

Radiation and Environmental Surveys

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OPINION

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ASSESSMENT:

Research Report:

**Investigation of the Protective Action of the Aires Microprocessor
(Aires Shield; Aires Defender; Aires AquaCluster) Against the Effect of Electromagnetic
Radiation on the Structural State of an Aqueous Environment**

Doctor of Biological Sciences, Professor **S. Zenin**

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The purpose of the Research Report, *Investigation of the Protective Action of the Aires Microprocessor (Aires Shield; Aires Defender; Aires AquaCluster) Against the Effect of Electromagnetic Radiation on the Structural State of an Aqueous Environment*, prepared by Stanislav Valentinovich Zenin, is to examine:

differential current conductivity measurements in ultrapure water¹ exposed to an electromagnetic emission, with / without sustained deposition of Aires technology reactive matrices samples.

Such measurements indicate water-phase transitions.

We consider that the protocols for the definitive and determining measurement of structural water state were conducted in due form and with due diligence. This attention to eliminating potential collateral factors is especially relevant because of the responsiveness of water to influences. The procedure used is a marker for further research, based on prior experiments.

Thus, the results described are directly associated with the three Aires technology samples.

The study confirms that the dynamics associated with the Aires technology does affect water phase in a manner that compensates for impacts from electromagnetic sources. It indicates that reactive matrices also interact with other immediate surroundings and casings, as is apparently the case of the Aires AquaCluster. This implies further generations of devices which could involve specific “hyper activation” engineering.

The study does not specify the electromagnetic source (frequency, vector, waveform, intensity). While it is known that structural state of water is affected by non-ionizing electromagnetic field spectrum, from extremely-low-frequency (ELF) to radio-frequency microwave bands and beyond, such effects vary.

To articulate variance in current conductivity associated with the presence of Aires technology samples, we propose that further research using this protocol at least could be of considerable value. Such research should be systematic and should address at least sampling of observations per typical electromagnetic artifacts and technologies. To ensure adaptability to emerging and future typical exposure situations, further studies should include the 5G U.S. (probably also Canadian) bandwidths - 27.5 - 28.35 GHz and 37 - 40 GHz. Their designs should also reflect cumulative effects, including the durability of the Aires technology’s compensation feature.

Noting the rapidly-expanding international knowledge base of water research, we perceive that a well-conceived research strategy could lead to ulterior applications such as “water batteries”, taking advantage of charge separation caused by Aires technology’s characteristics.

Other potential applications may include a wide range of therapeutic modalities, stemming from likely separation of solvents (including pharmaceutical) from water and numerous solutions.

Another range of application may be the development of advanced states of water but also the engineering of “ortho” and “para” molecules of water due to the non-uniformity of electric fields adjacent to Aires technology devices. Likewise of interest is research into clusters of water, usually involving solvents, in which Dr. Zenin is a world-class authority.

In addition there is a potential research vista of efficiently developing, with Aires technology, many variations of water based on the mixes: the 3 Hydrogen ${}^1\text{H}^1$, ${}^1\text{H}^2$, ${}^1\text{H}^3$ and 6 Oxygen isotopes (${}^8\text{O}^{14}$, ${}^8\text{O}^{15}$, ${}^8\text{O}^{16}$, ${}^8\text{O}^{17}$, ${}^8\text{O}^{18}$, and ${}^8\text{O}^{19}$) - or theoretically, 36 types of water, some of which are considered to be of considerable value.

¹ reverse osmosis, distilled/de-ionized “Super-Q” system-treated water.

The Zenin study touches upon the premise that water retains an “information” system². The property of differentiating current conductivity can be applied for the purposes of detection with quantum chemistry biosensors and nanomachines, enabled with Aires technology.

The biological effects of microwaves, for example, have generally been analyzed in terms of their heating (thermal effects). However, it should be recognized that there are significant non-thermal effects, for example, due to the imposed re-orientation of water at the surfaces of biomolecular structures, such as acetylcholin-esterase activity, and of membranes, through electrolysis, which Aires technology can countermand to various and specific degrees.

As we approach the 5G technology’s additions towards the 90 GHz and above spectrum bands, it is very likely that there will be considerable issues of absorptions of oxygen bonds, rotational energy and interactions with such gases as N², water, and carbon dioxide. Such issues could also cause NO² production through collision and resonant exchange. While this electromagnetic spectrum rotational characteristics is still poorly studied, we can foresee significant Aires technology applications for automotive collision avoidance systems (operating at 24 GHz and 77 GHz, at 15 dBm power level / 35mW per transmitter, several per vehicle) – as well as for environmental and communications applications.

In conclusion, we find this Research Report to be elegant, instructive, conclusive and well-conducted. It also indicates promising new avenues of technological applications.

In view of the well-established consideration of how normal states of water molecules are a reference for the well-being of living systems, and that electromagnetic effects do indeed influence the structuring of water, then this study’s results demonstrate the effectiveness of Aires technology in reducing the deleterious affectation of living systems that may result from such electromagnetic fields.



Dr. A. Michrowski

² A. Einstein, B. Podolsky and N. Rosen, Physical Review, 47, 777 (1935) with regards to the “information” theory associated with the *Einstein Paradox*, proven conclusively in 1976 by A.R. Wilson, J. Lowe and K.K. Butt and published in *J. Phys.* G2, 613, involving two correlated photons, with parallel (“para”) or orthogonal (“ortho”) polarization phase-correlated “entanglements” that are suspected to be involved in the observations of Zenin study.