

The observations of Rawls and Callahan

The findings reported by Rawls and Callahan could be understood as evidence for collective consciousness involving **Schumann resonances as collective bio-rhythms** possibly assignable to magnetic flux sheets rather than flux tubes (<http://tinyurl.com/y9mr9s2w>).

1. **Callahan** measured **strength of Schumann resonance** around the world and observed that the regions, where it was weak were plagued by social problems (Near East). Also this suggests that Schumann resonances could give rise to collective bio-rhythms in the scale of collective consciousness of society and generate harmonious behavior?

Callahan also found that the **addition of paramagnetic substance** in the soil had a positive effect on the growth of plants. The addition of paramagnetic substance could have increased the strength of the coupling to Schumann resonances leading to similar effects as appearing in the experiments of Rawls.

2. The experiment of **Rawls** involved rats (or mice). Magnetic field of strength $B = 2$ Tesla, which was parallel or opposite to Earth's magnetic field $B_E = .5$ Gauss. When the fields were parallel the rats became more healthy, more intelligent, lived longer, and took care of personal hygienia. They became also more social. Just the opposite happened when the fields were opposite. How to understand this?

Suppose that **Schumann resonances and Earth's magnetic field** are involved and that Schumann resonances act as kind of collective bio-rhythms favoring formation of quantum coherence making possible collective consciousness and also quantum coherence at the level of individual.

The explanation could be that **dipole coupling to the Schumann resonances** was **strengthened for parallel** case and **weakened for opposite** case. Dipoles would be magnetic flux tubes carrying spins as Bose-Einstein condensates of charged particles or ions. Earth's magnetic field tends to turn spins to the direction of B_E and added magnetic field B would either strengthen or weak the density of parallel spins and thus dipole coupling to Schumann resonance.