

Cycles in Time and Psyche: Implications for Cyclicity, Fatality and Symptomatics of COVID-like Pandemics

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Abstract

We explore the issue of cyclicity of cosmic time and how it might be a recorder of all events by its identification with the cosmic mind. We differentiate absolute time, universal (cosmic) time and the relative time as three distinct categories in the objective domain of temporal reckoning. Taking the idea of time generated by fundamental quantum events through natural frequencies of microsystems, we analyze the issue of generation of the cyclic time of the cosmos itself due to events undergone by all its oscillating contents. We propose that such macrocosmic processes of generation of cosmic times by the frequency of repetitive cosmic events necessarily requires the intermediary of psychic fields which being metaphysical and transcending matter, encode all information in a detailed manner in a memory that transcends space and generates repetitive events with subjects which lead to emergence of cosmic objective time. As a result, spatial as well as temporal non-locality becomes a reality, while individual free will becomes an appearance only. The difficulty in comprehending these novel ideas and conceptions only proves that our perceptions are deeply conditioned by our everyday experiences with space and time. The duration, symptomatics, fatality and cyclicity of COVID-like pandemics can be understood on this basis to have a deeper significance transcending virology and epidemiology.

Keywords: Cosmic time, Relative time, Pandemic cycles, COVID-19, Cyclicity of impressions.

Introduction

Since the time of Newton “Time” has collected about itself various perspectives by various scientists. Newton says ‘*All things are placed in time as to order of succession and in space as to order of situation*’^[1]. Understanding time has become an increasingly more difficult question after the Theory of Relativity^[2]. There are various concepts regarding time such as absolute time^[1], event dependent view of time^[3], physical and metaphysical nature of time^[4], time travel^[5], arrows of time^[6,7], simultaneity of events in time, multidimensionality of time^[8,9], Closed Time

like Curves^[10] emergence of time from timeless substratum^[11], classical and quantum time^[12], time dilation, relativity of simultaneity^[2], direction of time towards increasing entropy^[6], cosmological arrow of time^[13], time reversal, the time-energy uncertainty principle^[14], the space-time uncertainty relation^[15] and so on to just list a few of the most talked about phenomena associated with time, including of course, timelessness or the unreality of time^[16-18].

The notion of time in most of the above is fundamentally dependent on occurrence of events and/or our perception of them. In the sense of a happening or an occurrence, an elementary event is the physical situation associated with the point of space at an instant of time. Every event has thus a unique position and also a unique time in a particular frame of reference *i.e.* every event has definite space and time coordinates^[19]. All the above mentioned definitions or forms of time is because of events-events in the form of information and as contents of our experiences and memory enable us to perceive time. Noting that the perceivers are themselves creatures

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in time, we propose here that it is not time which flows unidirectionally to make us perceive events, rather, it is the 'events' themselves which are already encoded in the cycles of cosmic time^[20] and which unfold as per the perceiver's ongoing cycle of stored information from past experiences as memory, in the form of impressions in the psyche, that make him or her perceive the passage of time.

The continuous succession of unfoldment and recording of events as per the psychic encoding in the life of the cosmos is exactly like the continuous succession of expression of the traits and their recording in the genes in the DNA double helix that keep continuously unfolding in the life of an individual. An event is a multifaceted encoding in time as qualia of all the information concerning it and they unfold in succession to make us perceive time. The whole history of the universe is thus continuously being unfolded as well as encoded in time. The functional aspects of events such as order, form, frame etc are all embedded in the corresponding moment of time. The events are encoded by the perceiver, for the perceiver and of the perceiver itself, but neither the events nor the perceiver in any way affect the absolute time. The perceiver's psyche that records them and perceives them is part of the cosmic all-inclusive psyche^[21-24]. The psyche of the individual perceiver perceives the all inclusive psyche of the cosmos. As the cycles encoded in the cosmic mind unfold, we collectively as well as individually undergo the experiences as per those encodings commensurate with our make-up.

Absolute time, Cosmic time and relative time:

The events that unfold are nothing but the form of knowledge, action and the resulting experiences specific to the individual perceiver. Events do not exist independent of the perceiver and its act of perception^[25] but absolute time exists independent of events, the perceiver and the act of perception.

Absolute Time has its independent, true and eternal nature irrespective the event-filled universe itself. Thus the notion of the time comes from the act of perception by the perceiver of the chain of events as causes and effects^[26]. The concepts of all the properties of relative (event-dependent)time, the events themselves and the acts of perception, all have to do with the individual perceiver^[27].

The universe is the perceived multiple worlds of the perceivers in the form of qualia in the infinite expanse

of absolute time. The infinite time contains the ordering of causal consequence of all events. The individual consciousness brings into existence from its memory, experiences the forms, the objects and all that it perceives to be in existence. They exist because they are perceived by the individual perceiver. They are perceived by the perceiver because they were there in the perceiver prior, in the psychic domain of the perceiver in the previous cycle of its existence in the cosmic time^[28].

Cosmic Governing Principles: A time slice of the universe at any instant is a space like hyper-surface which is a three dimensional snapshot or a frozen frame of all its evolving contents. A continuous succession of such causally connected time slices gives us a chart, a deeper inspection of which leads us to the underlying governing principles and the laws of nature. This gives us a block universe scenario^[29] with Newtonian absolute time as the common thread connecting all the time slices through differential equations expressing natural laws as the connecting links between the causative factors in the preceding slice to the effects produced in the succeeding slice. The universe and all its laws thus exist in, and are dependent on, the cosmic time. The laws may have limited regions of validity with respect to space and time but nevertheless they are of a qualitatively of a higher category than the mere physical contents of the universe.

The universality claimed in respect of any natural law discovered by scientists is only with regard to what has been observed so far in the observable universe. The very recognition of existence of such laws requires intelligence manifest in specific self-organized complex systems such as human beings. If all the physical contents of the universe are intelligent then by their memory aspects they could encode the whole process of time evolution in the fullest details. Such a cosmic intelligence could have simultaneous knowledge of the entire time slice though all its points are space like separated having no causal connections among them. The information contained in one slice may be suitably compressed by the intelligence while encoding in to memory as in compact discs^[30]. Such encoding is in the psychic domain which has a metaphysical nature transcending physical space and its contents. Thus the history of the universe is encoded beyond the universe as memory slices in psychic domain woven successively by the thread of time in a continuous fashion.

It is reasonable to assume that there must be psychic counterparts to the physical laws which determine the

causal sequence of the appearance of memory slices in the psychic domain whose physical projections correspond to the evolving sequence of time slices for the physical universe as analyzed in a series of papers basing on psychophysical parallelism^[31-33]. Each time slice if considered as the physical body of a huge cosmic organism then these memory slices would correspond to the progression of cosmic thought and the all pervading intelligence would serve the cognitive and decisive purposes of a cosmic knower. The universe then becomes a cosmic person evolving psychophysically from moment to moment as a huge individual organism. For the other individuals inhabiting the universe it takes on an appearance which is a projection through the individual perceiver's mind and hence is but a limited segment of the cosmic mind.

Cycles in time and cycles in mind: Periodicity is a fundamental feature characterizing all systems in nature across all dimensions—from neutrino oscillations to cosmic cycles^[34-36]. The same applies in the psychic domain too, since the physical is a manifestation of the psychic. The experiences stored as impressions in the psyche have also their cyclic patterns of repetition, even though the physical conditions may not be exactly identical across the cycles. In fact the instincts, urges and drives in an organism in the form of attention to definite goal directed activity is due to a need felt as a result of activation of previously stored impressions^[37-40]. Of course to the extent the psyche is able to exactly recall from a previous memory slice the nature and structure of an experienced object, to that extent the object may become available for re-experience as such^[41]. However, this is hardly the case since exact replication of physical conditions is rendered impossible by the second law of thermodynamics. Unless it is the case of a supremely conscious ordering agency enabling such exact replication of experience from its fine grained memory slice, nevertheless experiences do reoccur in cycles^[42-43].

Implications for COVID-like pandemics: Pandemics like plague, Spanish flu, AIDS and COVID-19 have been observed to occur with a certain cyclicity, as if by design, to bring about a certain change in the attitudes and practices, not just to wipe out populations^[44]. They have deep connections with human activities on large scale such as warfare and genocides arising out of malicious psychic factors. The biggest challenge facing us in ensuring that such havoc-rearing pandemics don't come upon mankind is to

rid ourselves of such inhuman tendencies and to endow ourselves with benevolence leading to a thoroughgoing change in our approach and attitude to life itself^[45,46]. The changes in the individual and collective experiences in different cycles of pandemics that come upon mankind can be explained as being due to changes in the psychic impressions and in the causative agents.

Conclusion

To grasp the true nature of time as the encoder of events and events as the generators of time we have taken the help of the psychic dimension that facilitates both these opposing but complementary views, since time is identical with the psyche. Encoding and decoding of information on a cosmic scale and objective manifestation as matter-energy filled universe that oscillates cyclically in the space of events certainly requires a transcendental substance which is the psyche. These intricate and intriguing aspects of time and psyche are nevertheless stimulating but require much further analysis and substantiation. Time certainly is not physical, but subjective experience of its passage and its utility in everyday life, its conjugacy with energy in Quantum Theory makes us naively grant it an objective reality that can certainly be put to test. Indeed the elasticity of time in both objective and subjective domains puts a question mark over its being a rigid aspect of reality, but can we do without it? It seems that we do without it subjectively in deep sleep and objectively if we can move with the speed of light or reach a blackhole horizon. Is there a map between the speed of light movement and deep sleep, given that an observer moving with speed of light will indeed see nothing and know nothing, exactly like in deep sleep? This is because all sensory and neural processes come to a halt as one approaches the speed of light. Obviously, in such a situation of zero neural processing, no perception can occur. Further studies in these directions will pave way for a deeper appreciation of time in its relation to the cosmos.

Funding Statement: Self.

Conflicts of Interest: The authors declare no Conflict of Interest.

Ethical Clearance: Not needed for this work

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