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ARTICLE X.—*On the Pre-carboniferous Flora of New Brunswick, Maine, and Eastern Canada.* By J. W. DAWSON, LL.D., F.G.S., &c.

(*Read before the Natural History Society.*)

The known flora of the rocks older than the Carboniferous system, has until recently been very scanty, and is still not very extensive. In Goepfert's recent memoir on the flora of the Silurian, Devonian, and Lower Carboniferous rocks,* he enumerates 20 species as Silurian, but these are all admitted to be Algæ, and several of them are remains claimed by the zoologists as zoophytes, or trails of worms and mollusks. In the Lower Devonian he knows but 6 species, five of which are Algæ, and the remaining one a *Sigillaria*. In the middle Devonian he gives but one species, a land plant of the genus *Sagenaria*. In the upper Devonian the number rises to 57, of which all but 7 are terrestrial plants, representing a large number of the genera occurring in the succeeding Carboniferous system.

Goepfert does not include in his enumeration the plants from the Devonian of Gaspé, described by the author in 1859,† having seen only an abstract of the paper at the time of writing

* Jens 1860.

† Journal of Geological Society of London, also Canadian Naturalist.