

C. D. Perkins  
July 1885

Birkenshaw,

Little Metis.

Aug 27/85

My dear Mr Sturkie Gardner,

I thank you  
for your review of Saporta's  
Materia, kindly sent to me,  
and which reached me at  
my summer quarters at this  
place. Saporta is I fear  
a little credulous as to  
algae. Many things which  
in his first vol. and his  
later memoir on algae  
he referred to plants I am  
quite sure are markings  
of animals. As to the

Phylogeny of plants, I  
have little faith in  
his attempts. These  
will come at work in  
the introduction of species  
of plants not decreed  
of in his philosophy,

~~I do~~ You credit  
me with the statement  
that leaves of *Colanthes*  
are similar to <sup>those of</sup> Artemis,  
Phyllitis. The contrary  
statement would be  
nearer the mark. I

I have described the leaves  
of Pine species of Colorado  
Montes, found by myself  
attached to the stems  
or associated with them  
as to render the relation  
certain, but have shown  
that they differ from  
the pterophylls proper  
so called, and are  
similar in form and  
in external structural  
markings to the  
so-called branchlets

\* See my Report on Fossil plants of  
the Millstone Gnd & Lower Carboniferous  
& Acadian Geology, 3rd edition.

of Modern Equiseta, \*  
I still feel sure that there  
were species of calamules  
with very thin ~~axial~~  
walls <sup>as well as</sup> ~~some~~ others with  
thick woody <sup>glandous</sup> ~~walls~~ as  
described by Williamson  
but the question is do  
they graduate into each  
other or is there any  
well = marked distinction,  
We need to know more  
of their fruits, though  
to far there seem to be  
Cryptogams.

Yours  
J. M. Dawson