

## ANOMALOUS “LIVING” SPECTROGRAPHIC CHANGES IN WATER STRUCTURE

James DeMeo

Director, Orgone Biophysical Research Lab, Ashland, Oregon, USA [demeo@mind.net](mailto:demeo@mind.net)

Distilled water samples in open glass dishes, when treated by placement inside the controversial Wilhelm Reich life-energy orgone accumulator (ORAC - a Faraday-type dielectric/steel enclosure), have been found to develop anomalous spectrographic absorption and fluorescence signatures in the UV and blue frequencies. These unusual spectral reactions developed without the water coming into contact with anything other than the glass dish, without any chemical additives, and under low-aerosol conditions inside a high-altitude West Coast laboratory. They do not occur, or occur only minimally, in control dishes of distilled water given equal exposure to the same atmosphere but contained inside a cardboard enclosure. Absorbance was typically in the range of 240 to 280 nm, in the far-UV, while fluorescence reactions were typically between 300 to 500 nm, peaking towards the lower end of that range and encompassing both near-UV and blue frequencies. More recently, a similar set of absorbance-fluorescence signatures has been found in rainwater and snowmelt gathered at the same laboratory during well-organized cyclonic storms moving inland from the Pacific. Early season light rains and weak drizzles did not show these spectral reactions. These spectral frequencies are also nearly identical to those observed in EZ water in contact with Nafion dielectrics. By comparison, identical absorbance and fluorescence reactions are also present in aqueous solutions of nucleic acids and DNA, as reported by biologists. This suggests, the ORAC-treated water, EZ water, and natural cyclonically-organized rains, are more highly organized with "living" spectral properties similar to meiotic biochemistry, in a manner unrelated to biological contamination. Direct observations of structured or EZ water in laboratories, and various natural phenomena, suggest these spectral properties of water may be more common than is generally appreciated, and will be discussed.

J. DeMeo: “Spectrographic Signatures in Water Induced by Radiant Fields from Enclosures of Various Materials”, *Water Conference*, 2014, Pamporovo, Bulgaria.

<https://www.academia.edu/8815954>

J. DeMeo: “Water as a Resonant Medium for Unusual External Environmental Factors”, *Water* 3, 1-47, 2011.

<https://www.academia.edu/3677483>

W. Reich: *Cosmic Superimposition/Ether, God and Devil*, Farrar, Straus & Giroux, NY 1972.

I. Vayá: “Fluorescence of Natural DNA”, *J. Am. Chem. Soc.*, 2010, 132 (34), pp 11834–11835.

<https://hal.archives-ouvertes.fr/hal-00516393/document>