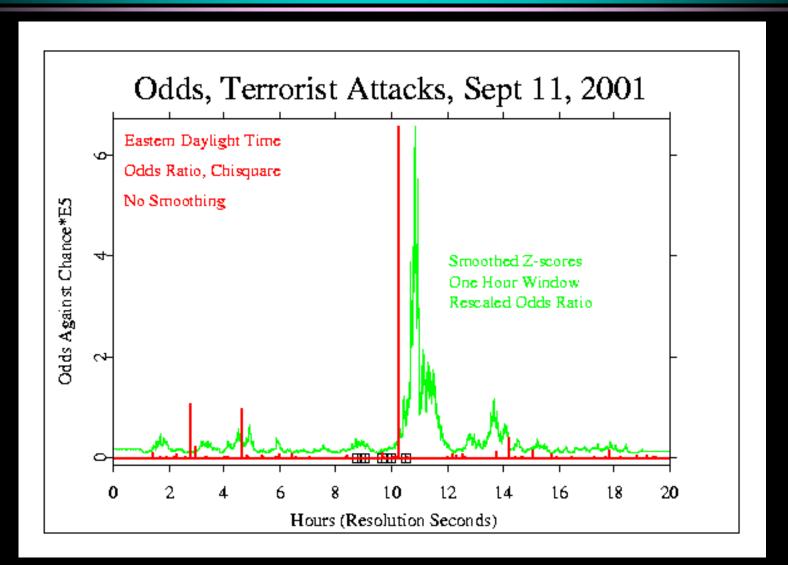


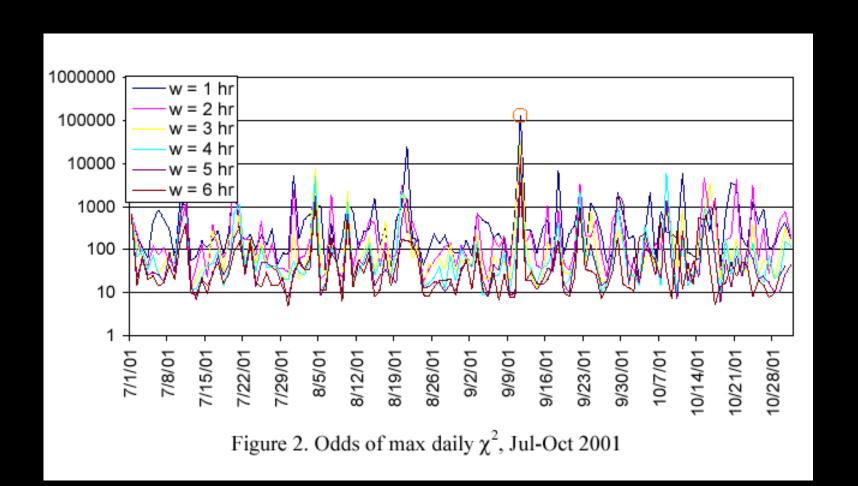


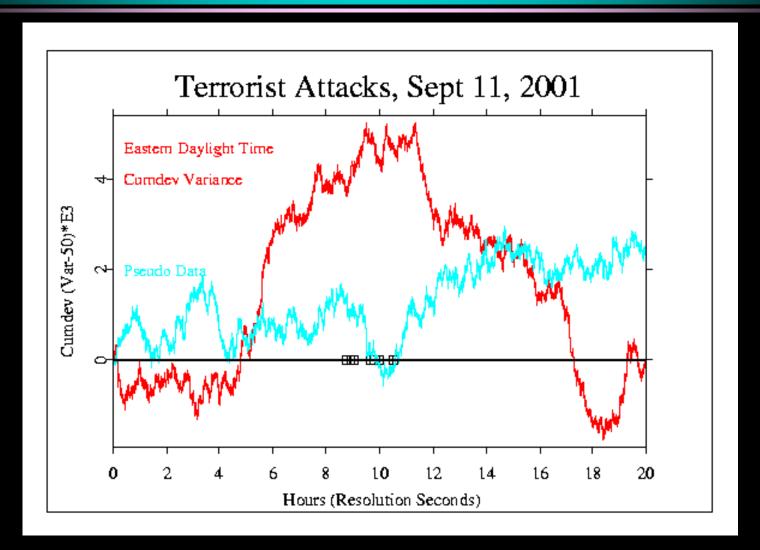


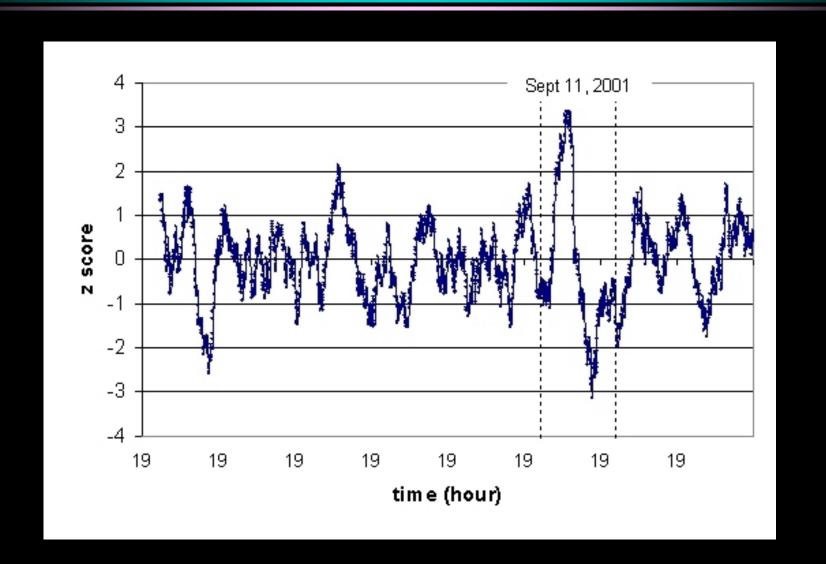
911 EGG data map

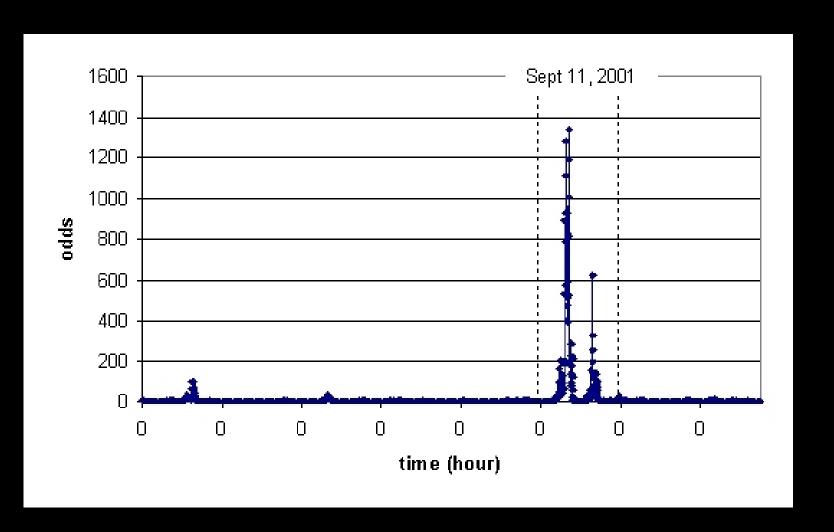






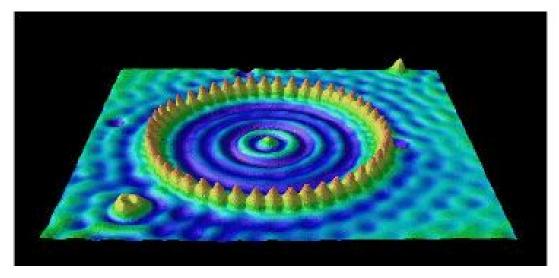






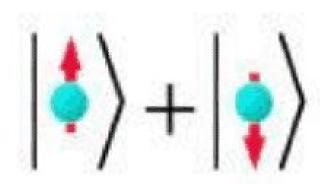
Quantum superposition In the quantum world, particles/objects....

Behave like waves......

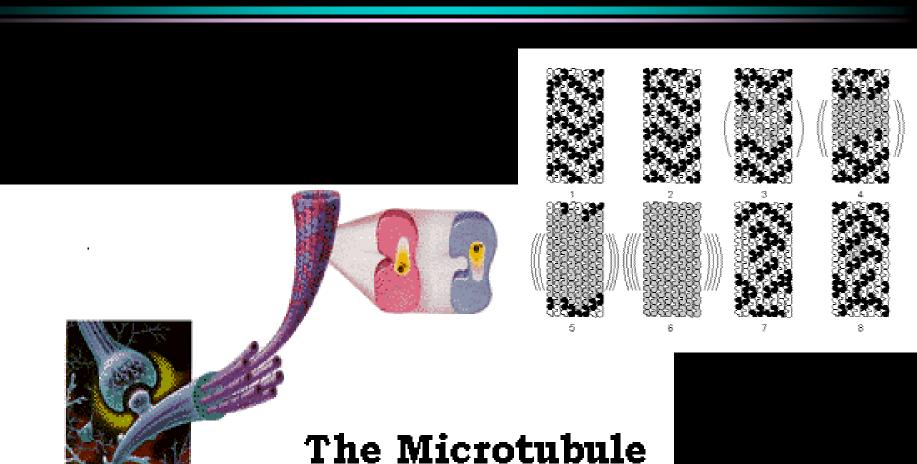


Exist in two or more locations or states simultaneously (quantum superposition),

Electron spin up and spin down



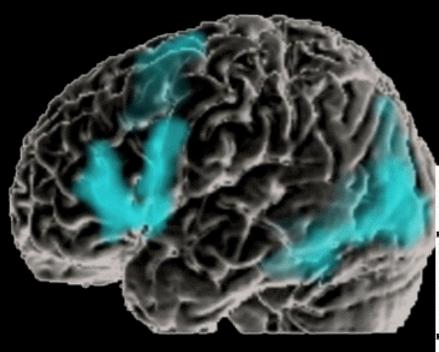
Quantum Computing . . . In Biology

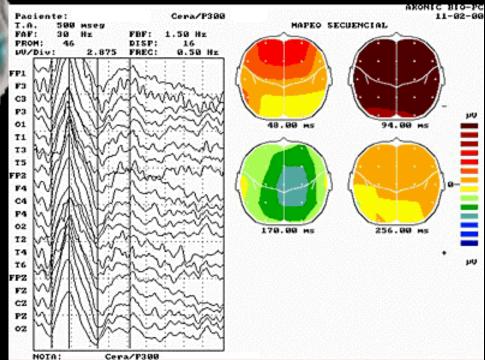


Brain Mapping

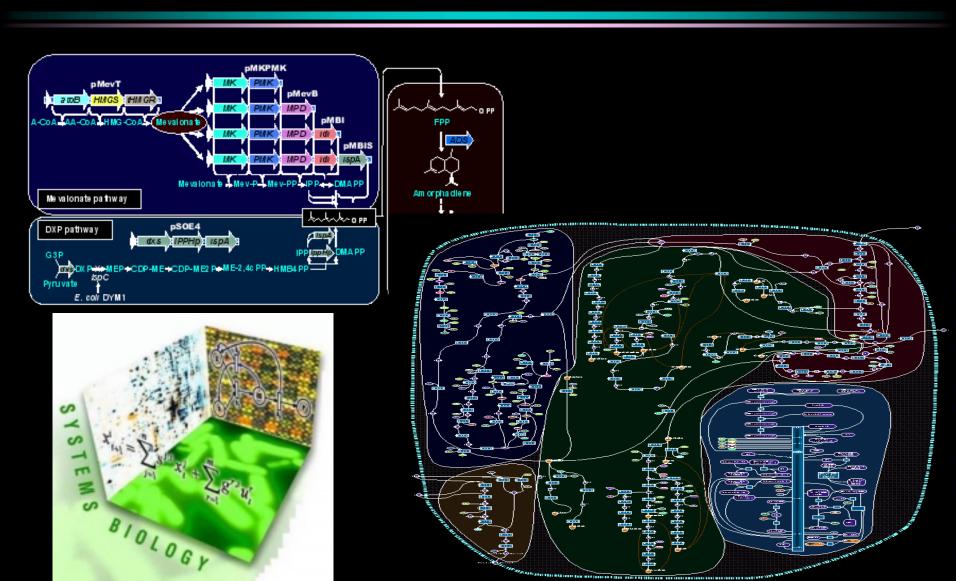


Correlating to Cognition

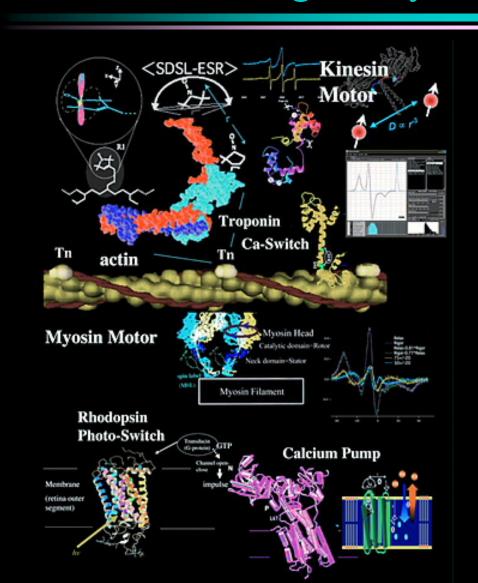


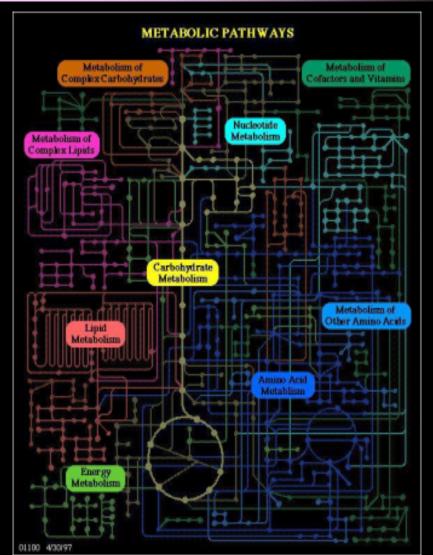


In-Silico Biology – Biomolecular Pathways



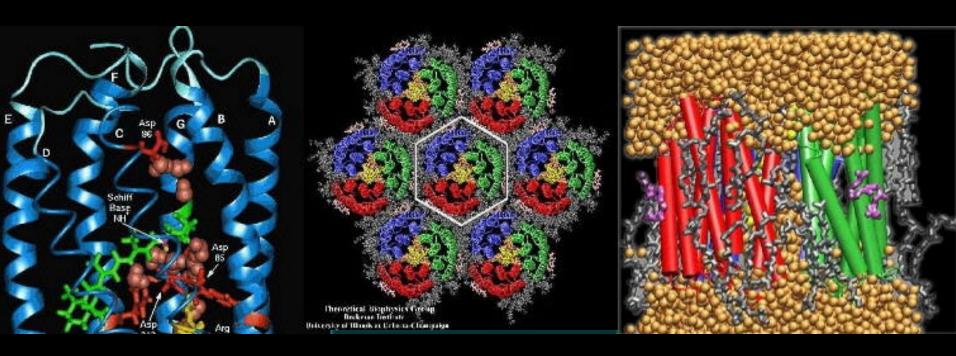
Synthetic Biology Building Blocks > Biological Systems Architectures





Nanostructured biomaterials as a dynamic interface for quantum entanglement interaction

- Rhodopsins, other nanobiological organic material systems
- Engineered electro-photonic transition properties



Focussed intentionality amplified and tuned as an instrument of influence for "spawning" the history of our future – system architecture overview

Quantum Entanglement Measurement

Aesthetic Audio/Visual Interface

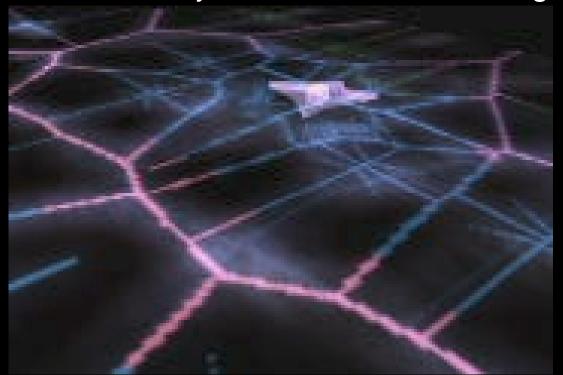
Collective Internet Enabled Consciousness Grid Computing Enhancement

Non-localized phenomenological mapping

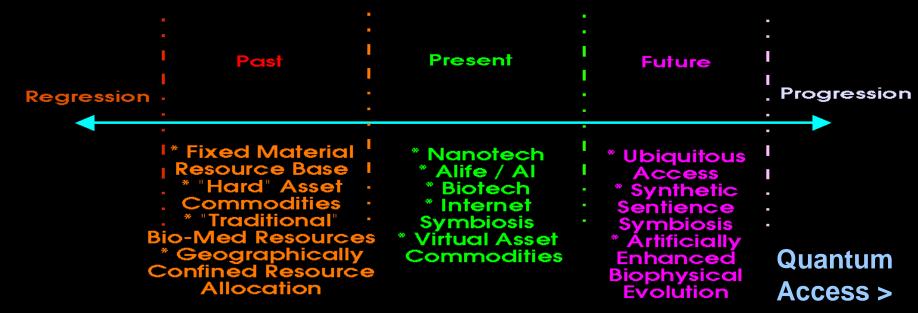
Artifact Extraction Feedback Enhancement

Focussed intentionality amplified and tuned as an instrument of influence for "spawning" the history of our future – system architecture overview

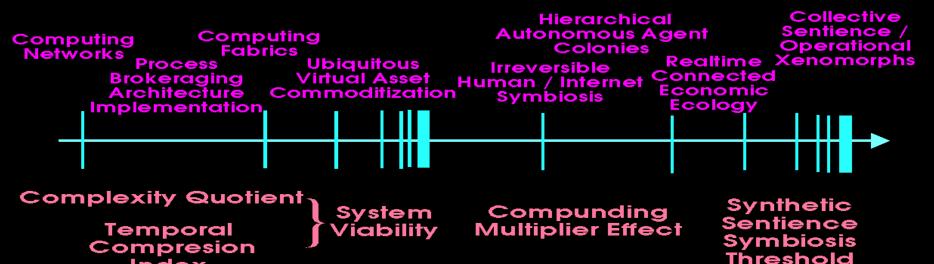
Collective Consciousness Enhancement Evolution of the Hybrid Quantum Meta-Organism



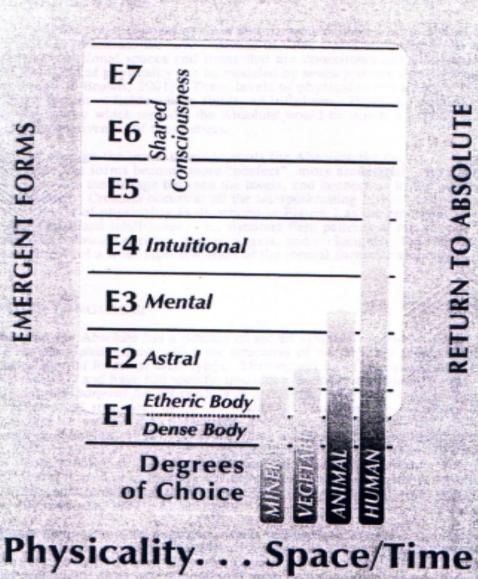
Technology Driven Socio-Anthropological Evolutionary Threshold Domains



Evolutionary Eventstream Seminal Markers



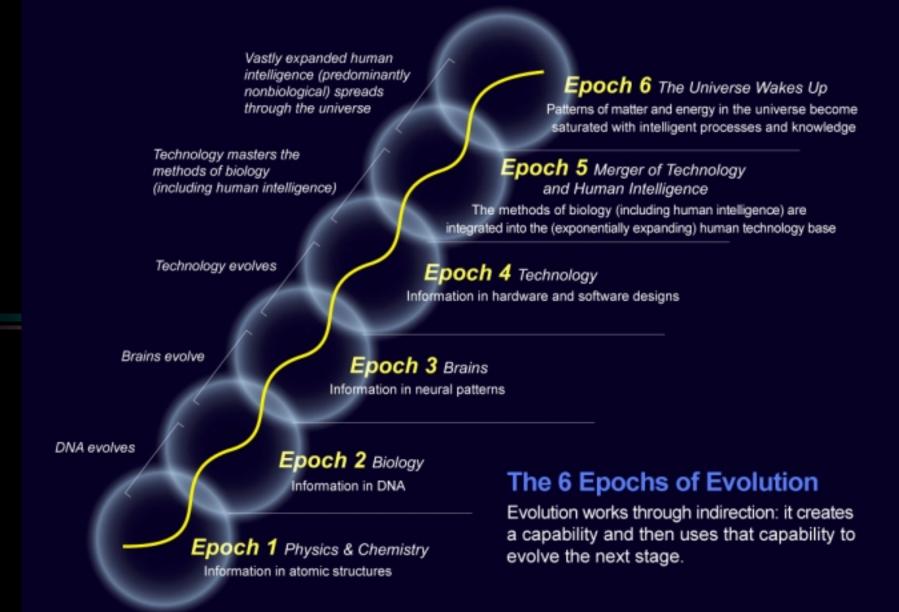
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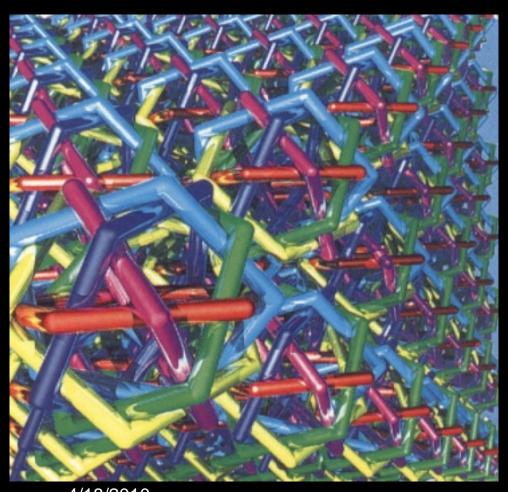
RETURN TO ABSOLUT

Excerpted from: "Domain of Unbounded Potential – The Science of the Absolute"

> William Gough Dean Brown

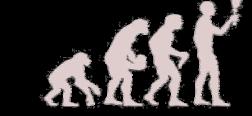


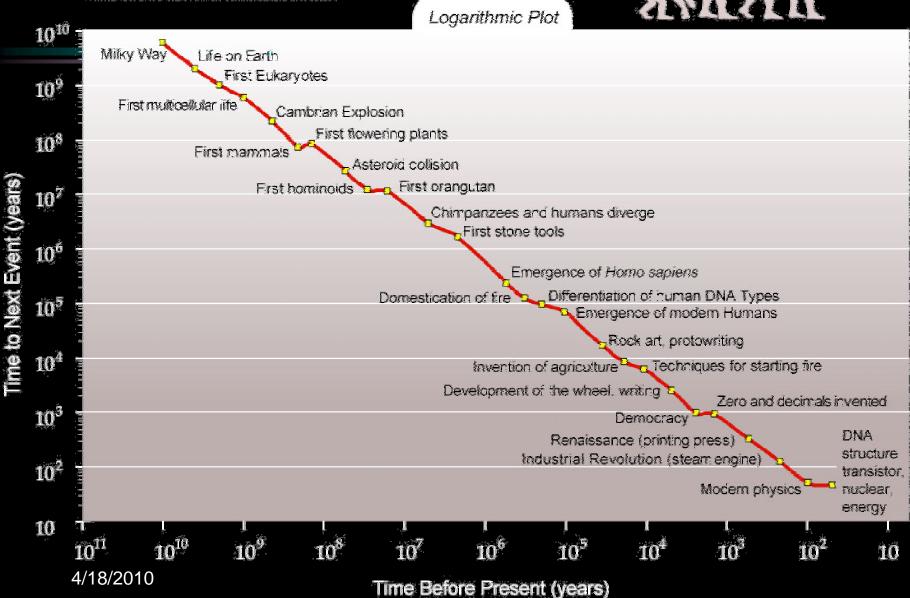
Michio Kaku Civilization Hierarchy

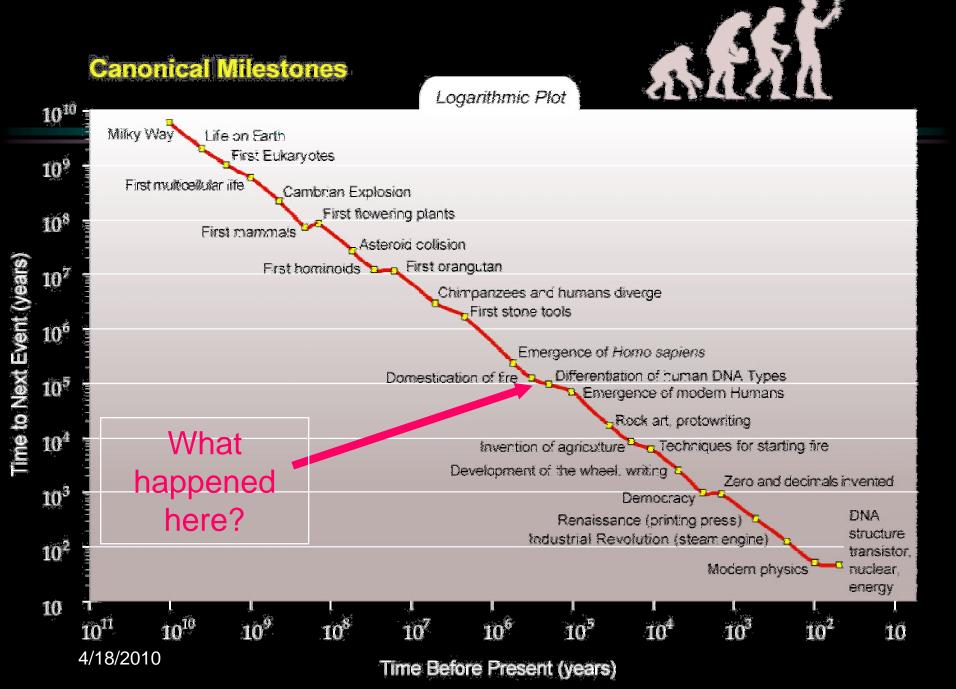


Type 0 fixed localized resources **Type 1** renewable planetary resources **Type 2** invulnerable to planetary phenomena **Type 3** interstellar travel Type 4 wormholes – transdimensional access to multiple universes









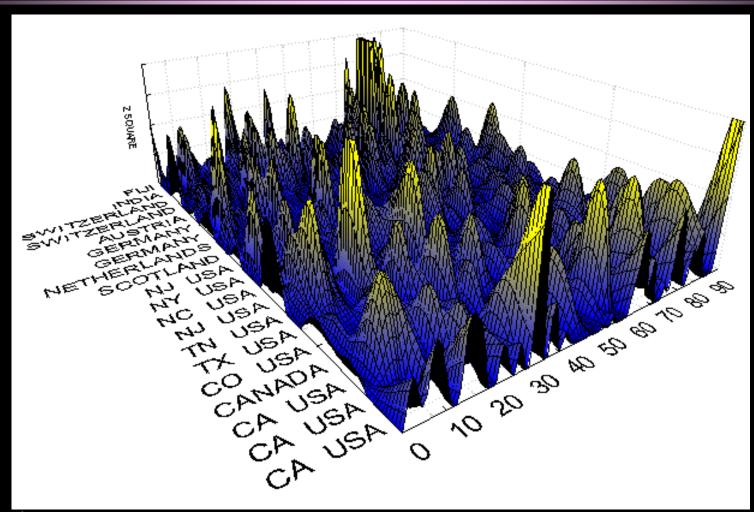
We are Biophysical Manifestations of Entities Dwelling within the Ubiquitous "Quantum Jello" Manifold –

- All Living Things are Interconnected into an non-localized Operational Ecology
- This Planet as a "Living System" is Interconnected into a Cosmological Ecology

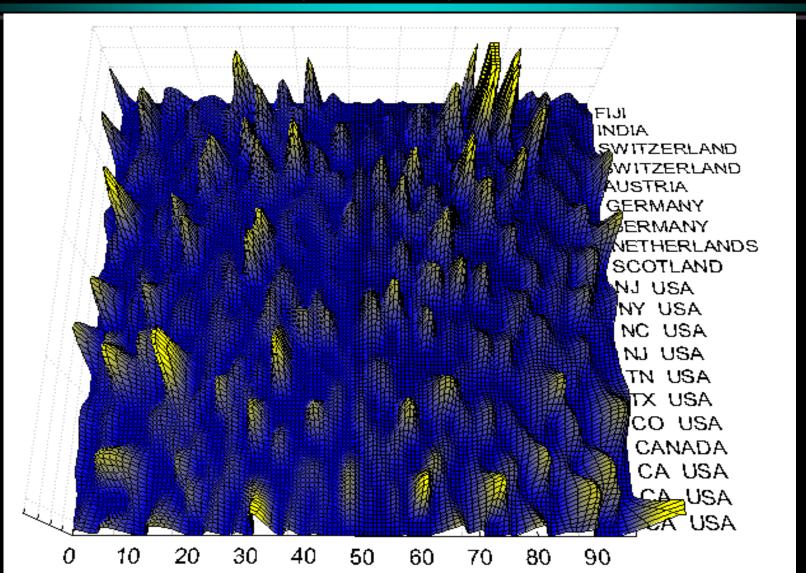




Evidence of Non-locality Entanglement Artifacts of Quantum Domain State Phase Transitions Affecting RNG Datastream Statistical Variants – Mass Mental Synchronicity Event Correlation

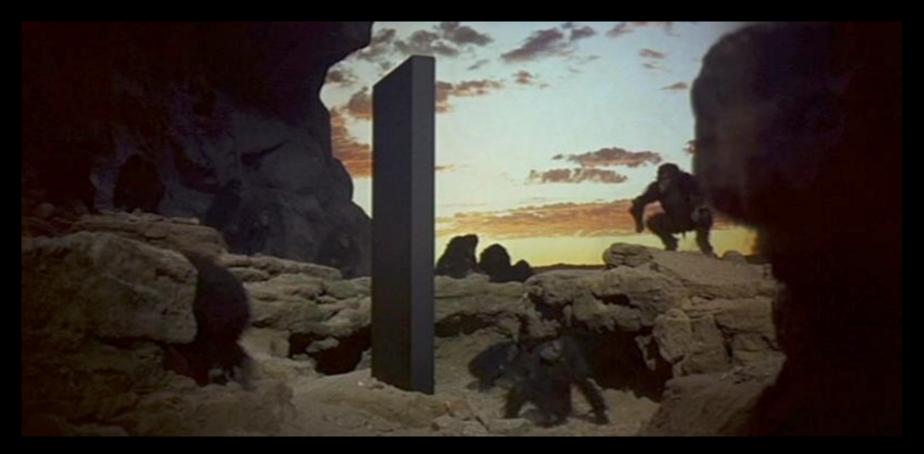


Evidence of Non-locality Entanglement Artifacts of Quantum Domain State Phase Transitions Affecting RNG Datastream Statistical Variants – Mass Mental Synchronicity Event Correlation



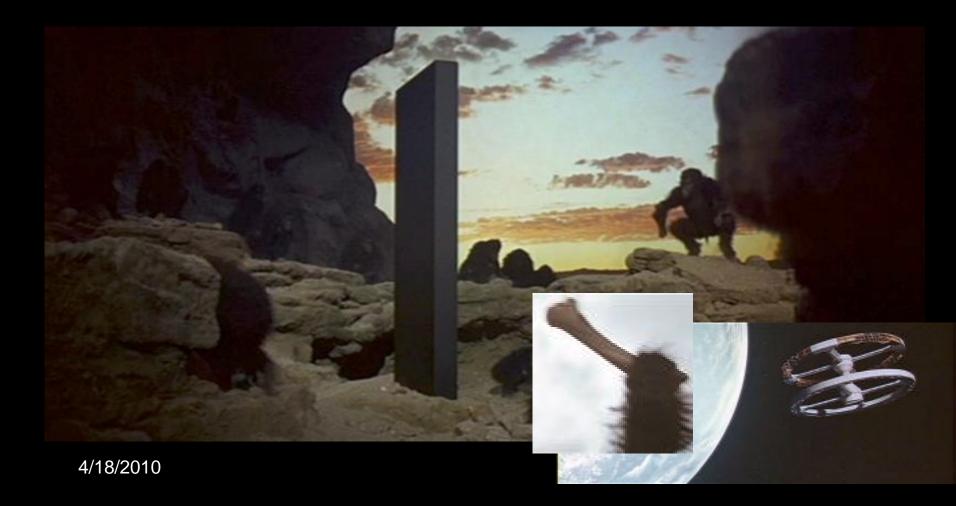
Think Different – Think *Holographic*

The Evolutionary Evenstream . . .



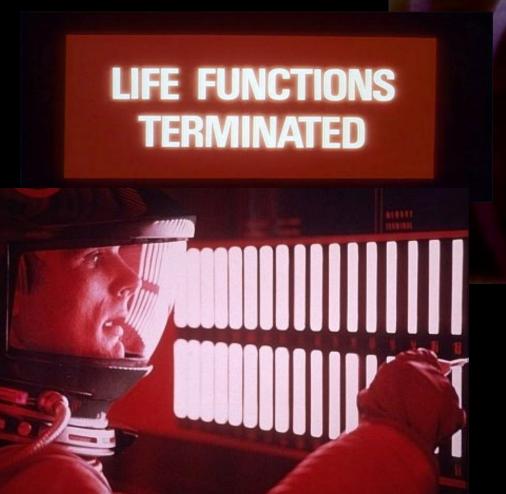
Think Different – Think *Holographic*

The Evolutionary Evenstream . . .



Think Different – Think *Holographic*

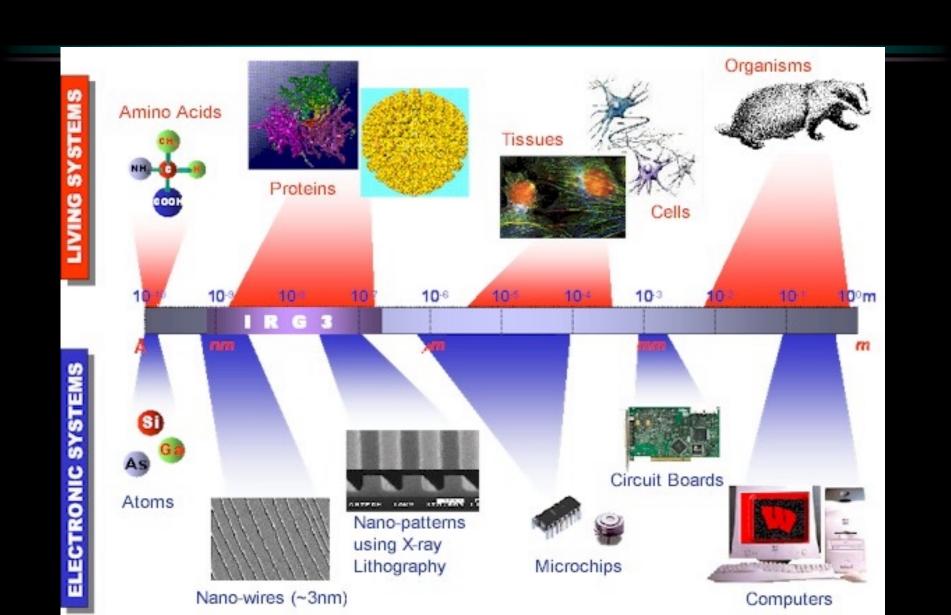
The Evolutionary Evenstream . . .





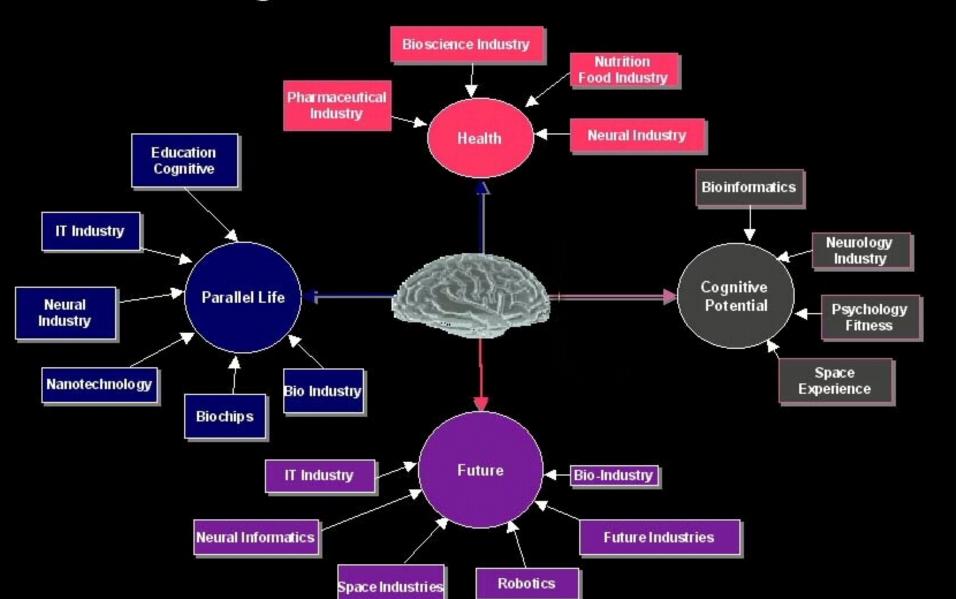


Approaching an Event of Planetary Significance . . .



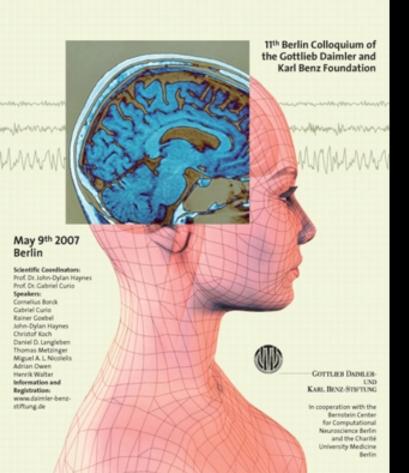
Primary Convergence Vectors

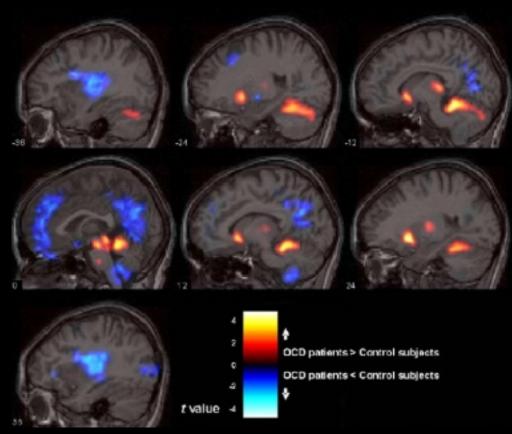
Industries Segments in Neural Industries 2002-2020



Neuro Aesthetics – the next realm of Consciousness Enhancement

Exploring the Mind What Our Brain Reveals about Our Thoughts

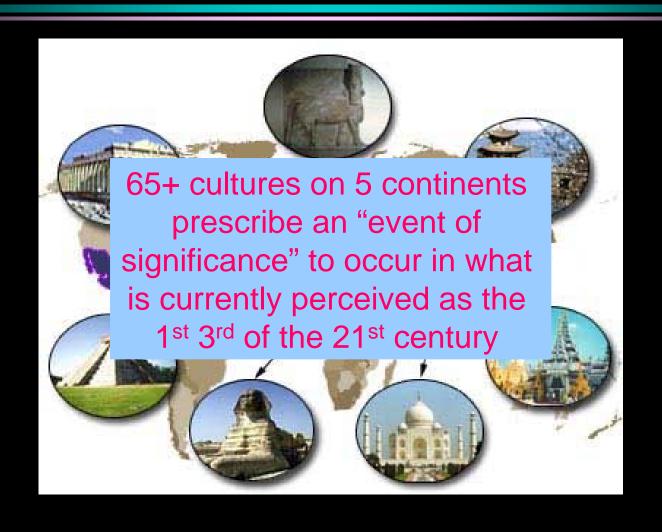




Existence Navigation – In the Beginning, the End



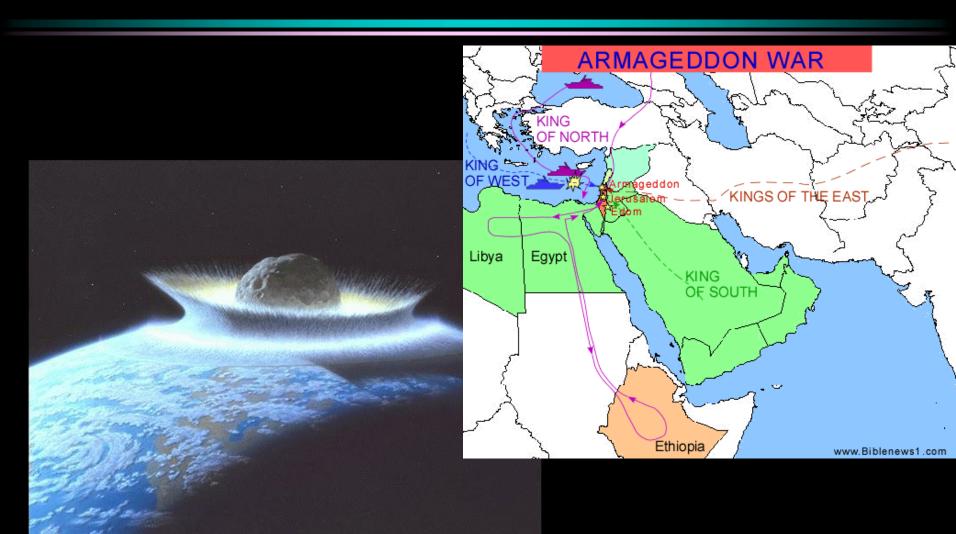
Existence Navigation – In the Beginning, the End

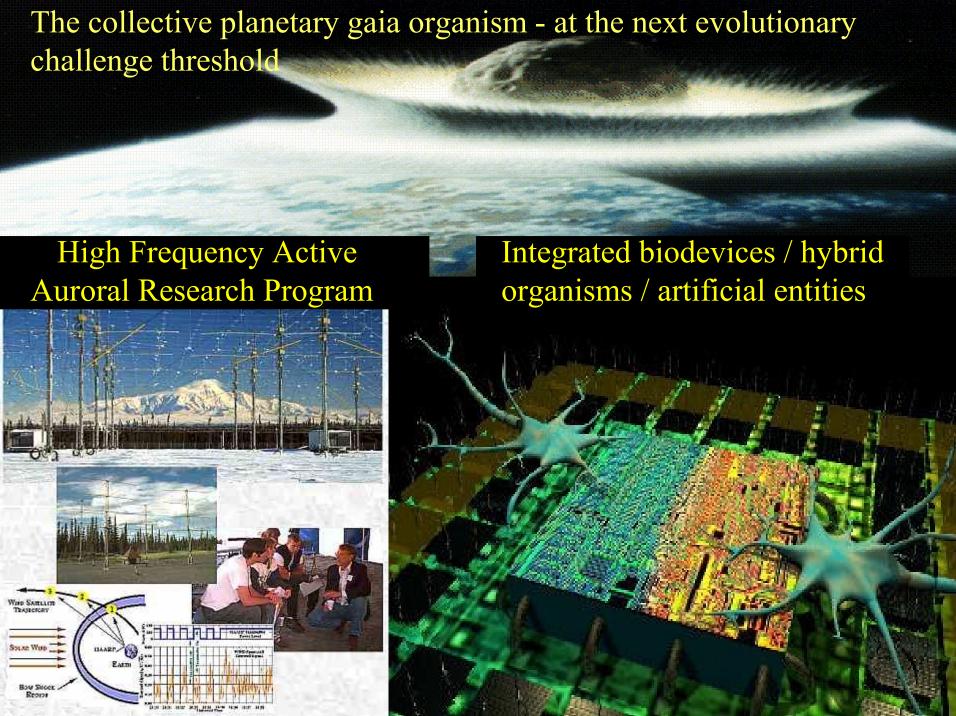


Approaching the end . . . Define "end"



Approaching the end . . . Define "end"







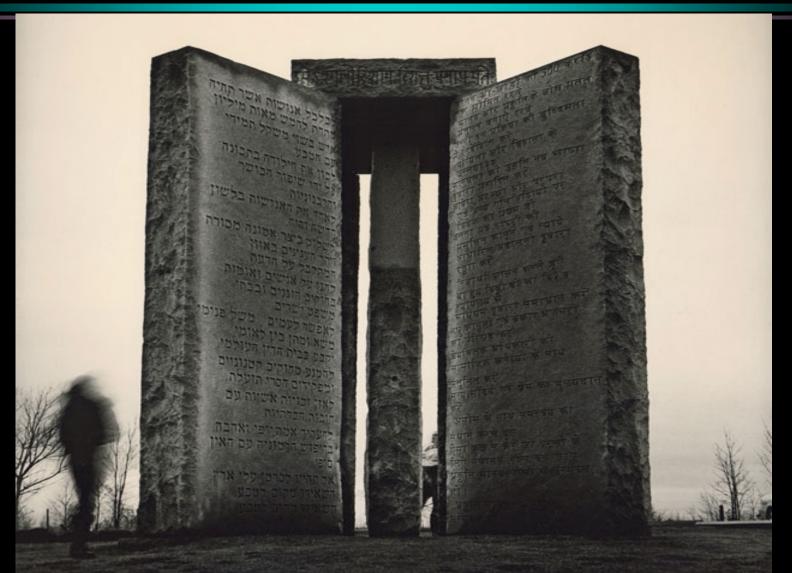


10,000 Year Clock
Mt. Washington, NV

Svalbard Global Seed Vault Longyearbyen, Norway



Instructions for the Post Apocalypse Georgia Guidstones





Translingual Information Detection, Extraction and Summarization (TIDES)

Develop advanced language processing technology to enable English speakers to find and interpret critical information in multiple languages without requiring knowledge of those languages.

Evidence Extraction and Link Discovery (EELD)

Develop detection capabilities to extract relevant data and relationships about people, organizations, and activities from message traffic and open source data.

Wargaming the Asymmetric Environment (WAE)

WAE identifies predictive indicators of attacks by examining terrorist behavior in the broader context of their political, cultural and ideological environment.

Total Information Awareness

Architectures for a large-scale counter-terrorism database. Novel methods for populating the database from existing sources, creating innovative new sources, and inventing new algorithms for mining, combining, and refining information for subsequent inclusion into the database. Revolutionary new models, algorithms, methods, tools, and techniques for analyzing and correlating information in the database to derive actionable intelligence.

Genoa & Genoa II

Information technology for the intelligence community to rapidly and systematically accumulate evidence, facilitate collaboration, and test hypothesis that support decision-making. Genoa II will develop and deploy collaborative tools to allow humans and machines to "think together."

Human ID at a Distance

Develop automated biometric identification technologies to detect, recognize and identify humans at great distances.

Bio-Surveillance

Exploit non-traditional data sources to enable early detection and warning of a bio-terrorist event.

<u>Genisys</u>

Produce technology enabling ultra-large, all-source information repositories.

"The primary goal of TIA is the assured transition of a system-level prototype that integrates technology and components developed in other DARPA programs including Genoa, Genoa-II, TIDES, Genisys, EELD, WAE, HID, and Bio-Surveillance." DARPA FY03 Budget, page 273: http://www.darpa.mil/body/pdf/FY03BudEst.pdf.

Chart text source: http://www.darpa.mi/iao/programs.htm

An Intelligence Warehouse

- Domestic agencies, including the departments of Justice, Homeland Security and Treasury, send information obtained under their surveillance programs to the National Security Agency.
- The NSA, whose charter limits it to foreign spy activites, collects and analyzes this information with sophisticated software systems, where it sifts for patterns that could be related to a terror suspect or high-risk area.
- The NSA feeds its findings into the effort the administration calls the Terrorist Surveillance Program and shares some of that information with other U.S. security agencies.







INTELLIGENCE COMMUNITY

NATIONAL RECONNAISSANCE OFFICE

Freedom's Sentinel in Space - One Team Revolutionizing Global Reconnaissance

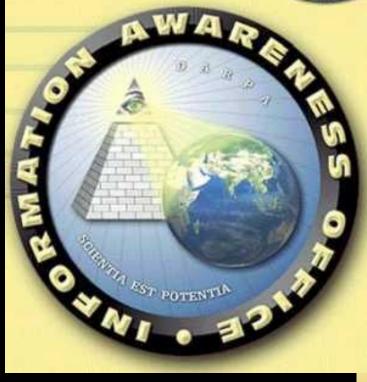




NRO - National Reconnaissance Office

Demystifying the NRO

The disclosure of a secret \$310 million headquarters building for the National Reconnaissance Office (NRO) provides a textbook example of how unnecessary secrecy blocks responsible oversight and ultimately damages the very activity which it is intended to protect. The spectacle of Congressional outrage over the 1 million square foot NRO complex in Chantilly, Virginia served two important purposes: It helped to demystify the hyperclassified NRO, and it revealed the profound limitations of Congressional oversight. At an August 8 press conference, members of the Senate Intelligence Committee disclosed the existence of the secret project, and lashed out at the intelligence community for failing to properly inform them of the size and cost of the new site.





INFORMATION AWARENESS OFFICE

Scientia Est Potentia

Home

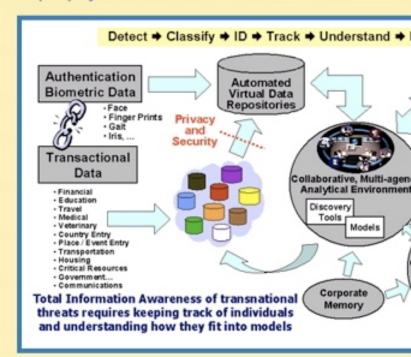
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Solicitations

eturn to Programs

otal Information Awareness (TIA) System

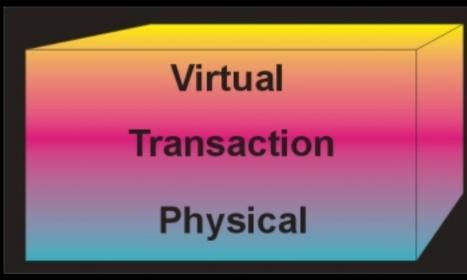


Program Objective:

The Total Information Awareness (TIA) program is a FY02 new-start program. The goal of the Total Information Awareness (TIA) prand identify foreign terrorists – and decipher their plans – and thereby enable the U.S. to take timely action to successfully preempt

Process Elements of Ubiquitous Computing Complexity Threshold Symbiosis

- Behavioral Biometrics
- Ubiquitous Existence Transacting
- Distributed Sensing / Computing
- Integrated Cognition Platforms



Knowledge domains, system objects, data repository, core applications, process management

Process domains, acceptance and verification, data flow mechanisms, transaction management

Presence domains, documentation, sense and data acquisition, portable data vessels, existence management

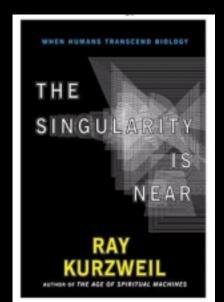
What is the "Singularity"?

In the next few years or decades, humanity will become capable of surpassing the upper limit on intelligence that has held since the rise of the human species. We will become capable of technologically creating smarter-than-human intelligence, perhaps through enhancement of the human brain, direct links between computers and the brain, or Artificial Intelligence. This event is called the "Singularity"

The

Singularity Summit

http://sss.stanford.edu http://www.singularity.org/

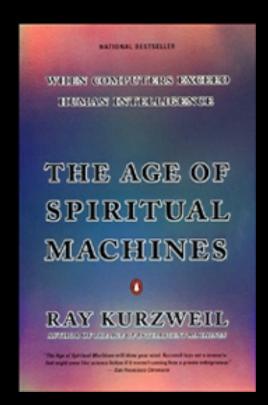


A Few Tech Capacity Growth Rates Are Almost Independent of Socioeconomic Cycles

There are many natural cycles: Plutocracy-Democracy, Boom-Bust, Conflict-Peace...

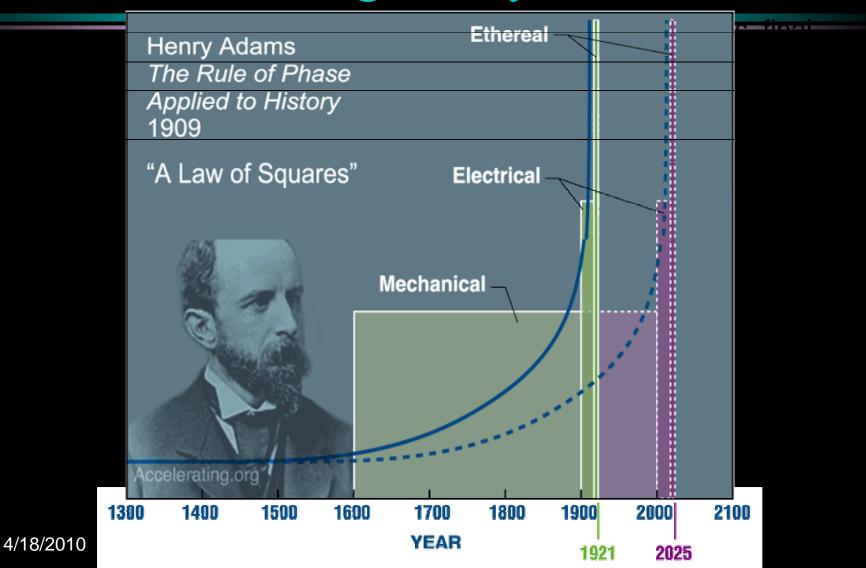
Ray Kurzweil first noted that a generalized, century-long Moore's Law was unaffected by the U.S. Great Depression of the 1930's.

Conclusion: Human-discovered, Not human-created complexity here. Not many intellectual or physical resources are required to keep us on the accelerating developmental trajectory.

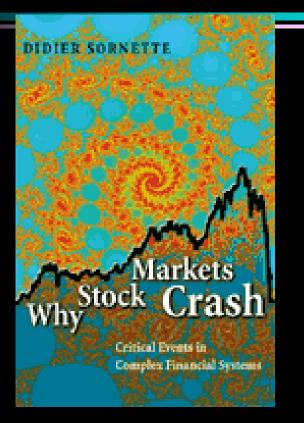


Age of Spiritual Machines, 1999

Henry Adams, 1909: Our First "Singularity Theorist"

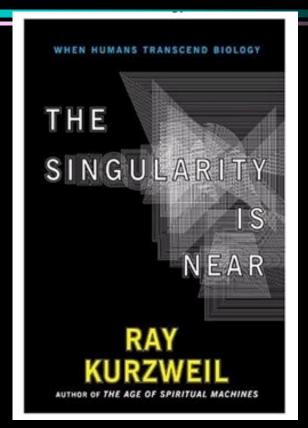


Macrohistorical Singularity Books



Why Stock Markets Crash, 2003

Singularity 2050 ±10 years



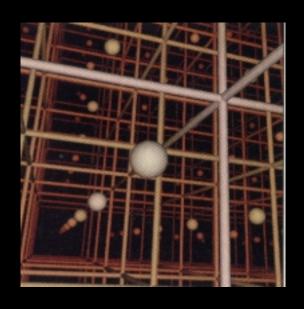
The Singularity is Near, 2005

Singularity 2045 ±20 years

4/18/2010

The next Evolutionary Increment . . . Hyperdimensional Access

• Transition from 4D spatio-temporal cognition to ndimensional quantum cognition







The Holographic Perspective

- Focused intentionality as a mechanism of influence
- All living things are systematically interconnected

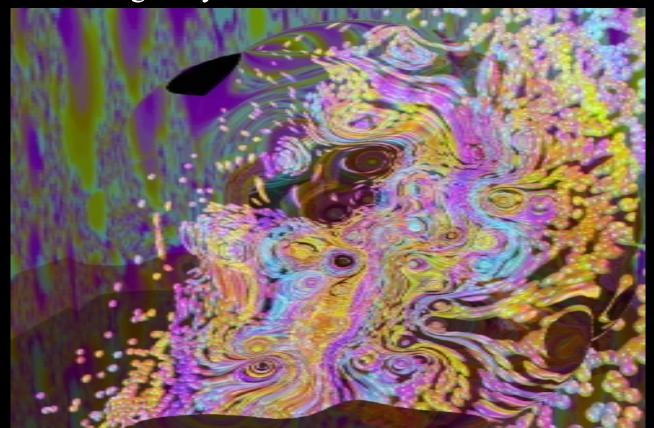
• Definition of "living things" extends to systems, processes, entities which behave biologically

"And the day came when the risk it took to remain tight in the bud was more painful than the risk it took to blossom." ~Anais Nin~



The Holographic Perspective

- All living things are systematically interconnected
- Definition of "living things" extends to systems, processes, entities which behave biologically



The Holographic Perspective

- All living things are systematically interconnected
- Definition of "living things" extends to systems, processes, entities which behave biologically
 - "Knowledge and timber shouldn't be much used till they are seasoned."
 - -- Oliver Wendell Holmes Jr.

- "Any sufficiently advanced technology is indistinguishable from magic"
- Arthur C Clarke

Evidence of Physical Manifestations of Communication within the Empathic Web



Evidence of Physical Manifestations of Communication within the Empathic Web

