

24/49

ST JOHN'S COLLEGE,
CAMBRIDGE.

Apr 25. 1858

Dear Higgens

I am not ready to admit
that your very elegant illustration
satisfies me *Phil. Soc. Proc.* Lxiii p 33
as to the connection between the
normal & secondary effects. I still
hold, as in a note to Lord's

Phil. Soc. account, that they are

^{direct}
not ^{consequences} one of the other. The
^{impetus of the}

Law of ^a Diffusion you arrive at

~~will wrong~~
depends on $\frac{1}{2}$, instead of $\frac{1}{\alpha}$

as it ought, and must be
accordance with the observation of

easy as I explained in
Leatham's paper § 5 and long
up in Phil. Assoc. Report.

When I was working
on the matter I made out the
of the ~~Faraday~~ effect
of the ~~Faraday~~ effect
of rotation of the elliptic axis
by an alternating magnetic
force in its plane, and practically
but at all a Zeeman change
of period. I also made out the
analogues of the Lorentz $\frac{\mu-1}{\mu+2}$ / density
law for magneto-optics, and found
that nothing like that or anything

else is actually true. I
demonstrate that Lorentz has been
at the same position since
then. I believe the whole affair
is highly complex and
dispersive in all ways.

Yours are sincerely

Harmon

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