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**From:** jeffrey E. <jeevacation@gmail.com>  
**Sent:** Saturday, May 9, 2015 10:39 AM  
**To:** Jeffrey Epstein  
**Subject:** Fwd: subjects

my authority is informed by hidsight, an inner world=like a circlce bounded by consicuousness. a membrabne. seperating it =rom the ouside world. . things move acorss the membrance, =A0 influnecing both . socil physical emoitional rewards. . =A0 sef stimulation. religion.

-----= Forwarded message -----

From: jeffr=y E. <je=vacation@gmail.com <mailto:jeevacation@gmail.com> >  
Date: Wed, May 6, 2015 at 7:07 AM  
=ubject: Fwd: subjects  
To: Jeffrey Epstein <jeevacation@gmail.com <mailto:jeevaca=ion@gmail.com> >

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----- Forwarded message -----

Fr=m: jeffrey E. <jeevacation@gmail.co=>  
Date: Wed, Apr 29, 2015 at 4:55 PM  
Subject: Fwd: sub=ects  
To: Jeffrey Epstein <jeevacation@gmail.com <mailto:jeevacation@gmail.com> >

=br>

----- Forwarded message -----

F=om: jeffrey E. <jeevacation@gmail.c=m>  
Date: Wed, Apr 29, 2015 at 4:48 PM  
Subject: subject=  
To: Jeffrey Epstein <jeevacation@gmail.com <mailto:jeevacation@gmail.com> >

1. unlike machines that turn on when the =witch is thrown. . in essece default off. biological sys=ems are default on. they attempt to stay on. the system =f excitaiton and inhibiotn is not dissinmlar from adjusting the speed of a=car. to make it go faster. you can either put your foot =n the gas or take it off the brake. much of the early ad=ances in medicine and pyschology were during the industrial revoluti=n, when machines were the examples. the body as a machine was =he way to look and try to figure out what was going on. =ydrualics. for muschle . s cranes joits pulleys. . =C2 for psychological issues the machine and some of its ter=s became inbedded in the system. thinking like a well oiled ma=hine. input output, , computation, memory, ,

=he view was that a dream state was turned on when one fell asleep/=C2 the equivalent of going to the movies. what =as on the screen was 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 biological system expla=tantion. I postualte that dreams are ALWAYS on. =A0 running 24 hours a day, one gets to experince them when the scree= of conciousness drops away, it is that conciouness sets a scr=en in front of the dreams. I takes energy to keep the conciuosnes sc=en continuous,

and opaque with respect the dreams. if conciou=ess screen starts to fade. we can see behind an start to day d=eam, if we are unable to craft a screen with no holes we=are fine but that takes enerngy and sleep to fill in the holes. =A0 without sleep the holes form and dreams start poking their way th=ough. schizohrenia is a person not being able to distinguish b=tween dreaming and reality. he is walking in the street but he=hears his mother. the neighborhood cat might speak to him. =A0 things that everyone experiecens in their dreams the schizo=d cannot tell the differnece his screen is damaged. the =reams 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 m= conciousness screen, a feeling of dread, , somethin happend i= my dream. etc. . it turns out that schizoeds suffer =A0 sleep ailments. sleep deprivation causes hallucinatio=s. ( dreams while awake). the conbciousess screen is ti=d to our senses. run through focus filters. with a feedback that in =ome instances are hard wired, aversion , danger, , =its the acgivity behind the screen that answers the compleix quesiotns. =A0 the aha moment is when the dream room sends its message to the concioun=ss room.

2 music , most animals =make sounds. what does music represent. it is melody =A0 prosody, inforamtion both verticaland horizontal. chords =A0 melody. . as it is generated from the brain can it be reversed en=ineered and used to probel the workings of the machine tha created it. =A0 . listeing to a flute, and its tonal quality fr=m the sound analysisi , a long empty tube can be postualted. b=t thats only its structure, rythms are a product of the =layer not only the structure. do german marches provide insite into = german mind. is it organized regulaid. beats that=range from 30 - 12 bpm. do afro americnacs. think =ore like jazz. somewhat off the beat. ( humor. unpredict=ble movements making it harder for a german to tackle down the field. . =A0 ). why do soldiers march further to music, =A0 runners run further. . A symphonic structure is=theme repetition vaitaion on the themes conclusion. =A0 the same dictum given to public speakers. tell them what yo= are going to say, say it , tell them what you said.

3. mathematics is the search for truth. algori=hms that do not change there result with the passing of the day. . =C2 mathematics stands outside of time. the ideal of a point or li=e ( separte from einsteins measuemrnt issues as the actaul measurement is =uch more difficult . requiring a beggining and and end therefor= measurement lives in time space. mathematics is the sea=ch for truth. I postualte that Biology and biological systems =iffer from mathematics beacuse it is needs deception to survive. biologica= systems only make sense in time space. , trying to stay away =rom what is the moment of life or death. . predator prey= biuoogical systems need free energy in order to maintai= structure dissintegraing from entropy, enegy needs to =e ingested inorder to fight the slope down to breaking apart and returning=to dust. . getting energy, the most ba=ic bio requirement. in bio systems however the best way to get=energy is either from the sun, a limtied chenical reaction or heat gradise=t. the energy must come from outside. the way for system= to gain enery is to eat it. the way not to die is to eat andnot be =aten. . the game of eat or not be eaten is very sophisticated =C2 what is the entity . the cell . the organ , the organism . the=community on and on. heirarchila nested syst=ms. at every level decision have to be made , is it ok t= sacrifice a few cells so that the organism can live. which ce=ls. do they get a choice? how many when . wh=n the organism is eaten by its predator. how did it try to protect i=self. camaflouge, surrounding itself in junk, mimicry, =isdirection, misinformation. etc.. qurum sensing g=me theory, free will, bait, ants, .

4 we have com= a long way in surveillance and detecting and encoding and decoding =ommunticaions between people between computers, . we can do th=s beacuse we can pick out the words in text, embed it in a grammar space, =br> we know the language/ we need =o do the same now for biology, what is the language of the cells. =A0 do they communcat with proteins, . what are they saying to each o=her, is teh oanaguage encrypted , does each person have =is onw code. is it chenical or elctrical or both. or phy=ical like the shape of the protein fiiting in a lolck, or combinatio= of all three. the protein fits. the electri is fired, etc. does the=brain send a message. what does medicine do. does it foo= the receiver the sender. the listener. the history of telemommincai=tns intercepts have a long histroy referring to alice and bob =hat would like to speak to each other, they encrypt thei= messages. so that a listener cannot do damage. =C2 why not attack the bio language the same way as speech. =C2 have nsa work on decrypting the difference in signals =A0 from a cancer cell as opposed to a helathy one. we know that cells send=out messages , am i in the right place. if they ge= no answer or the wrong aswer they are programeed to commit suicicde. =A0 when a

foreigner shows up in a neighborhood that is hostile =, he is surrounded. killed and moved into the trash. =A0 he can masquerade as a local. how can the other cells=tell. can they ask him who won the world series. ? =. maybe an equivalent. friend or foe, ? decoding skills =ind it difficult to decipher if there is no repetition or action that= is the result of the message. the famous example separate from heil hitler at the end of the message ( anecdote or true ). =C2 to break a code that was received from the Germans the allies =laned a bomb in three cities all set to blow at the same time, =they thought that the word for bank or bomb would be in the message for the day. . or so the story goes.

money what is it . is it a mirage that disappears when you =ook too closely, can you have money without debt, =s it an accounting system. what and whys of interest. =A0 was it for small communities. ? with the same currency, what is the difference between currency and money, what is the meaning of value,? cost. market. what is a derivative, futures =A0 , stocks bonds, options, convertibles. how does trust fit in,=C2 can you have money with no trust. in each other in=an institution, , what is credit, is it different than money, =, social contract. reputation. economics. . currency exchange, bitcoin, zero knowledge proof. ,

'VALUE =A0 WORTH COST

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

if you win the game but violate your principals it =s a two dimensional game , that should have a utility function. =A0 it is a two dimensional graph, ? dynamic, does it change over time=. ? no answers. as apart from physics due to math. <=div>

intelligence. ? speed of thought . algorithms empathy, creativity , survival. . is it a limited=resource, maximizing options, ENVIRONMENT<

distributions, power laws. biological agents. networks. =A0 is gravity merely a restoring force. . pareto . zipf, normal=. why are things distributed. central limit theorem=C2 randomness. etc.

power =A0 physical financial intellectual, political. its uses. dangers getting others to do work, play on the definition. ?

nested is the essence of life. . membranes. boundaries. exchange across the boundaries .

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please note

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