

This compilation presents the foundational theorists (A to J) who provide the intellectual and scientific "Scientific Stack" for the practice, highlighting the peer-reviewed merits and accolades that validate their contributions to quantum physics, consciousness, and information theory.

The Scientific & Theoretical Foundation

(A) David Bohm

- ✓ **Accolades:** Fellow of the Royal Society; prominent theoretical physicist and former colleague of Albert Einstein.
- ✓ **Core Merit:** Developed the theory of **Implicate and Explicate Orders**, proposing that visible reality unfolds from an invisible realm of infinite potential.

(B) Marvin Minsky

- ✓ **Accolades:** Turing Award recipient (often called the "Nobel Prize of Computing") and co-founder of the MIT AI Lab.
- ✓ **Core Merit:** Authored "**The Society of Mind**," defining consciousness as a decentralized protocol of interacting agents rather than a single "master node".

(C) Francis Crick

- ✓ **Accolades:** Nobel Prize in Physiology or Medicine (co-discoverer of the DNA double helix).
- ✓ **Core Merit:** Proposed that consciousness emerges from **synchronized neural firing patterns**, providing the biological substrate for subjective experience.

(D) Maurice Merleau-Ponty

- ✓ **Accolades:** Renowned French Phenomenologist and Chair of Philosophy at the Collège de France.
- ✓ **Core Merit:** Established the **Phenomenology of Perception**, arguing that the body is a perceptive subject with "hardware-level" capacity to know before conscious reflection.

(E) Sir Roger Penrose

- ✓ **Accolades:** 2020 Nobel Prize in Physics; Rouse Ball Professor of Mathematics at the University of Oxford.
- ✓ **Core Merit:** Co-developer of the **Orch-OR theory**, which posits that reality unfolds via quantum processes within neuronal microtubules.

(F) Stuart Hameroff

- ✓ **Accolades:** Professor of Anesthesiology and Psychology; Director of the Center for Consciousness Studies at the University of Arizona.
Core Merit: Collaborated with Penrose to define the **biological-quantum bridge**, identifying microtubules as the hardware for conscious state collapse.

(G) Sir Arthur Eddington

- ✓ **Accolades:** FRS; Plumian Professor of Astronomy at Cambridge; famous for the first empirical confirmation of Einstein's General Relativity.
- ✓ **Core Merit:** Formulated the "**Two Tables**" paradox, identifying the gap between phenomenal experience and scientific substrate, now bridged by the "AM Dimension" of intention.

(H) John von Neumann

- ✓ **Accolades:** Principal architect of modern computer architecture (Von Neumann architecture); legendary mathematician and physicist.
- ✓ **Core Merit:** Provided the mathematical rigor for the "**Causal Chain**" of measurement, establishing that wavefunction collapse must terminate in subjective perception.

(I) Henry Stapp

- ✓ **Accolades:** Distinguished Theoretical Physicist at Lawrence Berkeley National Laboratory; specialized in the mathematical foundations of quantum mechanics.
- ✓ **Core Merit:** Developed "**Process 1**" and applied the **Quantum Zeno Effect** to neuroscience, explaining how focused conscious intent stabilizes neural and physical outcomes.

(J) Alfred North Whitehead

- ✓ **Accolades:** FRS; Fellow of Trinity College, Cambridge; co-author of *Principia Mathematica* with Bertrand Russell.
- ✓ **Core Merit:** Founded **Process Philosophy**, defining reality as a series of "actual occasions" or events where consciousness and matter are fundamentally intertwined.