

SYNONYMY OF *Naiadites*.

1840. *Naidea*, Swainson, for *Unio*-like molluscs.
 1845. *Naiadites*, Buckman, 'Geology of Cheltenham,' Rhætic and Stonesfield plants.
 1845. *Naiadites*, Brodie, Fossil Plants (in 'Fossil Insects').
 1850. *Naiadites*, Buckman, adopted in Quart. Journ. Geol. Soc. vol. vi. p. 415.
 1853. Dawson figured several Molluscs from Nova Scotia resembling *Modiola* and *Unio*, Quart. Journ. Geol. Soc. vol. x. (1854) p. 39.
 1854. *Naiadites*, Morris, for *Naidea* and *Naiadites*, in his 'Catalogue of British Fossils.'
 1855. Dawson again figured one of these molluscs as a *Modiola*, 'Acadian Geology,' 1st ed. p. 148.
 1860. Dawson gave a short description of the shells and referred to the above figure, provisionally naming it *Naiadites*. He described also several species; the first and type species being *Naiadites carbonarius*. Supplement to 1st ed. 'Acadian Geology,' p. 43.
 1861. Salter gave the name of *Anthracomya* to certain British Coal-measure molluscs with full descriptions and figures, Mem. Geol. Surv., 'Iron Ores of Great Britain,' pt. iii. p. 229.
 1862. Salter speaks of three species of *Naiadites* he had received from Dr. Dawson, namely *Naiadites elongatus*, *N. carbonarius*, and *N. lævis*. The first and last of these he refers to *Anthracomya*, and for the other, *N. carbonarius*, Dawson's type, he proposes the name "*Anthracoptera* for these triangular shells."

If the name of '*Naiadites*' can be retained for any of these molluscs it must be for this type-species *N. carbonarius*, for which Salter erroneously proposed the generic name of *Anthracoptera*, Quart. Journ. Geol. Soc. vol. xix. (1863) p. 80.

Note.—Wheulton Hind, 1893 (see below), says that the form figured by Salter, Quart. Journ. Geol. Soc. vol. xix. p. 79, fig. 3, as *Anthracoptera carbonaria* is not the same as Dawson's type, 'Acadian Geology,' 1st edit. p. 148, and Quart. Journ. Geol. Soc. vol. x. p. 39.

- 1868 & 1878. Dawson gives figures and descriptions of these Nova Scotian shells and partially adopts Salter's names as sub-genera for some of the species, thus: *Naiadites (Anthracoptera) carbonaria*, *Naiadites (Anthracomya) elongata*, *Naiadites (Anthracoptera) lævis*; but speaks against Salter's idea of the marine nature of these shells (as quoted above, p. 436), 'Acadian Geology,' 2nd & 3rd edit. p. 202 *et seq.*
 1893. Wheulton Hind adopts Salter's two genera *Anthracomya* and *Anthracoptera*, for the British species, but says that the specimen from Nova Scotia figured by Salter as *Anthracoptera carbonaria* is not the same as Dawson's *Naiadites carbonarius*; the latter, Hind says, is an *Anthracomya*, Quart. Journ. Geol. Soc. vol. xlix. (1893) p. 249.
 1894. Wheulton Hind in the MS. of the present paper proposed to adopt *Naiadites* for *Anthracomya*, and to retain the name of *Anthracoptera* for the type-species of *Naiadites*. He now acknowledges that Salter's *Anthracoptera carbonaria* is the same as Dawson's *Naiadites carbonarius*. The genus *Naiadites*, therefore, will have to be used and *Anthracoptera* discarded. The British forms referred to the latter genus, in the author's 1893 paper, will now be called *Naiadites*.

I must admit the error of which I am convicted by Sir William Dawson—namely, that I confounded *Naiadites lævis* and *Estheria Dawsoni*—the more so as the fault was due to carelessness in comparing the numbers of quoted pages.

I am not able to state that any of the species submitted to me are the same as British forms, therefore the specific names must still remain, though, if at any time in the future more perfect specimens are obtainable, it may be quite possible to do so.