

the truth—I maintain that life is *not* a form of energy, that it is *not* included in our present physical categories, that its explanation is still to seek. And I have further stated—though there I do not dogmatise—that it appears to me to belong to a separate order of existence, which interacts with this material frame of things, and, while there, exerts guidance and control on the energy which already here exists (*cf.* p. 24) ; for, though they alter the quantity of energy no whit, and though they merely utilise available energy like any other machine, live things are able to direct inorganic terrestrial energy along new and special paths, so as to achieve results which without such living agency could not have occurred—*e.g.* forests, ant-hills, birds' nests, Forth bridge, sonatas, cathedrals.

I have never taught, nor for a moment thought, that “vital force is akin to physical force, but that it needs guidance” (p. 747) ; the phrase sounds to me nonsense. I perceive, not as a theory, but as a fact,