

specimens. He mentions, however, that it is closely related to *A. radiata*, so that his specimens are probably like those of the species figured by Dawson, 1862. It is evident that Dawson's "species" contains at least two types of foliage, so that, were the specimens better preserved it would be necessary to revise his terminology, but from such material as is available it is impossible to make conclusive determinations.

ASTEROPHYLLITES PARVULUS, Dawson.

(= *A. grandis* Sternb. sp.?)

- 1861. *Asterophyllites parvula*, Dawson, Canad. Nat., vol. 6, p. 168, fig. 6.
- 1862. *Asterophyllites parvula*, Dawson, Quart. Journ. Geol. Soc., vol. 18, p. 311.
- 1868. *Asterophyllites parvula*, Dawson, Acadian Geol., p. 539, fig. 188A.
- 1871. *Asterophyllites parvula*, Dawson, Foss. Pl. Devon. Upp. Silur. Canada, Geol. Surv. Rep. p. 27.
- 1900. *Asterophyllites parvulus*, Dawson, David White, Pottsville Formn., p. 897.
- 1906. *Asterophyllites parvulus*, Dawson, Matthew, Trans. Roy. Soc. Canada, vol. 12, p. 122, pl. VI, figs. 1, 2, and var, p. 123, pl. vi, fig. 3.
- 1910. *Asterophyllites parvulus*, Dawson, Matthew, Bull. Nat. Hist. Soc. New Brunswick, vol. 6, p. 247.

The specimens appear very small and unsatisfactory, and it is doubtful whether the name should be retained. The fig. 3 of Matthew's pl. vi bears considerable resemblance to *A. grandis* (see Jongmans, 1911, p. 224) with which M. Zeiller considers it should be included. I have not seen any specimens, and, therefore, retain the name temporarily, but without the intention further to establish it. Mr. David White (1900, p. 897), identifies some very small specimens of *Asterophyllites* from Pottsville with Dawson's St. John species, and notes the likeness to *A. grandis*.

ASTEROPHYLLITES sp.

[= *Annularia radiata*?]

Plate IV, figure 5.

- 1868. *Asterophyllites laxa* (?), Dawson, Acadian Geol., p. 539.
- 1871. *Asterophyllites lenta*, Dawson, Foss. Pl. Devon. Upp. Silur. Canada Geol. Surv. Rep., p. 29, pl. V, fig. 60.
- 1906. *Asterophyllites lentus*, Dawson, Matthew, Trans. Roy. Soc. Canada, vol. 12, p. 122, pl. V, figs. 5, 6, 7.
- 1910. *Asterophyllites lentus*, Dawson, Matthew, Bull. Nat. Hist. Soc. New Brunswick, vol. 6, p. 247.