

The Changing
Worldview, Neuroscience, Quantum
Philosophy & Spiritual Experiences

Introduction

- Why did I choose this topic?
- A number of recent books: *Spirituality & Quantum Philosophy (QP)*
- Began to study Quantum Physics = Quantum Mechanics (QM) & Neuroscience (NS)
- QM is a “weird” and difficult subject
- But it might explain some aspects of spiritual experiences (SE)

Neuroscience

- Seeing a relation between Neuroscience (NS), QM and SE began with the “Energy Turn”: a shift from an emphasis on
- structures to processes
- parts to the whole
- entities to networks of relationships
- NS discovered a biomagnetic field around our body & each organ – which can influence the fields of other people (the “healing touch”)

Energy Medicine

- “Energy medicine” or “integrative medicine” includes “alternative medicines” like Reiki, Qi Gong, acupuncture, therapeutic touch, etc.
- Sometimes people have SE during these treatments – in a state of deep relaxation
- Magnetometers measure the biomagnetic fields, how illness changes them, & how the “healing hands” of nurses changes them again

Healing Hands

- Nurses have said, they must become aware of their own energy field and connect their consciousness with the client's field and "the universal energy field"
- Healing hands work because the perineural system is sensitive to magnetic fields & spreads brainwaves very fast through the body

Mirror Neurons

- Discovery of “Mirror Neurons” – with which we can experience the actions, intentions & emotions of other people
- Due to mirror neurons & energy fields we can experience many connections with other people. – Could this lead to more empathy?
- Some Buddhists practice “compassion meditation”
- But mirror neurons can be deadened

QM, QP and SE

- QM is the basis of 1/3 of GNDP (of developed nations)
- **What is the difference between QM & QP?**
- QM = what can be proved by experiments
- QP = what can be inferred from QM

QM & inferences of QP

- **Heisenberg's Uncertainty Principle:**
Cannot determine place & movement of a (probabilistic) action quantum simultaneously
- **Non-locality:**
A wave can be in two places at once
- **QP: Shaman's travels, OOB, NDEs, etc.**
- **Quantum entanglement:**
Quantum elements, once in contact, still in connection
A change in one causes a change in the other
- **QP: telepathy, remote viewing, deja-vu, clairvoyance, past life experiences, etc.**

- **Observation effect:**

Turns a probabilistic action quantum into a wave or a particle

- **QP:** this implies a **“deep”dimension** beyond spacetime (collapse into a Newtonian state),
= “field of potentialities” = “quantum vacuum”
= **“field of universal consciousness”** from which we can receive information, e.g., when **scientists** experience their **insights** in the shower

- David Bohm calls this the “**Implicate Order**” – the dimension from which **manifest entities, natural laws, thoughts, ideas** and **consciousness “enfold”**.
- **QP** (of some Quantenphilosophers): **Spiritual practices** could make us receptive for this
- **In-formation** from the **Implicate Order**.

Some Conclusions

- **QP & NS seem to be able to explain some SE**
- **Could a more widespread understanding of the above, the “implicate order” and that everything is in movement, interdependent, & interconnected – could this help all human beings to have more empathy for others?**