

Abstract Submitted
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It may be possible to construct a Chemical Synthesizing Computer based on Capillary Action RICHARD KRISKE, University of Minnesota — This author had previously proposed that Capillary Action has a Quantum Mechanical Model. This model can be easily constructed by noting that when a photon of the heat wavelength evaporates one molecule of water at the top of a capillary column, a “hole” is transmitted from the top of the column to the roots and into the water reservoir sustaining the capillary tube. This “hole” is a true hole (a true particle) in that it is transmitted as a quantized unit through the capillary tube. The mathematics of this process are the same as used in Quantum Field Theory, with the capillary acting as a perfect spring (like the spring used on a “stack” of dishes). When the external field using a force to pull the water molecule off the stack, an equal and opposite spring force (which is quantized), is transmitted down the column to the reservoir. When the water is not pure, this author proposes that each of the elements in the unpure water act linearly, each with its own quantized spring constant that does not interact with the other quantized spring constants, so it is possible to pull a single electron off the top of the water stack, yet the water in the stack is undisturbed (the reservoir is disturbed). Likewise it is possible to pull a sugar molecule off and balance chemical equations.

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