

POSSIBLE INFLUENCE OF THE ENVIRONMENTAL EXTREMELY LOW FREQUENCY FIELD ON HUMAN BIOELECTRICAL ACTIVITY OF THE BRAIN.

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Many researchers paid attention to the relationship between natural extremely low frequency fields and human bioelectrical activity [1, 2,3,4]. In our previous publication we started studying this problem [5].

The EEGs of the 10 healthy subjects without neurologic and psychiatric signs or complaints were studied in the measured earth electromagnetic field. The technical instrument of these low frequency fields measured in decibels is the combination of electrometer and computer spectrum analyzer designed by Mark Krinker. This experimental device includes capability to measure variation of earth permanent electromagnetic fields caused by underground turbulent water. So, it allows to detect the presence of turbulent underground water. On the other hand, the presence of turbulent water measured by this device, resulted in the changes of the EEGs of the subjects which are located in this field. When our device indicated to the presence of the turbulent water with frequency 8-10 Hz, the subject demonstrated in his EEG the increased voltage of the basic EEG rhythm, alpha-rhythm, which matches this frequency. It happened in 8 cases from 10.

Further studies should be conducted to prove influence of the earth electromagnetic field to the human brain.

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3.L.B .Hainworth. Electrical Technology and Human Evolution. Speculations in Science and Technology. Vol.11. No.2, Australia, 1987.

4. David.S. Walonic. Effects of 6-10 Hz ELF on Brain Waves <http://borderlands.com>

5 “Earth field and its influence on Organisms” International Conference “ Earth Conservative and Vortical Fields as a Social Related Factors”. M. Krinker. R. Shmelkina. 2008.