

NOTE ON GRAPHIPHORA, HUBN.

BY A. R. GROTE, A. M., BREMEN, GERMANY.

On page 92 of the Bulletin U. S. N. Museum, No. 28, Prof. Smith says: "Mr. Butler says *augur* is the type of *Graphiphora*, Ochs., in which case the application of the name to the *Taeniocampa* series by Mr. Grote would be unwarranted." I never fixed the type of Ochsenheimer's genus *Graphiphora*. What I did was to fix the type of Hübner's genus *Graphiphora* (see Check List, Part II., 1876, p. 37). Hübner proposes the name in the Tentamen for *gothica*, which, as it is the only species given, is therefore the type. Afterwards, in 1816, Ochsenheimer, 4, 68, includes *ravida* and 16 species not separable from *Agrotis*. Hubner's type, *gothica*, Ochsenheimer includes under *Episema*. By what process Mr. Butler assumes *augur* as the "type" of Ochsenheimer's genus is unknown to me. In any event Hübner's genus *Graphiphora* has precedence for *Taeniocampa* of Gueneé.

I may here also correct a misapprehension of Prof. Smith's with regard to the use of *vetusta* by Mr. Walker. On page 212, l. c., Prof. Smith says: "Mr. Grote has suggested that this (*i. e.*, *Agrotis vetusta*, Walk.) may be the same as *murænula*, G. & R., but this can scarcely be so if the description is at all to be relied upon." In reply I would say that I never suggested that *Agrotis vetusta*, Walk., was = *murænula*, but that *Mamestra vetusta*, Walk., might be that species (see Essay, p. 43.) It appears that Walker has two *vetustæ*, consequently Prof. Smith's apprehension that *murænula* may come to be discarded for either of them, proves groundless.

From an examination of Walker's type of *Mamestra insulsa* I came to the conclusion that it was probably an *Agrotis*. Prof. Smith says, Bulletin, p. 209: "Mr. Grote, whose reference of the species to *Agrotis* has been followed, gives no suggestion as to the species it most resembles, or where its allies are to be found." On page 43 of the Essay, where I make the reference, I say: "The specimen (from Canada) is evidently an *Agrotis*, allied to *Repentis*, and unknown to me."