

eccentric circular disc upon which a carriage travels, performing the circuit in the same direction as that in which the disc revolves and in (say) one-tenth of the time in which the eccentric disc performs one revolution on its own eccentric axis. A person sitting upon the fast moving carriage above referred to, is virtually travelling from the centre of the disc towards its circumference and vice versa, and as a result reactions will be set up that will disturb the equilibrium of his body to an extent depending upon the amount of eccentricity of the revolving disc and the speeds of disc and of travelling carriage.

Exactly such reactions are set up in particles on the Earth's surface, whilst moving with the daily rotation of the Earth, and with its monthly motion about the centre of gravity of the Earth-Moon system.