

catalyse!

cherish and thrive
and love your society everyone!

makiaea

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maki lam, 28th may 2020

4.1 catalyse

exponential progress in a time of exponential challenge

circumstance	we can't help the circumstances into which we are born, but others can — this is what civilisation does
realise	abuse comes not from “evil intent” but from how we relate to each other — we can change this (00017, 00020)
unique	everyone is, even if some don't seem so
diverse	a web of cultural practice lifts us over a rocky abyss
accessible	strategy has wings, it flows from person to person

4.2 a new social innovation

craft, transmit cultural practices, improve civilisation

circumstance	our civilisation failing to thrive. continuing to fail, catalyses exponential failure. 2020 pandemic examples: supplychain, healthcare
realise	thrive through improving all systems — weakest links fail first, but cause the entire web to fall growing a new cultural <i>zeitgeist</i> , <i>milieu</i> may be effective a nurturing society lifts us all
unique	combination of factors, for example, to deal with failure in knowledge (<i>hypocognition</i> 00097), failure in empathy (00013), failure in recall (<i>motivated misremembering</i> 00045); failure to transmit (00085); Mercier and Sperber (2017, 00074) redefine <i>reason</i> ; Rosenberg (2018, 00089) dismantles <i>narrative</i> and <i>theory of mind</i> ; Mlodinow (2008, 00099) on <i>chance</i> ; collaborate non-zero-sum to <i>grow the pie</i>
diverse	use scattershot, diverse process to deal with <i>environmental filtration</i> (natural selection, Rosenberg 2018) (00093, 00092) and prepare for the practically unknowable (e.g. we cannot track the number of coronavirus particles on our hands as we wash them, we rely on rules of thumb — which may not be adequate)
accessible	to all, not just academics

4.3 correlate not cause

use [ithoughts](#) (not accessible) or [mindnode](#) (accessible) to view full dynamic itmz files
static previews (not accessible), marked * are low resolution due to large size

empathy	00013 (preview) e.g. <i>empathy is hard work: people choose to avoid empathy because of its cognitive costs</i> c. daryl cameron et al. 2019 http://dx.doi.org/10.1037/xge0000595
origin and nature of abuse	00017 (preview) * e.g. <i>social influence and interaction bias can drive emergent behavioural specialization and modular social networks across systems</i> christopher k. tokita, corina e. tarnita 2020 http://dx.doi.org/10.1098/rsif.2019.0564
dealing with abuse	00020 (preview) e.g. <i>motivating the adoption of new community-minded behaviors: an empirical test in nigeria</i> graeme blair et al. 2019 http://dx.doi.org/10.1126/sciadv.aau5175
retrieve, recall	00045 (preview) e.g. <i>motivated misremembering of selfish decisions</i> ryan w. carlson et al. 2020 http://dx.doi.org/10.1038/s41467-020-15602-4
trust, belief	00074 (preview) e.g. <i>the enigma of reason: a new theory of human understanding</i> hugo mercier, dan sperber 2017
decay and renewal	00085 (preview) e.g. <i>a model-based approach to the tempo of “collapse”: the case of rapa nui (easter island)</i> robert j. dinapoli et al. 2020 https://doi.org/10.1016/j.jas.2020.105094
myth	00089 (preview) e.g. <i>how history gets things wrong: the neuroscience of our addiction to stories</i> alex rosenberg 2018
evolution	00092 (preview) * e.g. <i>high-resolution lineage tracking reveals travelling wave of adaptation in laboratory yeast</i> alex n. nguyen ba et al. 2019 http://dx.doi.org/10.1038/s41586-019-1749-3
diverse, adapt, appropriate	00093 (preview) * e.g. <i>history is written by the victors: the effect of the push of the past on the fossil record</i> graham e. budd, richard p. mann 2018 http://dx.doi.org/10.1111/evo.13593 <i>evolutionary dynamics of incubation periods</i> bertrand ottino-loffler et al. 2017 http://dx.doi.org/10.7554/elife.30212.001
unknown, potential, ignorance	00097 (preview) e.g. <i>hypocognition: making sense of the world beyond one's conceptual reach</i> wu, k., & dunning, d 2018 http://dx.doi.org/10.1037/gpr0000126
stochastic, probability, chance, luck	00099 (preview) * e.g. <i>the drunkard's walk: how randomness rules our lives</i> leonard mlodinow 2008

4.4 walk the talk

we can do it, but don't yet realise we can (*hypocognition* 00097)

ambitious	using any one example from 4.2 to make a social innovation would make a full phd — all applied here interdisciplinary nature flows past obstacles — understanding evolutionary diversity (00093), we <i>re-evaluate received knowledge</i> e.g. “it is better to specialise”
long tail risk	unconventional, may not succeed directly — worth doing anyway societal change has <i>unintended consequences</i> (00099)
first case studies	analyse how example concepts (e.g. a non-fiction book, or a new scientific journal article, presenting a novel idea) created, transmitted; possible empirical transmit testing e.g. pseudo A/B in Blair et al. (2019, 00020) but emphasise using unique combination of circumstances to create useful novel concepts e.g. Budd and Mann (2018, 00093) apply <i>reversion to the mean</i> to patterns of diversity shown in fossil record
ethical review	initially use proxy measures e.g. twitter mentions, journal citations etc. would like to compile some data from participants directly, this will require ethical review before implementation
accessible	epub file (screenreader, mobile-friendly) apple pages file (accessible) pdf file (not accessible)