

## **37 THESES and a question**

- 1. *The flow of time is the crucial feature of all existence or reality.***
- 2. *The past as bygone is that which has been real, but is no longer real.***
- 3. *The future as to come is that which is not yet real, but may become real.***
- 4. *The now as instant is the sudden cut that separates the past from the future.***
- 5. *The now as present is our memory of the past and our forecast of the future.***
  
- 6. *Á priori it is an incontestable code of all sciences that their aim is tripartite, namely a) to describe the present, b) to explain the past, c) to predict the future.***
- 7. *History is a human science which, from its root in the present, tries to explore what contemporary sources can tell us about events and actions that are bygone.***
- 8. *Physics is a natural science which, from observational facts, attempts to decode those natural laws that are decisive for the prediction of certain kinds of events.***
- 9. *The historian reasons backwards in time from effects to their credible causes.***
- 10. *The physicist reasons forwards in time from causes to their probable effects.***
- 11. *Time is prior to causality which is only definable in temporal terms.***
- 12. *Causality can never guarantee that there will be a future.***
  
- 13. *The cosmic isotropy of CMBR ensures the definability of a cosmic time.***
- 14. *Cosmic time is counted by atomic clocks which are at rest relative to CMBR.***
- 15. *The birth-ordering of quantum events founds an absolute, unobservable, time.***
- 16. *Space, or spacetime, do not exist; cosmic space has no metric, only a topology.***
- 17. *Gravity is only local, there are no forces between particles at rest in CMBR.***
- 18. *Gravity is due to the local retardation of clocks moving relative to CMBR.***
- 19. *Gravity is a logical result of the dissipation of stuff in the universe.***
- 20. *There is One Universe only, and One Cosmic Time.***

21. *The human brain is a quantum Carnot machine.*
22. *The infinite Universe is a quantum Carnot machine.*
23. *A deep analogy reigns between a soul and its universe.*
24. *The human soul is the universe as seen in a perspective.*
25. *A unique Divine Spirit, GOD, takes care of the Universe.*

26. *God is actus purus, origin of the world, source of all truth.*
27. *Reality passes away, but the truth of our actions persists forever.*
28. *Time is the continuous creation of existence and hence also of truth.*
29. *The cosmological principle obliges us to treat conscious beings alike.*
30. *The penalty for our sins is our sins as judged sub luce aeternitatis.*

31. *What is now past is no more possible. What is now future is not yet real.*
32. *However, as possibilities are eradicated new truths are continuously created.*
33. *A logic, combining Kierkegaard's hint, that necessity is omnitemporal whereas possibility is future, with Prior's idea of non-statability, makes sense of time's flow.*
34. *This logic allows us to distinguish between logical, physical and ethical necessity.*
35. *By discriminating what was ordained of eternity from what is now unpreventable it eliminates the age-old conflict between divine omniscience and human freedom.*
36. *It admits God to know all that is knowable now and us to be his co-creators.*

*37. Christianity teaches that the power of God discloses itself in the act of creation whereby something, namely, the universe, is called forth out of nothing and kept alive; further, that his wisdom is manifested in the creation of man as an imperfect imago dei with freedom of will, foreseeing the fall of man and our ensuing evil deeds; and finally, that his grace is demonstrated in his decision to save us by sending his son and spirit; all mankind is predestined for salvation, but may resist it due to a perverted will.*

*Q. Maybe God has created a world where future events are only predictable in general terms because he wished to convey freedom of will to man?*

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## *Support for my Theses*

<i>Ad Thesis 1:</i>	<i>cf. p.102, p.126, pp.139-140, p.189 &amp; p.212</i>
<i>Ad Thesis 2:</i>	<i>cf. p.95 below &amp; pp.104-105</i>
<i>Ad Thesis 3:</i>	<i>cf. p.95 above &amp; p.139 above</i>
<i>Ad Thesis 4:</i>	<i>cf. p.130, p.138, p.157, p.165, p.169f &amp; 214</i>
<i>Ad Thesis 5:</i>	<i>cf. p.88 below, p.93 above, p.95 middle &amp; p.100 above</i>
<i>Ad Thesis 6:</i>	<i>cf. pp.125-126 &amp; p.139 below - NB: this is a basic postulate!</i>
<i>Ad Thesis 7:</i>	<i>cf. ch.9 §4, p.136</i>
<i>Ad Thesis 8:</i>	<i>cf. p.136</i>
<i>Ad Thesis 9:</i>	<i>(historians often use natural laws inreasoning backwards)</i>
<i>Ad Thesis 10:</i>	<i>(physicists may try to justify the BB by forwards reasoning)</i>
<i>Ad Thesis 11:</i>	<i>cf. p.23, p.38, p.67 below, p.70 above, pp.142-143, p.185, 208f</i>
<i>Ad Thesis 12:</i>	<i>cf. p.217 below</i>
<i>Ad Thesis 13:</i>	<i>cf. p.4, cf. ch.10 §3 &amp; p.149 note 14</i>
<i>Ad Thesis 14:</i>	<i>cf. p.4 below, p.112, p.130, p.142, p.214</i>
<i>Ad Thesis 15:</i>	<i>cf. p.194 below, p.223 below</i>
<i>Ad Thesis 16:</i>	<i>cf. p.16, p.69 above, p.130, p.230 below</i>
<i>Ad Thesis 17:</i>	<i>cf. pp.203-204</i>
<i>Ad Thesis 18:</i>	<i>cf. ch.16 §§ 2&amp;4</i>
<i>Ad Thesis 19:</i>	<i>cf. pp.292-296</i>
<i>Ad Thesis 20:</i>	<i>cf. p.34 (Tim.36a), p.70 below. p.139 &amp; ch.16</i>
<i>Ad Thesis 21:</i>	<i>cf. ch.14 §1</i>
<i>Ad Thesis 22:</i>	<i>cf. ch.14 §1</i>
<i>Ad Thesis 23:</i>	<i>cf. ch.14 §1</i>
<i>Ad Thesis 24:</i>	<i>cf. p.69 below &amp; ch.16 §§ 4&amp;6 (world-view, light-cone, observable)</i>
<i>Ad Thesis 25:</i>	<i>cf. chs.1,3,4, ch.16 §§ 4,6 (world-map, instantaneous, unobservable)</i>
<i>Ad Thesis 26:</i>	<i>cf. p.42, above, p.197 above (Thomas), p.26 above (Leibniz), p.19 xiv</i>
<i>Ad Thesis 27:</i>	<i>cf. p.49f, p.107 &amp; p.206 below</i>
<i>Ad Thesis 28:</i>	<i>cf. p.131, p.135, p.164 above, p.231 below, pp.232-233 &amp; pp.235-236</i>
<i>Ad Thesis 29:</i>	<i>cf. p.145 middle</i>
<i>Ad Thesis 30:</i>	<i>cf. p.49ff. &amp; p.206 below</i>
<i>Ad Thesis 31:</i>	<i>cf. p.95, p.138 below &amp; p.139 above</i>
<i>Ad Thesis 32:</i>	<i>cf. p.153 Prior (PTT 77)</i>
<i>Ad Thesis 33:</i>	<i>cf. ch.9 §3, p.138, p.169ff. &amp; pp.272-275</i>
<i>Ad Thesis 34:</i>	<i>cf. p.17: a), b) c), p.65 below, p.71 below to p.72 above &amp; p.97 above</i>
<i>Ad Thesis 35:</i>	<i>cf. p.96 middle ff.</i>
<i>Ad Thesis 36:</i>	<i>cf. p.168 above &amp; p.173 below</i>
<i>Ad Thesis 37:</i>	<i>cf. p.12 - NB: this is a statement of creed!</i>
<i>Ad Q:</i>	<i>cf. p.168 below</i>

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For biographical references, cf. e.g.  
Non-Standard Relativity, pp.11&127.

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