the secretion is confined to the opening on 11th segment, or is also given by the tubes on 12th, remains to be determined by farther observations.

I find no mention in any author accessible to me of ants attending lepidopterous larvae. Kirby & Spence (Longman, 1856), p. 336, say: "Not only the Aphides yield this repast to the ants, but also the Cocci, with whom they have recourse to similar manœuvres and with equal success; only in this case the movement of the antennae over their body may be compared to the thrill of the finger over the keys of a pianoforte." (This describes well the movements over our larva.) "Even beetles are occasionally made cows of by *Formica flava*, which keeps in its nest *Claviger foveolatus*, and obtains from the bristles terminating its elytra a gummy secretion which it uses for food," &c. And Mr. Belt, "Naturalist in Nicaragua," p. 227, describes the attending of larvae of leaf-hoppers by ants, but even this careful observer does not seem to have noticed the ants with lepidopterous larvæ.

The history of *pseudargiolus* in Virginia is this: In the early spring *violacea* appears, a very distinct form, and characterized by dimorphism in the female, some of that sex being blue, others black. The eggs laid by *violacea* give larvæ from which comes *pseudargiolus* last of May, but the food plant of such larvæ is not yet known—possibly *Cornus*. The female *pseudargiolus* lays eggs on *Cimicifuga racemosa*, and most of the resulting butterflies over-winter, to produce perhaps *violacea*, but also perhaps the typical *pseudargiolus* again (which of the two I hope to ascertain by March, 1878). But a small percentage, say five, of these chrysalids give butterflies at irregular intervals during the same year, at least as late as September, and the earliest of these, if I may judge by what I have seen in the field as well as by the results in my boxes this summer, are males, the females mostly if not wholly emerging latest. These butterflies are always smaller than the parents (the typical *pseudargiolus*), some not much, however, but nearly all considerably, and these last are nothing more nor less than what I named, described and figured (But. N. A., I, pl. 50) as *neglecta*. I cannot see any distinction between them and examples of *neglecta* from New York. Besides the difference in size there is usually but not always some in the shade of upper surface between these and *pseudargiolus*, and on the under side the marginal crescents and discal spots are usually but not always more decided than in the latter. The intermediate examples may be called small *pseudargiolus* or large *neglecta*. There is no regular second summer brood—that is, there are