“Entanglement Age”
Contemporarily emerging culture from Quantum Entanglement.

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When two quantum systems (electrons, photons of light, phonons of the sound, etc ...) interpenetrate each other (Entangled Systems) is determined a new state that presents new synergies changing the quality of the physical systems involved. “Entangled Systems” in fact do not behave as isolated systems, but as complex sets showing simultaneity of information. Therefore, in the presence of entanglement, a change made on one part of a coupled system instantly determines a symmetric change in the state of the other side of the other system. This simultaneity of information appears inconsistent with the conceptions of "mechanics" of physics, all based on localized single systems and also appears to undermine the principle of the constancy of the speed of light that does not allow the simultaneity of events, except as the case of a random situation.

Therefore, to understand "Entangled Systems", starting from that show the experiment of Alain Aspect (1982), become a need to accept the evidence of an at distance "synchronized behavior", that have been excluded for more than a century from the traditional science only for academic interest, because such synchronism gave rise to an embarrassing paradoxical situation that led scientific academy to not being able to avoid the obvious conclusion that "quantum mechanics" was an incomplete theory of particle physics. (1)

In fact, under the usual setting of Quantum Mechanics's the admission of the simultaneous correlation of information, would correspond to exceed the Heisenberg Uncertainty postulate for all cases that can be obtained “Entangled Systems". Entanglement is a the word used for the first time by Erwin Schroedinger (1926), and it is synonymous with the words "plot, intrigue, penetration, sharing, coupling", and it brings with a key to understanding the science, to forecast a more complete development of contemporary scientific and technological knowledge, in order to create a different perspective of major theoretical and applicative investigations on
nano-technologies, but also the “quantum entanglement” allow the opening of new solutions in the elaboration of quantum information and in many other innovative aspects of contemporarily science. Unfortunately, the academic science, as we recognize the history of ideas, often it is unable to overcome their conceptual limits. See e.g. a dialog on "What happens between darkness and light" (2)

From the above dialog follows that the visible light emitted as photons from the sun, reaching its maximum speed when photons travelling in the space enrich a low density of interactions. In this condition photons become very close to the speed of light and they lose their "kinetic mass" (m = E/c^2), therefore photons can be "entangled" forming a simultaneous field of information energy ("photonic field") that behaves like a pure stationary waves oscillating in a large extension of the space. When such a “photonic field” interacts with the Earth's atmosphere, stationary extended waves of simultaneously information, crash, and the photonic field is decoded back into single photons travelling in the form of small particles. This dynamic of transformation between single photons and the photonic field provides a plausible explanation as to why we effectively see almost at the same time the rising and setting sun on the horizon.

Such an short interpretation involves a more complex theory on the space/time quantization based on four-vector transformation, tis theory that makes a plausible evolution of quantum relativity, which will give impetus to a new paradigm of science for the development of future society of shared knowledge.(3),(4)

ENTANGLEMENT AND PHOTONIC'S WAVE FIELD
The formation of a group discussion on the Entanglement on Facebook and its prospects for change by means a systems of Entangled Minds now is open to all who wish to deepen the development of new ideas in science and art to reinvent the paradigm of contemporarily knowledge society.

BIBLIO ON LINE
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