

Am. So that the synonymy is rather mixed, and I give the above as a sample of the difficulties caused by attempts at utilizing the illy-executed figures and indifferent descriptions of some of these old books.

However, Fabricius (Ent. Syst. 3, No. 479) describes *morpheus* as a N. Am. insect, and in language, which though brief, is applicable to the summer form of what for many years has been known as *tharos*. Parvus. Alae omnes integerrimae, fulvae, maculis margineque nigris. Posticae punctis sex nigris in strigam dispositis versus marginem posticum. Subtus anticae fulvae, nigro maculatae, posticae pallascentes strigis undatis, margine punctisque sex fuscis. And accordingly, as it is best to designate by name the dimorphic forms of any species, I call the entire species *tharos*, the summer form var. *morpheus* Fab., the winter form var. *marcia*, and take no heed of Cramer's figures.

The figures of the male *tharos* in Bois. and Lec., are not very exact either, but may be taken to represent the var. *morpheus*. But the female must have been drawn from *Batesii*, and evidently Dr. Boisduval had this insect before him when he wrote these words: "We possess individuals which we consider as varieties, of which the primaries are black, with some fulvous spots and a transverse macular band of the same color. The hind wings do not differ, *except that the lines on the basal area run together*. Beneath, *the hind wings are wholly deprived of a brown border; the fore wings have likewise a part of the border effaced, but that which remains is blacker than in ordinary individuals.*" An excellent description of *Batesii*.

My experiments have thrown no light on the position or history of *Batesii*, and inasmuch as this is certainly a winter form (though I am not yet able to say that it may not be a summer form also), and the only larvae of *tharos* so far carried through the winter having been from the Catskills, where *Batesii* is never taken, I could not expect this last to appear among the resulting butterflies, even if it were only a variety of *tharos*. If I succeed in saving the hibernating larvae which I now have, most of which originated at Coalburgh, the point as to relationship of these species, or forms, may be settled this coming spring. *Batesii* is not common here, and I have taken perhaps a dozen examples in course of several years; all these were flying with *marcia*.