

2 Lancashire and Cheshire Fauna Committee.

pairs were taken in copula; small batches of eggs were frequent and many were subsequently laid by the snails brought away.

Those taken in copula on January 9th., have not yet laid eggs, and I have on many occasions seen them pairing again.

The tip would be of interest to other naturalists, for the lumps of cocoa-nut are full of a variety of earth worms and larvæ; beetles, wood-lice and other small animals are plentiful.

Aptera.

Campodea wallacei, Bagn., from Lancashire

BY RICHARD S. BAGNALL, F.R.S.E., F.L.S.

SINCE I published a report on the Lancashire *Campodeidæ* in July 1918 I have had a further opportunity of collecting in the Grange-over-Sands neighbourhood, when I secured several species of *Campodea*. Of these I have already recorded *C. fragilis*, Mein., *C. lubbocki*, Silv., *C. staphylinus*, Westw., and *C. meinerti*, Bagn., from Grange-over-Sands; the last named rested on a single example so that it was pleasing to find it in numbers on this occasion. The following three species are new to this district and one of them *C. wallacei*, Bagn., is an interesting addition to the Lancashire and Cheshire faunal area. Of the nine species known from Lancashire all are now recorded from Grange-over-Sands.

***Campodea wallacei*, Bagn.**—This species is apparently attached to dead and decaying beech leaves and, though very local, would seem to be widely distributed. Since describing it from the Newcastle district I have seen it several times, and have records from Derbyshire, Yorkshire and Surrey.

LANCS. Several examples under a stone embedded amongst dead beech leaves, Grange-over-Sands, April, 1919.

***Campodea lankesteri*, Silv.**—LANCS. Grange-over-Sands April 1919. Already reported from Liverpool.

Campodea gardneri, Bagn.—LANCS. Grange-over-Sands April 1919. A small, widely distributed and common species often associated with *staphylinus*. Already recorded from Ainsdale.

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Campodea fragilis, Mein.—LANCS. In addition to Grange examples above mentioned I have received this species from Poulton, collected by my friend Mr. J. C. Varty-Smith.

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The following is a list of the British species of *Campodea*, an asterisk denoting those now known from the County of Lancashire.

SECTION 1.

- *1. *C. fragilis*, Mein.
- *2. *C. lubbocki*, Silv.
- *3. *C. silvestrii*, Bagn.
- *4. *C. gardneri*, Bagn.
- *5. *C. lankesteri*, Silv.
- *6. *C. meinerti*, Bagn.
- *7. *C. wallacei*, Bagn.
- 8. *C. giardi*, Silv.

SECTION 2.

- *9. *C. staphylinus*, Westw.
- *10. *C. grassii*, Silv.

SECTION 3.

- 11. *C. westwoodi*, Bagn.
- 12. *C. devoniensis*, Bagn.

Symphyla.

Symphylella jacksoni, Bagn., from Lancashire.

BY RICHARD S. BAGNALL, F.R.S.E., F.L.S.

SINCE describing this species from the Flintshire side of the Dee estuary I have seen odd examples from many parts of England, including the extreme south, and Mr. Ruskin Butterfield has taken it in numbers in the Hastings district. In Northumberland I have taken it at the edge of a salt-marsh at Warkworth, and I am now able to record a single example from the shore edge at Kent's Bank, Grange-over-Sands, where I took it in April, 1919.

As the original examples recorded from Cheshire were in reality taken in Flintshire, it is gratifying to record *S. jacksoni* from within the confines of the Lancashire and Cheshire faunal area.