

Penhall

Monday, July 10th 1889

Dear Sir W. Dawson,

Your note reached me two days since, and very fortunately at that time, I had my notes completed writing (but my notes on Prototaxites). The last slides show the nodes to be simply a transverse fracture, and I feel satisfied that the other transverse swellings in the larger specimens are to be referred to the same cause in all cases, i.e. longitudinal compression. In these last

sections, however, I have found
more frequent and much better
instances of branching cells. One
is as follows.

This establishes beyond
reasonable doubt, the
proper relationship of the two
systems of cells, and is one
of the strongest arguments
in favor of its Alveolar
affinity. I have therefore
held that all the evidence
derived from my exami-
nation justifies the re-
tention of chemotrophes,
although were it not
for the fact that it
seems desirable to hold
as near as possible to the
original name nutrif
fruit or other structure

enables us to settle the
question finally, I should
feel that Sematophyton
which you now propose,
would be much more
desirable; for certainly,
while the affinities
are undoubted with the
Algae more than any
other group of plants,
that does not necessarily
mean that it is a vere
fide Alga.

As you will see, I have
revert the first form
of my note, so more direct
reference to former articles
was desirable. I trust
the result may prove agree-
able to you, and if there is
any way I can give

your further aid, I shall
be glad to do so.

Mrs. Pughell joins
with me in kind regards
to yourself and family.
Our infant wave has
passed, but for how
long, remains to be seen.

With kind regards

D. P. Pughell

O.S. The M.S. goes now
separate cover by this mail
D. P. P.