



**As this year ends and winter unfolds, we pray you'll take some time to seek and add a 3<sup>rd</sup> dimension to your lives for this coming year.**

## pH<sub>2</sub>, LLC

*Opposite side:* These are snowflakes captured in December of 2008. Using Formvar in a solvent, a cast was made of these snowflakes as the solvent evaporated leaving an impression. Historically, imprints like this were photographed under a light microscope, but this one is different. It was coated with approx. 60 nm of gold under vacuum and placed in a Scanning Electron Microscope (SEM) from which this dual image was taken at about 70X as a set of stereo pairs. The images were then digitally combined to create the 3D effect (please call us if you need a pair of 3D glasses).

Water crystallizes in several structures but only a few common habits. The snowflakes seen here are based on a hexagonal form. Like much of the world and life on it, perfection is a rarity, and so it is with these snowflakes. They are crowded together causing abrupt changes in form to one another, and their growth when free from these influences is still curtailed, incomplete, or just oblique. It is a lesson in how the external form is greatly influenced by the internal growth of character as well as from the influence of surroundings.

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