

A new principle in physics and biochemistry: water principle

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Abstract. The paper experimentally demonstrates the existence of new water principle: The water molecules charge and stock the ambiental electromagnetic radiation energies like corpuscular quanta (I) and by means of light consume (II) they discharges like wave quanta (III). The Gauss's curve of water molecular energy function of wavelengths shows: (I) is located on the left side of Gauss's curve; in nature the weather is beautiful and atmosphere pressure increases; the daily registered molecular electronic spectrum of the seawater shows the curves with increasing aspect and substance form towards a base line, they are similar to curves of reagent solutions in increasing concentrations; the charge time period is about two weeks.(II) is located on the top of Gauss's curve; in nature the atmosphere pressure is steady; it has been registered thrice times increase of UV reflected than incident UV solar radiation - located only on light pathway of the sun, on the sea surface. (III) is located in right side of Gauss's curve; in nature the atmosphere pressure is fallen- the water spectrum has two situations: a) the electronic orbitals discharge in 200~1000... nm band and spectra curve reach base line; in nature on develop rains, snows, storms, swells etc; b) the water molecular orbitals discharge in UV 190-220 nm band, with oscillation aspect (one day "up" and one day "down" like energy potential hole with high negative values similar to "antimatter form"); there are phenomenal meteorological events: hurricanes, tornadoes, cyclones. The energies of chemical bonds belong to UVC band and biological water stores electromagnetic energy for biochemical purpose. The transfer of water UVC energy from water molecular orbitals to modify the chemical bonds achieves by means of high UVC transmittance of membrane anisotrope lipids.

Keywords: biological water, water principle, water quanta storage and discharge, phenomenal meteo events