

## ACOUSTIC AND ELECTROMAGNETIC PROPERTIES OF WATER

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Water, as an open, thermodynamically nonequilibrium, extremely dynamic supramolecular aqua-system constantly not only evaporates, but also is a natural source of acousto-electromagnetic (AEM) aqua-emissions: wave ensembles of acoustic and electromagnetic coherent oscillations, matched and conjugate to each other. The spectrum of AEM aqua-emission is linear, low-intensity ( $W < 10^{-10}$  W/cm<sup>2</sup> “white noise”) and extremely broad-band — from fractions of Hz to  $10^{17}$  Hz. Since water is the source of AEM-aquatic emissions and is sensitive to different emissions, it is a natural aqua-radio system [1]. This ability is due to the high dynamism of a large set of H<sub>2</sub>O dipole molecules, aqua-ions, with a very low concentration ( $c \approx 10^{-7}$  mol/l) and aqua-radicals, whose concentration is still significantly lower, as well as a constant vibrationally excited state of the whole supramolecular system and its particles, and most importantly - a single network of hydrogen bonds. AEM-emissions can initiate resonant-wave interaction with oscillations of the medium and the formation of short-term dynamic waveguides in these environments. Water and all flesh are natural universal aqua-radio systems, since they are sources of AEM aqua-emissions, receivers of external emissions, their converters and amplifiers. The phenomenon of aqua-communication is characteristic of living and inanimate water-containing systems [1]. There is no existence of bio-field, since there are existing only fundamental fields and elastic oscillations of the medium. Mitogenetic radiation is the AEM aqua-emissions of a cellular aqua-system during mitosis.

Aqua-radio properties of aquatic systems of the human body and the ability of their aqua-emissions to resonant-wave interaction is the basis of materiality: consciousness, thinking, psyche, spirituality, emotions and feelings, including remote sensitivity, as the basis of aqua-location ability of the living.

## References

1. Slesarev V. I. Wayer: problems and solutions. Proceedings of XX Mendeleev Congress on general and applied chemistry. Vol.1, p.325, 2011