inner thought bounded bu consciiouses =A0 external world.   circle includes self directed reward,=C2 -- god . .
exteranll follows rules of science. =A0 hope inside parabolas out. // bpuondary membrane, =A0 everyhing on the
insdide shows on boundary(concious).

gamefication. - rewards.   habituation. . exteranl m=tivations

---------- Forwarded message=----------
From: jeffrey E. <jee=acation@gmail.com <mailto:jeevacation@gmail.com> >
Date: Wed, May 6, 2015 at 7:07 AM
S=bject: Fwd: subjects
To: Jeffrey Epstein <jeevacation@gmail.com <mailto:jeevacat=on@gmail.com> >

<=iv dir="ltr">

---------- Forwarded message=----------
From: jeffrey E. <jee=acation@gmail.com <mailto:jeevacation@gmail.com> >
Date: Wed, Apr 29, 2015 at 4:55 PM
=ubject: Fwd: subjects
To: Jeffrey Epstein <jeevacation@gmail.com <mailto:jeevaca=ion@gmail.com> >

=div dir="ltr">

---------- Forwarded messag= ----------
From: jeffrey E. <je=vacation@gmail.com <mailto:jeevacation@gmail.com> >
Date: Wed, Apr 29, 2015 at 4:48 PM

To: Jeffrey Epstein <jeevacation@gmail.com <mailto:jeevacation=gmail.com> >

1. unlike machines   that =urn on when the switch is thrown. . in essece default off. =A0 biological systems are default
on.   they attempt to stay on.=C2 the system of excitaiton and inhibiotn is not dissinmlar from adjust=ng the speed of a
car. to make it go faster.   you can eit=er put your foot on the gas or take it off the brake.   mu=h of the early advances
in medicine and pyschology were during the i=dustrial revolution, when machines were the examples. the body=as a
machine was the way to look and try to figure out what was going on.=C2   hydrualics. for muschle . s cranes joi=s
pulleys. . for psychological issues the machine =nd some of its terms became inbedded in the system.   thinking l=ke a
well oiled machine. input output, , computation, memory, , =A0

the view was that a dream state was turned on wh=n one fell asleep/ the equivalent of going to the movies. =A0 what was on the screen was then analyed , examied fri=htened amiused , it was in a dark enclosed skupp of a room. people w=r able to fly. etc. I think that there is another more b=ologial system explantantion. I postualte that dreams ar= ALWAYS on. running 24 hours a day, one gets to experinc= them when the screen of conciousness drops away, it is that c=nciouness sets a screen in front of the dreams. I takes energy to ke=p the conciuosnes screen continuous, and opaque with respect the dreams.=C2 if conciousess screen starts to fade. we can see b=hind an start to day dream, if we are unable to craft a screen=with no holes we are fine but that takes enerngy and sleep to fill i= the holes. without sleep the holes form and dreams star= poking their way through. schizohrenia is a person not being =ble to distinguish between dreaming and reality. he is walking=in the street but he hears his mother . the neighborhood cat m=ght speak to him. things that everyone experiecens in their dr=ams the schizoid cannot tell the differnece his screen is dama=ed. the dreams behind the conciosness screen are tied to=the emotions., why am i in a bad mood , could be because I am having=a bad dream behind my conciousness screen, a feeling of dread,=, somethin happend in my dream. etc. . it turns out that=schizoeds suffer sleep ailments. sleep deprivation cause= hallucinations. (dreams while awake). the conbci=ousess screen is tied to our senses. run through focus filters. with=a feedback that in some instances are hard wired, aversion , d=nger, , its the acgivity behind the screen that answers the co=pleix quesiotns. the aha moment is when the dream room sends its mes=age to the conciouness room.

2 music , =A0 most animals make sounds. what does music represent. =C2 it is melody prosody, inforamtion both verticaland horizonal.=C2 chords melody. . as it is generated from the brain=can it be reversed engineered and used to probel the workings of the machi=e tha creatied it. . listeing to a flute, and its tonal =uality from the sound analysisi , a long empyt tube can be pos=ualted. but thats only its structure, rythms =are a product of the player not only the structure. do german marche= provide insite into a german mind. is it organized regulaid.=C2 beats that range from 30 - 12 bpm. do afro a=ericnacs. think more like jazz. somewhat off the beat.=C2 (humor. unpredictable movements making it harder for a german to ta=kle down the field. .). why do soldiers mar=h further to music, runners run further. . A=symphonic structure is theme repetition vaitaion on the themes =conclusion. the same dictum given to public speakers. =A0 tell them what you are going to say, say it , tell them wha= you said.

3. mathematics is the search for truth. =A0 algorithms that do not change there result with the passing=of the day. . mathematics stands outside of time. the id=al of a point or line (separte from einsteins measuemrnt issues as the ac=aul measurement is much more diffcult . requiring a beggining and an= end therefore measurement lives in time space. ma=hematics is the search for truth. I postualte that Biology and=biological systems differ from mathematics beacuse it is needs deception t= survive. biological systems only make sense in time space. , =rying to stay away from what is the moment of life or death. . =C2 predator prey. biuoogical systems need free energy=in order to maintain structure dissintegraing from entropy, =A0 eneygy needs to be ingested inorder to fight the slope down to breaking=apart and returning to dust. . getting energy, =A0 the most basic bio requirement. in bio systems howeve= the best way to get energy is either from the sun, a limtied chenical rea=tion or heat gradisent. the energy must come from outside. =A0 the way for systems to gain enery is to eat it. the way not to di= is to eat andnot be eaten. . the game of eat or not be eaten is very soph=sticated what is the entity . the cell . the organ=, the organism . the community on and on. he=rarchila nested systems. at every level decision have to=be made , is it ok to sacrifice a few cells so that the organism can live.=C2 which cells. do they get a choice? how many=C2 when . when the organism is eaten by its predator. how d=d it try to protect itself. camaflouge, surrounding itse=f in junk, mimicryy, misdirection, misinformation. etc.. =qurum sensing game theory, free will, bait, ants, .

</=iv>
4 we have come a long way in surveillance and detecting and =ncoding and decoding communticaions between people between computers, . =A0 we can do this beacuse we can pick out the words in text, embed i= in a grammar space,

we know the language/ =A0 we need to do the same now for biology, what is the l=nguage of the cells. do they communcat with proteins, . what a=e they saying to each other, is teh oanaguage encrypted = does each person have his onw code. is it chemcial or e=ctrical or both. or physical like the shape of the protein fiiting i= a lolck, or

combination of all three. the protein fits. the electri=is fired, etc. does the brain send a message. what does medicine do.=C2 does it fool the receiver the sender. the listener. the =istory of telemommincaiotns intercepts have a long histroy ref=rring to alice and bob that would like to speak to each other, =C2 they encript their messages. so that a listener cannot d= damge. . why not attack the bio language the same way a= speech.   have nsa work on decrypting the dif=ernce in signals from a cancer cell as opposed to a helathy one. we =now that cells send out messages , am i in the right place. =A0 if they get no answer or the wrong aswer they are programeed to c=mmit suicicde. when a foreigner shows up in a neighborhhod tha= is hostile , he is surrounded. killed and moved i=to the trash. he can masquerade as a local. how ca= the other cells tell. can they ask him who won the world seri=s. ? . maybe an equivalent. friend or foe, ? =decoding skills find it difficutl to decipher if there is no repitition =A0 or action that is the result of the message.   the famo=s example separate from heil hitler at teh end of the message (anecdote o= true). to break a code that was recieved from the germans =A0 the allies planed a bomb in three citie all set to blow at teh same tim=,   they thoguth that the word for bank or bomb would be i= the message for the day. . or so the story goes.

money   what is it . is it a mirage that disap=ears when you look too closely,   can you have money without deb=, is it an accounting system. what and whys of itn=rest. was it for small communities. ? with the same currency,=C2 what is the dirrency beteen curency and money,   what is t=e meaing of value,? cost. market. what is a derivative,=C2 futures , stocks bonds, options, converitibles. how doe= trust fit in,   can you have money with no trust. i= each other in an institutuion, , what is credit, is it different th=n money, , social contract. reputation. economics.=C2 . currency exhange, bitcoin, zero knowledge proof. ,

=#39;VAULE WORTH COST

inner state economics. =s outer state ? inner game theory. nested functions. how does =ne balance inner and outer drive. original works of art are a =efit for inner state.   personal art signature from grandfather = if they are proven fake , no reality but huge value change. .=C2 value needs to be from each seat in thehouse. . =A0

if you win the game but violate your princip=ls it is a two dimensaional game , that should have a utility functi=n. it is a two dimeiisonal graph, ? dynamic, does it cha=ge over time. ? no answers. as apart from physics due to=math.

intellignce. ? speed of th=ught . algorithmms empathy, creativity , surivial. . is =t a limited resource, maximizing options, ENVIRONMENT<

</=iv>
distributions, pwer laws. biollogical agents. ne=works. is gravity merely a restoring force. . pareto . zipf,=C2 normal. why are things distributed.   central =imit therom randomness. etfc.

pwe=   physical financilall iontellectaul, politci=l. its uses. dangers getting others to do work, pl=y on the definition. ?

nested is the essecne of l=fe. . memebranes. boundaries. ecxchnagfe across the boundaries .

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<=iv>   please noteerved

</=iv>

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=C2   please note

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