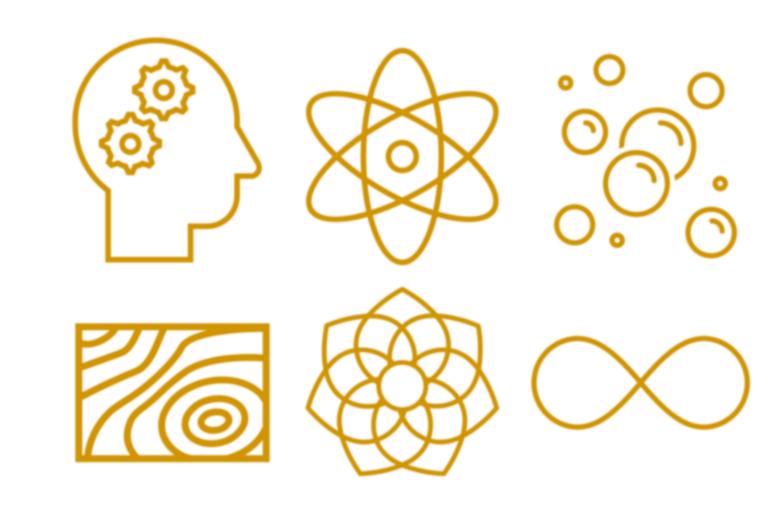
How Close is a Scientific Theory of Consciousness?

Dr. Michael Daw





About Science Experience



First Place - \$50,000

\$100,000 Annual Prize Administered by IONS

Linda G. O'Bryant Noetic Sciences Research Prize

Exploring the hypothesis that mind is more than neural function

Theories of Non-local Consciousness: A Review and Framework for Building Rigour

Michael Daw and Chris Roe

In recent decades, significant scientific effort has been directed toward understanding consciousness, with most work adhering to physicalist theories that equate mind with brain activity. These theories often depict consciousness either as an illusion or a hyproduct of physical processes. However, despite advancements, consciousness remains a profound

This Talk

What is consciousness? Brain-based theories

Disturbing phenomena

Theories of a non-local consciousness

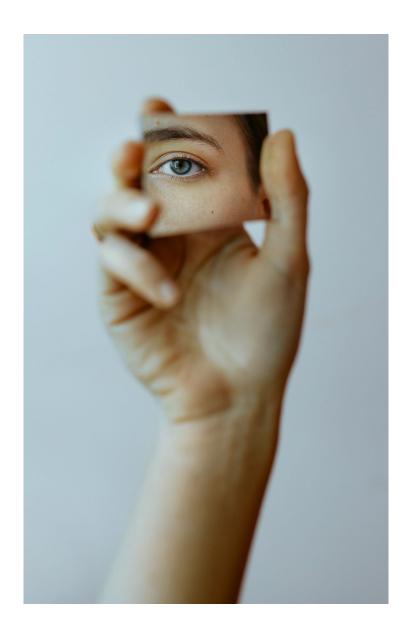
How effective are the theories?

Proposals to make better theories...



"What does it feel like to be you...?"

Nagel, T. (1974). What is it like to be a bat? *Philosophical Review*, *83*, 435–450.



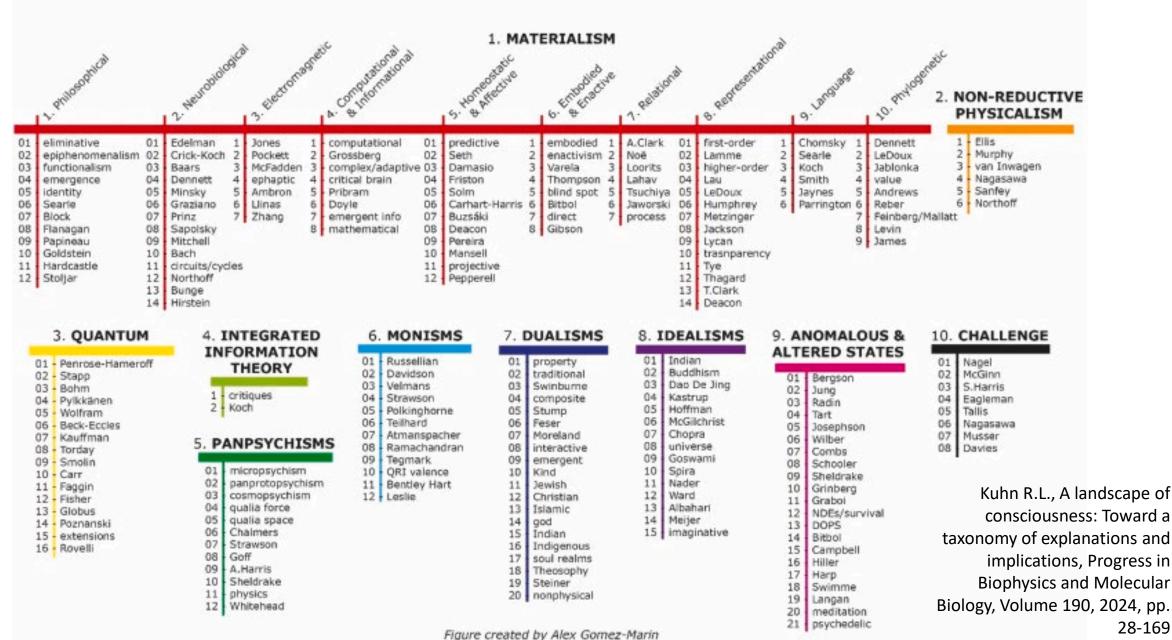
What is Consciousness?

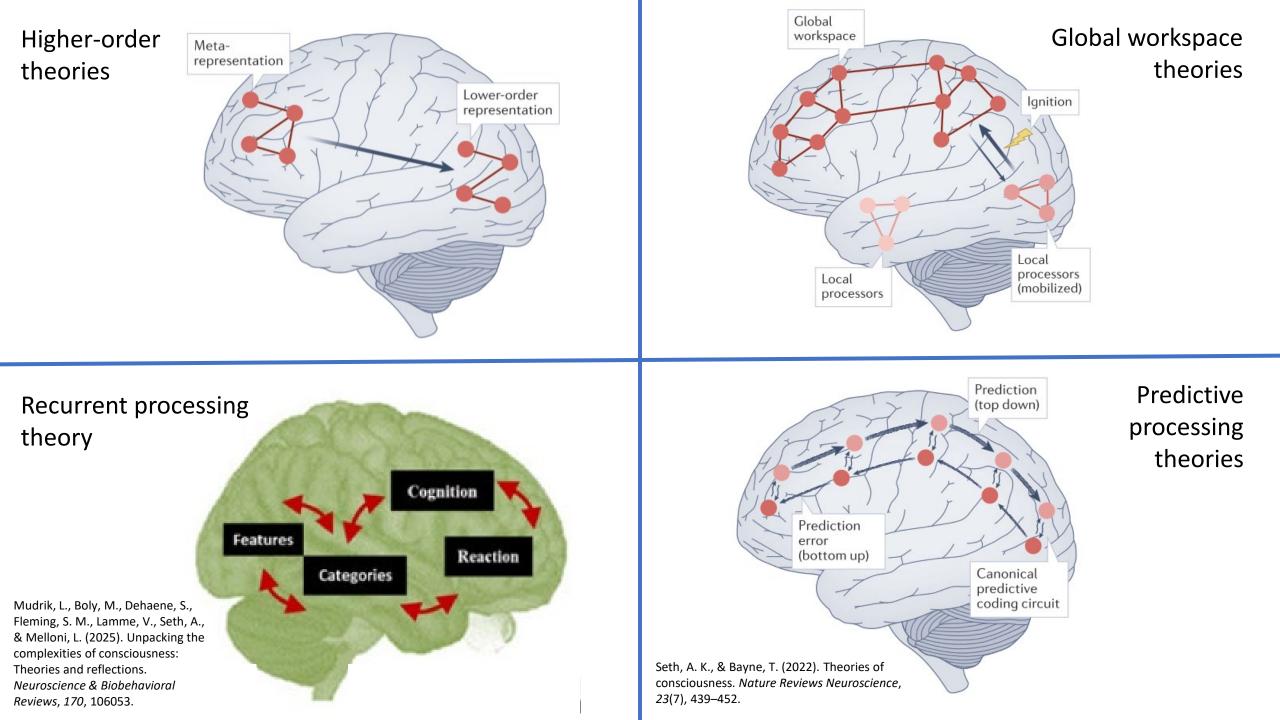
- 1. Private, personal, and unitary
- 2. Subjective phenomenal experiences ('qualia')
- 3. Distinct states of consciousness
- 4. Zombie problem
- 5. Free will
- 6. Conscious vs. non-conscious entities

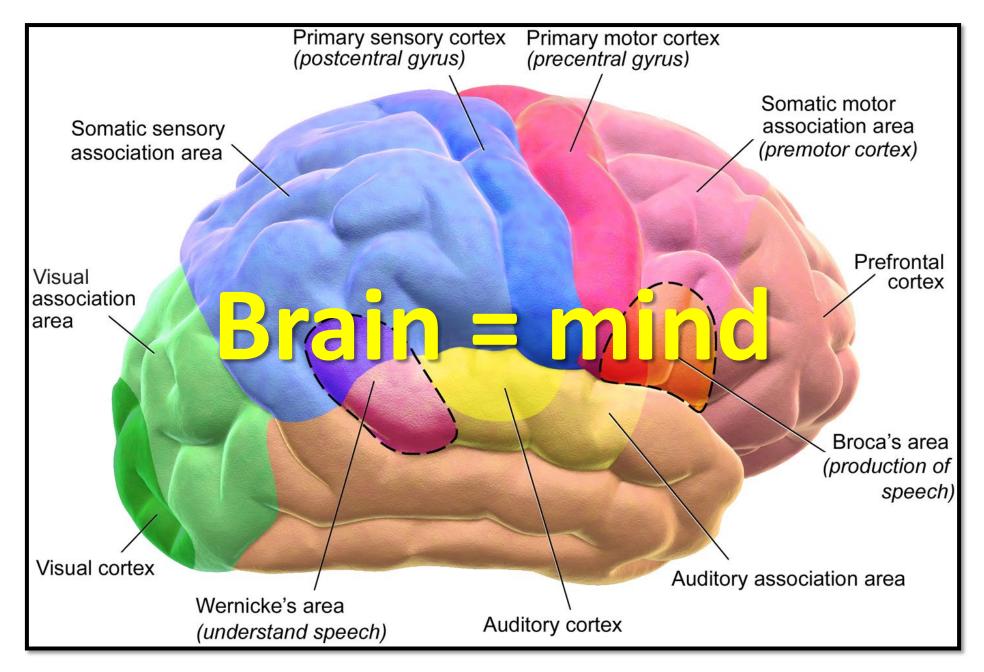


A LANDSCAPE OF CONSCIOUSNESS

Robert Lawrence Kuhn





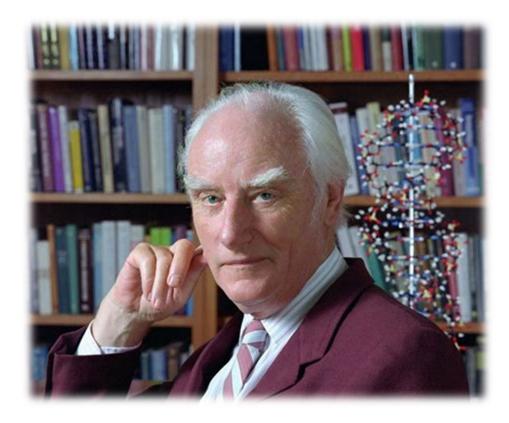


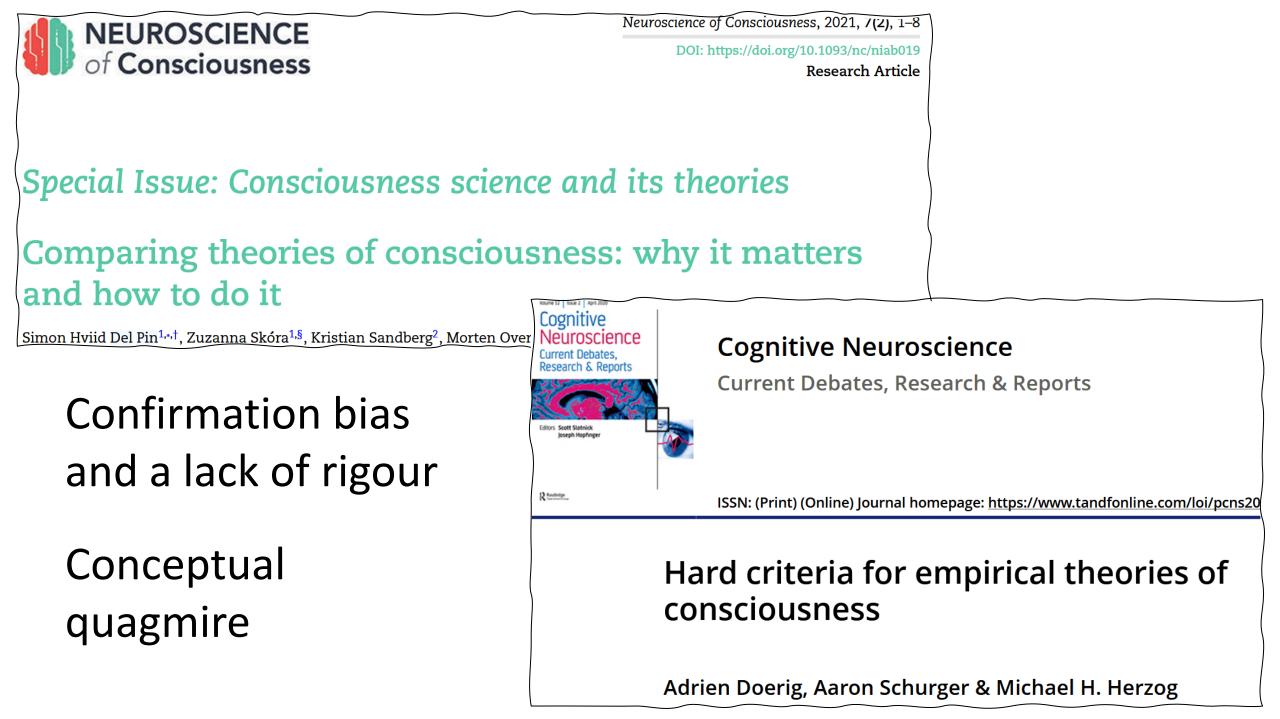
This Photo by Unknown Author is licensed under CC BY-SA

The Astonishing Hypothesis

"Your joys and sorrows, your memories and your ambitions, your sense of personal identity and free will, are in fact no more than the behaviours of a vast assembly of nerve cells and their associated molecules

You're nothing but a pack of neurons." Francis Crick (1994, p. 1)











Animal Behaviour Volume 194, December 2022, Pages 239-251

Do bumble bees play?

Hiruni Samadi Galpayage Dona a 📯 🖾 , Cwyn Solvi ^{a b}, Amelia Kowalewska ^a, Kaarle Mäkelä ^b,

HaDi MaBouDi ^c, Lars Chittka ^a

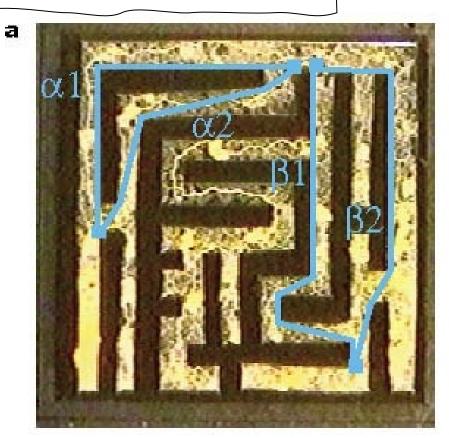
nature

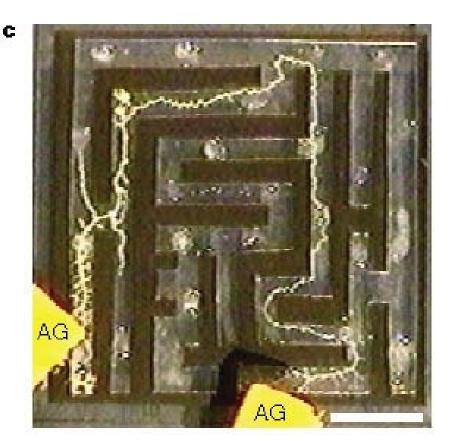
Brief Communication Published: 28 September 2000

Intelligence

Maze-solving by an amoeboid organism

<u>Toshiyuki Nakagaki</u>[™], <u>Hiroyasu Yamada</u> & <u>Ágota Tóth</u>







"As of now, no physicalist theory can explain a single specific conscious experience ... We have these theories of conscious experiences that cannot explain any conscious experiences"

Don Hoffman, 2024 Science of Consciousness, Tuscon

https://youtu.be/ YK4ML3HLgo?si=PS7xFhdBYnjG3 pY

'Disturbing' Phenomena

Consciousness can...

- 1. Exist independently of the brain
 - NDEs
 - Terminal lucidity
 - Brain impairment
- 2. Be disembodied
 - After-death communications
 - Mediumship
 - Reincarnation



Daniel R from Pixabay

'Disturbing' Phenomena

Consciousness can...

- 3. Be unconstrained by space and time
 - Telepathy
 - Precognition
- 4. Influence matter directly
 - Psychokinesis
 - Energy healing

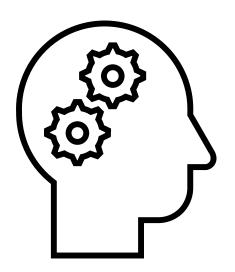


Peace,love,happiness from Pixabay

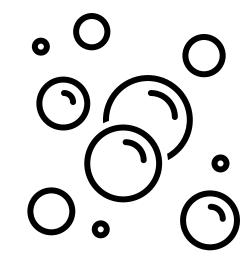
Theories of a Non-Local Consciousness



Image by <u>Brian Jones</u> from <u>Pixabay</u>

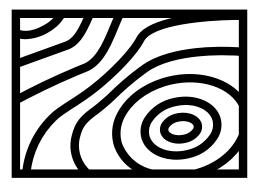


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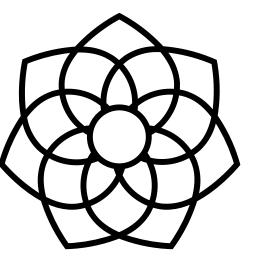


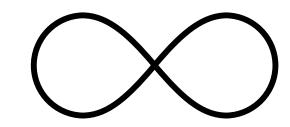
Hyperdimensional

Brain-based



Quantum





In Everything

All There Is

Fields

Consciousness is Hyperdimensional (Close & Neppe)

Three dimensions of space

Three dimensions of time

At least three dimensions of consciousness

Vortices as structural forms of reality

Gimmel-consciousness could explain...

- Atomic structures
- Life
- Dark matter/dark energy



വ ppears https:, www.beautyofplanet.com/giant-spiralmid-the iuro lights alas kas night-sky

Beyond Time, Space & Death (Close & Neppe)

Telepathy, clairvoyance – information transfer through vortices across dimensions of consciousness

Disembodied 'soul' – vortices in consciousness dimensions (no spatial and time dimensions)

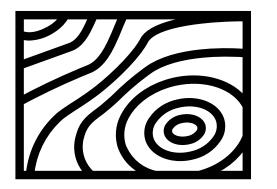
https://www.erclosetphysics.com/2013/07/s cientists-solve-50-year-physics-puzzle.html



Consciousness is Electromagnetic (Diane Hennacy)

Brain interfaces with non-local consciousness via electromagnetic fields

Biophotons create a holographic field == 'subtle body' or 'aura'





Telepathy

(Diane Hennacy)

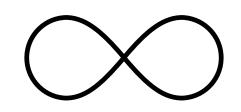
"If we have an antenna capable of detecting Extremely Low Frequency waves in the same frequency range as human [theta] brainwaves, the possibility of telepathy does not seem to be as big of a stretch.



Nonetheless, if telepathy is real, why wouldn't more of us experience it? Perhaps the magnetite lining our skulls can also serve as a shield to protect the privacy of our thoughts and limit potentially undesirable outside influences."

Hennacy, D. M. (2024). The Neuroscience of Savant Syndrome, Enlightenment, and Other Extraordinary States. In L. J. Miller (Ed.), *The Oxford Handbook of Psychology and Spirituality*. Oxford University Press.

Conscious Agents (Don Hoffman)



Spacetime does not exist as we perceive it

World like a computer interface where icons represent underlying reality Physical world arises from conscious agents outside of spacetime Mathematical models of conscious agents can explain **everything**

口)))

>universe+

Positive Geometry in Particle Physics and Cosmology



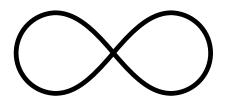
European Research Council Established by the European Commission

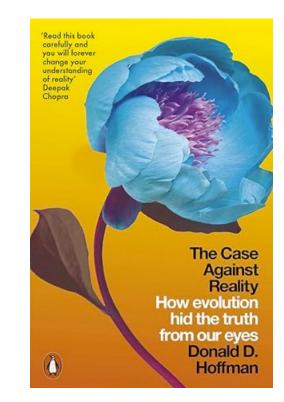
Survival After Death? (Don Hoffman)

Life is like a virtual reality game of beach volleyball. A player might remove his:

"headset and body suit. His avatar collapses onto the sand, inert and unresponsive. But he's fine. He just stepped out of the virtual-reality interface. When we die, do we simply slip out of the spacetime interface of homo sapiens? I don't know"

(Hoffman, 2020b, p. 201)





1. No theory (brain-based or non-local) sufficiently accounts for properties of consciousness

2. Brain-based theories cannot account for disturbing phenomena ...

3. ... But non-local theories also fall short

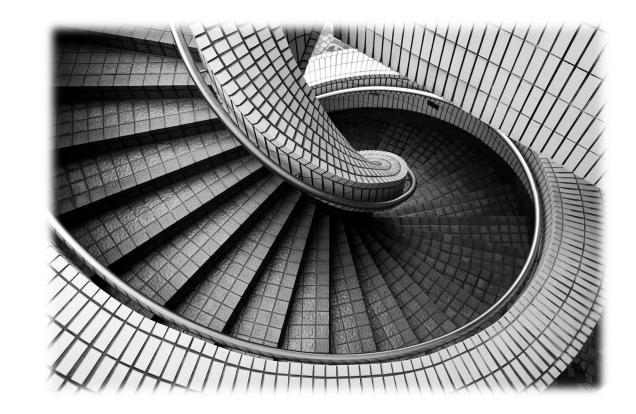
4. Brain-based theories are generally better as scientific theories ...



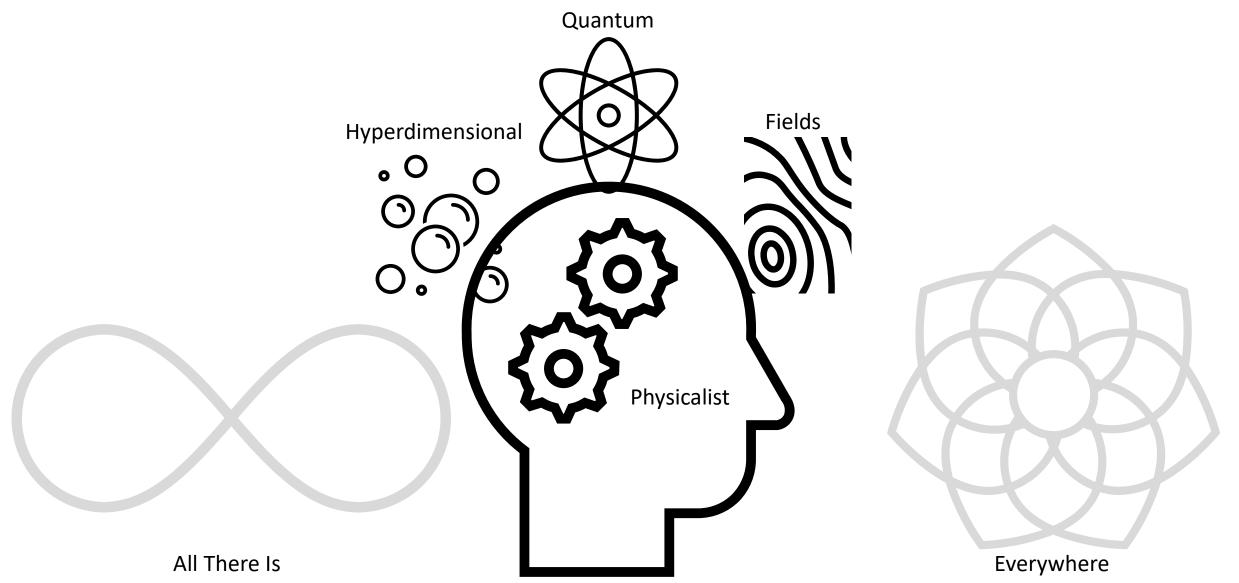
5. ... Although some non-local theories (Hameroff & Penrose, Hennacy, Sheldrake, and Hoffman) also fare well in this respect

How can we make progress?

- 1. Integrate theories
- 2. Predict, Test, Refine, Repeat



Integrating Theories of Consciousness



Testing Consciousness – Precognition



Do you have psi abilities?

Many people have had precognitive dreams or successful intuitive hunches and would like to know if they might have psychic (or "psi") abilities. To provide a simple way to explore these abilities, this site provides a suite of psi tests. **The tests are fun** (and use validated statistics) and you'll get immediate feedback about your performance. There are also various "Halls of Fame" where you can compare your performance with others.

Keep in mind that your results should only be considered suggestive, because high scores in these tests can be due to chance as well as to actual abilities. Only repeated testing can distinguish between luck and genuine psi abilities.

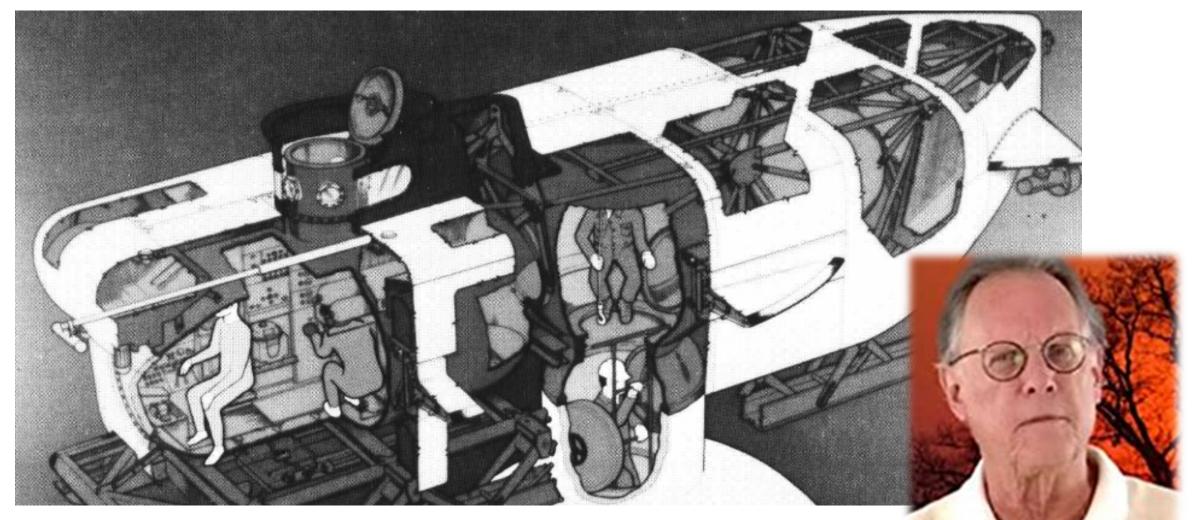
This site is part of a research program to assess if psi is genuine. Because of that, you will be asked to **first perform some psi tests and fill up a survey**. After that, you will be

able to access the rest of the games. We apologize for the hassle, it to pay to access these free games. If you perform well on the tests, contacted and paid to perform additional tests. The tests are entirely a 3+ star rated non-profit 501(c)(3) organization, and **we rely on do sell your personal data**. We will never email you marketing materiplease email research at noetic.org.



Dean Radin

Testing Consciousness – Electromagnetism



800km distant, 360m deep

Stephan Schwartz

arross watter e a voods y acc garden Japanese

"Highly suggestive, if preliminary" (Schwartz, 1979)



Case Closed?

"It would be lovely to replicate [this experiment] but it seems unlikely to ever happen, given the scarcity of deep ocean submersibles, and their cost of operation. One thing is certain: no ELF communications expert could ever explain what happened" (Schwartz, 2014)

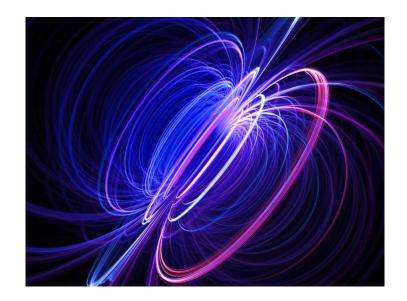


However...

ELF waves only properly shielded at greater than 2000m sea depth

Qubits can encode complex information with minimal bandwidth (Boyle, 2024)

https://www.sciencealert.com/alien-phone-callscould-be-quantum-and-were-not-ready-to-hear-them





Diane Hennacy

Thank you for your attention!

michael.daw@northampton.ac.uk



