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Sent: Wednesday, April 29, 2015 8:55 PM
To: Jeffrey Epstein
Subject: Fwd: subjects

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From: jeffrey E. <jeevacation@gmail.co= <mailto:jeevacation@gmail.com> >
Date: Wed, Apr 29, 2015 at 4:48 PM
Subject: subjects=br>To: Jeffrey Epstein <jeevacation@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. hydraulics. for m=schle . s cranes joits pulleys. . for psycho=logical 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 experiecents 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=reams 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 horizontal. 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. . listeig to a flute, and its tonal quality from the sound analy=isi , a long empty 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 measuermnt issues as the actual 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 = 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, mimicry, 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 communicaions betw=en people between computers, . we can do this beacuse we can p=c k 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 chemicl or elctrical or both. or physical like=the shape of the protein fiting 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 encrypt 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 difficut 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 recievied 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 =system. what and whys of itnerest. was it for small=communities. ? with the same currency, what is the dirrency beetween c=rency and money, what is the meaing of value,? cos=. market. what is a derivative, futures , stocks bonds, =options, convertibles. 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. ,

intellignce. ? =speed of thought . algorithmmms empathy, creativity , surivial=. is it a limited resource

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 etc.

pwer physical fina=cilall iontellectaul, politcial. its uses. dangers
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=A0 please note

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