duct in New England as elsewhere of the form Fabricii. Our author proceeds: "The reason for this variation" (that is, between the dimorphic forms) " is difficult to explain, as neither food nor atmospheric change appear to have anything to do with it, for we find that Mr. Edwards has produced both forms where the larvæ were found under precisely the same circumstances." Both the forms spoken of are figured in But. N. A., vol. 1, and the life history at Coalburgh is given at length. Also in C. E., x., 73, and xiv., 201. I gave the result of many years observations at Coalburgh on this species, stating that all the hibernating butterflies had been Fabricii, except in a single instance; that the eggs laid by females of this early Fabricii produced a mixed brood, the large majority of individuals being Umbrosa. And eggs of Umbrosa, of this mixed brood, again produced a mixed brood, the large majority still being Umbrosa. eggs of these last Umbrosa had produced Fabricii only, late in the year. and these were hibernators. At the north, where there are two broads only, the dimorphism is complete, and this is the case with all seasonallydimorphic species of butterflies, which are also only two-brooded. at the south, or where the length of the warm season permits one or move additional broods to mature-and these seem to be inserted between the two original ones—the result in such additional broods is a mixture of the But in the case of Interrogationis, there is a preponderating two forms. tendency towards the summer form, Umbrosa, imperfectly counteracting the inherited tendency of the species to produce the winter form Fabricii. as it would in New England.

These results are not only interesting but biologically very important, and the forms are not to be regarded as simple variations. Food has nothing to do with dimorphism, nor has atmospheric change, but climate has. Vide Weismann, vol. 1. In my paper referred to, Can. Ent., x., p. 73, I offered a conjecture that at the north, Fabricii would be found to be the winter form and Umbrosa the summer, and expressed a hope that some lepidopterist would examine into the matter and report. If Mr. Sprague has made the necessary observations, I hope he will publish them.

Under Melitaea (Phyciodes) Tharos, we are told that the larvæ of first brood give the "butterflies known as Morpheus," while the larvæ of the second hibernate, to produce "the butterfly known as Myrina," in June. That is a mistake for Marcia. But here again the names of the forms had to be used to make the story intelligible.

Satyrus Alope is given as one species, S. Nephele as another, though