

APHIDIDÆ FOUND ON THE APPLE IN BRITAIN AND THE DESCRIPTION OF A NEW SPECIES FROM AFRICA.

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APHIDIDÆ FOUND ON THE APPLE IN BRITAIN.

No less than eight species of Plant Lice or Aphididæ have been found at different times on the apple in Great Britain. The following are the species I have examined:—

1. *Aphis pomi* De Geer.
2. *Aphis kochii* Schonteden.
3. *Aphis crategi* Kaltenbach.
4. *Aphis nigra* nov. nom (*oxyacanthæ* Koch).
5. *Aphis rumicis* Fabricius.
6. *Siphocoryne avenæ* Fabricius.
7. *Phorodon humuli* Schrank.
8. *Eriosoma lanigera* Haussman.

Of these, four species are common, namely, *Aphis pomi*, *Aphis kochii*, *Siphocoryne avenæ* and *Eriosoma lanigera*.

Of the others, I have several times received or found Kaltenbach's *Aphis crategi*, which must not be confounded with the *Aphis* of that name redescribed by Buckton in his Monograph of British Aphides,* which is a totally distinct insect—green, not black! *Aphis rumicis* was sent me once from apples in 1900, and in 1904 I found many on some "Maiden" apples, undoubtedly "casuals" in both cases. Nevertheless this Aphid was reproducing on the fruit trees.

Aphis oxyacanthæ Koch (non Schrank) has been sent me once from Berkshire.†

Phorodon humuli, the Hop-Damson Aphid, was found in 1911 breeding on a few apple trees at Wye in considerable numbers. The chief object of this paper is to show that the most harmful of all apple-leaf and shoot-feeding "Plant Lice" in Great Britain is Koch's *Aphis pyri*, renamed by Schonteden *Aphis kochii* (for reasons afterwards given), and not as has been stated here and in America, Kaltenbach's *Aphis sorbi*, which was described from specimens found on *Sorbus aucuparia*, a totally distinct species.

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†This I have renamed *Aphis nigra*.

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