

compared *Euproserpinus* I am satisfied that this is not *Lipisesia*; it is made a distinct section of *Macroglossa* by Boisduval; it is our nearest genus to *Macroglossa*. I have compared *M. stellatarum* with the species of *Hemaris*. Not only the opaque wings, but the vestiture, tuftings, head, neuration, give comparative differences which I set down as generic. It has been one of my studies, and I believe I am even the first writer to correct the statement that the European *Hemaris* has a vein on the cell; on removing the bar of scales I found no vein as described in European text books of ten or more years ago. We have no true *Macroglossa* and no true *Acherontia* in North America, though both are asserted. The remaining genera have the wings angulate, except *Arctonotus* and *Cautethia*. These are: the genus to which *gaurae* belongs, *Amphion*, *Thyreus* and *Deidamia*. If Prof. Fernald will examine the primaries of these three last genera, he will find them very like, also the body tuftings, though the abdomen is elongated in *Deidamia*, and has lost the plump typical Macroglossian form. But the larva has not the cordate head of *Smerinthus*, and I cannot class the moth with this latter, notwithstanding what Butler says. The fact that *Deilephila* also pupates like the first group and does not enter the ground, that the flight is often diurnal, the colors vivid, make me bring the *Chærocampini* in here. It is a noticeable fact that the lower genera of the Macroglossinæ and many Chærocampinæ feed on the grape. I have nothing to say upon these genera of the second group except that I believe *Ampelophaga* to be older than *Everyx*; if therefore *Myron* and *Versicolor* are congeneric, they may both be referred to this genus of Bremer's; while for *Chærilus* we may retain *Everyx*. Having studied extra-limital Chærocampid forms with angulated wings, I discovered an *Ambulyx* from Brazil with eye-spots like a *Smerinthus*, and I look upon this genus as a sort of passage to the Smerinthinæ in consequence, aided by the sunken head, brown colors with roseate patches, etc. The Smerinthinæ feed as larvæ on fruit and nut trees. We have one true *Smerinthus*, congeneric with *ocellatus* of Europe, viz., *ophthalmicus* from California. Then we have a type which deviates in small details and is represented by *geminatus*, having a representative in Asia Minor, as Butler tells us. Prof. Fernald points out that *Cerisyi* agrees with *Calasymbolus Astylus* in antennal structure, but I never saw *Cerisyi*, which, from the figure of Kirby, seemed to me like *geminatus*, with which, if I remember rightly, Kirby compared it. Probably there is nothing like *Astylus*, *Cerisyi* or *myops* in the Old World, and it would be