

**HORMONE EFFECTS BY ELECTRONIC TRANSMISSION. M.Citro\*, P.C.Endler\*\*, W.Pongratz\*\*\*, C.Vinattieri', C.W.Smith", J.Schulte"**

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Molecular bio-information may be transduced via water (1-3) and exert bio-activity even when the water is within hard-glass vials (4). This may be transferred by means of an electronic device (5) and hence inhibit amphibian metamorphosis (6). Vials of thyroxine (T) (1 mM) or water (W) were placed on the input coil of a special amplifier (linear from DC to HF). Water vials (WT, WW) were placed for 4 min on the output coil. WT or WW was added to the basin water of Amphibian larvae *R. temp.* at a 2-legged stage (2). Cumulative statistical frequencies of 4-legged stage  $F_a$  and of reduced tail  $F_b$  were evaluated at intervals of 8 h (6). The experiment was now repeated in two laboratories (A, I). WT:  $N_{\text{animals}} = 468$ ; WW:  $N_a = 468$ .  $F_{a,b}$  were (% , mean  $\pm 1$  SD):

	WT1	WW1	WT2	WW2	WT3	WW3	WT4	WW4
$F_a$ :	31 $\pm$ 12	44 $\pm$ 11	53 $\pm$ 12	66 $\pm$ 13	65 $\pm$ 12	80 $\pm$ 15	77 $\pm$ 13	89 $\pm$ 11
$F_b$ :	27 $\pm$ 11	43 $\pm$ 13	37 $\pm$ 12	52 $\pm$ 12	49 $\pm$ 14	63 $\pm$ 09	62 $\pm$ 16	73 $\pm$ 09

1-4, depending on the experiment: intervals of 8-80 h. Comparison WT vs WW,  $p < 0.001$  in chi-square test and t-test. Data also significant in "survival analysis".

Diluent water (and other polar) molecules may undergo phase coherent oscillations through radiation coupling (7), that are speculated to induce electron propagation (2).

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