

A. S. Peabody  
No. 710

Ohio Geological Survey,

Columbia College

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Prof. S. W. Dawson

My dear Sir

I received your letter  
and Horn's Mineralogy &c a day  
or two since, but have for two days  
been off geologizing till late at  
night, and can only now thank  
you for both; which I sincerely do  
in answer to your questions.

1<sup>st</sup>. No fern fossils, (unless the  
large Psilophyton? is a fern fossil)  
has been found at Gilboa, I have  
a few other specimens from there  
but no other plants. You have  
everything collected by Mr. Lockwood  
which means everything I have seen.

2<sup>d</sup>. No Courtois is traceable in  
the specimens or in the history I have

from Mr. Lockwood - between  
the Caulopterys and Psaronius -  
like trunk,

3<sup>a</sup> The Caulopterys sent is quite  
distinct from their form in  
Ohio, But that they are unique  
specimens and almost tropic  
to trust to the chances of  
transportation I would send them  
to you. I will endeavor to send  
you photographs if I can get  
some one to make good pictures  
of them. - One of the Ohio species  
has a much longer narrower leaf-  
scar, the other transversely oval  
or obscurely rhomboidal scars  
small & widely separated. I  
doubt of the latter is a fern stem  
at all. more probably a lycoperid  
allied to Lepidodendron & Sigillaria  
but generically distinct.

4<sup>th</sup>. No large stems of Lepidodendron  
have been found as sub

The small branches are abundant  
I have a single branch,  $\frac{3}{8}$  in. wide  
better preserved than these. From  
the Coniferous of Ohio

The large Gouggerathia-like  
leaf is the only thing of the kind  
I have seen from Illinois —

My Conjecture has been, as I should  
I suggested to you in my former letter  
that the Cauloptus, and  
Psilophyton-like fronds were  
parts of the same plant. The  
material is a bad one for the  
preservation of the membranous  
parts of the fern, but you will  
see some evidence on some of the  
specimens that there was something  
like a Parenchymatous web, con-  
necting the smaller branches, but  
The curled & irregular aspect of  
these parts, however, — in this present  
condition — suggest rather fertile  
than barren fronds

I should be extremely pleased  
to get Hartley's report on the  
Cools and Bromley of Iowa -  
Scotia - He promises to collect  
specimens of them for me  
but things I have written  
him. I have had our sword  
from him for some months

Yours Very Truly  
J. S. Newberry

