---------- Forwarded messag= ----------
From: jeffrey E. <jeevacation@gmail.co= <mailto:jeevacation@gmail.com> >
Date: Wed, Apr 29, 2015 at 4:55 PM
Subject: Fwd: sub=ects
To: Jeffrey Epstein <j=evacation@gmail.com <mailto:jeevacation@gmail.com> >

---------- Forwarded message ----------
From: jeffrey E. <jeevacation@gmail.com <mailto:jee=acation@gmail.com> ><=r>Date: Wed, Apr 29, 2015 at 4:48 PM
Subject: subjects
To: Jeffrey E=stein <jeeva=ation@gmail.com <mailto:jeevacation@gmail.com> >

1.=C2� unlike machines   that turn on when the switch is thrown.=C2� . in essece default off. biological systems are default =n. they attempt to stay on. the system of excitaiton and=inhibiotn is not dissinmlar from adjusting the speed of a car. to ma=e it go faster.   you can either put your foot on the gas =r take it off the brake.   much of the early advances in medicin= and pyschology were during the industrial revolution, when ma=hines were the examples. the body as a machine was the way to look a=d try to figure out what was going on.   hydrualics. for m=schle . s cranes joits pulleys. . for psycho=ogical issues the machine and some of its terms became inbedde= in the system.   thinking like a well oiled machine. inpu= output, , computation, memory, ,

  the view was that=a dream state was turned on when one fell asleep/ the eq=ivalent of going to the movies.   what was on the screen w=s then analyed , examied frightened amiused , it was in a dark=enclosed skupp of a room. people wer able to fly. etc.   I=think that there is another more biologial system explantantion. �=A0 I postualte that dreams are ALWAYS on. running 24 hou=s a day, one gets to experince them when the screen of conciousness =rops away, it is that conciouness sets a screen in front of th= dreams. I takes energy to keep the conciuosnes screen continuous, a=d opaque with respect the dreams. if conciousess screen starts=to fade. we can see behind an start to day dream, =f we are unable to craft a screen with no holes we are fine but that=takes enerngy and sleep to fill in the holes. without sleep�=A0 the holes form and dreams start poking their way through. schizoh=enia is a person not being able to distinguish between dreaming and =eality.   he is walking in the street but he hears his mother .=C2� the neighborhood cat might speak to him.   things th=t everyone experiecens in their dreams the schizoid cannot tell the =iffernece his screen is damaged.   the dreams behind the c=nciosness screen are tied to the emotions., why am i in a bad =ood , could be because I am having a bad dream behind my conciousness scre=n,   a feeling of dread, , somethin happend in my dream. etc.�=A0 . it turns out that schizoeds suffer sleep ailments.=C2� sleep deprivation causes hallucinations. (d=eams while awake). the conbciuousess screen is tied to our senses.=C2� run through focus filters. with a feedback that in some instances ar= hard wired,   aversion , danger, , its the acgivity=behind the screen that answers the compleix quesiotns. the aha momen= is when the dream room sends its message to the conciouness room.

=/div>2 music ,   most animals make sounds.�=A0 what does music represent. it is melody prosody, info=amtion both verticaland horizonal. chords melody. = as it is generated from the brain can it be reversed engineered and used =o probel the workings of the machine tha creatied it. . listei=g to a flute, and its tonal quality   from the sound analy=isi , a long empyt tube can be postualted.   but thats only its =tructure, rythms are a product of the player not only th= structure. do german marches provide insite into a german mind.�=A0 is it organized regulaid.   beats that range from 30 - =2 bpm.   do afro americnacs. think more like jazz.=C2� somewhat off the beat. (humor. unpredictable movements =aking it harder for a german to tackle down the field. .). �=A0 why do soldiers march further to music, runners run f=rther.   . A symphonic structure is theme repe=ition vaitaion on the themes conclusion. the same dictum=given to public speakers. tell them what you are going to say,=C2� say it , tell them what you said.

3. mathe=atics is the search for truth.   algorithms that do not ch=nge there result with the passing of the day. . mathematics st=nds outside of time. the ideal of a point or line (separte from ein=teins measuemrnt issues as the actaul measurement is much more diffcult�=A0 . requiring a beggining and and end therefore measurement lives i= time space.   mathematics is the search for truth. =C2� I postualte that Biology and biological systems differ from mathemat=cs beacuse it is needs deception to survive. biological systems only make =ense in time space. , trying to stay away from what is the mom=nt of life or death. . predator prey. biuoog=cal systems need free energy in order to maintain structure dissinte=raing from entropy,   eneygy needs to be ingested inorder =o fight the slope down to breaking apart and returning to dust. �=A0 . getting energy, the most basic bio requiremen=. in bio systems however the best way to get energy is either =rom the sun, a limtied chenical reaction or heat gradisent. the ener=y must come from outside.   the way for systems to gain enery is=to eat it. the way not to die is to eat andnot be eaten. . the game =f eat or not be eaten is very sophisticated   what is the =ntity . the cell . the organ , the organism . the community �=A0 on and on.   heirarchila nested systems. at=every level decision have to be made , is it ok to sacrifice a few c=lls so that the organism can live. which cells. do=they get a choice? how many when . when the organism is =aten by its predator. how did it try to protect itself. =amaflouge, surrounding itself in junk, mimicryy, misdirection, misin=ormation. etc.. qurum sensing game theory, free wi=l, bait, ants, .

4 we have come a long way in sur=eillance and detecting and encoding and decoding communticaions betw=en people between computers, .   we can do this beacuse we can p=ck out the words in text, embed it in a grammar space,

�=A0we know the language/   we need to do the same now=for biology, what is the language of the cells. do they =ommuncat with proteins, . what are they saying to each other, is teh=oanaguage encrypted   , does each person have his onw code.�=A0 is it chemcial or elctrical or both. or physical like=the shape of the protein fiiting in a lolck, or combination of all three.=C2� the protein fits. the electri is fired, etc. does the brain send a m=ssage. what does medicine do. does it fool the receiver =he sender. the listener. the history of telemommincaiotns inte=cepts have a long histroy referring to alice and bob that would like=to speak to each other,   they encript their messages.�=A0 so that a listener cannot do damge. . why not a=tack the bio language the same way as speech.   have=nsa work on decrypting the differnce in signals from a cancer =ell as opposed to a helathy one. we know that cells send out messages�=A0 , am i in the right place. if they get no answer or t=e wrong aswer they are programeed to commit suicicde. when a f=reigner shows up in a neighborhhod that is hostile , he is sur=ounded. killed and moved into the trash. he can ma=querade as a local. how can the other cells tell. =an they ask him who won the world series. ? . maybe an equival=nt. friend or foe, ? decoding skills find it difficutl t= decipher if there is no repitition or action that is the result of =he message.   the famous example separate from heil hitler=at teh end of the message (anecdote or true). to break a cod= that was recieved from the germans the allies planed a bomb in thre= citie all set to blow at teh same time,   they thoguth that the=word for bank or bomb would be in the message for the day. . or so t=e story goes.

money what =s it . is it a mirage that disappears when you look too closely,�=A0 can you have money without debt, is it an accounting =ystem. what and whys of itnerest. was it for small=communities. ? with the same currency, what is the dirrency beteen c=rency and money,   what is the meaing of value,? cos=. market. what is a derivative, futures ,

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stocks bonds, =ptions, converitibles.   how does trust fit in,   can you h=ve money with no trust.   in each other in an institutuion,�=A0 , what is credit, is it different than money, , social contract.=C2� reputation. economics. . currency exhange, bitcoin= zero knowledge proof. ,

'VAULE WORTH COST

inner state economics. vs outer state ? inner game =heory. nested functions. how does one balance inner and outer drive.=C2� original works of art are a befit for inner state. =personal art signature from grandfather , if they are proven fake , =o reality but huge value change. .   value needs to be fro= each seat in thehouse. .

if you wi= the game but violate your principals it is a two dimensaional=game , that should have a utility function.   it is a two dimeii=onal graph, ? dynamic, does it change over time. ?   no an=wers. as apart from physics due to math.

intellignce. ? speed of thought . algorithmms empathy,=C2� creativity , surivial. . is it a limited resource, maximizing =ptions, ENVIRONMENT<

distributions, �=A0 pwer laws. biollogical agents. networks.   is gravity m=rely a restoring force. . pareto . zipf, normal. why are=things distributed.   central limit therom randomness.�=A0 etfc.

pwer   physical fina=cilall iontellectaul, politcial. its uses. dangers =C2� getting others to do work, play on the definition. ?

nested is the essecne of life. . memebranes. boundaries.�=A0 ecxchnagfe across the boundaries .

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     please noteerved=br>