

10th Sept. 1977

Celia Green,
118 Banbury Road,
Oxford OX2 6JU.

Dear Celia,

Thank you very much for your two letters and three books. I was hoping to hear more from you about problems in E-M Theory, but have not.

In answer to your query about our researches, I shall quickly say the following (a brief reply being better than a further delay);

We start by adopting the conventional wisdom, which is that E-M Theory as a subject is essentially complete, and rests on what are called Maxwell's Equations with perhaps the addition of some further interpretation none of which is more recent than 50 years ago. Talking within that frame of reference, my team of researchers see a fundamental internal inconsistency in that matrix of knowledge. It is useful to think of it as similar to a dislocation in a crystal lattice; the whole thing hangs together except at this spot, or surface. A pointer to the dislocation is the term "Displacement Current". The enclosed letter to Mr. Josephs needs to be presented to anyone who professes to competence in this field, and a written reply requested. This is the first step towards discovering where his private dislocation is. In general, an "expert" in this field theorizes towards the dislocation from both ends, from both ends of the crystal, approaching the dislocation. No expert has clearly seen the dislocation, which is at a different point in the structure for each individual; ambiguity of terminology and mathematical obscurantism allows experts with different knowledge sets to coexist quite happily. Close to the dislocation in the knowledge set of a particular expert, he intrudes assertions of his own ignorance, or just stops thinking, or buries the general area in maths of dubious meaning. Also, to paper over the dislocation, many of the most respected experts will paper over the cracks with outrageous theoretical assertions but then fail to notice that such assertion destroys the whole framework of thought at its foundations.

Yours sincerely,



(Ivor Catt)