

## ANNEXURE

The diversity of opinion that exists on the question of consciousness among scientists can be seen from the following extreme views.

Francis Crick Nobel Laureate "Your Joys, your sorrows, your memories and your ambitions, your sense of personal identity and free-will, are in fact no more than the behaviour of a vast assembly of nerve cells and their associated molecules."

On the other hand, the famous brain surgeon, Penfield: "I can dissect and analyse any part of the brain and can do so even in more detail and sophisticated way. Yet it is frustrating to think that however hard I probe I cannot find where some one's consciousness is or his sense of humour."

The AI Scientist, Mervin Minsky of M.I.T.: "The brain's action is just like that of a computer. Conscious perception arises as a manifestation of mere carrying out of computations"

David Bohm: "Thought processes and Quantum Systems are analogous in that they cannot be analysed too much in terms of the distinct elements, because the intrinsic nature of each element is not a property existing separately from and independent of other elements, but instead a property that arises particularly from relations with other elements."

Roger Penrose: "Perhaps it is not too fanciful to suggest that quantum correlations could be playing an

operative role over large regions of the brain. Might there be any relation between a "State of Awareness" and a highly coherent quantum state in the brain? Is the oneness and globality that seems to be a feature of consciousness connected with this? It is too tempting to believe so."

Schrodinger:"....Let us see whether we cannot draw the correct non-contradictory conclusion from the following two premises:

(i) My body functions as a pure mechanism according to the Laws of Nature.

(ii) Yet I know, by incontrovertible direct experience, that I am directing its motions, of which I foresee the effects, that may be fateful and all important, in which case I feel and take full responsibility for them.

The only possible inference from these two facts is, I think, that I - I in the widest meaning of the word, that is to say every conscious mind that has ever said or felt "I" - am the person, if any, who controls the "motion of atoms" according to Laws of Nature.

....."In itself, this insight is not new. The earliest records, to my knowledge, date back some 2500 years or more. From the early great upanishads the recognition ATMAN=BRAHMAN (the personal self equals the omnipresent, all comprehending eternal self) was in Indian thought considered, far from being blasphemous to represent the quintessence of deepest insight into the happenings of the world. The striving of all the scholars of Vedanta was, after having learnt to pronounce with their lips, really to assimilate in their minds this grandest of all thoughts."