

Hej Fredrik, Sophie och Loulou,

Ni har enligt mig lagt för mycket vikt vid att transkriptionen enligt er inte är korrekt skriven, men för mig är det *hur jag som transkriberar uppfattar själva talet* som är det viktiga eftersom det kan avslöja mig som person.

En annan punkt som jag tycker är intressant med essän är att man förlorar mycket information eller att informationen förändras när en extern kommer in bilden (jag som transkriberar).

Perceptionen är också till en del av hur man uppfattar talspråket och skrivspråket och hur man tolkar denna information och vilka av föreläsarens känslor man upptäcker.

Temat är ganska känsligt eftersom Medvetande och Konst är saker som är svåra att presentera utan att man hamnar i en hippiekliché. Därför tror jag att det är viktigt att ha distans till det och vara rolig, men jag kan hålla med om att man inte ska håna temat. Min okunskap i engelska språket liksom existerande fördomar om att folk som inte kan skriva korrekt är mindre intelligenta är till min nackdel i essän, men jag har bara försökt att skriva som Thomas Campbell pratar.

En del av essän var att göra en video av hela transkriptionen med mig själv som föreläsare med en dataröst som vilken video som helst man hittar på Youtube, men på grund av att det blev så mycket fokus på grammatiska fel fick jag inte chans att berätta för er om videon förrän i ett sent skede.

Videon, texten och installationen utgör en enhet och representerar olika medvetandetillstånd och icke-fysisk materias verklighet (*Nonphysical-Matter Reality*), och alla dessa bidrar till en del av informationen.

Den fysiska verkligheten är en reflexion av medvetandet, den fysiska verkligheten är information. Information spelar en fundamental roll för våra erfarenheter i vardagen: Vi lever i en fysisk verklighet som vi kan förstå en del av och med hjälp av våra sensoriska system lägger vi vår uppmärksamhet på olika aspekter av världen för att få mer information; allt vi ser, luktar, hör, tar i och smakar på formas dynamiskt av våra mentala förmågor.

Vi skulle kunna säga att Data samlas av vårt sensoriska system som formas med våra mentala förmågor till Information. Information är sannolikheter och statistik.

Den fysiska verkligheten är objektiv.

Icke-fysisk materias verklighet är medvetandet . Den är ett system som har all Data och all kunskap, men med en mycket högre grad av obestämdhet och med en annan regeluppsättning än den fysiska verkligheten. För att kunna motta dessa Data krävs vår intuition, avsikt och begäran. Intuition är ett av de grundläggande sinnena i den icke-fysiska verkligheten, som ger en inre sensorisk upplevelse och denna upplevelse projiceras i en dröm som uttrycker sig i bildspråk, ljud och känslor.

Telepati är vår kommunikationskanal i den Icke-fysiska verkligheten, som är kontrollerad av vår avsikt. Iakttagelseförmåga gör att kommunikationen breder ut sig eftersom vi inte bara kommunicerar med vårt sensoriska system utan också med våra känslor.

Begäran manifesteras i vår kreativitet, vår skapande förmåga, för att kunna röra oss och verka i systemet.

Icke-fysisk materias verklighet är subjektiv.

Människan fungerar alltså som mottagare av objektiv och subjektiv data som vi bearbetar utifrån våra kunskaper och erfarenheter till information. Interaktionen är viktig; vi delar våra data och information med andra i den fysiska och icke-fysiska materiens verklighet.

Detta är det min process närmar sig i mitt skapande och konstnärskap. Processen är inte bara en representation av perceptionen av andra verkligheter utan också ett redskap för att – med hjälp av kunskap och viljans frihet – självutveckla det kreativa medvetandet. Det är inte första gången konstnärer använder sådana verktyg till sitt skapande.

Allt som nämnts ovan beskriver mitt sätt att tänka så det kommer till tals i min essä; pappren som texten är skriven på videon och rummen i galleriet, är sammantagna mitt beslutsutrymme (*decision space*). Inom mitt beslutsutrymme kan jag i enlighet med min avsikt och med min betydande andliga kvalitet (kapacitet av glädje och kärlek) med fri vilja välja eller besluta bland en begränsad uppsättning val.

Mina val är begränsade i tiden och beroende av olika omständigheter som: erfarenhet, kunskap, ego, rädsla och tro.

Allt detta slutar i vad jag vill kalla för Naiv Verklighet eller Representativ Verklighet. Min uppfattning av verkligheten inkorporerad i mina idéer och tolkningar av verkligheten.

Masteressärbetet kan verka vara språkligt baserat, men det är alltså en missuppfattning vilket jag hoppas nu har kommit fram. Lingvistik, transkription, syntax, fonetik och semantik skulle kunna haft huvudrollen och det skulle kunna ha varit lika viktigt eller viktigare än allt annat jag här har kommenterat och det var faktiskt slarvigt av mig att inte ha tagit den delen på mer allvar, jag borde ha gjort mer research innan, jag har nu insett att transkribera är en vetenskap i sig och jag skulle inte ens klara uppgiften om jag läste språkvetenskap på universitetet i flera år.

Jag har förstått vad Sophie menar och varför Fredrik var väldigt hård med grammatiken, konflikten med språket ligger i min okunskap i engelska och hur man korrekt återger dialektala kännetecken i text.

Texten tolkades av er som en karikatyr av Campbell och jag som en person som inte kan skriva, för min persona spelar det ingen roll om man får den bilden av mig, men det är inte min avsikt att ni ska få samma bild av Campbell och därför vill jag citera Gail Jefferson, hon var mycket kunnig i sociologik med studier i interaktion, lingvistik, kommunikation och antropologi.

That is, there is agreement among researchers, professional imitators (i.e., actors) and fiction writers, that pronunciation within a dialect is consistent. But when one listens carefully to people talking, one finds a bit of variation. Sometimes the differences are mild, sometimes quite strong. Here are a series of excerpts from taperecorded conversations by speakers of 'sub-standard' English or various 'dialects'.

om ni vill läsa mer eller hela texten jag bifogar PDF filen(caricature.pdf).

Jag har svårt att förmedla mitt tänkande med ordning och struktur för att bli förstådd och detta problem har jag inte är bara i andra språk utan även på spanska, mitt modersmål.

Det är som en performativ självmotsägelse kanske, det låter som om jag motsäger allt jag har sagt innan, med mina handlingar och med vad jag säger. Det är en egenskap av mitt konstnärskap möjligtvis. Det är en del av mitt sökande efter nya paradigmer.

En till sak som jag är säker på är att mitt konstnärskap eller skapande ligger mitt emellan det visuella och icke-visuella, min rationalitet och icke-rationalitet, och att det innebär en krock som slutar i en konjunktion: ANTI OCH PRO RETINAL ART och det är kanske där jag har en förbindelse med Campbell.

MED MYCKET VÄNLIGA HÄLSNINGAR

FOR ALL MY RELATIONS

NAUN RODRIGO JUAREZ GONZALEZ

ART /CONSCIOUSNESS
SCIENTIFIC EXPLANATION AND ITS CORRELATION

Naun Rodrigo Juárez González

This thesis is presented for the degree of Master in Art
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DECLARATION

I certify that this thesis does not, to the best of my knowledge and belief:

* Incorporate without acknowledgement any material previously submitted for a degree or diploma in any institution of higher education.

** Contain any material previously published or written by another person except where due reference is made in the text; or

*** Contain any defamatory material.

Acknowledgements

FOR ALL MY RELATION

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KEY TERMS

Altermodern; Multicultural; Appropriation; Ready-made; Spirituality; Consciousness; Shamanism; Pseudoartist; Relational Art: Thief; Charlatan; New Cults; Words; Adaptation; Control; Internet; Smartphone; Interactive Games; Copy Rights; Pseudoscience;

ABSTRACT

This essay is more or less a very boring analog game in paper, which is trying to find the similitude between ART and CONSCIOUSNESS, as well as the boundaries of legality of taking over or stealing someone else's work.

The dynamic of this game of mine starts by choosing a lecture of any research and change some keywords to create a new research.

The format of this essay suggests an interaction and will need an interaction of the reader with the essay itself in order to add more concepts and could make it more personal and transform the main subject of this essay.

It does not necessarily have to be an art topic, so it is very open to any personal interest.

There are no rules of this game, you can change the subject, the actors, the author or try to change it back to the original lecture. Everything is possible; at the end the reader could acquire by signing this essay or theory.

INTRODUCTION

Digital information has been in our everyday life for more or less two decades and this has created a digital society, especially among the generation called Y or Millennial, all this is thanks in large part to the economic, social and of course the technological advances, like the Internet, computers, and more particularly the smartphones, which help us stay informed and connected at all times with our friends and the world.

This has somehow helped us to look into other societies and their realities and to be connected with them and contributes perhaps with more understanding in a spiritual (informative) way than anything, like what happened during the revolutions in Middle East and North Africa.

The flow of information is growing and it could qualify as infinite, this endlessness of digital information has facilitated the demassification of the formal media and has opened countless doors or channels to other realities as well as accessibility to different ideologies and ways of thinking, in no time, making the users of this channels part of the communication process.

As the users are taking part of the media and the information, this has become more subjective, which contribute to a numerous versions of truth. The appropriation of information is very clear; a new kind of hybrid entities are emerging individually through all the different digital information channels, like Wikipedia, YouTube, blogs, chatrooms, forums, Facebook, etc. and thanks to the effort of the users, those channels are getting more and more credibility and sometimes those entities are seen as a gurus or places where you can find the truth.

I take this information channels as tools to investigate a topic that is recurrent in my work, the subject of shamanism and syncretism between cultures as well as the search for consciousness.

The Spanish word of consciousness is CONCIENCIA, this phonetic word is built up by two words, CON and CIENCIA, this is WITH and SCIENCES, The word has different meanings in English and Spanish: In English the meaning can be Awareness, Realization, Notice, and in Spanish it can be; Perception, Knowledge, Cognition, Reason, Learning, Gnosis, Wisdom, Care, Seriousness, Delicateness, Awe.

Translation, changing words, grammatical errors, ignorance and social or cultural context will give a different meaning to a sentence and that creates some holes in the communication/information. Those holes between languages and coupled to perception, will be used as a tool to create an aesthetic discourse and achieve credibility in my work.

The credibility as an artist is always in question; Are you an artist with a discourse, or not? A traditional artist or a researcher artist? Or is it both?

By re-interpreting someone else's proposal as well as intervening in a published text by changing some words to make it more suitable to my believes, I want to generate a parallel narrative and with this double meaning try to reach the assumption if Art could be equal to Consciousness.

This is an interactive text where you can choose between art and scientific words to understand the concept of art and also the concept of consciousness and the relation that exists between them. I only changed one word in the text, Consciousness to Art; this is only one combination that you can read, you can change all the example words or even find more of them and expand the glossary in order to connect Art and Consciousness.

GLOSSARY, ART WORD-SCIENTIFIC WORD

Metaphors- Quantum Mechanics

Aesthetics - Entropy

Art- Consciousness

Artist- Physicist

Form- Physics

Creativity- Reality

Curator- Scientist

Naun Rodrigo Juárez González- Thomas Campbell

LECTURE - Introduction to Thomas Campbell

Physicist and ART researcher, Thomas Campbell, Discusses the nature of reality in terms of ART – In this video (<http://youtu.be/MxEcb7zcQhQ>) logically and scientifically Thomas make clear the normal and the paranormal; mind and matter; physics and metaphysics; philosophy and theology.

Feb 22 2008

Slide 1

Up to the podium

I welcome all of you, I see a few faces that I recognize from last night, some of you are gladness for punishment and welcome back again.

Before I get started I'd like to thank Donna Warner and Keith Warner and London College of Spirituality for making this possible, thank you.

It is a pleasure to be invited to speak to this group and I assure you what you are to hear tonight is something you have not heard before, except those how came last night.

To optimally understand what I am going to tell you tonight, I'm going to require two things of you; you need to be open-minded and you need to be skeptical, both are very important.

Open-minded because the big picture that I am going to present tonight will require to transcend all paradigms.

To leave all culture believes and personal believes, because that's the nature of breakthrough.

Skeptical because without skepticism you can't convert believes into knowledge.

Ok, Believing what I tell you don't create a fundamental knowing that is true, only experience can do that.

First in the introducing remarks.

Slide 2.

I was invited here because I wrote this book, My Big Toe trilogy unifying philosophy, physics and metaphysics, people finding that it is delivers, what covers promise and is being capturing some attention and because of the attention I ended up here tonight.

I've been studying ART, from both the inside and the outside for 35 years.

Actually more than 35 years now and when I said, from the outside I mean in a laboratory setting, with subjects. Where you ask those subjects what the experience they were having, they bend there. Their ART.

But more important from the inside I studied through my own ART.

ART is personal, ART is something that you can't get the fundamental nature of, intellectually.

Is not something that you can get in a lecture or read in a book, is something you have to experience.

I also a physicist and is so I carrying my scientific attitude and my scientific approach to my study of ART.

Unfortunately that seems to be a rare combination.

A scientist that is also seems to explore the inner space and went it was take his scientific methodology and tool with him.

Ok, I going to show you a lot of charts, they are 38 charts and I don't want to you to feel obligated to read them.

I tell you everything that you need to know.

The charts, are there for 3 reasons:

One, They are there for me so they keep me straight on what it is I going to say and the order that going to say in.

Two they are for you, because in these days particular in bigger center like this we find that our attention expands. Or attention is shorter and we learn the parallel process, all the time.

So for those, how do the parallel process. That means to do more the two things at ones, continually.

This charts will give you something to do while you listen to me.

The last reason is for the record, is important that. When the words are not longer bouncing on the walls, the record remains and other people can pick up them and read and actually made sense of it. And not only a few pretty pictures and a couple of words don't do that.

So is a lot of words in those charts, sometimes those charts will say basically, the same what I'm saying and some time they won't but look up them if you wish. But if you just listen you will get it all, is just the same.

Ok the lecture charts you will be available to get them on my website and you will be available to get them from the College Spirituality, also we are doing videos so you see. And the video will be available, it probably I will show it on the YouTube or you can get it in my website or you can get it in the College Spirituality. So that would probably be a month before that will be available. It should be available.

Then, please hold your questions till the end, is going to be a big rush for my to get through this in 90 minutes; I going to talk fast, I'm going to start slow so you can used to it to the funny way I speak English but I going to speed up as I go.

If you have troubles following me or have troubles hearing or it is some sort of issue, just raise you hand wave in to the air and I will try to slow down or announced more clearly or something to accommodate.

I won't have the ability to do anything tonight except skim over the top.

We are going to talk about some of the results and conclusions, some of the fundamental principals here but the logic and the sciences that back this up we have to leave back in the book, because it is too much, I can't get in all that. After all I did take about 850 pages and I can't do that in 90 minutes. So I can't talk that fast.

So remember you just skimming over the top here, and will be a lot of things that won't have any logic backing but there is logical backing.

There is nothing here that I going to tell you that don't have good logic or scientific backing behind it.

Ok lets get started.

Slide 3

A TOE means theory of everything. Now Einstein started the first TOE or the first scientific TOE, anyway. It was call Unified Field Theory, what he was trying to do, was to, get a one over arching understanding. One sort of

equations that combines or could arrive both generate, general relativity and quantum mechanics.

Those are the two big and still are the two big areas on sciences that define what reality is like.

But he failed, he did not successes, he worked the hole half of his carrier about 20 years. He worked on this problem and he got really closed, he got, where he knew, where the answer laid, he could tell that it had to be this way is throw that door, he got to the door way but could not opened, I could not quite get there, but I will read you some quotes from him little bit later, the ideas he had and where he got stop.

Now, Einstein had to produce a TOE that describes all objective experiences, that was what he was looking for. I will call that a little TOE and a little picture. What, he describes all objectives experiences. A big TOE has to describe all the experiences, not just objectives experiences. That means subjective experiences.

Ok, that is a big picture.

An objective experience is all about stuffs. Subjective experiences is about; the meaning and the significance, the point, the purpose. Objective experiences is about; what we do, see, touch, ear, smell.

Subjective experience is, why we do it? What is the significance it to us?

Is about who we are, the person that lives inside.

So some scientist believe, that only the little picture is real, that the subjective is not real. Other scientist believe that the subjective maybe is real but is not that important, because sciences can't deal with the subjective, it can only deal with the objective.

Ok, the opposite is true; the subjective is fundamentally more real than is the objective. For most of us, we understand that, in other words the meaning, the significance, the point, the propose of our lives, you know, who we are, the person who live inside and why we do what we do. We have an intuitive sense, of this is what really important in our lives, not the stuffs.

The stuffs, is really just a stage in the profs and what is significance in us, ends out our history.

[A clock falls to the desk.]

That reminds me to start this. Ok all right, I will try to keep this on time; I do not want to take time from the question-answer session.

Slide 4

So we are going to talk a little bit of logical sets and systems, first take a look at this chart.

This is a larger system.

This is a sub-system.

Ok now the sub-system is basically the universe and everything in it. So that is you and I and everything in the universe.

So this deals with the normal, the physical, the objective and matter, that is what this can deal with, that is what is made of, ok.

The larger system has to containing also, not just normal but paranormal, not only the physical but the non-physical, the subjective, mind and then metaphysics here, theological, all those things are part of, the larger reality, an important part.

But we have to make this assumption. Assume there is a larger reality, a little later I will make this assumption a lager reality is: ART. But many will say well that is a pretty big assumption. You should step out and assume there is a larger reality and some of you will say it pretty big lead of faith. But I will show you later, as we go along, that the lead is really, not very a big lead, is a pretty small lead and it does not take much faith to get there.

The point to make about this system and the sub-system; is that you can never describe the larger system from information that is in the sub-system.

That should be, should made senses to you.

When you are in the sub-system or you have information that is a piece of the larger system, that doesn't allow you. You do not have enough information to

describe what is going on the larger system because you do not have enough information.

If you want to know something about the larger system, the only way to do that, is experience it.

Ok, you can not do that just staying inside the sub-system you have get out of that box.

Ok. Now I have two assumptions with this, of course models and theories came with assumptions. I have just two and one of them is; ART exists, constitute a larger reality. Is that lead, that were taking about.

The second one is; the process of evolution exists and directs and encourages change to work more profitable states of being.

I am talking about very general, ah. Concept of evolution, not just; biological evolution on this planet, technology evolves, businesses evolve, cultures evolve, all source of things evolve, right.

They exists, they change based on more profitable states. Depending on what is profitable.

You have a criteria for profitability.

Biological systems criteria is survivable and procreation.

For ART system that criteria is entropy reduction, now entropy is provably a new word for some of you. Is a sciences term, ah.

I will try to get it very simple definition out of it.

There is two way to look entropy: one that there is a measure of disorder, ok measure of disorder.

The other is, that, if you have.

Well let go back in measure of disorder, if you have high entropy, that means that is more disorder, Ok.

If you have, low entropy is less disorder.

An other way to look at it; the amount of energy that is available to do work, to do something, to cause some effect.

If you have low entropy, you have more order and you have energy to do work, to have that effect.

But if you have high entropy, is more disorder and you have energy or you have a system that is incapable of making change, doing work.

An example, lets take an example of a jug of water if have a jug of water, you can do something with it, the molecules are arrange in a very compact way, that is why we have a liquid.

You can pour it over a little power wheel and convert it to electricity.

You could drink it,

You could drop it on your foot and break your toe, that won't be a good thing to do but it has energy, it could make happen.

It can change things has a bottle of water.

Pull out the cork, let the water zip and comeback in a month and it will no water, the water is gone, so it has evaporated. Now, that system, been water, been a system, has high entropy. Is disperse all trough the atmosphere, it can not do anything anymore; it can not break you toe, you can not drink it, it has no longer that energy, you can not generated electricity from it.

It has not longer the ability to do work, because it has too much disorder in it, and that is the fundamental the concept of entropy.

Ok, now. A theory is valuable and only valuable if it is made by four criteria, ok.

All the theories have assumptions.

You do not judge a theory base on what you thing on his assumptions.

That fold on the heading of close-minded, you judged a theory base on what that theory, is able to do.

One, it has to have the fewest possible assumptions. If your theory has to have a lot assumptions to prop it up or explain it. Then is probable not true, certainly is not fundamentally true.

Secondly, it has to dry all the old dancers. You have to take that theory and dry everything that you know to be true already.

Thirdly, it has to dry new answers, have predictions of new things and lastly, those answers have to be showed to be correct experimentally, ok.

If you have a theory or model that does that, then you can say that you model or your assumption are accurately model reality.

Ok again, the thought with this slide is; can not define the system in terms of the sub-system, to define the system you have to experience it, simple idea but many people miss that.

Slide 5

Ok, now actually I put ART in that block.

We can you jump in to the right away in the bottom of the bottom lines and then we go back a little bit after that.

Again, we see ART has a system, we see our universe has a sub-system.

Except now, instead of that big thing, is this, this little white spot here, and I did that on purpose because in reality if I try to make the size of this chart relative to, or accurate in terms of size of information or content. Then, I am afraid our whole physical universe will be less than a pixel and it will not show up in that chart.

The point I am making is that or physical universe with in the whole ART reality. Is a very, very tinny a very small thing, there is much more information and content in a lager reality, that is just in our universe.

Ok now, keep those four things in mind that I said that makes a theory, a good one.

MBT that is short of My Big Toe, again, this is the bottom of the bottoms lines. MBT. Physical reality model, it betters explains the objective data, it better explains physics. Ok, it dries quantum mechanics in senses that tells you. Why the quantum mechanics have to be the way it is. Why in the lowest levels of a particle you end up with a no particle, but a probability distribution.

It said, is what you have to end with, that make sense.

It answers the mysteries of physics, like entangle with wave particle duality. Those kinds of things came out has a natural consequences of this theory and also, MBT explains the non physical, the origin, existence, purpose, mechanics of the non physical, paranormal, mind, ART, metaphysics, philosophy and even theology.

I know that sound strange but that is the way it is.

Now, the physical reality his best model, has a virtual digital reality. So is does model in my big toe and ART is does model has a digital information system. We can do physics first and then we will do metaphysics.

Slide 6

Physics, the main... philo-physics that is probing at fundamental of reality right now is quantum mechanics.

Quantum mechanics basically seem particles as probability distributions, it seems the fundamental existence is a probability distribution.

You probably have hear of double slit experiment, is kind off a famous thing in physics but some of you probably are not a physicist. I run over it anyway.

In the double slit experiment, you have a board; it has two slits in it and then is a screen behind it. You throw a photon at that board and if, well and what you get on that screen behind it is a wave pattern.

Wave pattern is a series of light, that is a little bright light in the center and then a side of the center is dark and then you get a bright spot, then dark, bright spot, dark and bright spot, that is a wave pattern, you get a wave pattern because this photon, well is not a particle but is a probability distribution.

It only has a probability of existence in any particular place, because all of that. It has a certain among of probability that is going throw the slit or going to that slit.

Well it goes through both because has a probability to go trough one or the other, I mean both. It goes through both.

It interfered with it self in the other side and you get a wave distribution on the screen behind you.

Well, physicist saw that and they were much like confuse by it, so they did it an experiment. So let see what it going on that slit, so they measured, they put a device in there, a sensor let say. It can tell you in with slit the photon went trough or did actually went trough both, went they did that, the photon only went trough one slit, it did no make a wave pattern, it made a little spot light behind that slit. Or went to the other slit and made a little light spot

behind it, but no wave patterns, so they thought. Wow it changes the results of the experiment if we look; looking is the same as measurement, ok.

Then they said, lets not look, lets leave the equipment, maybe is the equipment that is doing it, so you leave the sensor where they are but you just turn off the power of what is recording the data.

So now the sensors still in place but they are not recording anything.

What do you think happens? Went throw both slit and create a wave pattern, on the other side.

Ok that is the double-slit experiment.

Well, that created a thing called Wave Particle Duality; it is a photon a particle or is a wave? And the answer to that well is both.

Well sometimes is a wave and sometimes is a particle, is a wave if you do not look and is a particle if you do. And of course the physicists were saying, what the looking have to do with it, this is a big problem.

You know quantum mechanics is really a kind off a turn the physic on his head and that is call the measurement problem, ok, and out of that comes tangle pars and other phenomena that are mysteries to physicist.

Ok, they are many interpretations of why it does this and what it means, a lot of physicists are been trying this.

This is started in the late twenty's and the thirties and all of this was a big deal and the physicists were working very hard on this, still a big deal and they are working real hard on it. They have not, really made any progress since the twenties and thirties, a very little, real progress.

All of the theories, of what is this mean? What it said about reality, ah, non of they have made it in to the center of physics, they all on the fringe.

I just talk about couple of them.

One of them is the Copenhagen interpretation.

Basically what it said is, if you have a probability of being in states went you measured you just get a random value, one of those states randomly you get that and measured that value.

Ok, then one says ART cause collapse and that comes from the idea. That you have to be aware, you have to measured some ART, take the measurement and what that causes in to collapse of measure value.

Went I say is a collapse is a way of function, they talk about way of function, but is truly a probability wave what we are talking about.

Causes collapse to certain value.

An other one is call consistency histories and that says, well is not random state, that is collapses to, is a state base on what happens before, What his history was?

And there is one of many worlds and I have to mention David Deutsch at the Oxford, is one of the countermen, is one of the four most ah, researchers in the many worlds area, actually has publish really good works just recently on this and made some progress.

The many worlds say that, all right you have endless states. That could be, I mean is probability function. In quantum mechanics you do not necessarily have a smird continually probability, only probability in certain states can exist, so certain states ...everything can happen does happen. Except, the one it happens in this reality. Is where we live. The ones that happens in other parallels realities, we do not know about it, but there is separate parallel reality for every state, of course there is millions of states, every electron has multiple states, you know is a lot of electrons.

There is a problem here, as well; the problem of course has to do with the Copenhagen; is, it if is a random choice, then that create two problems, one is all of this reality that we see before is base on random choices, that does not computes, also if you do the same experiment twice you do not get the same answer, you know physicist do not like that either, so both of those are problems, so has I said non of this theories are problem free.

There was another one call many minds; it was a sort of a combination of ART-causes-collapse in many worlds and basically it said at many worlds were not physicals but they were mental, ok.

Slide 7

Now, I did not expect to you to read this, I can't even read this either and I closer than you are, what this said is at they are interpretations of what, ah, quantum mechanics means, down here I have 13 of them of couple of dozens, there is another 13 that did make it to this chart. You know there is a lot of them, is no that there is only thirteen, is kind of top thirteen and cross here are different measures of, of qualities or different measures of quantum mechanics invent, if there is a roll for the observer, does it have a collapsing way of function, hidden variables, those are all physics terms that physicist work with and what I want you to see is the patch work, there is a little bit of this a little bit of that and yes and no are all over, in other words there is nobody has an idea, is just a big mystery, next.

Slide 8

All right there are another's big pictures, besides that one.

Edward Fredkin create the digital physics in 1982 and publish two papers, the first one Finite Nature the second was a New Cosmogony and Edward Fredkin is really a pretty high power physicist, is a physicist in the MIT, it went to the university of Boston, know is Carnegie in Mellon, is kind of specialized in the digital side of, ah, information theory and physics and his conclusions were; that reality is a computable simulation, that we are in a computable simulation, he presented this paper in the scientific form and it was not received very well, probably he did not get a long applause, he kind of start with a lot of people but he was a very brave man for doing that and he had solid physics to back him up, that is why he stepped up and did it.

Essentially he said our reality is digital, time is digital, space is digital essentially is informational. Our reality is just information.

He also said that because the system can not complete himself, it must be computed in his words "OTHER", it was computed in other, he did not want to go there, we it was computed, he knew that could not be computed in this reality frame, he said it came from a reality frame that is outside from our physical reality.

Well. How we define non-physical reality? non physical reality is basically, OTHER is it not, we have a physical matter reality, that is our universe, that is

us, that is everything in the universe and then is everything else and that is non physical reality, so everything that is not physical in that concept is non physical.

So if this isn't other with in that definition, he is basically saying the is computed in the nonphysical even if you say in some other physical reality is nonphysical that is cheating, is the nonphysical it is what he was talking about.

Now, next came Nick Bostrom, he had a PHD from this very institution from London School of economics, his now in Oxford was in Princeton I believe and he is another physicist, he is a physicist and a philosopher has degrees in both, he wrote a paper; Are you living in a computer simulation? And he just went trough it logically and he found, that it was impossible to say, that it was impossible. Then he found out that it was unlikely to say, it was unlikely. That let him with the conclusion that certainly almost all of us are living in a simulation.

He said is very likely, I mean in his mind the simulation is done from some other physical thing that is outside from what is physical. So he would not say that is nonphysical, but that's where it lands, it's beyond, it's some other physical place besides ours, which is what a physicist says is non physical without using that word, so that was, his conclusion.

Then Brian Whitworth, I've included him because he was the last one to publish a paper on this.

This is a current thing going on, his paper was called The Physical world as a Virtual Reality.

He did not worry about what other was or even why our reality might be digital, he just looked at it and said well let's just assume that it is digital, how does that theory work? How does it do with our physics?

You know these four things that I told you that make a theory a good theory, does it answer everything we know, does it have new perditions, make it a better theory then one we have. His conclusions and his paper was Yes, it is a better theory, and he made it very clear.

It was a pretty complete paper and again presented in a physics environment, published in a physics journal, so not very many people have heard anything that Fredkin or Bostrom or Whitworth has written or said, it's on the Internet probably 100 of one percents of the population of this planet will ever read anything that is published in a physics journal.

So that is why I ended over the last guy, Jim Elbish, he is now writing a book for everybody, you know he is taking this idea of a digital reality, simulated reality and is pop and raise, his book is just out, I haven't read it, I just kind of look over it a little bit, looked the web site and he is clearly making a case that the scientist already made and his bringing and putting into a common language for everybody.

Slide 9

Ok, all right now we are going to the really big guns.

Albert, Einstein of course.

I'm gonna read a few quotes from Albert Einstein, these are quotes of the end of his career when he was working with his unification theory for about twenty years. At this point he came with very solid conclusions about where the answer is laid but he just could not get there; one of his conclusions was that a, you know. Space does not have an independent existence, that is pretty profound, space is not having an independent existence, he said. Reality is merely an illusion, albeit a very persistent one. He said, hence it is clear that the space of physics is not, in the last analysis, anything given in nature or independent of human thought. It is a function of our conceptual scheme (space is a function of mind).

Space is conceived by Newton proved to be an illusion, and this is not some crazy physicist from Huntsville, Alabama with hunches, this is Albert Einstein, probably the best scientific mind that has ever collected human genes insurance pools ever created, so you have to give this guy some respect when he spent twenty year studying this and this is his conclusions.

Ok now, David Bohm he was a physicist that studied and worked with Einstein, he and Einstein were collaborators on this theory.

David Bohm wrote; to meet the challenge before us our notions of cosmology and the general nature of reality must have room in them to permit a consistent account of ART. Ok, physics need a consistent account of ART. Vice versa, our notions of ART must have room in them to understand, what it means for its content, the content of ART to be reality as a whole.

OK, the two sets of notions together should then be such as to allow for an understanding as to how ART and reality are related.

Ok now, here is one from Einstein written back a letter to Davis Bohm it said, One has to find a possibility to avoid the continuum (together with space and time), altogether. But I have not the slightest idea what kind of elementary concepts could be used in such a theory.

And the very last I would quote is Eugene P. Wigner. He's a Nobel price winner; was also one of physicists that was in the four front of the quantum mechanics back in the twenties and thirties. It will remain remarkable, in what ever way our future concepts may be developed, that the very study of the external world, he was talking about quantum mechanics here. Led to the scientific conclusion that the content of the ART is the ultimate universal reality.

OK, remember our assumption, that there is a larger system and that system is ART, well it does not sound that maybe is that the great lead from some of the best thinkers and best scientists that we know of, the conclusions that they came to and maybe the lead is not as wild as lead is at you might thought of at the beginning, those guys were two of the best, Bohm and Einstein.

They were looking for a larger system for the unified field theory, but they did not understand digital, digital scientists back in the twenties and thirties was inexistent or barely becoming existent at that point, so Einstein said, he had to avoid the continuum, he could not conceive digital, digital simulation, this was not in his world view, so he could not do that.

They did not imagine that ART, the new ART was part of the answer; they knew it had to be but they did not knew that ART was the computer.

ART by his nature is digital, they did not understand the nature of ART because to understand ART I said when we started to experience, you can not understand it intellectually, ART is not an objective system is a subjective system inside each of you.

Our ART, your ART is subjective is your own, not an objective thing if you understand ART trying to understand it objectively, is being inside that little subsystem trying to understand the big system, it can not be done is illogical, you have to get out outside of that box, so you can not understand the larger system.

Ok because of my... many years of research in ART and explorations in ART and because I am familiar with physical and digital sciences, I was able to go where they were stopped, I know what you are probably thinking after I said that if I were sitting out there and were you this is what I'd be thinking.

Slide 10

So if you really have figured it all out, why have we not seen your name in lights? It's a good question, it's a very good question, well there's a couple of reasons, I think they are good reasons, you get to make your own decisions about that; one is all very new, you know this is news almost before it happens, this is very new concepts, there are a few physicists probably a couple of dozens, but it's not a lot of physicists, there is not a lot of people in any source that hear this news because all is very, very new, so you are right with the cutting edge there. Also reality concepts are very low growers because they require major fundamental paradigm shift. Not just one but several to get here and those things do not happen quickly.

You know quantum mechanics has been around since, like I said twenties and thirties these things have been argued and still no conclusions.

Fredkin since '92, twenty years, more than twenty years, twenty five years, he made statement scientists shows what he said physics back him up very clearly and not a whole has happened, it's slowly growing, now there's a movement that is called digital physics and there're digital physicists probably in every country on the planet, it does spread but spread very, very slowly, so

twenty years later, twenty five years later it's just creeping along little bit at the time because it lights outside in the main stream.

Secondly, I am not an academic physicist, I work in the real world and what I mean by that, I do apply physics. Ok, I do not do theoretical physics for living but applying physics, now outsiders have little credibility from insiders and that is truth no matter which organization you are in, it just a fact of life.

Also I appear to have done the impossible, well, let me rephrase. I appear to be claiming to have done, the impossible.

What that means is when you mix traditional sciences, just the objective with a science that takes in philosophy, metaphysics, the subjective and then you say the horrible word in science circles, paranormal and things like that, well you've lost most of your audience immediately, it's a turn off. That does not mean anything and they do not go forward.

So that is a big problem, but is not impossible, you can, you can scientifically and when I say describe the nonphysical I do not mean to describe it in poetry or describe it in many words, I mean describe it logically and scientifically, it's a logical process.

Ok, so why I am here rather than writing a sciences paper for scientists, that is because if I were doing a little toe, than I would not be here, I've being signing sciences papers and delivering to scientists, you know, forms.

But this is not a little toe, this is a big toe, this has to be with the subjective and ART, it has to be with meaning, propose, all this things are very important to everybody.

They are not just important to physicists, they are very important to everyone, so I decide that I kind of start by writing books, that were at the level of everyone, you do not need any kind of preferences at all to read these books, they are just written to the common person and I started there and I figure that the scientists will come along by, by because the truth is not fragile, it is not fragile it can take what ever.

When Darwin produced the theory of evolution, he was caricatured as a monkey and you know the people found it ridiculous. When Einstein got up and talked about special relativity, they thought he was ridiculous, he was

laughable at as well, they said that is silly, that could not possible be that way, it does not make any senses, well you now ten years later, Einstein got the last laugh because the experiments confirmed his theory.

In any case that is just the way it is, is a slow going thing and rather then have this all tied up in a physic form for the next twenty years, is too important to do that, so here I am.

Ok, next question.

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How a nice physics like me ended up given a lecture like this? Obviously you have to have walked a little bit on the strange side on the wild side to get here, this is what happens to me; I just get out of graduate school and get my graduate degrees in physics and did my thesis on a Experimental Nuclear Physics, never did work in that in the academics environment, I went right in to the real world for a job but three weeks in my first job my boss throw a book at me and said Tom read this and when your boss says read this, you read it right away, so I did it and the name of the book was Journey Out of the Body by Robert Monroe.

Strange thing to throw at me but I read, about a month my boss came back and he said, well what did you think? And I was a little worried about the answer, thought maybe this is a test, I only been in that place for three weeks but it was not, he read it, he was very curious, I was a physicist, he wanted to know what my take was and I told him honestly what I thought about it and said well this guy Monroe is just making all this up to sell a book, he has a very good imagination it was a very interesting read but how do you know if on the other hand he really did experience these things, he really did this research, he did the experiments that he said he did and collect this data and is real and that is a capital, double capital, low capital double exclamation marks.

That is exciting because that is in another whole part of reality that we do not know about it, look I am a physicist what I do is model reality, that is what physicists do, we are interested in reality and how this works and there is another whole piece of it that we do not know about, this is a pretty exciting

idea, if it's true, so my thought was mm, how you ever know? You know, you do not know what this guy is making up or not.

Well it turns out that two, three months later the boss comes in and said, hey we have located Bob Monroe, he does not live far away, we all going there to see him, will you like to join us, they could not have kept me away from that trip for anything, of course I went and it turned out, that at that time Bob was just finishing building a lab, he wanted to study ART.

The only reason that he wanted to study ART it was because he wanted to be respectable again, he wanted to have this turn out to be sciences, this just happen to him, he did not ask for it, he did not try to do it, probably some of you are been trying to do this for a while and you have not had success but he was trying no to do it, scare him to death, he thought he was get in insane.

He could not do it, it just happen, so he work with it, he experimented with it and then he realized, hey this is real because he can get some information that he has no access to it to otherwise check on it and sure enough that was right, he did a lot of this experiments till he realized that he wasn't insane, he was doing something that was way out the bitten track but it was real.

He was looking for scientists at that time to manage his lab, actually to create it, all he had was an empty building, so, my self and my friend Denis.

We shoot our hands up and said yes, we will be your scientists, we build your equipment, we will do your protocols, we make sure that the results are credible and we won't charge a penny for all that.

What we want is to you to teach us to do what you do, because we did not think that we could really understand it from the outside, so we thought we have to experienced, so that we knew what was is going on.

So it was not anybody slipping anything tricky on us, there wasn't any on going on, if we are doing for ourselves, we will believe it ourselves, it is that source of things that you have be personal involve.

So Bob took up us on it for the next five years or so, we spent 20 to 30 hour a week with Bob Monroe, about the third of that time we were building equipment, setting up his lab, coming up with protocols, working to generated

the tools that he will need, the other two third of it Bob was teaching us, what he knew.

Ok, after we master the out of body experiences and we were doing all those things, doing experiments, of course every experiment had to have some evidential thing, I was not point to do something that you could not go back and prove what you have done and actually did happen.

You must collect evidences as you go, if you do not collect evidence as you go, you will never know what you are doing, you will never know what you are experiences is real or you just have a very good imagination and you are making it up, so you have to do sciences.

Now the question maybe comeback, can you do sciences in the subjective or sciences only limited in the objective, well almost all scientists will say well is only limited to de objective but that is because they are not thinking very broadly, we do sciences in the subjective room all the time, generally we do statistics, an example I can give you is you have a headache and you take a pill, your headache goes away, well did the pill take the headache away or did the headache just go away anyway and the pill is irrelevant, well is impossible to do that as an objective experiences because you can not take the pill and take the pill at the same time, is impossible. It can be done objectively well how you solve the problem.

Well you solve the problem giving a 100 people or 1000 people with a headache the pill now you can find if the pill works or not, because all the 1000 are not just happen go away after they took the pill and you know that all is only circumstances, you get that kind off results and you know if the pill is working. Well that is how the pharmaceuticals find out if the drugs are working or not. Is the only way they can du that.

That is the only way that most medicines works, that's the almost all the physiology work, went they do their research, they do it by in fronting statistics, is not deductive logic is inductive logic and come up with scientific results.

You have to do this the same way.

You can't just try to heal someone with your mind, and then they get better and you said so I could heal people with my mind, maybe you can or maybe you can't.

You need to heal a 1000 people and you need to keep statistics on how many of them get better when you do that, how many get better right afterward.

You might have to do 2000 people if you are not sure, you do it until you collect enough data, that you can say that you are having an effect and your effect is real. Actually what you are saying is your effect is likely, your effect is provable you can say.

Statistics get to express in terms of provability, you say the fact is that this person now get well after I healed him has a, you know. There is a one chance in a thousand that it will happen randomly, you can say does kind of things, when you do statistically, you never get to the point that you can say yes because is not objective, you can not tell but you can say I do this a lot and I always get results, you can get statistics.

You have to do statistics.

Well when, you learn something like this you do not walk away from it, it goes on and like anything the more you know the easier is to know more, so it accelerates, learn and accelerate.

I am a physicist so I continually work for the next thirty some year to find out how this thing work, doing experiments in that larger reality, basically to find out what the physics was in that larger reality, that larger reality ART has rules, it has his own causality and you have to do experiments and find out what it is, so that's why I been doing this for the last thirty years and at the all I did this publication My Big Toe.

I have to tell you, it had to be an inside job because of this conclusions, you could never figure this out objectively from the outside, that is why Einstein was stuck, he could not do it from the outside, ART is a subjective thing.

You can't study it, intellectually and understand it, you have to experience it.

Slide 12

Ok, so reality, system of ART.

ART is the media of reality, ok information, is the content of reality.

I will say this rules slow, because they are big ideas.

Entropy is the evolutionary motivator of ART,

Fundamental reality is a model as a system of digital ART.

So think about it for a minute that sounds really weird to those how has been working with ART, you know, simulation digital ART, you know what is it? Is this scientist has going mad, right.

It make sense, think in what ART is, experience. Right, this is the first component of ART, is four thing that make ART; one is experiences, But what is experiences?

Experiences, experiences is what we having in this room, right, you look at my, I looking at you and we see light that comes trough or eyes, through the lens, to the retina in to the optic nerve but what is that light? Is just data when it get to the optic nerve, what is it?

Is electrical pulses, is neurons. Is patterns of neurons, it just data, ok.

Memory, well memory, that is, that's just like data storage, you get data and you storage, it someplace that is data storage.

Processing, so you have your memory otherwise every experience will be the first. So you know memory is very important for ART.

Processing is important for ART because processing looks at the data and finds patterns and finds patterns in the experiences, that way you can make sense of the experiences.

The last thing you have to have to define ART, it have to be a self-modifying feedback loop, in other words you have to be able to learn, so you stick your finger in the fire and it hurts and you pull it back out, right, you put your finger In the fire and you get data, right that data was little electrical pulses, running up the nerves in to the brain, that data get store, in there someplace in your memory, ok you process that and you say uh bad thing to do, you look to that, you came to that conclusion, it was not healthy, than you have this self – modifying feedback that said do not do it again and changes you way to act, you don't do that again you modify your experience.

You don't do the same thing over.

All above attributes are all about information, ok, so you think about information is data, your ART, you just have data coming in to your ART.

Ok, think about it this way if we can get somehow, some magical way, if I can stimulate your optical nerve exactly in the same way is stimulate now, my standing here talking to you, if I can stimulate it somehow put you in to a dark hole, right and seal it up, but stimulate that optic nerve exactly the way is been stimulated now, what would you see?

You would see exactly what you are seeing now, and can you tell if that was different, can you tell that you were no in a big black hole, no because, what ever is in that optical nerve goes to that brain and is interpreted, in what you are seeing. So if I could reproduces those signals if I could reproduces that data I will reproduces your experience, is no way to tell the differences.

So, your experience is just data, coming in to your ART, that it.

Slide 13

Ok next, at the root we got information, this one that it will surprise you. Information is nonphysical. That seems weird.

We are surrounded by information, we all have information overload, we live in an information age, but information is nonphysical.

Information is the meaning, the content, the significance, not the media or the code symbols if you look up a book; the paper is the media, all the little words and marks inside the book are the code-symbols, that is not information.

That is coded, you know the information is in a code and put in the media. Information is what those code-symbols means, what is the content? What is the significant of it? That is the information that you get from the book, what you get from the book is not a little scribble and paper; is meaning; is content.

Information is nonphysical, is meaning, is content, and significance and you need a ART to get information, because ART is where meaning, content and significance comes from.

Ok, you can take a machine, you can take a camera and look at that book and that page it does the camera get the meaning the content, the significance. No.

Do this see the type, does it see the paper, sure but is not conscious, there is no meaning, so what we get from that is ART is information, is what that means.

Information require low entropy, organization of code-symbols, you can not put the alphabet and put them random display of letters out there and you do not get information, to get information they have to be organize, if you remember organize is low entropy.

All right, at the most fundamental level ART is information.

Information is nonphysical then ART is nonphysical. At the most fundamental level information is bits, at the most fundamental level bits are digital and binary, a one and a zero, an on and off a yes or no, up or down, whatever.

What is the logical consequent of this statement, an ART system is best model at the most fundamental model by a digital information system, weird? Yes, but it fits the data.

ART evolve by lowing his entropy, by improving the value the useful information content of his bits, so here is ART, you put your hand in that fire, right and you pull it out, so not only, you learn from that experience, when you learn from that experience now you know better, but what have you done, you just increases the information content of your ART, you learn something.

You knew not to do that anymore, you arrange the bits of you disposal in to you configuration that is a little more useful to you then before, before you did know no stick your finger in that fire, now you do, so you rearrange your information of bits into a configuration that is more powerful to you, more helpful, ok more useful.

Slide 14

All right here is the summary about where we are so far because those are difficult concepts to get you arm to arm.

The larger ART system evolves by lowing your entropy of the system.

It lowers the entropy of the system by organizing the bits at its disposal into a more profitable configuration.

New bits and organizational opportunities are generated by using ART intent to apply free will choice to incoming experience data.

Ok, and the feedback of the results of previous choice allow us to modify, so is a little bit a new, new material in there generated, so you had to have experience, is all based on experience and in that experiences you had to have free will, if you do not have free will you can not learn, you are just following a script.

That is not learning in order to learn you have to stick your finger in that fire then you learn something and if you do not have free will if you stick your finger in that fire is irrelevant because your following a pattern it don't matter, you are not learning anything, is impossible to learn or to grow if you don't have free will.

Slide 15

Ok, we have done some physics now we do some metaphysics; we are going to talk about experience in the roll of experiences has.

The experience is the generator of the input, for ART right.

Ok, think about one big ART, where is going to get his experiences, it has just interact with it self, that could get boring and also will be slow, it also will be very limited.

Ok, so what is it do? It create smaller units of ART that it constraint, they do not have all the data, all the knowledge, all the bits, it just have some of the bits and there constraint and then create a lot of them and let them interact.

Now, has they are interacting if you have a 1000 interacting with free will, now you have just multiply the among of experience by 1000 instead one interacting with itself, you have 1000 things interacting with each other.

The possibilities go way up, you see because we have a lot of different things going, you all the possible interaction, the possible ways to learn, they are more greater then one thing by himself.

Ok, how are those little things? That are interacting with each other, they are you and me, they beings that are conscious.

Ok, what are they doing? They are lowering their entropy by interacting and this concept, we are taking little bit further in the new couple of slides, but in this concept then tells you what the positive direction of evolution is for ART. Is lowering entropy, right and just from that, we can determine logically what is positive and negative, you know good vs evil and morality, spiritual grow and love they are all define as measurable quantities in terms of entropy.

Strange idea, love can be defined as a measurable, quantity of entropy. It can be done.

Slide 16

Ok physical reality, what is physical reality? Experience requires interaction. Ok, ART requires experiences, experiences require interaction, to make interaction more effective and simpler, we need a very constrained environment.

If you don't have a constrained environment and everything is possible and is very hard to learn, learning is not impossible but is very difficult.

Think of it, we all are ART.

Ok and we are getting information, we are getting data streams from other ART, do we know if they were telling the truth, they are lying to us or making that up, do we know what they are saying or not saying, do we know if whether us in our imagination or if whether coming from the outside.

How can we tell? Is just information we generated information in our own mind, is just thinking or imagination.

Ok, you can't tell, is to many variable solutions. You need to constrain it.

Ok, you constrain it by creating a local virtual reality, which it says; all right, we are still going to trade data but we are going to trade data in this rule set. You only trade data according to this rules.

Well in this reality, What is the rule set that we can trade data? Is call physics, you know $E=mc^2$ is part of the rule set, is just our physics.

There are a few other things that physicists have not got it yet but you know maybe some other thing that they would not be calling for physics but mostly physics is the rule set.

So here they are all those data streams but they have to take place according to the rule-set physics. You know you drop things, they have to fall, they do not go up. These are the rules.

Now, thing in the virtual reality games that maybe you are playing, maybe your kids are play, you know things like Ever Quest or War of World Crafts. They are bunches of them around and they have a 1000 players and all playing at the same time and where is the rule set, the rule set is in the computer. That sort of things that it has to happen in sort of way, sort of things that you can do.

You know, sort of way that you have to interact with other peoples but this people are interacting with each other and they are interacting with the set, with the program, according to the rule set.

And notice when they do that, they experiences, what they see is calculated just as they need it.

So, as you walk around in this games and you see trees bringing up in the background because until they were there the computer did not need to put a tree in the back, because they were not there, the computer do not just make trees because enjoy do it them, that will waste computer cycles.

It make trees because some character were there interacting in that part of the set and it need to put up the trees because the trees are part of whatever is going on in there or the orks or you know the monsters or whatever there is in your game. They appear, as they need to appear.

Well in the same way work in this, reality and that get us back to.

You know, quantum mechanics. Went they make that measurement something has to appear because that is where they are making the measurements.

So something comes in a physical being, that wave function collapses to some physical measurements because someone is making a physical measurement, if there is no one making a physical measurement, then, you know, the particle just exist as probability.

Is just a probability distribution and stays that way, because that is his natural state. Somebody comes and looks and says; what, slit go this thing in trough? Wave function collapse and went trough this one.

You know nobody is looking goes trough both at the same time because is just a probability. So that kind of give you an idea of where is that coming from.

Ok, physical reality then is digitally based virtual reality, with interactions that constrained according to the given rule set.

Now, the next thing we get to, the last bullet here, it said the next level of relativity.

You know relativity get started by Einstein went he find, went he discovered that, there was not fundamental inertial frame, that is where the word relativity comes from. There was not a fundamental inertial frame and if you are looking at time and distances and of course distances per unit time as velocity.

If do you have time and velocity is ah, relative, so it get the name relativity, it's depends on the observer, it depends on you frame references and all frame references are equal, is just relative.

Well we step up to the next level of relativity and we can say there is no absolute fundamental reality frame.

Ok we are in the larger system, this physical universe is not the fundamental reality frame, sorry to tell you that, but it is NOT.

This physical universe is a tiny inspect in that larger reality frame, there is a lot of reality frames, out there and they are very similar to this to this physical universe.

There is a lot physical universes if you want to put it away but of course, they are all nonphysical because they are outside of this one.

Ok, I said that not because theory but I said that because I been there, that is where the ART experiences comes in.

I been in maybe 20 maybe 30 different physical matter realities that are different, they physics are different, they do not have the same rule set that we have; some of them have similar rules sets some of them different rules

sets but you can go to those realities frames and they are just like physical as this one. And when you are in them, this is not physical at all. Until you come back here.

Think of the ART, data streams coming in, ok here it is the data stream that is our reality and you just get that one, well you just switch over and get in other data stream and you are in an other reality frame.

Ok, there is not a fundamental reality frame.

Now, they are actually 1000 of this reality frames, many of them. They are all virtual realities.

What we call nonphysical reality, you know, people die, ART continues, they are going to this nonphysical frame, they drop the body in the physical frame. Well, all of that it happens again, you know.

Well you can see that, you can go in to the nonphysical frame and watch that person die, you can watch the ART make the transition, you can interact with it, you can hold to it, you can watch it, you can do this many, many times, until you get enough data, that you can see what is real and what is not real.

Anyway, there is a lot of reality frames, but this reality frame where is near or interact with the earth frame. That is what most people think of this as the nonphysical; there is where dead people are, that is the nonphysical, they are in the spiritual round, well is that also a virtual reality, that is not the fundamental reality either that is an other virtual reality.

Virtual realities come in all kinds; they are coming very constrained and they kind of look like, physical model realities. They are coming unconstrained; you know that is like fundamental ART. They coming in everything in between wish it is, you know like the spiritual reality, something in between. They all are virtual realities; they all are digital virtual realities. Now the only thing that is fundamental is ART itself.

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Ok, origins, where are all comes from?

Ok, when you try to describe what something coming from, you get in this endless regression, that says, it came from here, but where that came from, well that came from here, but where that come from, of course this goes on to

the infinity, there is infinitely number of those and you can not go to the end of that, because our knowledge is limited.

There are certain limits to our knowledge; there are sorted limits to our knowledge. We can't know everything.

There are some scientist that get upset with that thought but we can't know everything and I give you a pretty obvious example:

Think about, a bacteria, living inside your stomach.

Ok, a very, very smart bacteria living inside your stomach with an IQ of 200, brilliant bacteria. Well, What, is that bacteria think about food? Matter from heaven, right. Food just comes. It is what bacteria they decompose food, that their thing, so they need food.

What do you think, they understand about clouds? Fields? Farmers and horses and cows and trucks and busses? Refrigerators? And supermarkets? And sunshine? And rain? and all sort of things.

What you do think, that bacteria knows about those things?

Nothing.

What could it know about those things? Nothing, even if it was brilliant. Why?

It is because is in a subsystem.

It can't get out in to the super system, it can't get out to the larger system.

Why not? Because is limited to the subsystem and if you are in the subsystem, you just can't understand what it is in that super system.

So is that means that the super system is just irrelevant, it do not matter?

Like the scientist may say that; Well that stuff do not matter, we can't computed, is irrelevant don't matter.

Well, all that stuff is not irrelevant to that bacteria, because food go down to that bacteria is very depending on the rain and the sunshine and the refrigerators and the grocery stores and all that stuff.

It just he does not know, but is very depending on all that.

It affected tremendously but it can't know.

We are in the same boat, there is thing that we can not know, we can not get here unless we go there, you can not go there, then you just do not know. And

all matter of intellectualizing about it, is not going to get you there. You have to go there.

Ok, we do this, we treat this very much the way biology threads origins of the beginning of evolution here.

They said, well you have to get to conjunction, went you get pass you limits of knowing so they do conjunction and they said.

Well, you just had to have the exact amount of amino acids and proteins and thing and they were bumping around and they made this chemicals and the chemicals just happen to get together random. Randomness just some stuff got together and they band up in the ocean and suddenly you have one cell and that one cell over a very long, long time. You know, it learns a few things because he had just, this tiny little awareness, a little tiny ART.

If you like so it's learn so it learn and learn that two cells is better than one and learn to move little hairs and grow those little hairs so he can move around, it learn a lot of things and then pretty soon evolution does his thing and here we are, you know. Here we are tonight.

So we do about the same thing, we say you have ART, you have ART and it was ah mm, lets call it, primordial ART.

Is just one cell, just like the one cell in the primordial sea and it was not very bright either, it has a very tiny amount of awareness but it was aware that it could be this way or that way.

It was a little different, it did not have too much awareness just like the biological cell and then, if this could be on this or that way or this or that way or the other way. So it learns to change state, you see, in this way or that way. Sounds like the one and the zero, is it not.

So, started to do more and more and then this evolve, just like the thing evolve and pretty soon, you know it get ART, so is an evolutionary thing, ART is a real system.

So now, this assumption that we started with, it is; ART exist and is in the larger system but you had to have this assumption.

If you going to have a big toe, you are going to get out of the sub-set, you are going to get out of that box, at least one of your assumptions in your theory, has to be outside of his own causality if you only work from the inside of your own causality.

If you only work from inside of your own causality, you can't get out of the box. That is a simple logic, you can't do it.

So, this assumption is, our one assumption that get us out of the box, they are another single assumptions as that the evolution exist.

That is not to hard to understand because we see evolution all around us all sorts of systems evolve, beside biological systems, so that is not to hard to understand either.

Ok, so the bottom line there is, is that, this assumption is kind of the lip, this big lip of faith; one is right up to the doorway where Einstein went and an others very, very smart people and said, it had to have something to do with ART.

We know that is not continually but do not know what that is.

And then we have Fredkin and others taking about the digital reality and you can see that the scientist are right up to the door but can not open the door, because to understand ART you have to experienced is a personal thing, is not something that you can do objectively, that is why they got stock.

So we need this assumption, the fact that we have this one assumption that is not objective, is not like oh damn, you know bad physics, is like, is necessary. It would be a big toe with out this assumption.

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Ok results, some summaries, I will go trough this quickly.

The larger ART system is an aware evolving system. It is real and therefore finite. Finite and if you think that ART is infinite, Is a finite system.

All real systems are finite. Infinite system has to have infinitely energy, infinitely capacity and all this infinite things they are no real. But infinite is a kind of state of comparison relief.

You are floating in the middle of the pacific ocean you look around you the ocean looks infinite and after floating around for a week you are sure that is

infinite but is not is just big in comparison to you and that way is ART system is not an infinite system, is a real system, is finite.

ART evolves by lowering its entropy.

The larger ART system increases its rate of evolution by subdividing portions in to it self, in to smaller units that interact with each other.

We are an individuated unit of ART, a chip of the old block, one with all that is. ART is IT, we are pieces of ART. We are one with all that is, everything is connected, everybody is connected, every ART entity is connected and that is because we are subsets of one thing, one ART, ok.

Physical reality is a virtual reality-learning lab designed to help budding individuated units of ART (called an entity, which is what we are) evolve, that means lower their entropy through experience.

Continue the summary.

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Lowering entropy by improving the organization (profitability) of accumulated experience increases the energy, the power, the information available to the evolving entity. If you think about that remember entropy said lower grader or lower randomness, grader organization, bit in the same time that means more energy to do work, you can have bigger affect,

Well those two goes together as you lower you entropy in ART you get more power, more ability to have an affect.

Lowering you entropy, spiritual growth, increasing the quality of ART, evolving one's ART and growing up are all different expressions for the same thing.

Love is defined as the fundamental expression of low entropy ART, is not the low entropy ART is loving. A low entropy ART fundamentally is love.

Next results.

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The larger reality is teeming with life, that is because evolution is a very robust concept and as we know in our biology our physical biology system, anywhere the system will support a live form, some sort of live form, goes there. Every niche is filled, so is the same in the larger picture in ART that is evolving,

every kind of live form, that can be there, is there and this is just a tiny, tiny, tiny little, little slide of it.

Is to many life out there, there is probably billion more life out there than there is here, ok is full of entities, ok.

Many different reality frames or dimensions containing sentient (conscious) entities exist and are interacting according to their own rule sets.

Ok, what is all that means, they all are doing the same thing that we are doing pretty much, they are just in different frames, they still have the same job that we do and that is grow up, interact, decrease the entropy, why is that the job? Because that is the job of the system. The system exists, it has to lower his entropy, that is how evolves.

There is only three states that you can be in; you can be evolving, you can be static, standing still or you can be devolving which is dying.

So, you are either evolving or you are dying because just been in the middle is unstable. Is an unstable state, you just can't stay the same, changes happens, everything changes, so you are either evolving or you are dying.

So, why this ART system evolve? Well, the second choice is bad choice. So it evolves.

How it is that evolve? Evolve by lowering his entropy, it evolve by creating a lot of smaller units of ART and interact with their free will.

So, they can grow and lower their entropy, with out free will, you can't lower you entropy, because you can't learn anything.

Is only a script that you are following.

Growing up means growing to...in becoming it becoming love and you do that by eliminating fear and ego.

The opposite to love is not hate, is fear.

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This is, what it looks like. This is a little cartoon to give you a little bit of perspective. What I have in the green circle PMR, that is our universe, that is our physical reality and that is million times bigger compare with the rest of it, than it really is.

Ok, those are all the universe including us, so now what is inside of the red line, you see that label OS, that is Our System, that is our physical reality plus all the nonphysical, which mean other than physical that interact with our physical reality.

So, all that stuff we interact with uncle Frank who die last week and so on, that is part of OS, all right, is all the paranormal stuff, the reality the we general think of the non-physical, is really just this little part that is inside the red ring. That is just part of the nonphysical interacting with us, because we are not interacting here, so is define to be in that red ring, is just part of the nonphysical that we interact with and What is all this other stuff?

Well everything outside of that red ring, is stuff that we do not know that exist, we have no idea, did this exist? This has no idea that we exist, is out there, the only way to know about that is go out there and experienced. Ok, here is an others PMR, this is PMR1, that is 2, that is us, then is K, dot, dot, dot k, physicist white everything like that, 1-2...K.

This are others because they are different then physical, they are not quiet constrained enough to make it a physical place but is not entirely unconstrained, like the rest of this is but is lot of this I just have a few.

Like I said I been about 20 or 30 of this. I been in probably 10 or 12 of this big ones.

What are those big ones? The reality is kind of broken up in an organization units, the best way I can say is this ones represent a kind of a experimental protocol.

Ok, is the way of thing are done, all of this units are involve in, ah developing ART, lowing ART entropy, that is all about but they go in different way, is different experiments.

Our experiment or the experiment that we are apart of is one of the more lawful experiment, that means this is more rules, some of this has less rules, some of them have different rules.

You can not just... if you want to find the best way to lower you entropy through this ART system, you do not do just one thing, you said well that is good enough, you do anything you can think of, right this is evolution.

Evolution fills every gap, explore every idea and sees what works, well there is a whole more ideas that just one creates physical matter reality, that is all other things are doing, this is what other physical realities are doing, this is what other big frames are doing.

So in this frame is a, is a, is a probably, I will say on a scale of 1 to 10 is probably about an eight in the rule, in the number of rules and how constrained it is by those rules.

You need rules to constrained things otherwise; you do not have traction as far as your ability to learn. Without those rules that make that physical reality is very difficult to learn.

Think on a football team, I know football means something different you that it does to me, but it wont matter in this example, you have a football team and the football team do not have any rule.

Well you have only one rule and that rule is get the ball to the goal, is the only rule that has, so you have two teams with bunch of people in both teams and that is the only rule they have, that will be an interesting game? No, what would happen? Will be 0-0 at the end of last quarter, is not it, because it will be this big bump of people.

Lets one team whole much bigger and stronger than the other, teams in general are pretty evenly match, it just not be much fun, you just see a bunch of people for a fight for 3 hours and then you go home, that would not be interesting.

So, we have rules, actually to make the game viable is turn in to a game; something interesting, something is going on, there is interaction, there is planning there is plus, there is strategy. You get all that, with rules if you do not have rules not much goes on.

So rules make the different, makes a different game all of this things are playing slightly a different game and this big units are playing in generally a different game, they are playing rugby you know instead. They are doing an entirely different game and maybe they are playing basketball is a different rule set but similar. Next.

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Ok the logical implications of all this,

What about time and space, can we visit the past or the future? And Interact with it? The answer to that is yes.

We can go to the future, we can go to the past, ah there are really, ah there are really, there is four things involve in here, is not like you think, is not like you go back into the past and change something and everything change afterwards.

That is a Hollywood thing, does not work like that.

The way it works is at the future is not a done deal, is a probable reality, has not happen yet.

What make it an actual reality a free will? It happens in the present.

So, here we are in the present this is where our freewill is interacting, and the freewill of a rock rolling down the hill it is just keeping rolling, it does not have a lot of decision spaces.

We have a lot more decision space, but all the energy patterns the storms, the volcanoes, everything you can predict, you can predict basically what is going to happen in the next time, that is only probability, is not necessary going to happen but you can predict what is more likely to happen.

Then you go to the next time increment, you can predict what is more likely to happen, based on the last one happening. So, each one is based in the last one happens. So, you can predict as far as you want.

Couple problems.

As farther you can get, rather of your answers gets, because you are assuming that he last one is truth. So your assumption, your errors and your assumptions are building as you go out.

Is the same with probable reality, further out in time you go, the more likely to have error in it. So, that is your probable reality in order to know what is more probable, you can't just say uh, this is more probable. You have to calculate the probability of everything to know what is more probable.

Math's is just like that, I know is annoying but you have to do the whole thing in order to find out the one thing you want, is always like that.

So is calculated all the possibilities, that all the conscious beings and all the stuff and energy, the storms, the rocks rolling, everything is calculated. What is going to be the next step? Everything that could happen may happen, kind of thing. And then you can trace a path, through the highest probabilities that you are getting in all the states, so that is basically the way it works.

So you have now this probable reality out there everything that possibly happen and one of those things it does happen in the next time increment because we here doing or free will thing and something happens.

Ok, that is the present and at soon we march to the next one, that one we just left, drops in the probable or drop in to the history, is now in the history file.

But is two kinds of history there, there is the history that we actualize. The actualize history is the things that we actually we did will our freewill and then is the unactualize history that is all other things that we did not do, just like all those probabilities that we may do but we did not, all those become a unactualize history.

So you got basically three data bases, you have you future probability, you got your actualize history and you got unactualize history.

And just think on this as databases, remember went we talk about data stream, think in a big database and you had to acquire the database. You acquire with your intent. That is how you acquire the database.

So, you can go to a future probable, realities and you can look around and you can follow the probability lines and you can go off the main probability and go anywhere you want, you can change things, if I change things how it changes the probabilities.

This is a very nice system.

It will follow you intent.

It will recalculate those probabilities and show you what that may be, not a pretty handy tool is in it.

You can do the same thing with the past; you can go back along in our history thread. Like you can go to, you know, what could it happen if Adolf Hitler won World War II, you know if he was the winner and we were the losers.

What happen there? Well, you can find that out, recalculated those states and it will do is keep every probable thing that would happen by all the people all the people like you and me, that were there then. As model as, you know, you know, statistical models, well you say that is tuff modeling a person as statistical model.

Well, is tuff for us but is not tuff for data base that know every thought we ever had, every action we aver taken, every intent we ever muster, every feeling we ever had because all that is part of the record.

So, you can make pretty good model when you have that kind of data base and does not necessary go for this life experiences, that could go to a lot life experiences, that is one a ba hek database on you but you did not knew you had a record like that.

But ah, do not tell any lies! Went you get over there because it won't work.

Anyway, you can visit this places, couple of ways, you can watch it like a movie, where your intent is bring it up a movie of your choice or you can actually get in to it, like you are part of the movie, you can join in the movie, then you can change thing in that movie and watched.

All you are doing is acquire the data base that has all the data that is available to you because you are ART and what you do is taking data and that data make pictures or feeling or whatever, all the data is in there.

So, all is possible and so, basically everything that can happen does happens but it happen in probability.

The only thing that get actualize is what our free will does. Ok we have free will and we do what is not predicted, what happens? Well the computer just has to start calculating again, we made that computer start over, but it is need to start over do the whole thing, all it had to do is calculate what changes it has to make in order to make it fit, what it is what we really did because we have free will. You do not have to do what your model might say what is more probable; you can du something really bizarre if you want to.

That works and actually the most of us do, some other time. Do things that are bizarre.

That is our right to do that and went it does the recalculates...so you might, you might wonder about that.

Who will you know that you are in all this realities? Well, when people are presaging dreams, basically they got some data out of this probable future reality. That is where they get that from, but they do not know that is where they are. Is just an experience.

Until you are able to go there enough time to get know the land, to know what are you doing, you know how it works, you know how to access data in a very particular way, then you just stumble around in this places and you do not know.

So, that is why you get a lot of confusion, you won't know if you are in our past history, you won't know what happens, will happen, what did not happen, what could happen or what else.

If you just are wonder around endlessly, then you will get a lot of pictures, you see a lot of stuffs, exactly what you are seeing it was something in our history thread or one of those things that could it happen but it did not. You know, is that why your data is sometime to hard to deal with.

Slide 23

Ok, lets go on, this is just a real simple rendition of what I said.

There is OS, remember this is our physical reality plus everything nonphysical interacts with this, now right at this point it had three choices, it can go to here, there or to there. At that point all of this things are future probable realities, then you make a choice it goes over here at soonest it does that, all of this and this became past, right.

They are not longer on our future because it make a choice over here, you can't go there any more, so all that become an unactualize history data.

All right, now is over here, it can go to one of those three spots. Everything up here potential probable future reality, it make his choice, all this drop of and the only thing now that is in is our probable future reality, are this and so on. As this marches trough.

Of course every Delta-t every time that it make a choice all this lines they get spread out more, more, more and more things are done and keep spreading

as it goes, here I only did three you know is pretty small, there is really billions and trillions of choices it have to be made to change a state.

But if put billion and trillions of circles in that page, it just won't be a pretty picture and that is not a pretty picture.

All right lets go to the next one.

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This is now, is our future probability surface.

Ok, think on time going from the origin, to all directions, there is time going to all directions and here is the probability of events happening. Those little greens things.

So, you see near to the origin, where time is closed to the now, the present is it the origin. There is a lot of tall probabilities, so is not pretty hard to predict what is going to happen in the next teen minutes. That is easier.

You know, if you try to predict next week that is harder, trying to predict next year is really hard and the next teen years is harder. Keeps getting harder because the probability to come out in here in this probability, it sprinkle out of time.

Some times sprinkle out on this way over events, you know because a lot of things are probable there. So it kind of losses his definition.

But occasionally like out here and maybe here.

You can go pretty far out and find something that is really has a very distinct probable, you know probability at happening and those kind of thing prognosticator want to hold on, because is a really high chance at actually happens, even if is teen, fifteen or twenty years off.

Just for they own reasons, it just happens to be that way.

Ok next.

Slide 24

A logical implication of this.

What are the connections between physics, metaphysics, philosophy and religion, all the things I talked about, well they are all partial view of the same reality from different perspectives and from different beliefs, different assumptions.

Ok, the same reality creates all that, it just look it from different assumptions. With a big picture perspective they all are easily understandable as individual shadows of one whole thing and one can see where and how each got stuck because of their limiting beliefs. And all this things do get stuck because the limiting beliefs.

Ok, many of our best philosophers in science do accurately see a portion of the big picture; a few had seeing the whole picture because they lag the necessary personal experience with understanding of ART.

Many like Einstein, Bohm, Wegner knew that ART was involve, they just did not who.

Many successful seekers and enlighten individuals have seeing the big picture, for example you have ever read Lao Tzu, Tao Te Ching, well if you have and if you have experienced the big picture you know that Lao have been, done that.

It bring truth what he say is very accurate description about is one of those thing that at least you have been there is hard to tell that. And if you do not have any experience you read it and you go, Uh, what is he talking about? it does not make any senses.

After you been there, you say I get it, yes that is right, he has been there, done that.

Well most of people how do have experience and do end up in green, often is differences in beliefs systems, differences in expression, differences in the way they perceive it, but if you get trough all of that stuff in the surfaces and get it what is under kneed, you recognized it. We all see pretty much the same thing and why is that? Because is one truth.

What truth is truth, is not like there is a lot of truths, there is a lot of expressions of truth and they may all valid but it is just one truth, so people that actually has seeing the truth have to agree on what it is what there are seeing.

Ok, Fredkin and his digital physics. There is sensibly correct to, reality is basically computed. He just did not realize ART was the computer.

David Dutch many worlds, ok, he is basically right.

There are many worlds.

It just they do not exist as parallel physical places. They are probablestics not actual lives, they are in the data base.

Future, past the thread or past unactualized, there are many worlds and you can access to this worlds and everything that can happen is there as a probability distribution, so David Dutch it got that correct, he just not understand the nature of ART.

Again at least you experienced, Nick Bostrom, Brian Whitworth, Edward Fredkin all of them talking about virtual reality been computed reality, it just it so, is truth, is just not how they imagined, they all miss the ART connection because they do not have a personal understanding of the nature of ART. And the personal understanding is the only kind of understanding that creates fundamental knowing; again you can't handle the subjective objectively.

Ok, for the most part went I tell you about this things I not speculating. Believe that or not is truth.

I speak with confidants because, is only because I been there and by experiment and by experience I learn the causality of the larger system.

Slide 26

Ok logical implications.

What about paranormal phenomena? What are they and why they are so hard to nail them?

Well they are glimpses of the larger reality but they do not make sense from the limited viewpoint of this reality.

Remember you can't understand the big picture if only look with knowledge inside the little picture you can't do that.

So why are they so difficult to study because we are forcing the little picture causality on it.

Basically we demand that, this paranormal things, which are, which are events of the larger reality, been explained and described physically. We say the nonphysical has to be described physically because the physical is all there is, that it, we only have this universe and nothing else exist, so this thing exist and you have to be able to explain them physically, it does not work.

This are, this are things that happens, they are glimpses of the larger reality frame you can't explain them physically, does not work, the little subset can't explain the bigger superset.

All right, there is also a thing call the PSI. Some of the principals that limits the understanding of Psi to some extent, you have to read the book to understand it that.

But basically what it said is, it is part of our rule set and is there to keep the integrity of our learning lab intact, you would not want that the affectiveness of the learning lab to disappear which be otherwise and will talk about that little later, but there are rules that are prohibited and actually what this does is uncertainty to psi things. It requires a certain amount of uncertainty to go with it, ok.

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The logical implications here, PSI phenomena, such as remote viewing, healing, out of body experiences, exploring nonphysical matter reality, communicating with the nonphysical beings and telepathy all this things are all natural attributes of or are accessible to, a low entropy ART.

This is the extra power that you get by lowing your entropy, do you remember the extra power that you can do things, that you can change with, comes with lower entropy with more organization.

When develops a low entropy ART by eliminating the lit, eliminating fear and ego and by expending ones awareness into the bigger picture of existents. There is by developing one self spiritually, is another way of saying that.

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All right we are going to hit the science certainly principal was the first bullet. Well basically I told you is part of the NPMR rule-set, it represent an intangelment of uncertainty with the measure of the PSI effects.

If you and a few of you get together you can do wonderful things, you can du healing, you can do other kinds of things but what you do, kind of stays there, there is a certain amount...

Eh, from the outside view from other that are not part of your circle, particularly skeptical others or Scientifics others they come in. There is a lot of

uncertainty, not you know, you cheat, you are making this up, you know, you arranges all this.

There is something about it the make this ok not to believe it and always will be that way, there is always uncertainty involve in what you experience, that is part of the, you know is part of the process.

Ok let go on.

Slide 29

Ok logical implications.

What about teleporting? You get around, you know, what is teleporting means?

Basically in this senses teleporting, is changing your focus; you get this data stream, you get that data stream, you get different data stream and you do that with your intent. That is really teleporting.

Let say went I go to visit a, another, let say another physical reality, that means another virtual reality that is constrained enough that kind of has the nature of be physical,

Basically I can go there as an observer, in which case is like I am looking a movie. I can interact with the beings, I can talk and interact, I usually do that at the level that what we can call it, higher ART. So they are not aware of it.

I can do it so they are aware of it, if I do that they are aware of me either as voice in their heads or is they own thought, their own intuition.

If I like I can produce a body there and walk around and be one of the local people and interact in that way.

You can have your choices in those kinds of things. Now obviously if I can du that there, they can do that here, right is not one way street, but there is just a few entities that are able to do this, so it does not happen very often.

Is easier to teleport your awareness above the larger ART system, is very easy. You can go much further than only the nonphysical that interacts with our system, that is just a small little piece of that nonphysical virtual reality that has an interaction with any being here in this physical matter reality.

Ah, is easier to generate a body in other frame, is all just data, is just the matter of generate the data and when that data went to their ART they see a physical body, is, is easier than it sounds.

Slide 30

Ok logical implications further, Could this has something to do with UFO's ?

Well I do not know for sure, because I am not an Ufologist. I am not follow it.

I am not really interested in it, I really do not care much about ufos, one way or another, but it accords to me.

That many of this ufo experiences could be explained as experiences of ART in a different reality frame. You can parallel process reality frames very easily, you can be in two or three realities at the same time. You just learn the parallel process.

We parallel process a lot, you have seeing a secretary typing, talking on the phone and talking to somebody else, all at the same time, well she just learn the parallel process and she is writing notes about something else, all is going on at ones. You just parallel processes, doing several things at the same time. Well, somebody just naturally get in to this other frames and it happens. And you can learn to do it those things whenever you want to.

But sometimes just happens to people, like it happens to Bob Monroe with his out of body experiences, he did not want to do it, he did not train to do it, it happen. People have all kinds of paranormal experiences, it just happens to them.

That is because their minds get in just that frame where it makes a connection, for some reason and it had that experience. Well if you happen to be in this reality frame and you see some other part of another reality frame. How can you tear them apart? Data is data and all just looks physical and if you do not know any thing about what I just been telling you about, you just assume that, that is part of this physical reality. So, you see this people, you interact with them and they are here, well they are not really here, they are in another reality frame.

It appear to be here but you just can not separate one frame of the other because you do not know what are you doing and you are not able to do that separation.

So, I think that is what is going on a lot of the times and that does not explain everything that you Ufo fokes are saying, but that sure explains a lot of what they are experienced.

Ok, simultaneously being in parallel realities frames, it happens, it happens a lot and you can learn to do it, when you want it to. Ok.

Slide 31

Question a Flaws in the big toe, Have we find something that does not explain?

Ah, not yet, we are looking, because these things are important if you find something that does not explain. Explains the physics, explains the paranormal even explains theology, by that I do not mean that explains every detail in someone's theology.

I mean if you look in the fundamental things, the fundamental questions, those things that are functions of the nature of the fundamental reality, that is what it explains.

Explains all the fundamental questions.

If you find things that it does not explains, then terrific that means that there is more exploration that needs to be done and more data that needs to be taking and we have to enlarge the theory.

If the theory does not and can be enlarge to explained then the theory is incomplete, that there is a bigger theory and we are open to all that, is just that, mm we are looking, we are looking to find holes I have not find any yet.

Slide 32

Ok question, What kind of aware ART do? Answer What can't it do? You are ART, you are part of an ART system, is very little what you can not do.

It will be some things that you do not have access to, like in those future probabilities states, you won't get access to does states, you will be kept from some of them if is determent that would increase your entropy rather than reduce it.

It turns out that is not in your path to grow, to drop in fear, drop in ego then is a good chance that you do not get here, you be ah , you know like the most computer systems, you get to that little think were it goes beep, access denied, that sort of things.

But there is a whole that you can do and has help you learning, you know there is no barriers at all, but you do not want a system that provide you with the tools to defied your own in intent to progress and the system is helping you out there with his access.

Slide 33

Can everybody do it?

Of course everybody can do it, everybody how is conscious, anybody that is not conscious? Well, Everybody can do it then; we can all do it, but not lawyers? [Laughter].

Ok, but everybody does not do it, why not? Sounds like fun is in it, everybody do not do this but everybody could, you know, play the piano in a concert, everybody could be a brain surgeon or a nuclear physicist.

You know and everybody could do any of those things, but most of us do not do those things because we are not interested, that was not what came up we needed something to come up and do, you know we do not have the time, we do not have the energy and there is all kinds of reasons and those are the exact same reasons that everybody does not do this, they do not interested, they do not have the time, is does not come up.

Slide 34

So, everybody can do it but that is theoretical in a sense everybody theoretically can do it but a little few peoples really will.

You can do it, if you ride your ART to learn those things.

How do you do it? Well people ask me that a lot and the first think a generally tell them is if you want to understand ART, understand your own ART first, do not worry about somebody else ART, you might think is more fun but is going to be less productive to your learning, understand your own ART.

I have a very long section in the book one, that it talks about meditation, how to do it and put a lot of examples and things. But meditation is not nearly, so

hard as you think, is not nearly difficult or painful as you think is really a simple thing. You just have to stick with it and practice it and always collect evidential data.

If you do not collect evidential data, you would not know what you are doing, it will just be, wow it that is real, well I do not know, but is fun let do it some more. But that, that is rewarding in it self but is does not get you anywhere in a long term.

So while you are doing things, you have to say, what can I do to produce some evidence, that I can follow up on. If you are right, let say 70% of the time or even 50 % of the time, find out what state you are in. What approach do you have; When you were right and what was different then were you weren't; And you will find that by practice and practice you are able to refine what you are doing, how you are thinking, how you define your intent and you get better and better at it.

It just goes a little tiny increments at the time is not a great lit. Is a lot of work, collecting evidential data is important, there is no shortcuts, you can not take any magic pills, you can not read any magic books, you can not hang out with any great gurus.

Is not going to help you, you can do all those things but is not going to make you grow even a little bit, grow has to be from the inside, grow can not be push on you from the outside if you are not ready if you do not make that step it won't happen.

Slide 35

Approach to meditation,

Look at the things that are orange in this chart, notice, fear nothing, hope for nothing, no analysis, expect nothing, not compare, don't judge, they are about things not to do, they are not to things to do.

Everyone can meditate naturally; you do not have to learn to meditate. What you need to learn is to stop doing this stuff, that blocks meditation.

Meditations is natural to all of us, like breathing, you not need even to think about it you just do it, you are ART but you have to stop blocking doing it.

You block it with you fear, you are block it with you expectations, you are block it when you constantly want to make it objectively, when you are analyzing all the time, what was that? what is that means? It was that real? You get in the ... like that, it ruins your meditation, you can not do that, just experienced by a scientist just do it and observe.

Do not have any expectation about it, do not try to go some where with it, just observe.

Slide 36

Now, this is where I was, when I went up with Bob Monroe.

Is where you are now, you now.

When I went up with Bob Monroe my thoughts were, you know, is this guy nuts or what?

Well you have to be thinking that about me now, because unless you have extensive experience with the larger ART system. You can't held this question, because is the only way that you can tell that I am telling you, is in fact the truth that I have been there and experience it, otherwise is all in your intellect with out experience, is not personal.

It is just something you hear and is no way you can tell whether is breakthrough or delusion, until you go there and experience it. Most of us, again, the do experience it, we agree. Pretty much I was there.

Is not that everybody disagrees, it most everybody how goes agree, you just had to cut thru all variation of expression.

Laozi he was in, twenty six hundred years ago, he figured it out, he was here, he knew what he was talking about.

All right then, how do you go on it? Well you have to, kind of, get up your sit, get up and do it.

You do not know whether the pudding recipe is good or rather the pudding is good unless you tasted. You got to get involve.

If you read my books you can ask questions, is what you learn there, match the physical world? When I talk about the physics there, does it match with your own experiences? Your own subjective experiences, you are the worlds greatest expert on you own experiences.

Maybe in the only thing in the world that you are expert on but you are greatest expert in your own personal experiences and if you have experiences, you have been traveling around and do paranormal things or whatever, this book explain to you and you recognized and you suddenly you understand. Oh, that is what is happening to me and that is why.

Because that all will make sense to you.

So, match your own experience, everybody, no matter if you do paranormal things or not, everybody has a, you know a subjective life, so, what those books are telling you about the subjective life, is it truth?

Is that the way your subjective life runs? well you can find that out.

What is this really about is your big toe.

I call the book my big toe, because I wanted to make a point, it can't be your big toe until you experienced, you have to go out there and experienced otherwise is just something that you intellect knows about it.

The bottom line is to find out, remember you have to be skeptical.

I do not want you to leave here believing what I said anymore than I want you to go disbelieving what I said, neither one is productive, neither one is useful; neither will take you anywhere important.

I want you to leave here committed to find out, to discover the big truth for yourself.

That is how you grow, grow is your purposes, your mission, is your responsibility.

Let be my big toe the catalyst for your big toe, because in the end, that is more of the purpose of this lecture and this books, then just telling you, what reality is all about.

Slide 37

This is basically the end of what I got if you are interested in finding out more, there are books over here, and they are inexpensive because you don't need to pay for them to be ship all the way across the Atlantic Ocean.

They were brought here in suitcases. They were free from shipping.

Ah you can go to the discussion, this is the website, there is a discussion group with other people how are reading, had read, get up and talk about thing that are interesting the charts will be available.

This videos will be available and all will be free, I will be on my website, Desmond has them in the college and books you can get, you can buy them in website but they have to by ship, you can get them trough Amazon, you can get them in Barnes and Novel online, you can go to your favorite book store and ask them to order it, there is an international distributor Baker and Taylor, they distribute it all over, that is how you can get more information.

Slide 38

All right, this get us to the questions and how we doing on time? About 10 minutes.

Questionnaire for Artists with Conscience **A program of Syntony Quest**

Why are you interested in the Artists with Conscience program?

Do you consider yourself an artist with conscience? Why (or why not)?

What form of art or media do you work with?

Painting	Poetry	Dance
Photography	Fiction writing	Theater
Sculpture	Music	Crafts
Other:	Other:	Other:

Please share with us your views about the state of society and the future of our planet by completing the following sentences in whatever way is meaningful to you:

The world is...

Humanity is...

The natural environment...

Artists should...

The future is...

My role in society is...

Can we share your answers with other Artists with Conscience?

When you're done, you can send this questionnaire and if you have some more words to add to the glossary please send it to the email at naunjuarez@hotmail.com

Thank you!!

REFERENCES

<http://youtu.be/MxECb7zcQhQ>

http://youtu.be/95F8JPIE_1U

<http://youtu.be/1sB4j6L6Rzw>

<http://youtu.be/2epiwg-QZt0>

<http://youtu.be/xrMdH4W91Y0>

<http://youtu.be/Eh2CnN4Zqik>

<http://youtu.be/azzAUNeVYkw>

<http://youtu.be/CCAp01yeyE>

<http://youtu.be/hemH0OqOpX0>

http://youtu.be/hlxcN_qWusk

<http://youtu.be/XUXatHQ80Ho>

<http://youtu.be/Pq5ApTzc4as>

<http://youtu.be/qgizL1F92kc>

<http://www.tate.org.uk/whats-on/tate-britain/exhibition/altermodern/explain-altermodern/altermodern-explainedmanifesto>

<http://dialnet.unirioja.es/descarga/articulo/2938083.pdf>

http://www.google.com.co/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&cad=rja&sqi=2&ved=0CCcQFjAB&url=http%3A%2F%2Fwww.marginalutility.org%2Fwp-content%2Fuploads%2F2010%2F07%2FClaire-Bishop_Antagonism-and-Relational-Aesthetics.pdf&ei=XLtvULnqH4qe9QSasYD4AQ&usg=AFQjCNEO1FmWQK4piCyf2lhhFlm5nG8jCg

http://books.google.se/books?id=8RkNAQAIAAI&pg=PA5&lpg=PA5&dq=Derri+da+metaphotografic+event&source=bl&ots=BLjFCQe2b_&sig=Au-BGOpUJDN8wMBS35vMXVWeUKY&hl=sv&sa=X&ei=F8gTUIgtr4HgBJK1gegM&ved=0CFYQ6AEwAQ#v=onepage&q=Derrida%20metaphotografic%20event&f=false

<http://books.google.se/books?id=sXbUGHzv8o8C&pg=PT243&lpg=PT243&dq=Bettina+von+Zwehl+and+Ulf+Lundin&source=bl&ots=lvNjgQ5lua&sig=d7F21aQFCrL7NP5SMtgrpZgTSVs&hl=sv&sa=X&ei=tsoTUI7HLonU4QTTnoDIDA&ved=0CEwQ6AEwAA#v=onepage&q=Bettina%20von%20Zwehl%20and%20Ulf%20Lundin&f=false>

<http://books.google.se/books?id=sbFM25lr4ZMC&pg=PA151&lpg=PA151&dq=Images+and+Aesthetic+ART&source=bl&ots=k2dKT-F9Tj&sig=uQyqf4kFyfC9aJxqi68ZDIeZfhw&hl=sv&sa=X&ei=lxYTUNPRMMfh4QThoCQBw&ved=0CEMQ6AEwADgK#v=onepage&q=Images%20and%20Aesthetic%20Consciousness&f=false>

http://books.google.se/books?id=sXbUGHzv8o8C&printsec=frontcover&hl=sv&source=gbs_ge_summary_r&cad=0#v=onepage&q&f=false

https://docs.google.com/viewer?a=v&q=cache:rWudBZzXfAoJ:www.abdn.ac.uk/idav/documents/Lyotard_-_Postmodern_Condition.pdf+&hl=sv&gl=gt&pid=bl&srcid=ADGEEsje0IB7yE8oFTekq3TRC8C5crCWqZpbByL4UXs5BmwIUxz1-RckrV8_3fQ84rWzysp11KdN5oSBVnWuK6_AwelctRcK8F-Wb9kwvlAYqM6ARCncYztZHBLOZbMjcoh1KVZF51ej&sig=AHIEtbQfT-pbdpj_knfjXSsLqbL114yEWg

<http://www.lacan.com/frameXXIII7.htm>

<http://www.4truth.net/fourtruthpbnew.aspx?pageid=8589952823>

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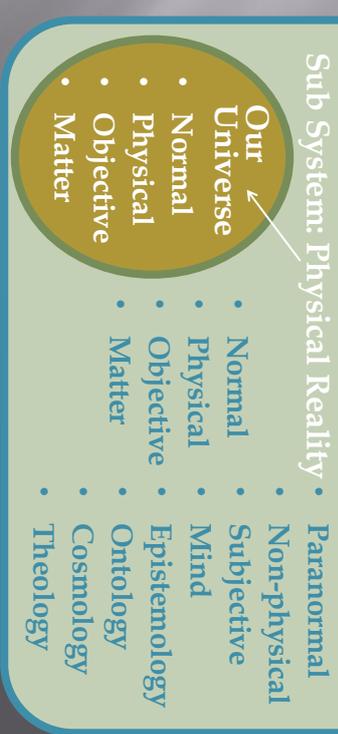
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Logical Sets and Systems

Assume There Is a Larger Reality

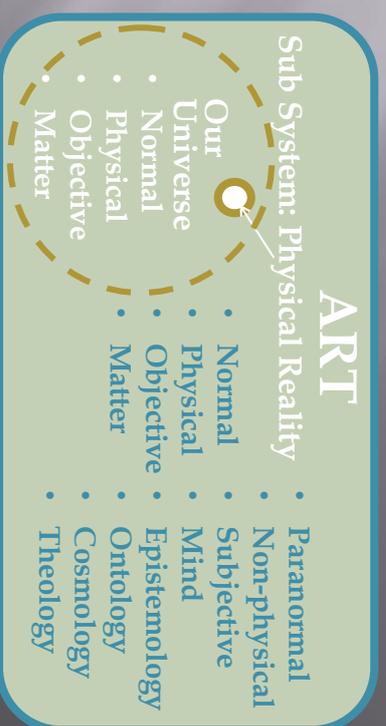
System: The Larger Reality



One Cannot Define The System In Terms Of The Sub System. To define the system one must experience it

My Big TOE - Bottom Line

Scientific and Logical -- No belief required -- minimum basic assumptions



MBT Explains the physical

- MBT's Physical reality model better explains the objective data
- Quantum Mechanics
- Entanglement
- Wave /Particle

MBT Explains the non-physical

- Origins, Existence, purpose, and mechanics
- Paranormal, mind, ART
- Metaphysics, philosophy
- Theology

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Interpretations of Quantum Mechanics – By the Baker's Dozen

Interpretation	Paranormal?	Waveform Real?	Intend?	Intend?	Collapsion?	Observed?
Copenhagen Interpretation (Waveform not real)	No	No	Yes	No	NA	NA
Ensemble Interpretation (Waveform not real)	No	No	Yes	Agnostic	No	None
Copenhagen Interpretation (Waveform real) Objective collapse Heads	No	Yes	Yes	No	Yes	None
Consistent histories (Probable approach)	Agnostic ¹	Agnostic ¹	No	No	No	Interpretational ²
Quantum Logic	Agnostic	Agnostic	Yes ³	No	No	Interpretational ²
Many Worlds Interpretation (Debarthent approach)	Yes	Yes	No	No	No	None
Stochastic mechanics	No	No	Yes	No	No	None
Many Worlds Interpretation	Yes	Yes	No	No	No	Interpretational ¹
Schrodler Brodie Interpretation (*Pitcho-wave approach)	Yes	Yes ⁵	Yes ⁶	Yes	No	None
Transactional Interpretation	No	Yes	Yes	No	Yes ⁷	None
KT waves collapse	No	Yes	Yes	No	Yes	Causal
Relativum	No	Yes	Agnostic ⁸	No	Yes ⁹	None
Quantum Mechanics Measurement	No	No ¹⁰	Yes	No	Yes ¹⁰	Interpretational ²

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Physics - The Nature of Reality

- Quantum mechanics -- particles as probability distributions
 - Wave/particle duality
 - The "measurement problem"
 - Entangled pairs
- Quantum Mechanics Interpretations
 - Bohr, Heisenberg --- Copenhagen interpretation : rejects questions like "where was the particle before I measured its position" as meaningless. The measurement process randomly picks out exactly one of the many possibilities allowed for by the state's wave function.
 - ART causes collapse
 - Consistent histories
 - Many worlds (David Deutsch - Oxford)
 - Many minds

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Other Big Scientific Pictures

- Edward Fredkin – Digital Physics -- 1992
 - the entire history of our universe is computable
 - Reality is:
 - A computer itself.
 - Implemented on a computer (a simulation)
 - Essentially digital.
 - Essentially informational
 - The computation must be in "other" outside of physical reality
- Nick Bostrom – Ph.D. from LSE - Now at Oxford
Are You Living In A Computer Simulation? One must be true:
 - It's impossible
 - If not impossible, then unlikely
 - If not unlikely, then Almost all entities with our general set of experiences are most likely living in a simulation
- Brian Whitworth – The Physical World as a Virtual Reality
 - the universe is a virtual reality created by information processing, and furthermore this concept is supported by findings of modern physics about the physical world.
- Jim Elvidge – *The Universe Solved*

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The Big Guns - Albert, My Hero

- "If we think of the field as being removed, there is no 'space' which remains, since space does not have an independent existence." – Albert Einstein
- "Reality is merely an illusion, albeit a very persistent one." – Albert Einstein
- "Hence it is clear that the space of physics is not, in the last analysis, anything given in nature or independent of human thought. It is a function of our conceptual scheme [mind]. Space as conceived by Newton proved to be an illusion, although for practical purposes a very fruitful illusion – Albert Einstein
- "To meet the challenge before us our notions of cosmology and of the general nature of reality must have room in them to permit a consistent account of ART . Vice versa, our notions of ART must have room in them
- to understand what it means for its content to be 'reality as a whole.' The two sets of notions together should then be such as to allow for an understanding as to how ART and reality are related." – David Bohm from the introduction to *Wholeness and the Implicate Order*
- "One has to find a possibility to avoid the continuum (together with space and time) altogether. But I have not the slightest idea what kind of elementary concepts could be used in such a theory." – Letter from Albert Einstein to David Bohm October 28, 1954
- "It will remain remarkable, in what ever way our future concepts may develop, that the very study of the external world led to the scientific conclusion that the content of the ART is the ultimate universal reality." – Eugene P. Wigner a Nobel Prize winner and one of the leading physicists of the twentieth century

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How did a nice physicist like me end up...

- Just out of Graduate School
- Connections to Bob Monroe
 - Setting up the lab
 - Learning about Altered States
 - Mastering OOB
 - Doing experiments
 - Joint travel, communications, remote viewing, healing, death and dying
 - Teaching others
- Moving On
 - learning accelerates, research never ends
 - Continuously developing the model and maintaining scientific integrity
- 30 years later -- the publication of My Big TOE
 - An inside job
 - First hand experience

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So, If You've Really Figured It All Out Why Haven't We Seen Your Name In Lights?

- Its all very new – you are getting the news almost before it happens
 - Reality concepts are slow growers – require major paradigm shifts
 - Other Ideas we have discussed that are just now gaining currency have been around for at least 20 years, most for much longer.
- I am not an Academic Physicist -- I work in the "real world" and thus have little to say about physics theory
 - Outsiders get little credibility from insiders.
- I appear to have done the "impossible"
 - Mixing **traditional science** with philosophy and mentioning the words "subjective" "metaphysics" and "paranormal" puts me outside the box of rational consideration for many scientific believers -- **Darwin, Einstein**
 - Changing paradigms is just too difficult for those committed to, and vested in, the old paradigms.
- The message is too important to bury it in an academic argument for the next 20 years while trying to gain academic favor
 - The scientists will come along by and by because the work can stand on its own feet. The truth is not fragile.

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Reality: A system of Consciousness

- ART is the Media of reality
- Information is the content of reality
- Entropy is the Evolutionary motivator
- Fundamental reality is modeled as system of digital ART
- **Attributes of ART:**
 - Experience (data input -- communication)
 - Memory (data storage)
 - Processing (data processing operates on the information)
 - Self modifying feedback mechanism so the results of processing can modify the experience (self-modification, learning, or growth) through intent (free will). i.e., Energy/ data exchange modifies data input -- evolution
 - Modified ART may now exist in new state of being

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Above attributes: All about information

At the Root: Information

- Information is nonphysical
 - meaning, content, significance as opposed to media and code-symbols
 - information requires a lower entropy organization of code-symbols
- At the most fundamental level: ART is information
- Information is nonphysical, thus ART is nonphysical
- At the most fundamental level: Information is bits
- At the most fundamental level: bits are digital and binary – 1 or 0, off or on, yes or no, dot or dash
- Logical consequence: A ART system is best modeled, at the most fundamental level, by a digital information system
- ART evolves by lowering its entropy – i.e., by improving the value (useful information content) of its bits

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Bottom Line:

- The larger ART system evolves by lowering the entropy of the system.
- It lowers the entropy of the system by organizing the bits at its disposal into a more profitable configuration.
- New bits and organizational opportunities are generated by using conscious intent to apply free will choice to incoming experience data
- Feedback of the results of previous choice allow us to modify future choice (free will)

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Metaphysics: Generating Experience Individual Existence And Purpose

- Because experience is the generator of input, ART facilitates its own evolution by creating many smaller units of ART and setting them loose to evolve (lower their entropy) by interacting with free will.
 - Purpose and the positive direction of that purpose (evolution) is thus defined
 - Positive vs. negative, good vs. bad, evolution/devolution are defined – morality, spiritual growth, love are all defined as measurable quantities in terms of entropy

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Physical Reality

- Experience requires interaction. To make that interaction more effective a simpler constrained environment is needed – our local physical reality is an elementary school – a virtual reality learning lab for individuated units of budding ART.
- Physical reality is a digitally based virtual reality where interactions are constrained according to a given rule-set
- Next Level of relativity: there is no absolute or fundamental reality frame within the system.

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Origins

- Where did this reality/initial ART come from? (infinite regression – bacterium example – biology parallel)
 - To describe a super-system, a subsystem logically needs at least one assumption that falls beyond (outside of) its own causality – that is assumption 1.
- Assumption 1: A potential energy form (call it “primordial ART”) exists – a media capable of self-modification **[the potential of ART exists]**
- Assumption 2: In systems with complex potential outcomes, evolution directs and encourages change toward more profitable states of being. **[Evolution exists]**
- These are the only two assumptions made in MBT

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Results 2

- Lowering entropy by improving the organization (profitability) of accumulated experience increases the energy/power/information available to the evolving entity.
- Lowering entropy, spiritual growth, increasing the quality of ART, evolving one’s ART, and growing up are all different expressions for the same thing.
- Love is defined as the fundamental expression of low entropy ART.

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Summary – Results 1

- The larger ART system is an aware evolving system. It is real and therefore finite.
- A ART evolves by lowering its entropy
- The larger ART system increases its rate of evolution by subdividing portions of itself into smaller units that interact with each other
- We are an individuated unit of ART, a chip off the Old Block (larger system)-- one with all that is
- Everything is an expression of ART – all are connected
- Physical reality is a virtual reality Learning lab designed to help budding individuated units of ART (called an entity) evolve (lower their entropy) through experience

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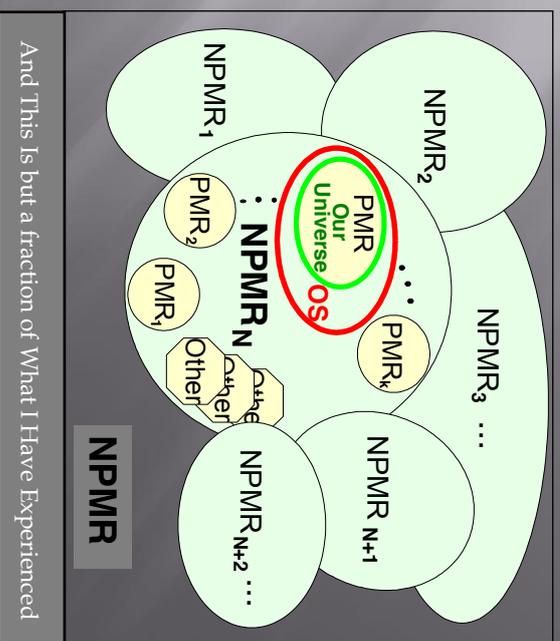
Results 3

- The larger reality is teeming with Life
 - Evolution fills every niche – what can exist generally does exist
 - Many different reality frames or dimensions containing sentient (conscious) entities exist and are interacting according to their own rule sets.(I know because I have been there and seen how it works. It is logical and the results fit the data.)
- All entities in our larger reality system have the purpose of lowering their entropy by growing up, by becoming more spiritual, by becoming love – i.e., by eliminating fear and ego.

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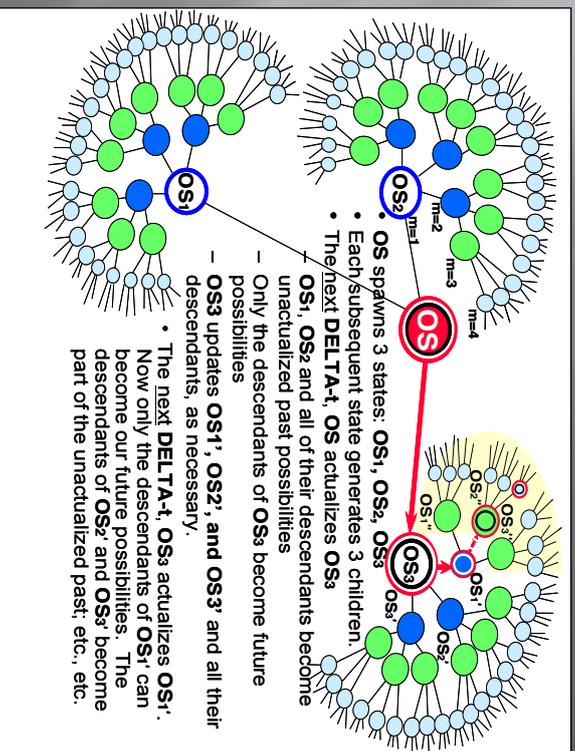
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Reality Systems: The Big Picture



And This Is but a fraction of What I Have Experienced

Generating the Possible States of OS



• OS spawns 3 states: OS₁, OS₂, OS₃

• Each subsequent state generates 3 children

• The next DELTA-t, OS actualizes OS_s

OS₁, OS₂ and all of their descendants become unactualized past possibilities

– Only the descendants of OS_s become future possibilities

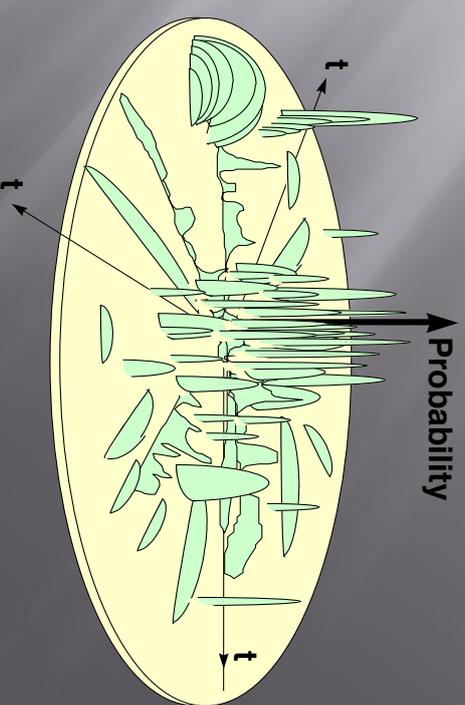
– OS₃ updates OS₁, OS₂, and OS₃ and all their descendants, as necessary.

• The next DELTA-t, OS_s actualizes OS₁. Now only the descendants of OS₁ can become our future possibilities. The descendants of OS₂ and OS₃ become part of the unactualized past; etc., etc.

Logical Implications Reality Frames Past and Future

- ▣ What about time and space? Can we visit the past or the future and interact with it?
 - Yes to both, but not as you suspect.
 - The probable future turns into the present as free will choices are made then exits as the actualized past (our local history thread).
 - Every thing that can happen does happen
 - The present moment (free will choice) is where all the action is. It is the creator of history
 - ▣ Actualized Past -- probability model
 - ▣ Non-actualized past -- probability model
 - ▣ Probable future -- probability model
- ▣ What is the real difference between physical and nonphysical reality frames? How does one relate to the other?
 - Fundamentally none! It is a matter of perspective.

Future Probability Surface



Logical Implications Interdisciplinary Connections

- What are the connections between physics, metaphysics, philosophy, and religion?
 - They are all partial views of the same reality from different perspectives and from different beliefs – different assumptions.
 - With a big picture perspective they all are easily understandable as individual shadows of one whole thing. One can see where and how each got stuck because of their limiting beliefs

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Logical Implications Spirituality and Psi Phenomena

- Psi Phenomena such as remote viewing, healing, OOB, Exploring NPMR, communicating with nonphysical beings, and telepathy are all natural attributes of (are accessible to) a low entropy ART
- One develops a low entropy ART by eliminating belief, fear and ego and by expanding one's awareness into the Bigger Picture of existence. That is, by developing one's self spiritually.

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Logical Implications Paranormal Phenomena

- what is the cause of psi (paranormal) phenomena – what is going on here and why is it so difficult to study? why is it so difficult to prove?
 - Psi phenomena are glimpses of the larger reality at work but don't make sense from the limited understanding and perspectives required by our beliefs.
 - They are difficult to study because we force little picture constraints on big picture phenomena.
 - We demand a physical explanation of nonphysical phenomena.
 - The "psi uncertainty principle" limits "knowing" so as not to destroy the usefulness of our learning lab.

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Logical Implications The PSI Uncertainty Principle

- psi uncertainty principle is part of the PMR rule-set. It represents the entanglement (interaction) of uncertainty with the measurement of psi effects
- you cannot force your virtual physical reality to exceed the limits and function of its defining rule-set to within some proscribed level of uncertainty in the system.
- psi effects must be largely constrained in PMR or the effectiveness of the learning lab would quickly degenerate. The psi uncertainty principle is the mechanism for maintaining the usefulness and functional integrity of our virtual reality.
- For example: Rarely is a-causal or paranormal information obtained from NPMR and then directly applied to develop or invent physical devices (giant leap) because the psi uncertainty principle would generally forbid that sort of overt information transfer. Otherwise evolutionary integrity would suffer.

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Logical Implications Teleportation

- What about teleportation? Is it possible between reality frames? Within this physical reality frame?
 - It is easy to teleport the awareness about the larger ART system
 - It is easy to generate a body in another (nonphysical) reality frame
 - A PMR to same PMR transfer has psi uncertainty as an issue as well as PMR rule-set mass requirements.

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Logical Implications UFOs

- Is there a possible connection here with UFO experiences?
 - Perhaps. Some UFO experiences may well be more of an experience of ART perceiving beings from other reality frames than an experience that others could verify as physical.
 - Simultaneously parallel processing multiple reality frames.
 - Such an experience cannot be easily differentiated from a physical experience. Perhaps something like dreaming you are awake or dreaming while awake.

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Question Flaws in the Big TOE

- Is there anything your "Theory of Everything" (Big TOE) does not cover, does not explain?
 - No – neither I nor others have yet found any fundamentals of reality that are not clearly explained.
 - The fundamentals of metaphysics, theology, philosophy, paranormal are all adequately derived and understood
 - The fundamental reality underlying science/physics is also clearly derived. Quantum mechanics is given a solid theoretical basis – paradoxes resolved

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Question What Can Aware Consciousness Do?

- What can you do in this physical reality by operating in the nonphysical? Are there limits?
 - **What can't it do?** ART is the media of reality and you are ART. All of reality is open to your exploration. From the much smaller perspective of the physical one can travel (teleport ones awareness), assess future probabilities and play "what if in Past possibilities, heal, communicate telepathically with those embodied or not embodied...
 - But best of all what one can do is grow up. To learn to let go of fear and ego to become a being of love – i.e., spiritual growth. In scientific terms that means improve the quality of your ART by decreasing its entropy through ART evolution

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Question Can Everybody Do It?

- Can anybody learn to experience and become operational in nonphysical reality?
 - Yes, theoretically, anybody. But that is like saying anyone can learn to play the piano well, be a good soccer player, operate a computer or program in C++.
 - Anybody can, but not many do
 - It is not only your right as ART, but your duty as well.
 - Such abilities are a natural expression of a higher quality ART

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Approach to Meditation

- Attitude: While in a meditative (quiet and relaxed) state.
 - **Fear nothing** and **hope for nothing**
 - Send your intellect away – just do the exercise dispassionately – no thinking and **no analysis** allowed.
 - **Expect nothing** – have no pre conceived notions about what will or will not happen.
 - **Don't compare** experimental events – let each one be unique
 - **Don't judge** quality or value of experimental events – just let them be as they are – record everything as an impartial disinterested data taker
 - Accept whatever happens as the objective results of an experiment
 - Make every effort to collect evidential corroboration whenever possible. **Set up your experimental situations so that evidence will be generally available.**

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Question: How?

- How does one go about learning to experience and become operational in nonphysical reality? Are there any exercises you recommend to help develop this awareness?
 - Start with meditation – Ch 23 in Book 1
 - Explore. Experiment. Practice. Have patience and stick-to-itiveness. **Collect evidential data** to confirm what you are doing has real results. Explore...
 - No magic pill or magic process – You earn your way by growing up, by pulling yourself up by your bootstraps.
 - **No shortcuts** other than steady effort and diligence

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What Now? Break Through or Delusion?

- Does this guy know what he is talking about?
- Or Does he just think he knows?
- Are his experiences real?
- Or does he just think they are real?
- **Unless you have extensive experience with the larger ART system, you must have this question**
- There is strong consistency among those of us who do have that experience
 - What to do about it
 - Taste the pudding
 - Does his description of the Physical match the real world?
 - Does his description of the subjective world match your own experience
 - This is really about YOUR big TOE
 - FIND OUT!

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Where To Go For More Information -- Books

- www.myBigTOE.com
- Discussion Group
- About the Author – email – Charts Available
- Books
 - MBT Web Site
 - Amazon
 - Barnes & Noble Online
 - Bookstore special order (Baker & Taylor)

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MY BIG TOE

QUESTIONS

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