

ADDENDUM Posted at: www.wbabin.net/physics/fitzgerald8.pdf

TO

SONOLUMINESCENCE AND SONOFUSION - HOW AND WHY


As Posted at: www.wbabin.net/physics/fitzgerald7.pdf

FRANK BORING FITZGERALD

Planck Scale Theorist
6 Fitzgerald Lane Rockvale
Joliet, Montana, USA 59041-9304
quantumfitz@gmail.com

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To my dear wife, Velma, with all my love, gratitude, and devotion



My paper, *Sonoluminescence and Sonofusion - How and Why*, as posted at: www.wbabin.net/physics/fitzgerald7.pdf was missing one of its key explanations: How and why the electron shell expanded, Frames 12-15, and moved off of Frame 15.

That key part dealt with the three stage micro-nuclear fusion explosion of the deuterium in the concentric bubbles, the shock-wave and the acoustical. Missing was mention of the EMI [electromagnetic impulse] present in all nuclear explosions be they fission or fusion and size of the explosion is irrelevant. The EMI in this case is spherical and its overall strength is proportional to the explosion size, yet is powerful enough to cause a coupling action with the electrons in the concentric shell surrounding the acoustical bubble to propel them rapidly outward. I also neglected to mention, the electronics and wiring in my bubble sonofusion reactor is protected from EMI of necessity.

Sonoluminescence does not produce an EMI of the kind as sonofusion does. I am surprised no one doing research on sonofusion has run across the EMI produced as a result of the micro-nuclear fusion process. If they did not get an EMI, they surely did not get nuclear fusion.