

Hardwick Parsonage,

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Jan. 22/86

My Dear young friend,

Tho' the screw is forced pretty tight today, I will slacken it a quarter of a turn for your sake.

The points you have mentioned has several times ~~occurred~~ come across my mind during the last few years. It never occurred to me, however, as to the luna ellipse - but as to the position of the whole Solar System - which, it is obvious must be different, at any given moment, as seen, from its real condition. The ^{apparent} place, for instance, of Saturn at the moment of an occultation will be sensibly different from its real position, &c. I have never once seen this mentioned - although a few times I have seen some element or other of a planetary orbit with the addition of "corrected for equation of light" or something of the kind. It appears to me, not on theoretical grounds - I am not $\frac{1}{20}$ deep enough -

hit on these of common sense - that this, like a
secular inequality, will all right itself - and I
suppose the "mean means" of the equation will
be the rotation of Neptune (and, however, if
we mean by that term that all the included pe-
riods are then to be complete - if so the ^{period} periods
would be incredibly long, I sh^d. think - but un-
likely all would come round.) But how close
Comet - part of whose orbit lies much nearer to
the eye than the rest? Its dimensions will be
very sensibly affected, in the case of a very long el-
lipse - & the major axis & period possibly
changed from what they w^d. be found by computa-
tion exclusive of velocity of light. It w^d. be
quite worth while to ask any computer
if this has been ever done in long orbits -
embracing obs. at great distances - e.g. 1811,
when the verification 12 months after
must have been effected by light passage.

So Donati is observed at its 1.st & last ^{visibility} ~~epoch~~
on orbit determined from ~~these 2~~ ^{these 2}
places, combined with one in ^{undoubtedly for = two of light,} perige ^{ought to}
give a different ellipse from one deduced from 3
places near perige. - I should, I own, like
to know about this - & whether this might be
in part the cause of some discrepancies as to
Comets. - The Moon I sh^d. fancy w^d. soon
right itself. -

I hope you have passed a right pleasant vaca-
tion, & enjoyed much the Soirée, which I hear
a good account of. - I fear I never thanked
you for your kind present of a Math^s. Soc. paper.

And now - ut news est nos - I am go-
ing to give a little trouble - I'd est. to ask one or
two questions with The District Understanding that
you are not to attend to them till you have conveni-
ent leisure. - One is this. -

All the Books ^{on negs all} I have seen speak of the Electric
Current between the charcoal (or other) poles of a
Greeks Voltaic Battery, as a dazzling arc of flame.

I never had an opportunity of seeing it, but once -
but then, tho' the two coke points were ignited & white-
red, there was a mere trace of flame between them -
& Slater, whose battery it was, told me it was always
so. And so did an intelligent man with whom I once
travell'd - And Tyndall in his Rede Lecture im-
ages the same - speaking of the image of the two points
points on a screen, but no visible arc of flame. -

Where is the truth? As usual in a well
too deep for me. If I knew Tyndall or
Fassich I could soon find out. I have a mind
write to Browning to ascertain it from Fassich.
- Now for W. 2. I want to know whether
the name of the Thermometer Scale Inventor, Reau-
mur - should have an accent or not upon the E -
in short whether it should be pronounced Ro-mure
or Ray-o-mure. - I have now & then seen the accent,
& think it more likely to have been omitted than inserted
wrongfully. - These 2 matters touch my Chelt. Lectures
in the Spring (D.V.) a course of 12. And aw-
then Edit. to be prepared for the Cel. Objects -

so you see I shall have more than you to do. — I want add this scrap
to tell you what good kind. W. Huggins writes on this matter. —

Last week I got a spectrum description of Tempel's Comet. The result is
interesting, & a short communication on it was read at the R.S. on Thursday
last. The nucleus is self luminous & probably of similar composition
to the matter of the gaseous nebulae. The Coma shines by light from
another source, & there is reason to suppose that it reflects the Sun's
light. The paper is for the "Proceedings" — Is not this

glorious? So Dr Schiote was with me the self because
its of the neck of a goat - & I believe it spread into
there. Mrs Webb says she has seen a dog

Mrs Webb thinks the
dog's head more beautiful
than any she has seen - it is
some dog's head on anybody else's
dog's head!

My dear young friend

Yours

Exceedingly

J. W. Webb