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By Jimmie Holman – Pulsed Technologies Research

Now that I've had time to sit back and think, I remain amazed to realize how many connections there are between seemingly unrelated things; how one event directly affects so many others. It seems like everything we do, every effort we spend, has some related connection critically needed for some other aspect of our work or experiences and those of others which cross our path. Efforts we expend on individuals eventually have positive life-changing impacts on many dozens of others. Even our experimental failures are often illuminating experiences that eventually become very positive guidance for future efforts. I feel fortunate to be able to recognize the incredible beauty and immense value of these butterfly effects!

In chaos theory, the **butterfly effect** is the sensitive dependency on initial conditions in which a small change at one place in a deterministic nonlinear system can result in large differences in a later state. The name of the effect, coined by Edward Lorenz, is derived from the theoretical example of the details of a hurricane (exact time of formation, exact path taken) being influenced by minor perturbations equating to the flapping of the wings of a distant butterfly several weeks earlier. http://en.wikipedia.org/wiki/Butterfly\_effect A little over a year ago, PulsedTech engineers Thomas and Daniel Drake's friend Amanda Hoffman was involved in a critical auto accident suffering a severe brain injury and coma. Thomas had been involved a somewhat similar traumatic brain injury event. He was greatly assisted by immediate access to non-conventional and electronic therapies. While Thomas and Daniel immediately and understandably wanted to help duplicate Thomas's remarkable recovery on her, realistically we knew she likely needed far more treatment than could be provided, but also some of which had to do with the brainwave issues to assist reemerging from the deep coma.

I provided them my early private brainwave work and calculations which they were able to be successfully applied in her hospital room via a PulsedTech plasma instrument. (Note: Being able to do this in a conventional hospital is a very unusual situation!) From the observations and reports we received, Amanda gave us the initial positive response I was expecting and hoped to see. Unfortunately, Amanda was too damaged to recover but still gave us this much needed info while allowing the time for those close to her to better recognize and accept the reality of her dire situation.

I don't believe I ever personally met Amanda, but from the many things I heard both before and after her passing, she loved, was loved, lived, and shared a very vibrant and full life for the far too short time she was here. Before she left however, by her response, gave us all an amazing parting gift. That gift being a much needed glimpse of an area of development that can be incredibly invaluable; not only for the future and similar situations, but one that could also open up an entire field of possibilities.

As Amanda balanced on the final hours of life, we feel she likely knew of the final gift she was leaving for others. Amanda will be dearly missed by the many close to her, and likely appreciated by many that never knew her personally. Thank you Amanda!

In Loving Memory **Amanda Hoffman** 

1989 - 2013



Amanda Hoffman and Daniel Drake



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