

The Fourth Phase of Water: A Central Role in Health

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Everyone knows that water has three phases: solid, liquid and vapor. But we have recently uncovered a *fourth* phase. This phase occurs next to water-loving (hydrophilic) surfaces. It is surprisingly extensive, projecting out from the surface by up to millions of molecular layers. And, its properties differ markedly from those of bulk water.

Of particular significance is the observation that this fourth phase is charged; and, the water just beyond is oppositely charged, creating a battery that can produce electrical current. We found that light charges this battery. Thus, water can receive and process electromagnetic energy drawn from the environment in much the same way as plants. Absorbed electromagnetic (light) energy can then be exploited for performing work, including electrical and mechanical work. Recent experiments confirm the reality of such energy conversion.

This energy-conversion framework seems rich with implication. Not only does it provide an understanding of how water processes solar and other energies, but also it may provide a foundation for simpler understanding natural phenomena ranging from weather and green energy all the way to issues such as the origin of life, transport, and osmosis.

The talk will present evidence for the existence of this novel phase of water — how come nobody's seen it before? — and will consider the potentially broad implications of this phase for health and relation to aquaphotomics.

The book dealing with this subject is now available
<http://www.amazon.com/The-Fourth-Phase-Water-Beyond/product-reviews/0962689548>

