

it often occurs in great abundance. On young nursery stock, however, I have seen it not only stunt the growth to a very great extent, but to actually kill the tender tips of the shoots. In America Miss Patch says that it is by far the most troublesome of the leaf aphides of the apple in Maine; contrary to what we notice in Britain. It can easily be dealt with by spraying, unlike our most troublesome Apple Aphis—*Aphis kochii*.

The hind tibiae of the oviparous female are not swollen, as is usual, and bear but very few sensoria; in fact, in many I have been unable to find any pores at all.

(TO BE CONTINUED).

SOME 1915 NOTES ON A FEW COMMON JASSOIDEA IN
THE CENTRAL MISSISSIPPI VALLEY STATES.

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The past year has been especially favourable for jassid collecting in the Central Mississippi Valley, principally because of frequent rains favouring rank growth of native grasses and weeds, and an ever abundant supply of tender plant growth and foliage. The following notes are from observations made in western Illinois, Kentucky, Tennessee, eastern Missouri and Arkansas.

Draculacephala mollipes Say was everywhere abundant from early spring until late fall. During the early summer it was very numerous in northern Arkansas, where it caused considerable injury to young corn. Great quantities were observed around electric lights in the heart of the city of St. Louis early in September. There is no doubt but that *D. mollipes* has a characteristic habit of long flights at night. This is one, if not the most general feeder of all the Jassoidea. However, oviposition seems to be confined principally to grains, grasses, and grass-like plants. This sharp-headed grain leafhopper was seldom taken in sweepings from the foliage of trees.

Diedrocephala versuta Say became abundant during the late summer. It was found to be of economic importance to cow-peas in Missouri, where occasional injury was noted to the tender growth of the vines. Alfalfa is the only other field crop upon which they were found abundant. Adults were collected from many ornamental