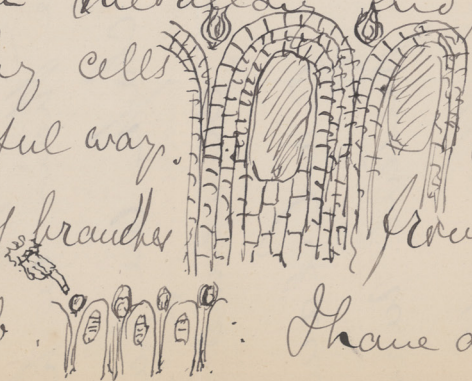


Fallowfield

May 21<sup>st</sup> 1870-

My dear Dr Dawson

I have now worked out  
the thin skinned calamite in  
which you were interested  
& find it to be a true Calamites  
pitus of wonderfully elaborate  
structure and with true  
medullary rays. The radial  
canals are very fine and  
at their medullary end arched  
over by cells in  
a wonderful way. It also  
gives off branches from nearly  
every rib.  I have also

perhaps their structure is not very well seen  
shown though. Their general arrangement is  
narrowly clear fine. — This specimen  
gives us a stronger evidence than we have  
yet had of the unity of the class. We have  
~~the thin~~ wall of a Calanoid combined  
with the high organization of a Calanus.  
Does not the insect for the present make  
two genera. One with the other without  
the radial secondary canals. — Must these



traced out the system of longitudinal canals and find them to be very curious. The woody tissue is wholly external to them - an additional evidence of their affinity with the recent Equisetaceæ which I showed you when here. The woody fibres are chiefly pseudo-scalaniform - especially near the medulla - but they afford indications of becoming more reticulated nearer to the exterior but in those

William  
May 1850

be Calamites & Calamadendron  
giving a new definition to  
Bracon's term, or must  
we throw his term overboard  
as resting on no solid foun-  
dation and retain my term  
Calamapites. I incline to the  
former course.

I am ever sincerely yours  
W. Williamson

Mrs Williamson sends her  
best regards — I have heard  
nothing of Currier — who  
in London or has he come  
Northward?

