1/ There are thin-walled Calamites
distinct from Calamodendron & Calamopitys
The cliffs at the South Joggins distinctly
show this, and I have specimens
in Montreal.

2. There are stems included in Sigillaria
which have structures comparable with
Cycads or Cordaiteae, I sent slices of
one of these to Williamson several
years ago and he said in reply that
he did not know what they were
but had seen none similar in
England.

3 The French Botanists are mistaken
in saying that Dadoxylon is the
wood of Cordaites. I have had
specimens collected in the French
localities not all these) with leaves
of Cordaites attached were quite dif-
ferent from Dadoxylon. The correlation
in Nova Scotia & Prince Edward Island
shows that in Dadoxylon had
foliage of the Walchia type. Please
also to observe that I have shown
years ago that the true Sternbergia
pith still exists in young shoots of
the common balsam fir.

4. It is a fact that the so called
stitches of Sigillaria are not modified

buds but modified leaves and there is presumptive evidence that some of them bore fruits like Trigonocarpa.

5. It is not correct that the Devonian Flora shows no sign of a simpler beginning. I showed in my Report of 1870 that no Pteridophytes existed in the Lower Devonian or Upper Silurian but came in with the Middle Devonian. In the L. D. there is a great profusion of Generalized plants like Psilophyton and Arthrostigma Rhizocarps like Parka and Protosalvinia and the Curious trees (Nematophyton) with tissues resembling those of some Algae, yet land plants and seemingly producing resin now preserved as amber. There are in reality four great waves of floral beginning in the N. Hemisphere — one in the Middle Devonian one in the Coal Formation, one in the Jurassic and one in the Middle Cretaceous

6. You cannot follow a worse guide in fossil botany than Solms

Laubach. He is a mere botanist quite ignorant of the correlation of parts as actually found by myself and others in digging them out of the rocks. He has ignored much good work of this kind done by Brongniart, Goeppert, Schimper and Grand Eury, as well as by myself and has replaced it by mere fancy, and why ~~while~~ some of the German confreres have copied my complete figures without acknowledgment ~~plants dug out with infinite labour and published them without acknowledgment~~ has appropriated them as "Restorations". He has also gobbled up with~~the~~ small acknowledgment many of Williamson's hard-earned facts, and has misapplied them. I am sorry to write thus of any man but his book has proved him at once incompetent & dishonest and he has done mischief to science which it will be hard to remedy.

On Palaeobotany.

Notes sent to Scott. Oct: 2, 1896

(? if published.)

Notes to Scott

Oct 2/96