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SOME NOTES UPON THE SPHINGIDÆ OF THE UNITED STATES.

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I am indebted to my esteemed correspondent, Prof. C.-H. Fernald, for a copy of his recent Synopsis of the Sphingidæ of New England. I have been greatly pleased with it, and trust that it will meet with that general distribution among the students of our beautiful science which it deserves. In the following lines I wish to present a few observations which the perusal of Prof. Fernald's book suggests.

Hemaris Tenuis, Grote.

Prof. Fernald remarks of this species: "The early stages and food plants are unknown." Presuming that the statement of the learned Professor is warranted by an exhaustive search through the literature of the subject, I shall venture to supply from my own observation what strikes me as a surprising deficiency, since *Hemaris Tenuis* is one of our most abundant species in Western Pennsylvania.

The food plant is the Snow-berry, *Symphoricarpos racemosus*, and I took last fall from one bush of this plant over twenty larvæ. My breeding cages this morning (April 26th) are full of the perfect insects, which, having just emerged from chrysalis, and lost none of the scales which at this stage cover the pellucid parts of the wings, are all of the form "*fumosa*" described by Strecker (Lepidoptera Rhopal. and Heteroceres, pp. 93, 140). Flown specimens, which abound at the lilacs in the grounds near by, are without the "smoky" appearance which led our Reading savant to apply the name, and show themselves unmistakably as "clear-wings."

Larva and Chrysalis.—A part of each larval brood is light apple-green in color; a part is reddish brown. This phenomenon is often apparent in the larvæ of the Sphingidæ, and is manifestly not due to the influence of the food plant, as both varieties are found side by side upon