

Reply to Dr. Adair's Comment

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Adair conjectures that a biological sensory system governed by a nonlinear law operating in the chaotic mode could not serve as a model for detection of ultraweak electromagnetic fields because noise considerations would prevent the animal's central nervous system from recognizing the environmental signal. Fine. Let him add noise to the Lorenz system we used as

the example that stimulated his conjecture and show that the system would not detect an arbitrarily small input. Until he does so, his conjecture is unproven and the possible applicability of nonlinear chaotic models for sensory perception is not refuted. The model that Adair himself invoked is irrelevant because it is not a nonlinear system operating in the chaotic mode.

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