News

Transatlantic Excess Brain Correlations Are Experimentally Produced by Persinger's Group

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ABSTRACT

Michael A. Persinger and his research team at Laurentian University, Canada, have achieved new breakthroughs which are published in this Focus Issue. These new results include the experimental production of excess brain correlations across the Atlantic Ocean as measured by QEEG. If independently confirmed, these results represent important progress in the fields of biological quantum entanglement, consciousness research and parapsychology.

Keywords: Transatlantic, excess brain correlations, rotating magnetic field, QEEG, biological quantum entanglement.

Michael A. Persinger

Michael A. Persinger at Laurentian University, Canada, has been a pioneer in the field of experimental studies of mystical experiences and is known together with his research team for the "God Helmet" [1]. Persinger's group has also made important discoveries in the fields of biological quantum entanglement and consciousness studies [2-6]. Now, they have achieved new breakthroughs which are published in this Focus Issue [7-9]. These new results include the experimental production of excess brain correlations across the Atlantic Ocean as measured by QEEG [7]. If independently confirmed, these results represent important progress in the fields of biological quantum entanglement, consciousness research and parapsychology.

For examples of contributions made by other researchers in these and/or related fields, please see references 10-31.

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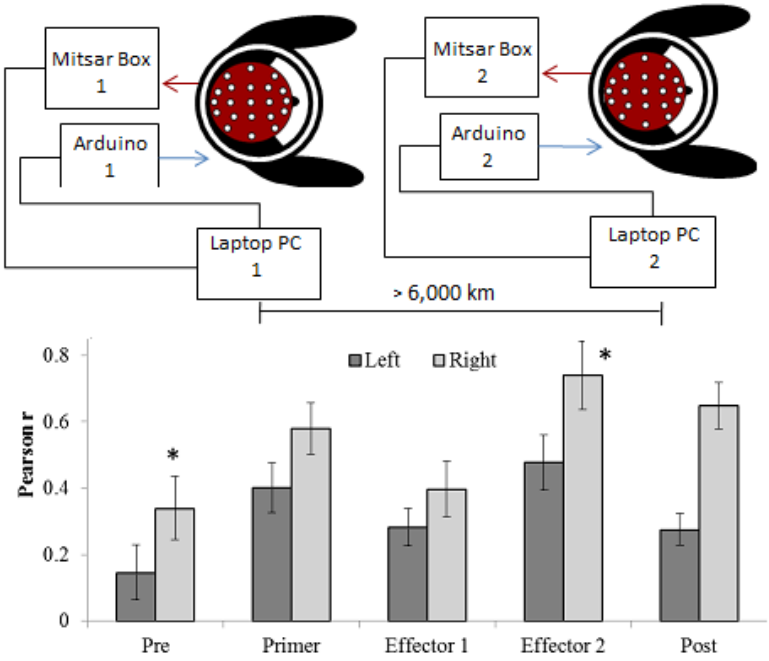
Experimental Production of Excess Correlation across the Atlantic Ocean of Right Hemispheric Theta-Gamma Power between Subject Pairs Sharing Circumcerebral Rotating Magnetic Fields



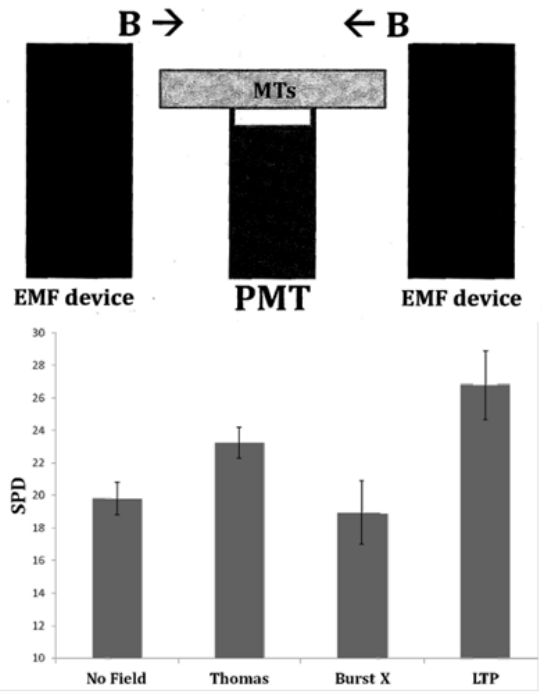
According to Persinger's research team [7], this experiment was completed during the summer of 2015. In the experiment, 5 pairs of volunteers separated by more than 6,000 km wore identical cerebral toroids which produce patterns of phase shifting, 30 nT magnetic fields and were exposed to the sequences that produced excess correlation in chemiluminescent reactions and shifts in pH [7].

They found that, in comparison to the various baselines and control procedures, enhanced power between the right hemispheres of pairs of participants occurred during the interval documented to produce excess correlation [7]. Their specific analyses indicate that only coherence within the theta band of the right temporal lobes of the pairs was diminished. Further, their sequential block analyses reveal that the paired brains' responses to pulsed tones at 6.5 Hz occurred within the 30-40 Hz band over the caudal temporal lobes during the exposures to an effector field. Their primary independent component analyses verified these results [7].

Further, they found that, during the 6.5 Hz pulsed tones, there was a peak in the spectral power density at that frequency over the right temporal lobe of the person listening but a trough in the spectral power density over this region for the person who was not. The research team found that even subjective experiences, as measured by the Profile of Mood States, indicated significantly increased excess correlation for scales by which increased anger and decreased vigour are inferred.

Therefore, This experiment, if independently confirmed, has the potential for creating a technology that can generate reliable excess correlation of brain activity (and potentially consciousness and specific experiences) between two people separated by thousands of kilometers [7].

Enhancement of Spectral Power Densities in Microtubule Preparations Exposed to Temporally Patterned Weak Magnetic Fields



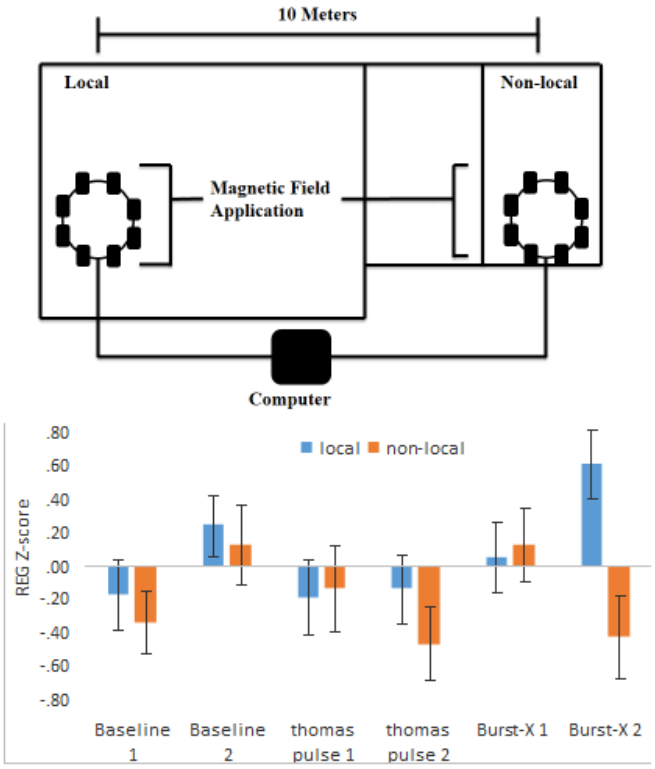
In the second experiment, Persinger and his research team exposed microtubule ("MT") preparations to temporally patterned weak magnetic fields and studied the spectral power densities ("SPD") of the photon emissions from the said MT preparations [8].

According to the authors [8], the dynamics of the MT and its constituent tubulin dimers during periods of adaptation to a disrupted environment are associated with increased photon emissions. Through spectral analyses of the photon emissions from plates of MT preparations within standard media in a Faraday room, they found that the emitted photons exhibited weak but significant and reliable peaks of SPD around 7.7 to 7.8 Hz. They further found that only exposures for 4 min to 3 to 10 μT temporally patterned magnetic fields (that, they state, are associated with the physiological substrates of "learning and memory") enhanced the magnitude of the SPD of photon emissions from MT.

They also noted that, as in their previous experiments, applications of the appropriate, temporally patterned magnetic fields to MTs do not affect the total photon emissions but shift the distributions of the amplitudes power spectra during the brief interval of exposure.

Thus, Persinger and his team suggest that, if intracellular information is contained within shifting temporal patterns of energy but not the absolute shift in energy within dynamic systems, then weak magnetic fields might affect the function of cells through microtubules [8].

Demonstration of Excess Correlation in Random Number Generators at Two Locations Sharing Specific Patterns of Magnetic Fields



In the third experiment, Persinger and his research team tested whether temporally-coupled diametric shifts in parity could be demonstrated between two Random Event Generators ("REGs") located at two locations and exposed to patterned magnetic field in a circular array of solenoids separated by 10 m [9].

According to the authors [9], each circular array generated a patterned rotating magnetic field that has previously produced transient excess correlation and entanglement in photon reactions and alterations in pH in spring water. During a 30 min interval, the REGs were exposed first to an accelerating group velocity embedded with a diminishing frequency/phase-modulated field (the primer) followed by a decelerating group velocity embedded with an increasing frequency/phase-modulated magnetic field (the effector) [9].

They found that only after exposures for about 4 min to the second (effector) condition that is known to manifest the effects of entanglement did the random numbers deviate significantly and by more than one standard deviation in an opposite direction to each other [9]. Therefore, these results indicate that excess correlation can be generated within "random" quantum electronic processes whose spatial domains are similar to neuronal synapses at the macro-level by appropriate applications of weak, microTesla level, magnetic fields [9].

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