

It was only through receiving some aptera from that tree sent by Mr. Britten, from Cumberland, that I discovered this general mistake.

That the so-called Brown, Blue and Rosy Aphis or Leaf-curling Aphis of the apple in England was not *Aphis sorbi* was at once seen, for Kaltenbach\* clearly stated that the cornicles of the apterous ♀ were "blassgelb, an der Spitze bräunlich," whilst the erroneously called *Aphis sorbi* has them markedly black in all stages.

Probably the presence of the four pre-anal papillæ in both species led Sanderson and others to the conclusion that they were the same. Very similar papillæ, I find, also occur in Kaltenbach's *Aphis crataegi*.

I have not attempted to deal with all the known features of the life histories of these insects, nor the full bibliography, but merely point out their proper names and the salient features of their bionomics as observed in Britain and the literature examined.

The Woolly Aphis (*Eriosoma lanigera*) is not dealt with, however, as I am preparing a special report on this insect in regard to its life in Britain. Several other species have been found on the apple in America; only one of these, so far, is known in Europe, namely, Koch's *Aphis medicaginis*, which I have found in England, but which, up to now, has not been noticed on the apple. These are referred to in a note at the end of this paper. I also add the description of an undescribed Apple Aphis from Africa.

#### SYNONYMIC LIST OF BRITISH APHIDIDÆ FOUND ON THE APPLE.

##### 1. *Aphis pomi* De Geer.

*Aphis mali* Fabricius.

*Aphis pyri* Kittel (non Boyer, Koch).

*Aphis padi* Sanderson (non Linnæus).

*Aphis oxyacanthæ* Schrank.

##### 2. *Aphis kochii* Schonteden.

*Aphis pyri* Koch (non Boyer).

*Aphis pyri-mali* Fabricius (part).

*Aphis mali* Buckton (part), Britton.

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\*Mono. Pflanzenlause, I, p. 70. 1843.