

**Comment, Dr. Thomas Bearden, Huntsville AL, USA, October 2009**

Hi Marcus,

I received the DVD today and watched it, and -- simply put -- was ecstatic over it!

That is tremendous animation, and that is exactly what is needed to get the message across! I'm delighted that you stressed the asymmetry of the dipole, and that the only reason the energy flow from the battery dipole (extracted from the vacuum) ceases is that the closed surface is responsible for destroying the dipole.

My congratulations on a truly superb job! Those animators were and are marvelous! And that message, illustrated that way, is very much needed in this old power-hungry world.

J. P. Morgan elicited Lorentz in 1892 to arbitrarily symmetrize the Heaviside vector equations, thus tossing out all the asymmetric Maxwellian systems. This was just before the birth of electrical engineering itself, so from the beginning, our EEs have always been educated to design and build only SYMMETRICAL (source dipole destroying) circuits and systems!

Yet Maxwell's actual theory -- some 20 quaternion-like equations in 20 unknowns -- contain many asymmetric systems as well as the modern EE symmetrical systems (i.e., self-symmetrizing systems).

Hopefully your noble effort will greatly aid in getting the point across, so that someday we get the horribly mutilated EE theory and model replaced with a higher group symmetry EE model and theory -- such as quaternion electrodynamics.

Very best wishes,  
Tom