

<http://mathpost.la.asu.edu/~boerner/skepticism.html> : web browser warning

In *Voodoo Science* Robert L. Park discusses the serious methodological flaws of the 1979 Wertheimer-Leeper study which purported to prove a causal link between EM fields from power lines and childhood leukemia. He writes (p.151)

There was one "confirming" study, however, that had to be taken seriously. In 1988 David Savitz of the University of North Carolina, a highly respected epidemiologist, set out to check the Wertheimer- Leeper results, using the same "wiring code" method of estimating the 60 Hz magnetic field. He also found an increased risk of leukemia among Denver children living in homes with "high field" wiring. The very important difference was that Savitz had used accepted double-blind methods. Although the increased risk was only about half as great as that reported by Wertheimer and Leeper, Savitz thought further study was clearly called for. Most scientists, however, remained highly skeptical of the purported EMF-cancer connection. Microwaves, as we saw can induce heating. At a mere 60 Hz, however, there is not even that.

Did it not occur to Dr. Park and "most" scientists that there might be effects of EM fields on biological systems that their theories cannot account for? Biophoton research (which has of course been ignored by mainstream biology, even though it is published in the hard scientific literature) has proved the existence of an electromagnetic intercellular communication system that regulates biological functions such as biochemical activities, cell growth and differentiation. The logical default assumption is that this system could be disrupted by artificial EM fields, i.e. EM fields that evolution did not adjust us to. The argument that weak EM fields cannot directly affect biochemistry through heating is therefore irrelevant, even if it was true. Park and the unnamed skeptics commit the double sin of dismissing evidence based on obsolete theory.