

INSECTS OF CAMPBELL ISLAND.

HEMIPTERA. HOMOPTERA : APHIDIDAE

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Abstract: A collection of 146 specimens of aphids from Campbell Island has been examined. The species identified are *Aulacorthum circumflexum* (Buckt.), *A. malvae* (Mosley), *A. solani* (Kalt.), *Brachycaudus helichrysi* (Kalt.), *Jacksonia papillata* Theo., *Myzus ascalonicus* Doncaster, and *Rhopalosiphoninus staphyleae* (Koch). These are all introduced species, *Myzus ascalonicus* being the most widespread in its distribution.

A collection of aphids made on Campbell Island during visits of collectors from Bishop Museum, Honolulu, during the last three years, has been sent to me for examination. This opportunity of studying these aphids from one of the outlying islands of New Zealand is much appreciated. The collection consists of 15 alates, 59 apterae and 72 immature forms. Most of these immature forms could not be identified with certainty and these do not appear in the records listed below.

All the species recorded are introduced and are known from New Zealand (cf. Cottier, 1953) and other parts of the world. The most interesting ones to me are *Myzus ascalonicus* Doncaster and *Jacksonia papillata* Theo. To my knowledge *M. ascalonicus* is recorded in New Zealand in one collection from Lincoln, Canterbury, only (Commonwealth Institute of Entomology Distribution Maps of Pests, Series A, No. 113, June 1960) whereas on Campbell I. it appears to be distributed fairly widely. *J. papillata* is also recorded in New Zealand only at Lincoln, Canterbury (Eastop, 1962); there is only one specimen from the collection from Campbell I. The species identified are as follows:

***Aulacorthum circumflexum* (Buckton) 1876**

Tucker Cove, 0-100 m, *Dracophyllum* leaf mold, Berlese funnel, 1.II.1963, K. A. J. Wise; Tucker Cove, *Bulbinella rossii* Hook. f., 13.XII.1961, J. L. Gressitt.

***Aulacorthum malvae* (Mosley) 1841**

On imported *Pelargonium*, 1.III.1963, Wise.

***Aulacorthum solani* (Kaltenbach) 1843**

Shoal Point, 0-10 m, 7.II.1963, K. Rennell; Tucker Cove, lichens on *Dracophyllum*, Berlese funnel, 1.II.1963, Rennell; Venus Cove, tussock, 2.II.1963, Rennell.

***Brachycaudus helichrysi* (Kaltenbach) 1843**

Filhol Peak, 213 m, lichens and moss, Berlese funnel, 9.II.1963, Wise; Monument Har-

bor, lichen on shore rocks near beach, Berlese funnel, 9. II. 1963, Wise; Shoal Point, tussock, 1. XII. 1962, Rennell; Shoal Point, *Tillaea* on shore rock, Berlese funnel, 7. II. 1963, Wise; Shoal Point, nest with 2 black gull chicks *Larus dominicanus* previously used this season by Antarctic terns, *Sternavittata bethunei*, Berlese funnel, 7. II. 1963, Wise; Shoal Point, 0–10 m, swept from tussock, 29. VII. 1962, Rennell.

Jacksonia papillata Theobald 1923

Beeman Hill, 100–180 m, *Pleurophyllum speciosum* Hook. f., 11, 16. XII. 1961, Gressitt.

Myzus ascalonicus Doncaster 1946

Beeman Camp, 2–50 m, Trap Nets Set 1 (1–6), 6–11. XII. 1961, Gressitt; Beeman Camp, 2–50 m, Trap Nets Set (1–6), 6–11. XII. 1961, Gressitt; Beeman Camp, 2–50 m, Trap Nets Set 1 (1–6), Box 2, 1–5. XII. 1961, Gressitt; Beeman Hill, *Pleurophyllum*, 2. II. 1963, Wise; Beeman Hill, 100–180 m, *Pleurophyllum speciosum* Hook.f., 11, 16. XII. 1961, Gressitt; Camp Cove, sweeping long grass along banks of stream, 5. II. 1963, Rennell; Lookout Bay, 3 m, *Stilbocarpa polaris* (Homb. & Jacq.) Gray, 30. XII. 1961, Rennell; Lyall-Beeman Saddle, 70 m, *Pleurophyllum*, 3, 5, 8, 12. XII. 1961, Gressitt; Moubray Hill, low plants near summit, 16. II. 1963, Wise; Mt. Honey, 140 m, low plants on rock, Berlese funnel, 24. II. 1963, Wise; Perseverance Harbor, 4 m, shag resting place in plants growing in grass, 25. VII. 1961, Rennell; Perseverance Harbor, Berlese funnel, 24. II. 1963, Wise; Shoal Point, *Tillaea* on shore rock, Berlese funnel, 7. II. 1963, Wise; Shoal Point, nest with 2 black gull chicks *Larus dominicanus*, previously used this season by Antarctic terns *Sternavittata bethunei*, Berlese funnel, 7. II. 1963, Wise; Tucker Cove, 4 m, *Stellaria* ?, 23. XI. 1961, Gressitt; Tucker Cove, 4 m, Malaise Trap, 26. III. 1963, Wise; Tucker Cove, 0–100 m, *Dracophyllum* leaf mold, Berlese funnel, 1. II. 1963, Wise; Tucker Cove, grass, 1. XII. 1963, Gressitt; Venus Cove, tussock, 2. II. 1963, Rennell.

Rhopalosiphoninus staphyleae (Koch) 1854

Lookout Bay, 3 m, *Stilbocarpa polaris* (Homb. & Jacq.) Gray, 30. XII. 1961, Rennell, Tucker Cove, 0–100 m, *Myrsine* leaf mold, 26. II. 1963, Wise.

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