

## **Human Sensitivity to Environmental Energy Field - Considering the Role of Electromagnetic Fields as Noise - Based Stressors and Their Relationship to Psi Phenomena**

### **Results:**

The first study (Stevens, 1997) looked at conscious responses to changes in 50 T magnetic fields (MF) at frequencies below 40 Hz, but found they did not appear to correlate with the field's presence. Feedback training attempts to improve accuracy were also unsuccessful. However, skin conductance (SC) levels showed an overall increase when any of the MFs were present. There were also suggestive trends indicating that the magnitude of MF-related SC increases was positively correlated to Field Dependency and success at rule-based pattern matching and negatively correlated to reports of previous ESP or PK experiences.

The second study (Stevens, 2001) more investigated the idea that the emotion associated with visual stimuli would be altered during concurrent exposure to a MF (50 T, 20 Hz) Although in the predicted direction, neither SC nor arousal ratings showed statistically significant changes. The affective content rating did show a significant difference ( $p = 0.041$ ), with images viewed under MF exposure having a more positive affect rating. Post-hoc analysis also showed individual differences in subjects' SC profiles, with 48% showing lower SC during MF exposure 34% showing no apparent reaction, and 17% showing an increased SC. Overall ratings given by each of the groups appeared to relate to these profiles.

Finally, data was also used in a third study (Stevens, 2000) which found an overall scale-invariant pattern in DMILS data that was comparable to that seen in the MF exposure data, possibly indicating similarities between DMILS and magnetic response mechanisms.

### **Published Work:**

Stevens, P. (2001). Effects of 5s exposures to a 50  $\mu$ T, 20 Hz magnetic field on skin conductance and ratings of affect and arousal. *Bioelectromagnetics* 22: 219-223

Stevens, P. (2000). Noise, physics and psi: new ideas for research. *International Journal of Parapsychology* 11: 63-72

Stevens, P. (1997). Electromagnetism and Psi. Research in Parapsychology, Parapsychology Foundation.

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