Binary Groupthink

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Introduction

I have noticed several things recently connected to groupthink, division and violence.

I recently tried to engage some of my friends and friend's friends in discussion to see where the point of difference of opinion are and what techniques could be used to try to learn from each other and explore the issue. What I found was a variety of techniques that people used for avoidance and I was reminded of patterns of behavior that seem deeply embedded in the human condition. I operated from a position of observing myself and observing the others and the discussion process at the same time and seeking to find ways to progress the discussion. In each case the other party simply walked away – avoided any progression – nothing I could say or do (or not do or say? - maybe just silence as a technique) was enough to stop them from walking away.

This is the doubling down and self deception processes that the ABC, feminist media, politicians, magistrates, narcissists and others who habitually ignore obvious things. It is some kind of contained universe of rules, logic, and facts that cannot engage with the multitude of universes which exist outside of the shrinking bubble of certainty.

So where we are now is that communication between humans is degenerating at a faster rate and that the politicians, schools, universities, public service, judiciary, courts and media – particularly the feminist media, politicians and public services are "doubling down" on their certain idiotology.

I try to understand why and how did we get here.

Framework

Group frameworks, nations, schemas, communication**.**

Population

Human groups – groups of humans working together or surviving in groups. Nation states. Individuals within Nations.

Questions

1. What is communication, discussion and debate?
2. What techniques are used and why – biases and blockers?
3. What scientific, historical and philosophical observations help explore these issues?
4. Is war, death and destruction the ultimate consequence of lack of communication – the very starting point for a group Telos?

Initial Conditions

Groups, Nations.

Self reference

All my models so far.

Initial Thoughts

I am biased towards my own models. What I notice is Corruption and all its elements. I also notice models. https://humanistman.com/wp-content/uploads/2020/04/15-Humanism-Corruption-Nation-Choice-Virtue.pdf
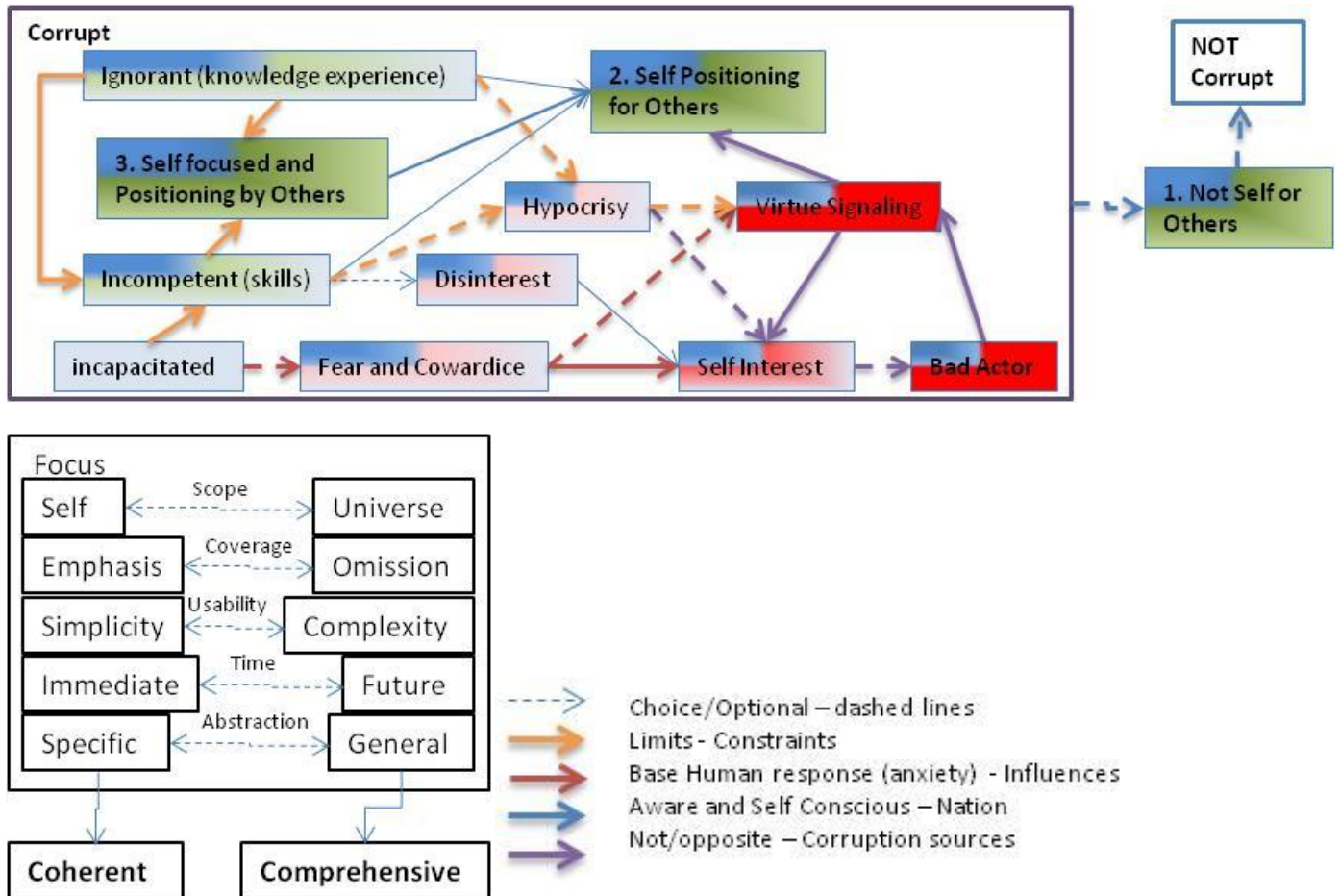
Populations – Averages – Certainty – Choice - Decisions

Don't use averages to make decisions. It is not the fault of numbers that people misuse use them to sway decision making.

Incoherence – structure - gender

Holding two opposing thoughts simultaneously is easier for some rather humans and more difficult for others. Some call this incoherence others all it phenomenology and lived experience. How many incoherent bridges have you seen built? Or computer chips designed by someone who *feels* the design?

I know I speak for all of us when I say ...

I cover many of the corruption techniques in general in https://humanistman.com/wp-content/uploads/2020/01/Corruption-Measurement-and-Implementation.pdf but it is worth illustrating this example as it is common amongst the feminists, politically correct and other extreme idiotologies of the binary type.

This is the standard technique of the binary groupthink and manipulators. The technique goes like this – *"Blacks were mistreated by Whites (think Chess pieces). Hands up who wants to be treated like Blacks? Well you know the problem but have done nothing about it – now do as I say and get on your knees and wash the feet of the blacks."*

So the manipulator – first defines all life as binary groups. This a declaration that refuses all challenges – it is their mostly strongly held belief and hence they are entrenched "twos" stuck in binary thought (about 30% of the population – including lazy threes and bad actors). You are either with us or against us – it's the mob, the tribes, the war, etc.

The main aim of the binary speaker is to control all others, gain profit by way of power, money or virtuous certainty as a path to virtuous utopia and to shape the universe to their design. To do this it helps to pit one tribe against another and incite as much violence and mayhem as they can – this is the way the Greens and other extremists operate. Binary is the definition of extremism in a very well fitted sense.

Once they have established their voice to speak they then tell they crowd which groups they belong to. So when speaking to Whites they say – *I am white as are you so I SPEAK FOR ALL OF US WHEN I SAY* ….

So having declared groups as the "thing to do" and then declared me to belong to the group they declare – then they remove my voice – my right to speak on my behalf and then tell everyone what to do. They boxed me into their group think. So I of course say, *"fuck off bigot and rabble rouser"* in my loudest possible voice but then all the certain bigots, twos, extremists all pile on their virtue – and the mob emerges triumphant.

Some people follow this direction due to the Band Wagon Effect and similar bias – "Well they sound so convincing – I mean just listen to the passion, look at the grumpy mcgrumpface, lots of big words too and self righteousness, there were graphs and numbers, they "*moved*" me, I "*felt*" something – it must be their certain god?, they must know what they are doing, it's a display of some grandeur, a performance of some *notes* – Yes I am convinced – **lets all buy a monorail** – I will buy whatever you are selling – can I go to utopia as well?" (See MMMM MMMM MMMM MMMM by Crash Test Dummies https://en.wikipedia.org/wiki/Mmm_Mmm_Mmm_Mmm)

Salvation is directed by the manipulator – to a**tone** your way to certain heaven – just follow my instructions and realize – as a group – how constantly unworthy you are until all my directions are obeyed – including a lovely shrubbery, some flowers, bread, castle and a lovely permanent stipend, land, all the water and an enshrined permanent voice in all decision making.

"Or I'd rather be a three, a three is an animal …." **Bing Crosby - Swinging On A Star (1944),**
https://www.youtube.com/watch?v=9CDs067081E ,
https://www.lyrics.com/lyric/616577/Bing+Crosby/Swinging+on+a+Star

Would you like to swing on a star
Carry moonbeams home in a jar
And be better off than you are
Or would you rather be a mule

A mule is an animal with long funny ears
Kicks up at anything he hears
*His back is brawny but his **brain is weak***
*He's just **plain stupid with a stubborn streak***
And by the way, if you hate to go to school
You may grow up to be a mule

Or would you like to swing on a star
Carry moonbeams home in a jar
And be better off than you are
Or would you rather be a pig

A pig is an animal with dirt on his face
His shoes are a terrible disgrace
He has no manners when he eats his food
*He's **fat and lazy and extremely rude***
But if you don't care a feather or a fig
You may grow up to be a pig

Or would you like to swing on a star
Carry moonbeams home in a jar
And be better off than you are
Or would you rather be a fish

A fish won't do anything, but swim in a brook
He can't write his name or read a book
To fool the people is his only thought
*And though **he's slippery, he still gets caught***
But then if that sort of life is what you wish
You may grow up to be a fish

A new kind of jumped up slippery fish

And all the monkeys aren't in the zoo
Every day you meet quite a few
So you see it's all up to you
You can be better than you are
You could be swingin' on a star

Also
Next time you're found, with your chin on the ground
*There a **lot to be learned, so look around***
Just what makes that little old ant
Think he'll move that rubber tree plant
Anyone knows an ant, can't
Move a rubber tree plant

But he's got high hopes, he's got high hopes
He's got high apple pie, in the sky hopes

So any time you're gettin' low
'Stead of lettin' go
Just remember that ant
Oops, there goes another rubber tree plant
Oops, there goes another rubber tree plant
Oops, there goes another rubber tree plant ….

The only way to remove group bigotry is to constantly recognize group bigotry

This is the entrenched insanity of the binaries and virtue signalers. You bigots simply don't recognize bigotry. More formally it is the initial self-reference point – usually the self. I.e. essentially babies, binaries, self, etc.

*I am **piggy** hear me roar, in numbers too big to ignore … **I can do anything**, I am strong,(Strong),I am invincible,(Invincible),**I am piggy***

Tension and bounce – Large Incremental Change

Utopian dream repression, Totalitarianism, laws, elimination of variation, dogma – chaos, crime, breakout – return.

Toaism – does not show the timeline Saw blade , increasing pressure, chaos, 5 , probability – avoiding chaos but breaking out is the challenge – is war necessary? Guillotine? Re-birth (children) – renewal – fat controller. Smug certainty

The constant battle for certainty – infinite – how does it look?

Tensor https://en.wikipedia.org/wiki/Tensor *Tensors are important in physics because they provide a concise mathematical framework for formulating and solving physics problems in areas such as mechanics (stress, elasticity, fluid mechanics, moment of inertia, ...), electrodynamics (electromagnetic tensor, Maxwell tensor, permittivity, magnetic susceptibility, ...), or general relativity (stress–energy tensor, curvature tensor, ...) and others. In applications, it is common to study situations in which a different tensor can occur at each point of an object; for example the stress within an object may vary from one location to another. This leads to the concept of a tensor field. In some areas, tensor fields are so ubiquitous that they are often simply called "tensors".*

Einstein Tensor https://en.wikipedia.org/wiki/Einstein_tensor *"Thus, another name for the Einstein tensor is the trace-reversed Ricci tensor. This n = 4 case is especially relevant in the theory of general relativity."*

*Stress–energy tensor* https://en.wikipedia.org/wiki/Stress%E2%80%93energy_tensor

Four-momentum https://en.wikipedia.org/wiki/Four-momentum

So let's pretend one-day someone gets close to working out everything. They might hypothesize the predictors of chaos using tensors, measurements of things and formulas (heart attack machines, communications devices already do this in a *just in time* way).

But in the meantime let's imagine an hypothesis which might look a bit like the following. First the basic graph of difference – notice how the out group is constantly demonized and the elites and in group get less and less consequences for their bad group behaviors. The feedback loop is – as the elites and the in-group become more and more corrupt they have to stomp down on the out group harder and harder – keep leaning on their necks , removing their rights, removing rights to fair trial, etc – all the time claim more and more "virtue" and self-righteousness for themselves. It's a binary process – of several binaries grouped (happy grouped binary thinkers) together against the "others".

Where Responsibility and Consequences emerge
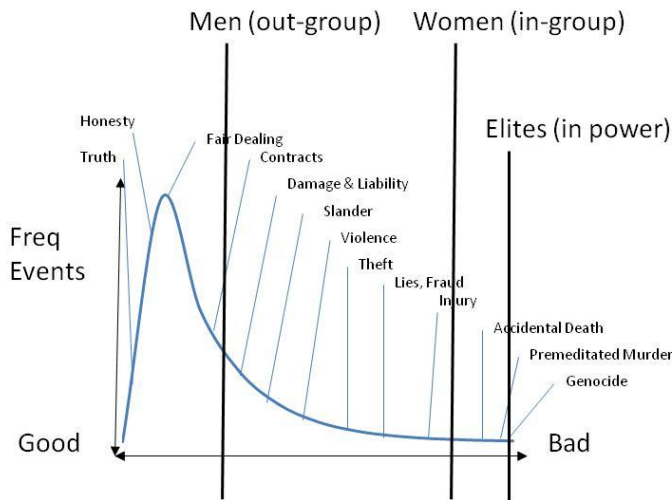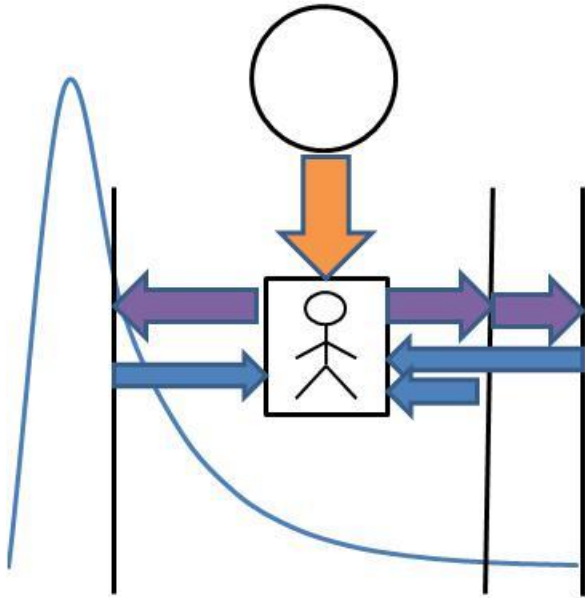
As the universe feeds choices - the corrupt choices tend to push the out-group further away and the in group further away. The Elites then corruptly push themselves further away from the in group.

The Middle groups want the out-groups to be closer to the middle and the in groups to be closer to the middle as well of the elites. **Binary thinkers tend to choose only one of the arrows and concentrate on that** – put out-groups further away or move in-groups closer - they **don't tend to see it as a combination of things or a balance**. When these distances get too great – they come under tension – like tensors and things can snap very quickly. When things snap large amounts – a higher frequency of Bad things happen very quickly all over to all humans – groups get dissolved and reduced to a mass of chaos – like a quark soup until things start to coalesce again.

Rapid Collapse to high frequency Bad
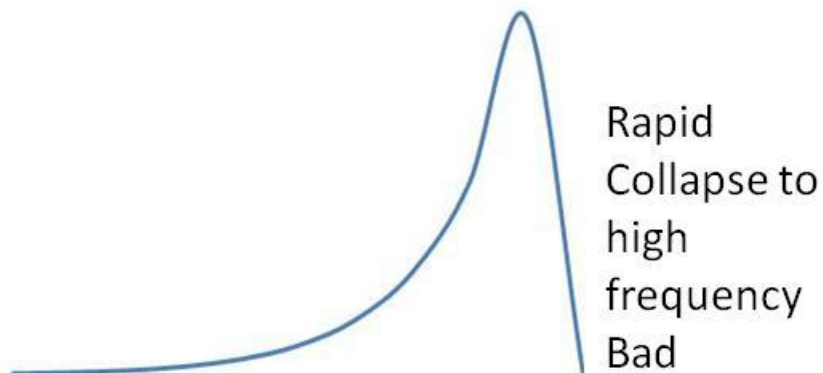
Anecdotes of Insanity - Examples

Australian political parties lately made speeches about how "small minded" the "others" were.

Also while a prime minister was on holiday but fires were raging – politicians come out to say "everyone is entitled to take a holiday but the prime minister needs to be here".

The A.B.C. in a gotcha antic against a politician - while asking for more funding for the A.B.C. - said "we save lives".

Other papers – mainly dominated by feminists and feminist thinking are now using this as a standard meme for pleading for funding "we save lives".

So imagine if you went to a mechanic who fixes cars and he pleaded for your business by saying "we save lives" and another mechanic said "we have highly trained and experienced humans who are keen to do a good job and stay up to date with the best technology and understand and we are committed to learn and grow" – which one would you choose?

Why not fund a national broadcaster who doesn't JUST SAY (by way of advertising) "you can trust us, we are fair and balanced" – but actually demonstrates the highest levels of unbiased and journalistic integrity?? Funding a "Compliance" body to keep an eye on journalists – has not worked.

The Virtue signaler who with breathtaking hypocrisy claims the lives "THEY SAVE" while NOT PROCLAIMING CONSTANTLY "WE ONLY KILLED 10 PEOPLE LAST YEAR – and we are IMPROVING".

So this is the level of pervasive insanity in all the public services, politics, law, media, universities, police, courts, judiciary, etc. It is not just incoherence – it a complete denial of any logic or coherence – it is only self and virtue – usually accompanied with smug smiling happiness at their virtue and surrounded by like minded idiotologists offering up candle lit vigils to their own greatness.

This ability to ignore one side of an idea or hold two opposite ideas equally – is the basis of insanity.

"Coal is both Good and Bad" – and then virtue signal in both directions at the same time depending which electorate you are in – in other words parade your insanity and incoherence – you willingness to compromise your integrity, nobility, character, self worth, self respect, coherence – merely to claim virtue – to buy someone's vote – to show in full display how corrupt you are – how willing to be bought and controlled by whatever the mob demands of you , or the money , or the rich – to show how utterly unworthy you are to have any decision making role for the group at all. Your love of swill.

With the media – of course – this entrenched binary incoherence drives their day to day agendas – "whose lives have we saved today?"

This might better be replaced by a media which seeks to inquire, examine, think and question in a less restricted, biased way so they can discover things of interest to their readership – not just salacious gossip, outrage and virtue signaling tedious patterns of the Fat , Dumb and Lazy. A good question is worth more than 1000 frame-ups and gotcha moments - **or is it?**

You're a white man and a bigot and bigotry is bad. So I need to say that bigotry is both bad and claim that you are white (as a display of my entrenched bigotry) – so I am both being good and virtuous by claiming you are a bigot and not bad or wrong by me being a bigot and claiming you are white.

And so the binary insanity continues with the twos.

So when the politicians learned the idea of "small minded" as a criticism they thought they had discovered something important. Like babies learning to walk – how proud babies are – it is pure joy of discovery. But then babies learn to learn and hopefully become developing adults.

So unaware of what saying "the others are small minded" means they hammered the point with smug certainty of their own "minds". Now the question becomes – what do you mean "small minds" exactly – what are you talking about – apart from the penis jokes which the lesbian feminists and other man haters in politics seem to enjoy? This lack of introspection or even self-awareness is understandable in children – but they learn and grow. Where did these politicians come from? As soon as you call someone "small minded" you are immediately demonstrating your own point? Don't you get it? Why don't these humans understand? Are they stuck in binary thinking?

Focus model – cherry picking – the value of a good question.

Embrace uncertainty, probability, opportunity.

What is insanity? Is it just incoherence – this holding of two opposite views simultaneously ? Is it a fixed binary narrative – they can never make it to threes?

Let us examine this binary groupthink a little more – A feminist politician is one who acts on behalf of feminists, same with board members, lawyers, judges, magistrates, legislators, etc. They act on behalf of their group alone – using the "piggy" narrative – we are the deserving ones – the special ones. Special victims, special heroes, special two feet walkers, special endowers and bestowers of virtue, etc. See the discrimination legislation of Australia to see how "special" has been enshrined as a concept – soon to be permanently special – for which every binary group grabs control.

So - the Feminist philosophers don't study the philosophy of feminism as such – they study philosophy from a feminist perspective. ANU Feminist researchers – don't research feminism – they research everything from a feminist perspective – how to serve the "Cause" of feminism in the research arena. How to make the world fit feminist dogma. The folly of a ship of fools. The shared delusion. https://archive.org/details/Michel_Foucault_Madness_And_Civilization/page/n23/mode/2up

Feminist thinkers don't study feminists who think – they study thinking from a feminist perspective. – Same for media, universities, schools, politics, boards, etc.

So let's examine Nazi Lawyers – they don't study nazi law – they study law on behalf of nazi dogma – same with feminist lawyers, feminist researchers, feminist policy makers, feminist teachers, nazi judges, nazi, legislators, nazi governments and on it goes.

Now as full binary tribes using public money to act on behalf of their cause they proudly display the signs tattooed on their foreheads as a smugly proud indication of exactly how binary they are. They become politicians, board members, media zealots, university self declared professors, researchers, etc.

Then all these binarys congregate in groups of binarys – arguing amongst themselves about who is the best binary – with always the "others" being on the opposite side of them. After some time fighting, sort, rank ordering, grouping, etc – some of them emerge as threes. See - *Evaluating Humanity – A model for assessing human works. An exploration of the numbers from 1 to 5* https://humanistman.com/wp-content/uploads/2020/06/Evaluating-Humanity.pdf

Groups cannot trust binary thinkers. They will choose to do whatever they want whenever they want – they undermine the very concept of group and hence a group Telos. Their existence is a constant reminder of why a group Telos exists – without this reminder **we would forget**. **NEVER ELIMINATE, TEAR DOWN OR OBLITERATE THE REMINDERS** – or we will just have to start all over again.

Questioning the Question

What is the first question.

Don't become a Greek philosopher stuck in an endless loop.

Know where you are framing and why and be able to justify it from a non-corrupt position.

Delusion – group and self

Mass delusion is real thing. It exists and we have seen it exist many times. It is not amazing - Ask James Randi.

It is called not noticing, not questioning, failing to see what's going on complacency, fat, dumb, lazy, etc.

Avoidance of Complexity, uncertainty, probability, zero, infinity and the paradox, recursions, self reference – the most certain thing is uncertainty itself.

One Thing I Know With Absolute Certainty is Absolute Certainty Does Not Exist
https://humanistman.com/wp-content/uploads/2019/07/Absolute-Certainty.pdf

Vain Glory – Envy – Beggar - Corruption

In previous correspondence with politicians and others I introduced a story about gifts. It was only one sided so now if have to tell the whole story from two sides at least.

On side is the beggars clamoring for more stuff by becoming more worthy – the other side is the vain asking people to debase themselves so they can feed their virtuous superiority by giving them stuff – but only if they admit they are lower than the virtuous ones. Between the two is a human dilemma – the human condition.

Charles Dickens wrote many books – including Christmas story to pose many questions. Was Scrooge miserly – good, bad or otherwise? Is begging necessary, socialism is the answer to everything? Was Fagan bad for getting kids to steal to keep them alive. Was the poorhouse a good thing? Is wealth the price of independence but then - who is not in some way indentured to someone else?

Should beggars be organized like the wealthy? Should hierarchies be developed within the wealthy class and the begging class? The wealthy should give it all away? Is a beggar master who cuts off a child's finger or hand or otherwise maims them so they can seem more worthy and thus earn more money for themselves and the beggar master's group – to keep them all alive a bit longer – be judged as the devil?

Around the Colosseum it's the gypsies – the children with the mama's in the back streets on lookout and collecting the day's takings, around the streets of San Diego (its warmer there) it's the educated out of job men looking for donations to establish a men's shelter, in Beunos Airies around Aguero and Recoleta it's the dead drunk men and women lying face down in vomit and despair on the pavements in the early morning and with luck the dogs don't piss on them – but do the dog walkers? – all the time while gated communities fester and grow (Eva Peron – "Let them se Opera"), in Punta del Esta in Uruguay its the vast holiday homes maintained by the Maldonado residents on the other side of the street. In Paris its the humans pissing and shitting themselves on the trains they slept in overnight because it was too cold or the toilets were locked, in Australia in all the cities its those huddled down with cardboard against the cold in the doorways, parks, alleys and the old man in Canberra I often saw at 3 a.m.in the doorway of the building – trying to stay alive in the middle of a Canberra winter - as I sometimes went to work to get more done – while the casino was emptying itself of those small business owners, highly paid athletes and nouveau rich who had pissed up their money all night – clutching his documents and plans he had developed while talking to himself and being ignored - hoping to tell the government what to do to make a better world - its in the Australian outback – Alice Springs, Cairns, settlements, communities and suburbs – sitting around drunk all day - it's the drugs, lack of challenges and opportunities – a chance to be part of something other than self – to be valued respected and enjoyed along the way – without the elite constantly looking down on you and *boxing you in*. In New York it's the hell's kitchen at late night or London in nowhere in particular, Africa, Asia, Europe, etc.

Lady Macbeth: – the bastardry of humans is sometimes turning a blind eye but it is the deliberate lying, and running propaganda campaigns – conspiring to kill people by the law or other means – throwing away humanity because selfish personal need justifies all actions which results in the Lady Macbeth dilemma. No amount of virtue signaling to the past improves anything done in the present. No amount of largesse washes the blood off any hands - the self deluded create a universe where they can atone with virtue while not changing what they do on a day to day basis to others around them – or taking responsibility and accountability for the choices they make every day – like all of us do - living like humans and not like gods.

While many know that virtue signaling is wrong and the people stuck in virtue are causing problems in society – they struggle to identify exactly how. Especially when all the smug, smiling, superior, vain, etc virtue signalers (to their **certain gods**) are all patting themselves on the back and looking down on the others – those who everyday deal with reality of human existence and bear the responsibility and

accountability for humanity itself. Turning a blind eye to the world while rewarding yourself and your selected victim class – is a strong pattern of entrenched human condition for those stuck in virtue and unwilling or able to explore humanity and appreciate the wonder of the world and all the possibilities. Many have tried to explain, show, lead, encourage with limited success. But it does not mean we ever stop trying.

Parable of the Pigs

Once upon a time there were pigs who managed to walk on two legs. How proud they were and they saw themselves as far superior to other farm creatures. They told the other farm creatures how small and low they were compared to the mighty and clever pigs. After repeating this many times some creatures believed them and offered up some of the best swill they had worked hard for so that some of the glory of pigdom should wash off on them – that the pigs would respect them and therefore put them above the other lowly farm creatures but still below the pigs. These special creatures grew in number and did more jobs like media, police, courts, legislators, farm bosses, bankers, boards and many other machinery all working for the pigs which got their swill and adoration from these superior farm creatures. They got extra swill by demeaning themselves to the pigs and demanded that the other farm creatures genuflect (which was difficult because many of the creatures were already on four legs and lower and had very little room or ability to genuflect much lower).

Word spread about the greatness of these pigs – they had legalized drugs – so they could smoke dope all day – they flung swill around to those they deemed worthy until their following grew – as long as the "others" did not do anything to change things the special ones were complete and full of themselves.

Some other pigs from another farm come over and said – "we are pigs who walk and control the others – who are so far below us – as well. But we are different – we are just pigs in pairs and all our pairings are special we have pairs of lesbian pigs, gay pigs, black pigs and so on and they all form pairs together – like long queues – like some of the lesbian pairs are superior to the other lesbian pairs and same with the black pairs – but we let them sort it out in their groups – they order themselves in line when the swill is dished out – because – after all we are all pigs and far superior to the others on the farm."

So the arse lickers who were willing to demean themselves and maintain the pig's delusions eventually became a law unto themselves. They built up the universities and declared themselves "professors" and charged lots of swill to tell others how to be, the media constantly re-enforced the superiority of themselves and how vital and "special" they were to the whole system that the pigs had built up and found more and more ways to not only keep the other animals in their place but keep the pigs in their place as well, so too with courts, lawyers, boards, banks, police – as long as the swill kept flowing. All the time snickering at how deluded the pigs were and becoming accustomed – like the pigs - to the comfort of delusions, control, etc – as long as they were superior to someone – as long as they could lord it over someone.

Then the pigs walked around the farm declaring how great the pigs were and bestowing swill on those willing to accept their assertion. Then the others all fought for the swill and competed against each

other in worthiness until the most tribal, group identified, race based, broken, skin coloured, feminist, special, maimed, culturally appropriated, non binary, complex, bigoted, victim, etc farm creature **invoked the most DEHUMANISING pity that the pigs could possible bestow –** and was celebrated by other victims for their success at victim hood. The king of all victims.

Then the tigers moved in.

This is just a story – its more complicated than this – there are infinitely more variables and extremes on continuums - but this shows the feedback loops to extremes – while the bulk of humanity wades it's way through all the muck of life on a daily basis, bumbling along as best we can, making mistakes, learning, etc – every now and then extremists come along and claim to know everything and tell everyone else what to do – *our way or the highway*.

Learning – Mandelbrot Set - uncertainty

In 1980 I was just early in my career ABS in Canberra as we moved from paper tape mainframe computers to desktop computers. Mandelbrot discovered fractals in math and we all tried it out on work and home computers – what was going on?

https://mathworld.wolfram.com/MandelbrotSet.html
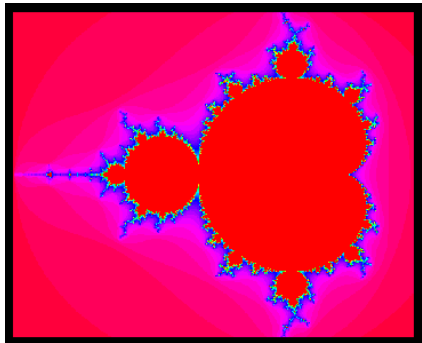
Many people have spent a lot of time since trying to understand what it means.

In those days what I thought I was seeing a defect in the math chips of computers – some kind shared delusion flaw in the design. So I wrote out the calculations by hand, one by one until I saw what happened. I was amazed. I did it again and again by hand until I had reached the limit of my understanding and just had to accept that it was real – I wasn't insane – nor thankfully were the mathematicians and computer manufacturers. This helped shaped my mind and gave me some idea of chaos and uncertainty that exists in our shared universe. I was happy to leave it as an unanswered question – with verification of some structures which seem to work.

Later came the notion that not only in this structure of math lies these patterns and chaos but also some variables of the universe – the starting point and constants – we seem to move around this structure and will sometimes be in what seems to us to be very stable places and at other times will dive into strong areas of chaos and uncertainty. Since then – mainly driven by the profit motive – huge supercomputers have been built to explore where exactly our universe or sub-universes are approaching

the more chaotic parts of this structure (and variations of) pattern – weather, stock markets, medicine, virus transmission, communications, health, marketing, transport, etc.

Benoit refused to discard the anomalies which seemed to go against well established rules and formulas – anomalies mean something – a chance to explore and discover. Imagine if science was run by feminists, Nazis, communists or other totalitarian dogma certaintists? Anomalies don't exist – nothing to see here – its all for the virtuous cause – the cause is correct the anomalies need to be stomped on, eradicated, have their necks squashed, shouted down, - the feminist framed studies show the correct figures, the communist state figures are the official ones, the cherry picked virtuous figures are the correct ones – lies, etc – and permanent ignorance of the universe for the sake of certain causes, reputations, greed and corruption. **NOTHING TO SEE HERE** - **WHO DARES TO QUESTION.**

Fractals confirm a binary direction and choice – negative numbers and positive numbers are validated. What I find is a lot of similarity between models and ideas – Einstein's field equations, Euler's identity, fractals, di gamma function, Fisher and probably many others – at the heart of it is choice in tension with uncertainty/probability. The uncertainty comes from the power law function in combination with choice. We have to observe the chaos to choose. Fractals have initial conditions, constant and a power law function – same as Einstein, Euler, di-gamma – etc. We have no way of knowing exactly where we are or what the constants are or what the functions are – but we see the pattern. We can hypothesize explore and build some certainty and then continue to build.
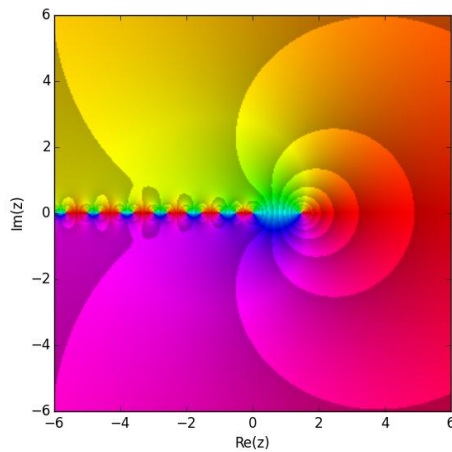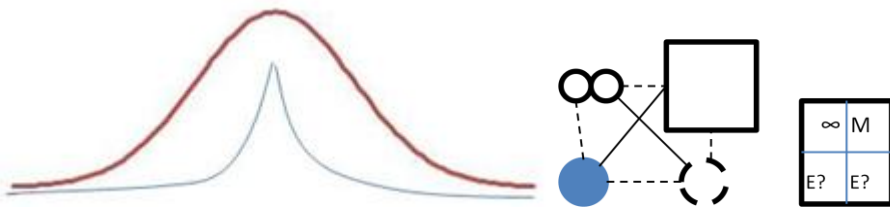
https://en.wikipedia.org/wiki/Digamma_function By Empetrisor
- Own work, CC BY-SA 4.0, https://commons.wikimedia.org/w/index.php?curid=40788200
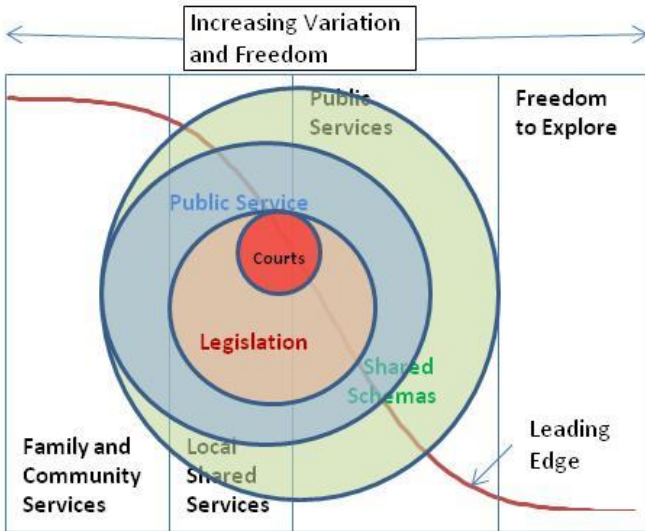
https://www.pexels.com/photo/photography-of-barrel-wave-1298684/ **by Emiliano Arano**

50 years of abuse of men and running a constant victim narrative

The cold war periods of history always seem to be dominated by a constant negative narrative. In the last fifty years women have run a feminist victim entitlement narrative and dragged any other victim group identity along with them. At the same time they have hammered home their blame, divisions and constant hatred of others in schools, universities, media, public service, politics, legislation, courts, police, charities and every part of society they can infest. (*Arthur Miller's -The Crucible - is worth a read.*)

Its not unusual .. it happens all the time.(Tom Jones) https://en.wikipedia.org/wiki/It%27s_Not_Unusual

Humans-Women have always been willing to sacrifice their sons - sons have been willing to be sacrificed. This is a constant theme.

When some activists say "Kill all men" they are simply expressing what some women feel but are too afraid to say – because if they were actual adults instead of meek constant victims needing a hero

protector they would speak out and state clearly – "yes Kill all Men" or "NO THAT SEEMS WRONG". So they, and weak men, do nothing.

We (Humans) ought/have to call out what is wrong and try to improve things – my hypothesis is that it is not a BINARY thing i.e. it is always more complicated that you think and that falling to binary thinking is the path to war. Group think, tribes, etc.

So the Hero-Victim Narrative has become the virtue signaling default for binary thinkers and group think. The victim is the woman/child and the hero is normally the adult male – but it also represents certainty – "please give me certainty and save me from this endless choice and uncertainty". So the hero is the Mass, The Structure, Deliverer of Death to Danger, Knee on the neck, etc. The Victim is all of humanity surrounded by chaos.

Every new thing or "other" that comes along is a potential perpetrator, villain - not part of "us". Essentially it is driven by fear of exploration, discovery and learning, making mistakes, being hurt, taking risks, etc. If this thinking dominates then totalitarian Feminism, Nazism, Communism, Fascism, Certainism and other extreme idiotologies take hold. It is almost impossible for me to argue for sensible balance without some idiotologist from the binary thinkers **taking certain hold of that flag** and running with it.

I encourage some people to go to threes, fours and fives – but we all have to communicate with each other because **we are all essential to the mix of humanity**.

Old Men - trying to help – harmony/sustainability - Bertrand Russell's 10 rules and other models

A Liberal Decalogue :Author(**Bertrand Russell**) :Year(1951) :Keyword(Group Development Philosophy)
https://www.brainpickings.org/2012/05/02/a-liberal-decalogue-bertrand-russell/
https://www.panarchy.org/russell/decalogue.1951.html
http://userpages.bright.net/~dclose/10command-phildef.pdf

Perhaps the essence of the Liberal outlook could be summed up in a new decalogue, not intended to replace the old one but only to supplement it.   The Ten Commandments that, as a teacher, I should wish to promulgate, might be set forth as follows:
*1. **Do not feel absolutely certain of anything**.*
*2. Do not **think** it worth while to proceed by **concealing evidence**, for the evidence is sure to come to light.*
*3. **Never try to discourage thinking** for you are sure to succeed.*
*4. When you meet with opposition, even if it should be from your husband or your children, **endeavour to overcome it by argument** and not by authority, for a victory dependent upon authority is unreal and illusory.*
5. Have no respect for the authority of others, for there are always contrary authorities to be found.
*6. Do not use power to suppress opinions you think pernicious, for **if you do the opinions will suppress you.***
7. Do not fear to be eccentric in opinion, for every opinion now accepted was once eccentric.

*8. **Find more pleasure in intelligent dissent that in passive agreement**, for, if you value intelligence as you should, the former implies a deeper agreement than the latter.*
9. Be scrupulously truthful, even if the truth is inconvenient, for it is more inconvenient when you try to conceal it.
10. Do not feel envious of the happiness of those who live in a fool's paradise, for only a fool will think that it is happiness.

Bernard Lonergan https://en.wikipedia.org/wiki/Bernard_Lonergan *Lonergan wrote Insight: A Study of Human Understanding, inaugurating the **generalized empirical method** (GEM). GEM belongs to the movement of "transcendental Thomism" inaugurated by Joseph Maréchal. This method begins with an analysis of human knowing as divided into three levels – **experience, understanding, and judgment** – and, by stressing the objectivity of judgment more than Kant had done, develops a Thomistic vision of Being as the goal of the dynamic openness of the human spirit.*

Jordan B. Peterson - **12 Rules for Life: An Antidote to Chaos**
12 Rules for Life: An Antidote to Chaos :Author(**Jordan B. Peterson**) :Year(2018) :Keyword(Group Development Humanism) https://www.jordanbpeterson.com/
https://www.amazon.com.au/12-Rules-Life-Antidote-Chaos/dp/0345816021 ,
https://en.wikipedia.org/wiki/12_Rules_for_Life *Outline of the book:[4]*
  * **Stand up straight with your shoulders back**
  * *Treat yourself like someone you are responsible for helping*
  * *Make friends with people who want the best for you*
  * **Compare yourself** *to who you were yesterday, not to who someone else is today*
  * *Do not let your children do anything that makes you dislike them*
  * *Set your house in perfect order before you criticize the world*
  * **Pursue what is meaningful** *(not what is expedient)*
  * *Tell the truth – **or, at least, don't lie***
  * **Assume that the person you are listening to might know something you don't**
  * *Be precise in your speech*
  * *Do not bother children when they are skateboarding*
  * *Pet a cat when you encounter one on the street*

Chris Argyris :Year(1923-2013) :Keyword(Learning) https://en.wikipedia.org/wiki/Chris_Argyris
https://infed.org/mobi/chris-argyris-theories-of-action-double-loop-learning-and-organizational-learning/ https://hbr.org/1991/05/teaching-smart-people-how-to-learn
https://en.wikipedia.org/wiki/Chris_Argyris

LADDER OF INFERENCE

Instead of jumping to "CONCLUSIONS," analyze and test the assumptions, meanings, selected data & observations that created them

ACTIONS — Take actions based on our beliefs

BELIEFS — Adopt beliefs based on our conclusions

CONCLUSIONS — Draw conclusions from our assumptons

ASSUMPTIONS — Make assumptions based on our meanings

MEANINGS — Add meanings to selected observations

SELECTED DATA — Select from observations

OBSERVATIONS

INFERENCE

Reflexive loop: our beliefs tend to affect what data we select next time

POOL OF OBSERVABLE "DATA"

Model by Chris Argyris (1923–2013)

Smith, M. K. *(2001, 2013). 'Chris Argyris: theories of action, double-loop learning and organizational learning',* **The encyclopedia of pedagogy and informal education**. *[https://infed.org/mobi/chris-argyris-theories-of-action-double-loop-learning-and-organizational-learning/ . Retrieved: 24/06/2020]*
https://infed.org/mobi/chris-argyris-theories-of-action-double-loop-learning-and-organizational-learning/

"..In other words, given or chosen goals, values, plans and **rules are operationalized** *rather than questioned. According to Argyris and Schön (1974), this is* **single-loop learning**. *An alternative response is to* **question to governing variables themselves, to subject them to critical scrutiny**. *This they describe as* **double-loop learning**."

Resilence https://www.resilience.org/about-resilience/

The articles section of this site is maintained by three editors: **Kristin Sponsler** *and* **Simone Osborn** *in Bristol (UK), and* **Bart Anderson** *in California (US).* **Adam Grubb** *(writing as Adam Fenderson) and* **Liam**

Cranley of Melbourne, Australia, founded Energy Bulletin in 2004. In January 2009, Energy Bulletin was adopted as a core program by the Post Carbon Institute and in 2012 relaunched as resilience.org. Except for PCI, resilience.org is unaffiliated with any private, government, or institutional body.

The Adaptive Cycle

source: Holling, Gunderson and Ludwig, In Quest of a Theory of Adaptive Change, 2002
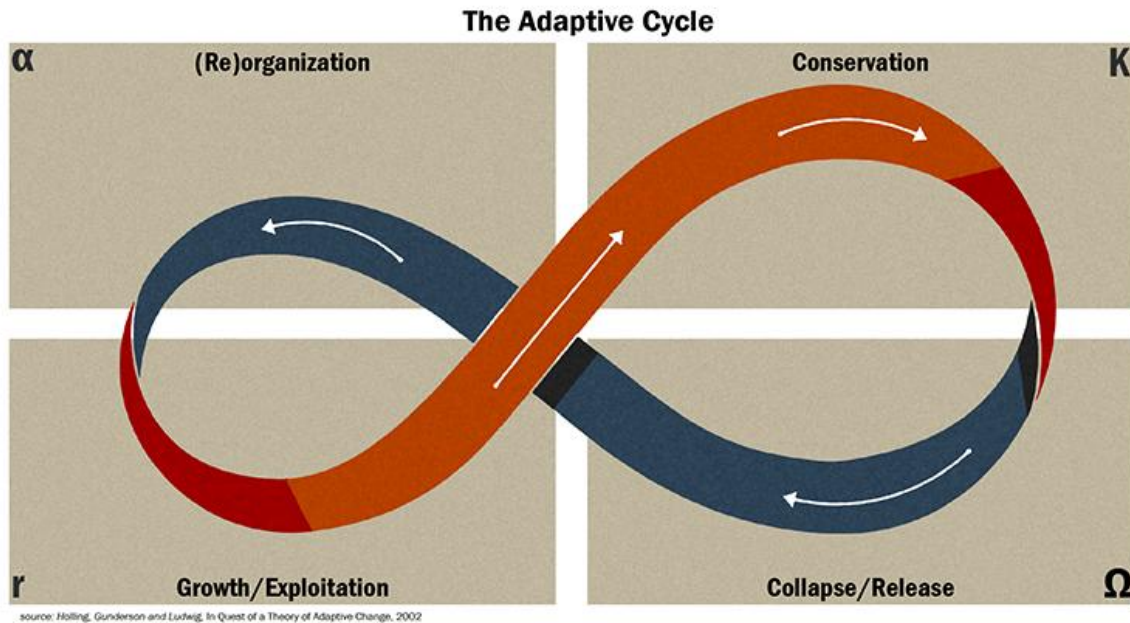
I like this model because of the 4 boxes, the flow and similarity to my models – while not exactly the same. The collapse/release is the choice to add or divide (break up) – the re-organization is the chaotic input from the chaos engine.

We weave backwards and forwards between structure and certainty and phenomenology – male/female (for the groupthinkers, feminists ,etc) on average tendencies – and this needs to be balanced. Thinking humans of their time are looking backwards to messages of the past and trying to make sense of them. In many ways they were exploring the meaning and trying to make sense of things – but they did it with an attempt to have an open mind – to be a free thinker – to question. The ones who tried - didn't re-write history, tear down statues, burn books, dismiss authentic writing – people who had written with real intent (write in blood) to tell the story and state their observation – not as a autobiography of grandiose endeavor – but as humans noticing and discovering life; not as Nazis, Feminists, Communists, Fascists, Totalitarians, Victims, Heroes or the other types of certaintist – determined to conform the world to the smallest possible constraints of bounds and choice so their overtaxed mental and physically limits are not challenged and they can settle in to the FAT DUMB and LAZY existence and a nihilistic certainty of death.

Of course the tendency is to over-react to the dominant narratives of the past – to tear everything down and start again – but somehow we have learned to settle into a harmonic tension of disagreement and agreement – like a nice sign (sine) wave – but this wave can be subject to stress and change – as it should/ought be – if only to **remind us of the things which are useful and dangerous.**

SURELY THERE IS SOMETHING MORE TO LIFE? – YES - THAT'S THE POINT!

The certain idiotologists – so desperate for THE ANSWER (42) – grab the words, messages, ideas from anyone they can find (Marx, Husserl, Socrates, etc – THEY ARE ONLY MODELS – these humans did not ask the rest of humanity to certainly make the universe in their image) and use their power, influence and certainty to shape the world exactly how they think it should be – meanwhile inflicting certain death to humanity and anyone who dares to stand up to question, to ask, to explore, to investigate, to EVEN LIVE – something other than their utopian, nihilist, dogma and idiotologically driven human agenda.

Recent Explorations
Einstein, Models, Narratives

Recent People
Charles Dickens :Year(1812-1870) :Keyword(Tale) https://en.wikipedia.org/wiki/Charles_Dickens
http://www.dickens-online.info/a-christmas-carol.html http://www.victorianweb.org/authors/dickens/

Benoit Mandelbrot :Year(1924-2010) :Keyword(Maths Fractals Chaos)
http://mathworld.wolfram.com/MandelbrotSet.html https://en.wikipedia.org/wiki/Benoit_Mandelbrot
https://www.ted.com/talks/benoit_mandelbrot_fractals_and_the_art_of_roughness/transcript?language=en

Recent Messages
*'NOW, what I want is, Facts. Teach these boys and girls nothing but Facts. Facts alone are wanted in life. Plant nothing else, and root out everything else. You can only form the minds of reasoning animals upon Facts: nothing else will ever be of any service to them. This is the principle on which I bring up my own children, and this is the principle on which I bring up these children. Stick to Facts, sir!'' :Author(**Charles Dickens**) :Year(1854) :Source Document(**Hard Times** CHAPTER I - THE ONE THING NEEDFUL) :Keyword(Development Certainty Group)* http://www.dickens-online.info/hard-times.html
http://www.gutenberg.org/ebooks/786

*'**Out, damned spot!** out, I say!--One: two: why,*
then, 'tis time to do't.--Hell is murky!--Fie, my 40
lord, fie! a soldier, and afeard? What need we
*fear who knows it, **when none can call our power to***
*account?**--Yet **who would have thought the old man***
*to have had so much blood in him**.' :Author(**William Shakespeare**) :Source Document(**Macbeth** ACT V SCENE I Dunsinane. Ante-room in the castle.) :Keyword(Development Choice Individual)*
http://www.shakespeare-online.com/plays/macbeth_5_1.html
http://shakespeare.mit.edu/macbeth/macbeth.5.1.html

*'**If you think you know the answer - you have not asked the right questions**' :Author(Jonathan Pearson) :Year(2020) :Keyword(Development Certainty Group)*
*'**if you think you know the right questions - you don't understand what a question is**' :Author(Jonathan Pearson) :Year(2020) :Keyword(Development Certainty Group)*

*'If I had an hour to solve a problem and my life depended on the solution, I would spend the first 55 minutes determining the proper question to ask… for once I know the proper question, I could solve the problem in less than five minutes.' :Author(**Albert Einstein**) :Source Document(not verified) :Keyword(Development Choice Individual)* https://amorebeautifulquestion.com/einstein-questioning/ https://en.wikiquote.org/wiki/Albert_Einstein

Many sayings attributed to people tend to be paraphrased and thus (spaken) become a meme – but sometimes they miss the nuances and become slightly corrupted. There are many quotes attributed to Einstein but each requires some more context and maybe even the actual words used – so a more full meaning can be extracted. Hence the book, the narrative, the story – all have sayings within them – but like Stephen Wolfram's hypergraph patterns – they are not certain, complete or understandable without a broader context which exists to infinity (or longer).
https://www.edge.org/conversation/stephen_wolfram-computation-all-the-way-down .
I can't just keep repeating 42 to every question – I have to engage in some communication and discussion – maybe some exploration of the questions with a like minded explorer over a glass of beer in the bar by the window overlooking the street as I notice people walk by.

'It is, in fact, nothing short of a miracle that the modern methods of instruction have not yet entirely **strangled the holy curiosity of inquiry***; for this delicate little plant, aside from stimulation,* **stands mainly in need of freedom***; without this it goes to wreck and ruin without fail. It is a very grave mistake to think that the* **enjoyment of seeing and searching** *can be promoted by means of coercion and a sense of duty.' :Author(**Albert Einstein**) :Year(1949) :Source Document(Autobiographical Notes **A Stubbornly Persistent Illusion***: The Essential Scientific Works of Albert Einstein) :Keyword(Development Choice Individual)*
https://en.wikiquote.org/wiki/Albert_Einstein
https://www.brainyquote.com/quotes/albert_einstein_110039

*'**Once the aim of philosophy** **is brushed aside***, once the resources of its natural growth are ignored, once a **vain program of** **incompetent judgment** **is established***, not only common sense but also its **bias are in charge***, and **they are there to stay***. Distinct philosophies emerge for the changing tastes and fashions of racial, economic, regional, national, cultural, religious, and antireligious groups and even subgroups. Spice and originality are added by the special brands of common sense peculiar to psychoneurotics, assertive egoists, and aspiring romanticists. And if human society tires of muddling through one crisis into another, then there arises the temptation that the only means to attain an effective community of norms and directives is to put the educational system, the press, the stage, the radio, and the churches under the* **supervision of a paternal government***, to call upon* **social engineers to channel thought and condition feeling, and to hold in reserve the implements that discipline refractory minds and tongues***.' :Author(**Bernard Lonergan**) :Year(1957) :Source Document(**Insight**) :Keyword(Development Choice Group)* https://www.iep.utm.edu/lonergan/ https://bernardlonergan.com/

*'Of all that is written, I love only what a person hath written with his blood. Write with blood, and thou wilt find that blood is spirit.' :Author(**Friedrich Wilhelm Nietzsche**) :Year(1891) :Source Document(**Thus Spake Zarathustra**) :Keyword(Humanism Communicate Individual)*
http://www.gutenberg.org/files/1998/1998-0.txt

*'**Human decency is not derived from religion. It precedes it.**' :Author(**Christopher Hitchens**) :Year(2007) :Source Document(**God is not great**) :Keyword(Religion Morality Individual)*
https://www.goodreads.com/work/quotes/3442838-god-is-not-great-how-religion-poisons-everything

Recent Documents

Insight :Author(**Bernard Lonergan**) :Year(1957) :Keyword(Group Philosophy Humanism)
https://epdf.pub/collected-works-of-bernard-lonergan-insight.html
https://www.iep.utm.edu/lonergan/ http://bclonergan.org/wp-content/uploads/2017/04/Insight-and-Beyond-20091.pdf

Fahrenheit 451 :Author(**Ray Bradbury**) :Year(1953) :Keyword(Group Development Humanism)
https://en.wikipedia.org/wiki/Fahrenheit_451
https://www.fsusd.org/cms/lib03/CA01001943/Centricity/Domain/2034/Fahrenheit%20451.pdf
https://rossdawson.com/futurist/best-futurists-ever/ray-bradbury-fahrenheit-451/

Animal Farm :Author(**George Orwell**) :Year(1945) :Keyword(Individual Philosophy Humanism)
http://gutenberg.net.au/ebooks01/0100011.txt http://gutenberg.net.au/plusfifty-n-z.html#orwell

An Encyclopedia of Claims, Frauds, and Hoaxes of the Occult and Supernatural :Author(**James Randi**)
:Year(1995) :Keyword(Group Development Thinking)
https://en.wikipedia.org/wiki/An_Encyclopedia_of_Claims,_Frauds,_and_Hoaxes_of_the_Occult_and_Supernatural https://web.randi.org/a---encyclopedia-of-claims.html
https://www.webcitation.org/5nE0NSIBE?url=http://www.randi.org/encyclopedia/encyclopedia.html

The Tales of Mother Goose :Author(**Charles Perrault**) :Year(1697) :Keyword(Group Development
Morals) https://en.wikipedia.org/wiki/Mother_Goose
https://en.wikisource.org/wiki/The_Tales_of_Mother_Goose
http://www.gutenberg.org/ebooks/author/7137
*What virtues do these stories possess that have kept them alive for so long a time? They have to some
degree stimulated and nourished qualities of supreme worth in individual and social life. With the young
the **struggle against greed and falsehood and pride and cowardice** is a very real one, and situations in
which these homely, fundamental traits are involved are full of interest and seriousness. Again, to
mature people the reward of well-doing and the **punishment of evil conduct** portrayed in these stories
are apt to seem too realistic, too much also on the cut-and-dried pattern; but it is far different with
children. They have a very concrete sense of right and wrong, and they demand a clear, explicit, tangible
outcome for every sort of action. They must have concrete, living examples, with the appropriate
outcome of each, set before them…. M. V. O'SHEA. University of Wisconsin.*

Lord Of The Flies *:Author(**William Golding**) :Year(1954) :Keyword(Group Development Choice)*
https://archive.org/stream/in.ernet.dli.2015.98983/2015.98983.Lord-Of-The-Flies_djvu.txt
https://en.wikipedia.org/wiki/Lord_of_the_Flies https://www.bydewey.com/lord.html

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1. **Franz Kafka.** https://en.wikipedia.org/wiki/Franz_Kafka ,
   https://en.wikipedia.org/wiki/Franz_Kafka_bibliography
2. **The test https://en.wikipedia.org/wiki/The_Test_(short_story) ,
   https://zork.net/~patty/oldkafka/ktest.html** *THE TEST I am a servant, but there is no work for
   me. **I am timid and don't push myself to the fore,** indeed I don't even push myself into line with
   the others, but that is only one reason for my nonemployment, it's even possible that it has
   nothing to do with my nonemployment, in any case the main thing is that I am not called upon to*

*serve, others have been called yet they have not tried harder than I, indeed perhaps they have not even felt the desire to be called, whereas I, at least sometimes, have felt it very strongly. So I lie on the pallet in the servants' hall, stare at the beams in the ceiling, fall asleep, wake up and promptly fall asleep again. Occasionally I walk over to the tavern where they sell a sour beer, occasionally I have even poured away a glass in disgust, but at other times I drink it. I like sitting there because from behind the closed little window, without the possibility of being discovered, I can see across to the windows of our house. Not that one sees very much there, to my knowledge only the windows of the corridors look out on the street, and moreover not even those of the corridors leading to my employers' apartments. But it is also possible that I am mistaken; someone, without my having asked him, once said so, and the general impression of this house front confirms this. Only rarely are the windows opened, and when this does occur it is done by a servant who may lean against the balustrade to look down doe a while. It follows therefore that these are corridors where he cannot be taken by surprise. As a matter of fact I am not personally acquainted with these servants; those who are permanently employed upstairs sleep elsewhere, not in my room. Once when I arrived at the tavern, a guest was sitting at my observation post. I did not dare look at him closely and was about to turn round in the door and leave. The guest, however, called me over, and it turned out that he too was a servant whom I had seen somewhere before, but without having spoken to him."Why do you want to run away? Sit down and have a drink! I'll pay." So I sat down. **He asked me several things, but I couldn't answer, indeed I didn't even understand his questions. So I said: "Perhaps you are sorry now that you invited me, so I'd better go," and I was about to get up**. But he stretched his hand out over the table and pressed me down. **"Stay," he said, "that was only a test. He who does not answer the questions has passed the test."***

3. Fyodor Dostoevsky https://en.wikipedia.org/wiki/Fyodor_Dostoevsky
4. Poor Folk https://en.wikipedia.org/wiki/Poor_Folk , http://www.gutenberg.org/ebooks/2302
5. The Adoloescent https://en.wikipedia.org/wiki/The_Raw_Youth
6. Resilence https://www.resilience.org/about-resilience/
7. Stephen Wolfram article – The edge https://www.edge.org/conversation/stephen_wolfram-computation-all-the-way-down
8. Boxing Helena https://en.wikipedia.org/wiki/Boxing_Helena
9. **Thus Spake Zarathustra** :Author(**Friedrich Wilhelm Nietzsche**) :Year(1885) :Keyword(Individual Philosophy Development) http://learnlibrary.com/zarathustra/index.htm http://www.gutenberg.org/ebooks/1998 https://en.wikipedia.org/wiki/Thus_Spoke_Zarathustra
10. *The Fisher king* https://en.wikipedia.org/wiki/Fisher_King , https://kingarthursknights.com/arthurian-characters/the-fisher-king/ *The Fisher King was a king encountered by the Grail Knights (Galahad, Percivale, and Bors de Ganis) during the Quest for the Holy Grail. He is sometimes, but not always, identified with the **Maimed King**. He is called Pelles in the Vulgate Version, in which the Maimed King is named Parlan or Pellam. In Manessier's Constitution we are told he was wounded by fragments of a sword which had killed his brother, Goon Desert. By Chretien we are told he could not ride as a result of his infirmity, so he took to fishing as a pastime.*
11. *The Beggar King* *https://www.hindujagruti.org/hinduism-for-kids/154.html* *The crown prince was separated from his parents. The basket with the baby prince went far with the flooding waters and finally ended up near the home of a poor family. They took care of the baby the best they could; no one knew that he was the crown prince. The prince was raised in poverty and as a beggar in the street. For a livelihood, the prince would spend most of the day begging; he too, did not know that he was really the crown prince. Thus, he would become happy if someone gave*

him something to eat or some money, and would be sad if he did not get any food or money from begging. Now, the prince had a birthmark that the king and queen knew of. They searched high and low through the kingdom discreetly for a person with that birthmark. Luckily, after many years they finally found the prince, raised as a beggar. Suddenly the beggar's life changed. He was well cared for, educated, and raised to be the next king. He was very happy, as now he spent his time in luxury and learning from the best. A few years later, the king died and the prince was crowned king. He ruled his subjects well. One day, the beggar prince who turned king, was thinking about his life; he reflected where his life had taken him. Suddenly, he felt like going back to the street and begging, just for the experience of it. So disguised as beggar, he went begging for a day. Just like before, some people gave him money or food, and some people did not. However, this time he did not feel anything if he got anything or not from begging. Whether people gave him money or not, he continued to be at peace, because inside the disguise he knew he was the king. Moral: **Dear children**, *this story teaches us about* **who we really are**. *Each of us is a child of God; God's Blissful soul is in each of us. However, we do not realize it and do not feel Bliss. When something bad happens to us, we feel bad; when something good happens to us, we feel happy.* **In life, something good or bad will always happen to us**. *However, if we want to be Blissful all the time, we* **have to learn to accept all situations with a steady mind**.

12. **Alexander Dumas – The Prince Of Thieves** https://en.wikipedia.org/wiki/Alexandre_Dumas , https://www.akg-images.com/archive/Le-prince-des-voleurs-2UMDHUNOHRGD.html , https://fr.wikipedia.org/wiki/Le_Prince_des_voleurs , https://freeditorial.com/en/books/robin-hood-le-prince-des-voleurs-tome-i/readonline , https://www.gutenberg.org/ebooks/author/492

13. **Fractals and the Art of Roughness TD Talks TED2010 – Benoit Mandelbrot** https://www.ted.com/talks/benoit_mandelbrot_fractals_and_the_art_of_roughness/transcript?language=en *Thank you very much. Please excuse me for sitting; I'm very old. (Laughter) Well, the topic I'm going to discuss is one which is, in a certain sense, very peculiar because it's very old.* **Roughness is part of human life forever and forever**, *and ancient authors have written about it. It was very much uncontrollable, and in a certain sense, it seemed to be the extreme of complexity, just a mess, a mess and a mess. There are many different kinds of mess. Now, in fact, by a complete fluke, I got involved many years ago in a study of this form of complexity, and to my utter amazement, I found traces -- very strong traces, I must say -- of* **order in that roughness**. *And so today, I would like to present to you a few examples of what this represents. I prefer the word roughness to the word irregularity because irregularity -- to someone who had Latin in my long-past youth -- means the contrary of regularity. But it is not so.* **Regularity is the contrary of roughness because the basic aspect of the world is very rough**. *So let me show you a few objects. Some of them are artificial. Others of them are very real, in a certain sense. Now this is the real. It's a cauliflower. Now why do I show a cauliflower, a very ordinary and ancient vegetable? Because old and ancient as it may be, it's very complicated and it's very simple, both at the same time. If you try to weigh it -- of course it's very easy to weigh it, and when you eat it, the weight matters -- but suppose you try to measure its surface. Well, it's very interesting. If you cut, with a sharp knife, one of the florets of a cauliflower and look at it separately, you think of a whole cauliflower, but smaller. And then you cut again, again, again, again, again, again, again, again, again, and you still get small cauliflowers. So the experience of humanity has always been that there are some shapes which have this peculiar property, that* **each part is like the whole**, *but smaller. Now, what did humanity do with that? Very, very little. (Laughter) So what I did actually is to study this problem, and I found something quite surprising. That one can measure roughness by a number, a number, 2.3, 1.2 and sometimes much more. One day, a friend of mine, to bug me, brought a picture and said, "What is the roughness of this curve?" I said, "Well, just short of 1.5." It was 1.48. Now, it didn't take me any time. I've been looking at these things*

*for so long. So these numbers are the numbers which denote the roughness of these surfaces. I hasten to say that these surfaces are completely artificial. They were done on a computer, and the only input is a number, and that number is roughness. So on the left, I took the roughness copied from many landscapes. To the right, I took a higher roughness. So the eye, after a while, can distinguish these two very well. ………………Well, a man named Hausdorff in 1919 introduced a number which was **just a mathematical joke**, and I found that this number was a good measurement of roughness. When I first told it to my friends in mathematics they said, "Don't be silly. It's just something [silly]." Well actually, **I was not silly**. The great painter **Hokusai knew it very well**. The things on the ground are algae. He did not know the mathematics; it didn't yet exist. And he was Japanese who had no contact with the West. But painting for a long time had a fractal side. I could speak of that for a long time. The Eiffel Tower has a fractal aspect. I read the book that Mr. Eiffel wrote about his tower, and indeed it **was astonishing how much he understood**. ….. from which the **five biggest discontinuities are taken out**. Now **discontinuities are a nuisance**, so in many studies of prices, one puts them aside. "Well, acts of God. And you have the little nonsense which is left. Acts of God." In this picture, five acts of God are as important as everything else. In other words, it is not acts of God that we should put aside. **That is the meat, the problem. If you master these, you master price, and if you don't master these, you can master the little noise as well as you can, but it's not important**. Well, here are the curves for it.*

14. **Piggies**, **The Beatles** 1968 https://en.wikipedia.org/wiki/Piggies, https://www.azlyrics.com/lyrics/beatles/piggies.html *Have you seen the little piggies Crawling in the dirt? And for all the little piggies Life is getting worse Always having dirt to play around in. Have you seen the bigger piggies In their starched white shirts? You will find the bigger piggies Stirring up the dirt Always have clean shirts to play around in. In their styes **with all their backing** They **don't care what goes on around**, In their eyes there's something lacking What they need's a damn good whacking. Everywhere there's lots of piggies Living piggy lives You can see them out for dinner With their piggy wives Clutching forks and knives to eat their bacon*

15. Toker, D., Sommer, F.T. & D'Esposito, M. A simple method for detecting chaos in nature. Commun Biol 3, 11 (2020). https://doi.org/10.1038/s42003-019-0715-9 https://www.nature.com/articles/s42003-019-0715-9

16. Dual-time and cascaded anticipation of chaos synchronization June 2002 Proceedings of SPIE - The International Society for Optical Engineering 4646 DOI: 10.1117/12.470573 Authors:Elman M. Shahverdiev Siva Sivaprakasam Pondicherry University Alan Shore Bangor University https://www.researchgate.net/publication/252484135_Dual-time_and_cascaded_anticipation_of_chaos_synchronization

17. Synchronization of chaos https://en.wikipedia.org/wiki/Synchronization_of_chaos

18. *master stability function is a tool used to analyse the stability of the synchronous state in a dynamical system consisting of many identical oscillators which are coupled together, such as the Kuramoto model. https://en.wikipedia.org/wiki/Master_stability_function*

19. *Jean-Paul Sartre https://en.wikipedia.org/wiki/Jean-Paul_Sartre The struggle for Sartre was against the monopolising moguls who were beginning to take over the media and destroy the role of the intellectual.*

20. **Nausea** :Author(**Jean-Paul Sartre**) :Year(1938) :Keyword(Group Development Humanism) https://en.wikipedia.org/wiki/Nausea_(novel) https://www.the-philosophy.com/sartre-nausea-analysis https://archive.org/details/SartreLaNause1974/page/n19/mode/2up

21. **Michel Foucault's Madness and Civilization**: A History of Insanity in the Age of Reason Jun 04, 2009 Kenneth Lakritz, MD https://www.psychiatrictimes.com/view/michel-foucaults-madness-and-civilization-history-insanity-age-reason *Mental illness was reconceptualized as moral failure,*

*to be treated with constant observation and regimentation, with **appeals to guilt and religious sentiment**. The inmate is **perpetually judged, threatened, and corrected**. The hospital caricatures the family-with the psychiatrist assuming the mantle of benign but demanding paternal authority. **Crucially, the patient internalizes this authority, becoming more compliant but also more self-alienated, divided, and less free even than his or her enchained predecessors**. Foucault even suggests that the **grand hysteria** described by Charcot, Freud, and Pierre Janet 100 years later is the **"precipitate" of this authoritarian regime**. ….To paraphrase Foucault's compatriot Anatole France, **"the mentally ill are once again free to beg in the streets and sleep under bridges."**

22. Fee E, Brown TM. **Freeing the insane**. Am J Public Health. 2006;96(10):1743. doi:10.2105/AJPH.2006.095448 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1586154/

23. **Madness and Civilization: A History of Insanity in the Age of Reason** :Author(**Michel Foucault**) :Year(1961) :Keyword(Group Development Thinking)
https://en.wikipedia.org/wiki/Madness_and_Civilization
https://archive.org/details/Michel_Foucault_Madness_And_Civilization
https://www.psychiatrictimes.com/view/michel-foucaults-madness-and-civilization-history-insanity-age-reason

24. **Royal Commission into Mental Health Services - Chelmsford**
https://en.wikipedia.org/wiki/Chelmsford_Royal_Commission ,
https://www.records.nsw.gov.au/archives/collections-and-research/register-of-access-directions/public-offices/commissions-of-inquiry ,
https://chelmsfordblog.wordpress.com/aftermath-of-the-scandal/
http://www5.austlii.edu.au/au/journals/ALRCRefJl/1988/77.pdf

chelmsford royal commission

We could not help it: we were never told.
No doubt there were some rumours of a crime,
We'd lost our glasses, so we could not see.
We walked away: it was not our concern
The streets were dark and it was very cold.
It did not seem important at the time.

John Mander. *As it Was*