24 Predictions for the Year 3000

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Design by: Qualia Research Institute qualiaresearchinstitute.org

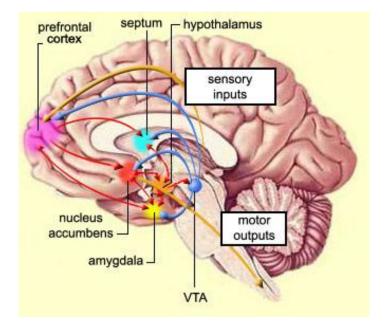
Outline

- 1. Superhuman Bliss
- 2. Eternal Youth
- 3. Full-Spectrum Superintelligence
- 4. Immersive VR
- 5. Transhuman Psychedelia
- 6. Supersentience
- 7. Reversible Mind-Melding
- 8. Anti-Speciesist Revolution
- 9. Programmable Biospheres
- 10. The Formalism of the TOE is Known
- 11. Hard Problem of Consciousness Solved
- 12. Meaning of Life Resolved

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- 20. Super-Spirituality
- 21. The Reproductive Revolution
- 22. Globish ("English Plus ")
- 23. Plans for Galactic Colonization
- 24. The Momentous "Unknown Unknown"

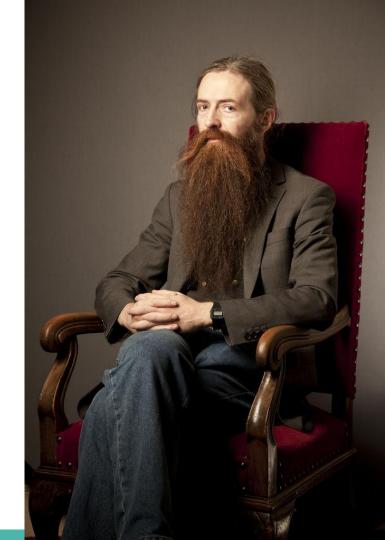
#1 Superhuman Bliss

- Mastery of our reward circuitry
- "Everything that goes up has to come down" turns out to be a false truism courtesy of the genetic sabotage of the hedonic treadmill
- Valence Realism: How good/bad an experience feels from the inside (the "raw feels" of experience) is an objective physical fact no less real than the rest mass of an electron



#2 Eternal Youth

- More precisely:
 - Indefinitely extended youth
 - Effectively unlimited lifespans
- Automated off-world backups
 - Restoration
 - "Respawning" in case of catastrophic accidents
- "Aging" exists only in the medical archives...



#3 Full-Spectrum Superintelligences

- Flourishing ecology of:
 - Sentient nonbiological quantum computers
 - Hyperintelligent digital zombies, and
 - Full-spectrum transhuman "cyborgs"
- Neurochipping makes superintelligence all-pervasive
- Universe looks friendly:
 - Prononia the belief that the universe is conspiring to help you



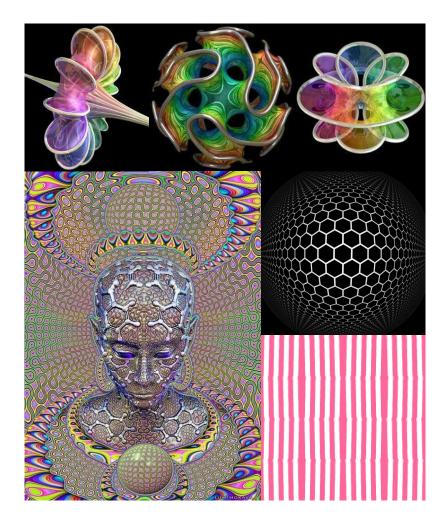
#4 Immersive VR



- "Magic" rules
- "Augmented Reality" has been superseded by hyperreal virtual worlds with novel laws, dimensions, avatars and narratives
- Selection pressures prevent "total escape" being feasible
- Infrastructure maintenance is delegated to zombie AI

#5 Transhuman Psychedelia

- Analogues of cognition, volition, and emotion but with richer phenomenology
- New fundamental categories of experience discovered via genetic tinkering and pharmacological experimentation
- Unlocking modes of consciousness that make "the weirdest DMT trip akin to watching paint dry"





#6 Supersentience

- Ultra-high intensity experience
- Vast state-spaces of consciousness that have never been recruited for information-signaling purposes get discovered and amplified
- We may resemble sleepwalkers compared to our fourth-millennium successors
- Today being "awake" pales relative to "posthuman intensity of experience"

#7 Reversible Mind-Melding

- Tatiana and Krista Hogan share a "thalamic bridge"
- In the year 3000 cross-species mind-melding technologies ("reversible thalamic bridges") have led to a revolution in both:
 - ethics and
 - decision-theoretic rationality
- Personal Identity:
 - Open Individualism prevails



#8 The Anti-Speciesist Revolution

- Worldwide veganism (or at least invitrotarianism)
- Neutral "God's Eye" perspective-taking capacities have displaced factory-farms, slaughterhouses, and other "crimes against sentience" to the dustbin of history
- Contra "species essentialism" transhumans think of other sentient beings as different "manifestations of consciousness"



#9 Programmable Biospheres



- Ecosystem reworked to benefit rather than harm their inhabitants
- Cross-species fertility control via immunocontraception has replaced predation, starvation, and disease to regulate population sizes
- Utopian "wildlife parks"

#10 The Formalism of the TOE is Known

- The superposition principle as *the* fundamental principle of quantum mechanics (Dirac)
- The key to reality itself?
- Why is there something rather than nothing?
- Zero ontology
- Solutions of the master equation encode subjective modes of experience

 $\begin{array}{l} -\frac{1}{2}\partial_{\nu}g^{a}_{\mu}\partial_{\nu}g^{a}_{\mu} - g_{s}f^{abc}\partial_{\mu}g^{a}_{\sigma}g^{b}_{\mu}g^{c}_{\nu} - \frac{1}{4}g^{2}_{s}f^{abc}f^{adc}g^{b}_{\mu}g^{c}_{\nu}g^{d}_{\mu}g^{c}_{\nu} + \\ \frac{1}{2}ig^{2}_{s}(\overline{q}^{e}_{\tau}\gamma^{\mu}q^{e}_{\tau})g^{a}_{\mu} + \overline{G}^{a}\partial^{2}G^{a} + g_{s}f^{abc}\partial_{\mu}\overline{G}^{a}G^{b}g^{c}_{\mu} - \partial_{\nu}W^{+}_{\mu}\partial_{\nu}W^{-}_{\mu} - \end{array}$ $M^{2}W^{+}_{\mu}W^{-}_{\mu} - \frac{1}{2}\partial_{\nu}Z^{0}_{\mu}\partial_{\nu}Z^{0}_{\mu} - \frac{1}{2c^{2}}M^{2}Z^{0}_{\mu}Z^{0}_{\mu} - \frac{1}{2}\partial_{\mu}A_{\nu}\partial_{\mu}A_{\nu} - \frac{1}{2}\partial_{\mu}H\partial_{\mu}H - \frac{1}{2}\partial_{\mu}H\partial_{\mu}H$ $\tfrac{1}{2}m_{h}^{2}H^{2} - \partial_{\mu}\phi^{+}\partial_{\mu}\phi^{-} - M^{2}\phi^{+}\phi^{-} - \tfrac{1}{2}\partial_{\mu}\phi^{0}\partial_{\mu}\phi^{0} - \tfrac{1}{2r^{2}}M\phi^{0}\phi^{0} - \beta_{h}[\tfrac{2M^{2}}{r^{2}} +$ $\frac{2M}{a}H + \frac{1}{2}(H^2 + \phi^0\phi^0 + 2\phi^+\phi^-)] + \frac{2M^4}{a^2}\alpha_h - igc_w[\partial_\nu Z^0_\mu(W^+_\mu W^-_\nu W^{+}_{\mu}W^{-}_{\mu}) - Z^{0}_{\mu}(W^{+}_{\mu}\partial_{\nu}W^{-}_{\mu} - W^{-}_{\mu}\partial_{\nu}W^{+}_{\mu}) + Z^{0}_{\mu}(W^{+}_{\mu}\partial_{\nu}W^{-}_{\mu} - W^{-}_{\mu}\partial_{\nu}W^{-}_{\mu})$ $W_{\nu}^{-}\partial_{\nu}W_{\mu}^{+})] - igs_{w}[\partial_{\nu}A_{\mu}(W_{\mu}^{+}W_{\nu}^{-} - W_{\nu}^{+}W_{\mu}^{-}) - A_{\nu}(W_{\mu}^{+}\partial_{\nu}^{-}W_{\mu}^{-} - W_{\nu}^{+}W_{\mu}^{-})]$ $W^{-}_{\mu}\partial_{\nu}W^{+}_{\mu}) + A_{\mu}(W^{+}_{\nu}\partial_{\nu}W^{-}_{\mu} - W^{-}_{\nu}\partial_{\nu}W^{+}_{\mu})] - \frac{1}{2}g^{2}W^{+}_{\mu}W^{-}_{\nu}W^{+}_{\nu}W^{-}_{\nu} +$ $\frac{1}{2}g^2\dot{W}^+_{\mu}W^-_{\nu}W^+_{\mu}W^-_{\nu} + g^2c^2_w(Z^0_{\mu}W^+_{\mu}Z^0_{\nu}W^-_{\nu} - Z^0_{\mu}Z^0_{\mu}W^+_{\nu}W^-_{\nu}) +$ $q^{2}s_{w}^{2}(A_{\mu}W_{\mu}^{+}A_{\nu}W_{\mu}^{-} - A_{\mu}A_{\mu}W_{\mu}^{+}W_{\nu}^{-}) + q^{2}s_{w}c_{w}[A_{\mu}Z_{\mu}^{0}(W_{\mu}^{+}W_{\mu}^{-} - A_{\mu}A_{\mu}W_{\mu}^{+}W_{\mu}^{-})]$ $W^+_{\nu}W^-_{\mu}) - 2A_{\mu}Z^0_{\mu}W^+_{\nu}W^-_{\nu}] - g\alpha[H^3 + H\phi^0\phi^0 + 2H\phi^+\phi^ \frac{1}{2}g^{2}\alpha_{h}[H^{4} + (\phi^{0})^{4} + 4(\phi^{+}\phi^{-})^{2} + 4(\phi^{0})^{2}\phi^{+}\phi^{-} + 4H^{2}\phi^{+}\phi^{-} + 2(\phi^{0})^{2}H^{2}] - \frac{1}{2}g^{2}\alpha_{h}[H^{4} + (\phi^{0})^{4} + 4(\phi^{+}\phi^{-})^{2} + 4(\phi^{0})^{2}\phi^{+}\phi^{-} + 4H^{2}\phi^{+}\phi^{-} + 2(\phi^{0})^{2}H^{2}] - \frac{1}{2}g^{2}\alpha_{h}[H^{4} + (\phi^{0})^{4} + 4(\phi^{+}\phi^{-})^{2} + 4(\phi^{0})^{2}\phi^{+}\phi^{-} + 4H^{2}\phi^{+}\phi^{-} + 2(\phi^{0})^{2}H^{2}] - \frac{1}{2}g^{2}\alpha_{h}[H^{4} + (\phi^{0})^{4} + 4(\phi^{+}\phi^{-})^{2} + 4(\phi^{0})^{2}\phi^{+}\phi^{-} + 4H^{2}\phi^{+}\phi^{-} + 2(\phi^{0})^{2}H^{2}] - \frac{1}{2}g^{2}\alpha_{h}[H^{4} + (\phi^{0})^{4} + 4(\phi^{+}\phi^{-})^{2} + 4(\phi^{0})^{2}\phi^{+}\phi^{-} + 4H^{2}\phi^{+}\phi^{-} + 2(\phi^{0})^{2}H^{2}] - \frac{1}{2}g^{2}\alpha_{h}[H^{4} + (\phi^{0})^{2}\phi^{+}\phi^{-} + 2(\phi^{0})^{2}H^{2}] - \frac{1}{2}g^{2}\alpha_{h}[H^{4} + (\phi^{0})^{2}\phi^{+} + 2(\phi^{0})^{2}H^{2}] - 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W^-_{\mu}\phi^+) - ig \frac{1-2c_w^2}{2c_w} Z^0_{\mu}(\phi^+\partial_{\mu}\phi^- - \phi^-\partial_{\mu}\phi^+) +$ $igs_w A_u (\phi^+ \partial_u \phi^- - \phi^- \partial_u \phi^+) - \frac{1}{4} g^2 W_u^+ W_u^- [H^2 + (\phi^0)^2 + 2\phi^+ \phi^-] {\textstyle \frac{1}{4} g^2 \frac{1}{c^2} Z^0_\mu Z^0_\mu [H^2 + (\phi^0)^2 + 2(2s^2_w - 1)^2 \phi^+ \phi^-] - {\textstyle \frac{1}{2}} g^2 \frac{s^2_w}{c_w} Z^0_\mu \phi^0 (W^+_\mu \phi^- + g^2) + 2(2s^2_w - 1)^2 \phi^+ \phi^-] - {\textstyle \frac{1}{2}} g^2 \frac{s^2_w}{c_w} Z^0_\mu \phi^0 (W^+_\mu \phi^- + g^2) + 2(2s^2_w - 1)^2 \phi^+ \phi^-] - {\textstyle \frac{1}{2}} g^2 \frac{s^2_w}{c_w} Z^0_\mu \phi^0 (W^+_\mu \phi^- + g^2) + 2(2s^2_w - 1)^2 \phi^+ \phi^-] - {\textstyle \frac{1}{2}} g^2 \frac{s^2_w}{c_w} Z^0_\mu \phi^0 (W^+_\mu \phi^- + g^2) + 2(2s^2_w - 1)^2 \phi^+ \phi^-] - {\textstyle \frac{1}{2}} g^2 \frac{s^2_w}{c_w} Z^0_\mu \phi^0 (W^+_\mu \phi^- + g^2) + 2(2s^2_w - 1)^2 \phi^+ \phi^-] - {\textstyle \frac{1}{2}} g^2 \frac{s^2_w}{c_w} Z^0_\mu \phi^0 (W^+_\mu \phi^- + g^2) + 2(2s^2_w - 1)^2 \phi^+ \phi^-] - {\textstyle \frac{1}{2}} g^2 \frac{s^2_w}{c_w} Z^0_\mu \phi^0 (W^+_\mu \phi^- + g^2) + 2(2s^2_w - 1)^2 \phi^+ \phi^-] - {\textstyle \frac{1}{2}} g^2 \frac{s^2_w}{c_w} Z^0_\mu \phi^0 (W^+_\mu \phi^- + g^2) + 2(2s^2_w - 1)^2 \phi^+ \phi^-]$ $W_{\mu}^{-}\phi^{+}) - \frac{1}{2}ig^{2}\frac{s_{w}^{2}}{c}Z_{\mu}^{0}H(W_{\mu}^{+}\phi^{-} - W_{\mu}^{-}\phi^{+}) + \frac{1}{2}g^{2}s_{w}A_{\mu}\phi^{0}(W_{\mu}^{+}\phi^{-} +$ $W^{-}_{\mu}\phi^{+}) + \frac{1}{2}ig^{2}s_{w}A_{\mu}H(W^{+}_{\mu}\phi^{-} - W^{-}_{\mu}\phi^{+}) - g^{2}\frac{s_{w}}{s_{w}}(2c_{w}^{2} - 1)Z^{0}_{\mu}A_{\mu}\phi^{+}\phi^{-} - G^{2}_{\mu}G^{0$ $g^1 s_w^2 A_\mu \tilde{A}_\mu \phi^+ \phi^- - \bar{e}^\lambda (\gamma \partial + m_e^\lambda) e^\lambda - \bar{\nu}^\lambda \gamma \partial \nu^\lambda - \bar{u}_i^\lambda (\gamma \partial + m_u^\lambda) u_i^\lambda \bar{d}_{j}^{\lambda}(\gamma \partial + m_{d}^{\lambda})d_{j}^{\lambda} + igs_{w}A_{\mu}[-(\bar{e}^{\lambda}\gamma^{\mu}e^{\lambda}) + \frac{2}{3}(\bar{u}_{j}^{\lambda}\gamma^{\mu}u_{j}^{\lambda}) - \frac{1}{3}(\bar{d}_{j}^{\lambda}\gamma^{\mu}d_{j}^{\lambda})] +$ $\frac{ig}{4c_w}Z^0_{\mu}[(\bar{\nu}^{\lambda}\gamma^{\mu}(1+\gamma^5)\bar{\nu}^{\lambda}) + (\bar{e}^{\lambda}\gamma^{\mu}(4s^2_w - 1 - \gamma^5)e^{\lambda}) + (\bar{u}^{\lambda}_i\gamma^{\mu}(\frac{4}{3}s^2_w - 1 - \gamma^5)$ $(1 - \gamma^5)u_j^{\lambda}) + (\bar{d}_j^{\lambda}\gamma^{\mu}(1 - \frac{8}{3}s_w^2 - \gamma^5)d_j^{\lambda})] + \frac{ig}{2\sqrt{2}}W^+_{\mu}[(\bar{\nu}^{\lambda}\gamma^{\mu}(1 + \gamma^5)e^{\lambda}) + (\bar{\nu}^{\lambda}\gamma^{\mu}(1 + \gamma^5)e^{\lambda})] + (\bar{\nu}^{\lambda}\gamma^{\mu}(1 + \gamma^5)e^{\lambda}) +$ $(\bar{u}_{i}^{\lambda}\gamma^{\mu}(1+\gamma^{5})C_{\lambda\kappa}d_{i}^{\kappa})] + \frac{ig}{2\sqrt{2}}W_{\mu}^{-}[(\bar{e}^{\lambda}\gamma^{\mu}(1+\gamma^{5})\nu^{\lambda}) + (\bar{d}_{i}^{\kappa}C_{\lambda\kappa}^{\dagger}\gamma^{\mu}(1+\gamma^{5})\nu^{\lambda})]$ $\gamma^{5}(u_{i}^{\lambda})] + \frac{ig}{2\sqrt{\sigma}} \frac{m_{e}^{\lambda}}{M} [-\phi^{+}(\bar{\nu}^{\lambda}(1-\gamma^{5})e^{\lambda}) + \phi^{-}(\bar{e}^{\lambda}(1+\gamma^{5})\nu^{\lambda})] -$

 $\begin{array}{l} \gamma \left[y_{4}^{2} \right] _{2} = \frac{1}{2\sqrt{2}} \frac{1}{M} \left[-\psi^{*}\left(\psi^{*}\left(1 - \gamma^{*}\right) e^{*}\right) + \psi^{*}\left(e^{*}\left(1 + \gamma^{*}\right) e^{*}\right) \right] - \\ \frac{g}{2} \frac{m^{2}}{M} \left[H\left(e^{\lambda} e^{\lambda} \right) + i\phi\left(e^{\lambda} \gamma^{5} e^{\lambda} \right) + \frac{g}{2M\sqrt{2}} \psi^{*}\left[- m^{*}_{k}\left(\bar{u}_{j}^{2} C_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) + \\ m^{*}_{u}\left(\bar{u}_{j}^{2} C_{k\kappa}(1 + \gamma^{5}) d^{*}_{j} \right) = \frac{g}{2M\sqrt{2}} \psi^{*}\left[m^{*}_{k}\left(d^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - m^{*}_{u}\left(d^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C_{k\kappa}(1 + \gamma^{5}) d^{*}_{j} \right) = \frac{g}{2M\sqrt{2}} \psi^{*}\left(u^{*}_{j} C^{*}_{j\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - m^{*}_{u}\left(d^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) = \frac{g}{2M\sqrt{2}} \psi^{*}\left(u^{*}_{j} C^{*}_{j\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^{*}_{k\kappa}(1 - \gamma^{5}) d^{*}_{j} \right) - \\ m^{*}_{u}\left(u^{*}_{j} C^$

 $\begin{array}{l} \gamma^{5} u_{j}^{*}] &= \frac{g}{2} \frac{m_{\lambda}}{M} H(\bar{u}_{j}^{*} u_{j}^{\lambda}) - \frac{g}{2} \frac{m_{\lambda}}{M} H(\bar{d}_{j}^{\lambda} d_{\lambda}^{\lambda}) + \frac{ig}{2} \frac{m_{\lambda}}{M} \phi^{0}(\bar{u}_{j}^{\lambda} \gamma^{5} u_{\lambda}^{\lambda}) - \\ \frac{ig}{2} \frac{m_{\lambda}}{M} \phi^{0}(\bar{d}_{j}^{\lambda} \gamma^{5} d_{\lambda}^{\lambda}) + \bar{X} + (\partial^{2} - M^{2})X^{+} + \bar{X} - (\partial^{2} - M^{2})X^{-} + \bar{X}^{0}(\partial^{2} - \\ \frac{dc_{\mu}}{M} Y^{0} + \bar{Y} \partial^{2}Y + igc_{w} W_{\mu}^{+}(\partial_{\mu} \bar{X} \nabla X^{-} - \partial_{\mu} \bar{X}^{+} X^{0}) + igs_{w} W_{\mu}^{+}(\partial_{\mu} \bar{X} Y^{-} - \\ \partial_{\mu} \bar{X}^{+}Y) + igc_{w} W_{\mu}^{-}(\partial_{\mu} \bar{X}^{-} X^{-} - \partial_{\mu} \bar{X}^{0} X^{+}) + igs_{w} W_{\mu}^{-}(\partial_{\mu} \bar{X} Y^{+} - \\ \partial_{\mu} \bar{X} X^{+}) + igc_{w} Z_{\mu}^{0}(\partial_{\mu} \bar{X}^{+} X^{+} - \partial_{\mu} \bar{X}^{-} X^{-}) + igs_{w} A_{\mu}(\partial_{\mu} \bar{X}^{+} X^{-} - \\ \partial_{\mu} \bar{X} \bar{X}^{-}) - \frac{i}{2} g M [\bar{X}^{+} X^{+} H + \bar{X}^{-} X^{-} H + \bar{X}^{-} \bar{X}^{0} X^{0} H] + \end{array}$

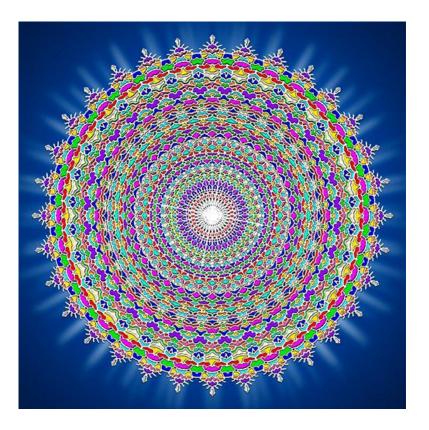
 $\begin{array}{l} \begin{array}{l} u_{\mu}X = V \\ \overline{2} g_{\nu} M [\bar{X} + X^{0} \phi^{+} - \bar{X}^{-} X^{0} \phi^{-}] + \frac{1}{2c_{w}} igM [\bar{X}^{0} X^{-} \phi^{+} - \bar{X}^{0} X^{-} \phi^{+}] + \\ ugMs_{w} [\bar{X}^{0} X^{-} \phi^{+} - \bar{X}^{0} X^{+} \phi^{-}] + \frac{1}{2} igM [\bar{X}^{+} X^{+} \phi^{0} - \bar{X}^{-} X^{-} \phi^{0}] \end{array}$



No "element of reality" (Einstein) is missing from the formalism of physics.

The solutions to the equations encode the values of consciousness.

#11 The Hard Problem of Consciousness is Solved



Any satisfactory theory of consciousness should explain:

- 1. Its Existence
- 2. Binding
- 3. Palette of Qualia
- 4. Causal Power

By 3000 only one conjecture with predictive power has not been falsified...

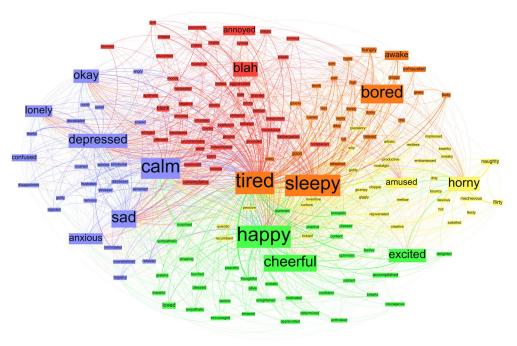
#12 The Meaning of Life Resolved



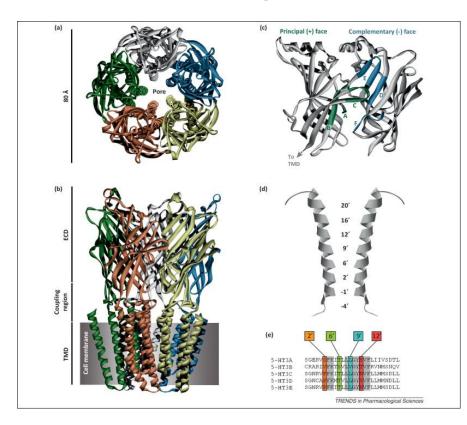
- Depressive states seem/feel "absent of meaning"
- Manic and hyperthymic states feel "saturated with significance"
- The key to meaning is valence/hedonic tone/bliss
- Hence, in the year 3000 every moment is sublimely meaningful

#13 Beautiful New Emotions

- Darwinian emotions have been retired
- Novel emotions synthesized
 - Their "raw feels" encephalised and integrated into the CNS
- All emotion is beautiful



#14 Effectively Unlimited Material Abundance



- Molecular nanotechnology manufacturing
- Status goods
- Artificially scarce digital goods
 - Played an instrumental role in bootstrapping an economy of abundance but are no longer necessary
- Critically: the substrate of pure bliss need to be rationed...

#15 Posthuman Aesthetics

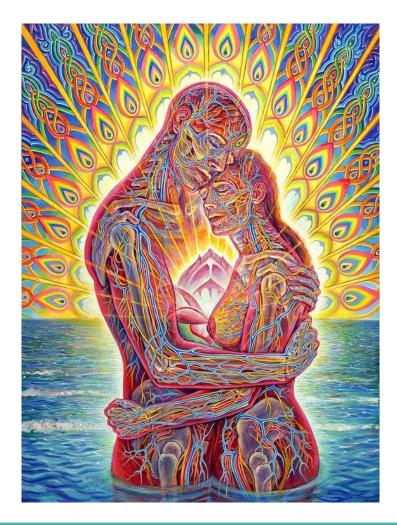
- Molecular signatures of aesthetic experience has been catalogued and studied in depth
- Superhuman beauty is the norm in the experience of transhumans
- What passed for "Great Art" in the Darwinian era looks like cave painting
- Blissful but not "blissed out"



#16 Gender Transformation

- "Gender" is a thing of the past
- "Gendered" cognitive styles are universally accessible to all transhumans
 - empathizing
 - systematizing
- Many transhumans are:
 - asexual
 - pan-sexual
 - hyper-sexual
 - sexually-inquisitive





#17 Physical Superhealth

- "Better than well"
- SCN9A "low pain" alleles
- Paradise engineering as a rigorous discipline

#18 World Government

- Policy is offloaded to ultra-intelligent (game-theoretically optimal) zombie Al
- Conflict-resolution procedures involve "mind-melds"



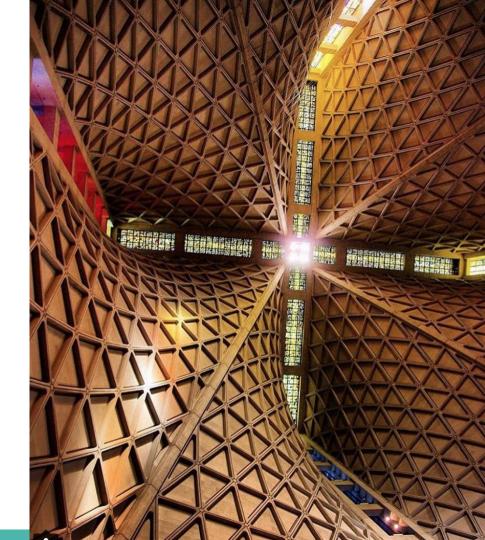
#19 Historical Amnesia

- Suffering is literally *inconceivable*
- Posthumans can understand experience below "hedonic zero" only by analogy ("phase transition")
- Will Darwinian life be memorialized or forgotten?
- We don't *enjoy* reading about the Dark Ages...



#20 Super-Spirituality

- Refine, amplify, and re-purpose the molecular signatures of spiritual experience
- Are these *glorified tickles* or is there something more to it? Only time will tell...
- Perhaps personal identity is key here: Open Individualism and enhanced hedonic tone as the default mode could be the key to Super-Spirituality



#21 The Reproductive Revolution

- Reproduction is uncommon in a post-aging society
- Transhumans are "born" from extra-uterine environments
- No more reckless genetic experimentation of having "kids the natural way"



#22 Globish ("English Plus")



- Automated real-time translation lead to... Globish
- Spoken, written, or
 "telepathically" communicated to
 "humble minds" who have not
 uplifted...
- For others:
 - Language "translation" attempts between paradigmatically inconmensurable state-spaces of consciousness exist, but...
 - Untranslatable state-specific concepts abound

#23 Plans for Galactic Colonization

- 3rd Millennium Terraforming:
 - Cryonics, crude reward pathway enhancement, immersive VR, and breakthrough rocket propulsion...
 - Early stages for nearby solar systems, but...
- 4th Millennium Space Expansion:
 - Big Debate: Light-speed Hedonium
 Seeding vs. Gradients of Bliss Biology
 - No one objects to replacing unprogrammed matter with the molecular substrate of pure bliss



#24 The Momentous "Unknown Unknown"

- "And then I woke up"
- Are we missing the *key to the plot* for reality as a whole?
- Examples:
 - Buddhist Nirvana, The Second Coming of Christ, Simulation Hypothesis, Al Intelligence Explosion, "The Singularity", Mysterianism
- Ancient skeptics were perhaps more in touch with their level of understanding than intellectual titans like Plato and Aristotle



What next? How can I contribute?

- Headquarters
- Visiting Scholars
- Investigating the molecular substrate of pure bliss
 - In-vitro "mini brains"
 - MDMA intracellular signaling
- Transcranial Magnetic Stimulation (taking the "God Helmet" further)
- Empirically testing theories for the pleasure-pain axis (valence)
- Reverse-engineering "mystical experiences" (felt sense of Open Individualism) and prosocial empathogenic states
- "The Manhattan Project of Consciousness"

Resources

- David Pearce's articles. Salient articles:
 - <u>The Hedonistic Imperative</u>
 - The Biointelligence Explosion
 - <u>Compassionate Biology</u>
 - <u>Non-materialist Physicalism</u> (an empirically-testable panpsychist theory of consciousness)
- Qualia Research Institute
- **Qualia Computing** (Andrés Gómez Emilsson, QRI co-founder). Salient articles:
 - <u>Wireheading Done Right</u>
 - <u>Hyperbolic Geometry of DMT Experiences</u>
 - Qualia Formalism
 - Quantifying Bliss
- **Open Theory** (Mike Johnson, QRI co-founder). Salient articles:
 - <u>A Future for Neuroscience</u>
 - Principia Qualia
 - Why we seek out pleasure: the Symmetry Theory of Homeostatic Regulation