

A CHECK LIST OF THE APHIDS OF TASMANIA AND THEIR RECORDED HOST PLANTS

By

E. J. MARTYN

and

L. W. MILLER

*Entomology Division, Department of Agriculture,
Hobart*

ABSTRACT

In this first check list of the aphids occurring in Tasmania, 69 species are recorded. Of these 42 have been recorded from both host plants and aphid traps, 12 on host plants only and 15 solely from traps. The host plant list comprises 148 species from 46 botanical families.

identity have been omitted. The only exception is for some of the aphid trap records where the large bulk of common species has not been retained. The information is complete to December 31st, 1961. Later records have been included only in exceptional instances.

INTRODUCTION

Although various species of aphids have been recorded from time to time by previous Government Entomologists (Thompson, 1892 and 1895; Lea, 1908; Evans, 1943) no check list of the aphids occurring in Tasmania has ever been published. When one of us (L.W.M.) initiated a study of the aphid fauna of Tasmania in 1944 there was virtually a complete lack of specimens, identified or not, in the collection of the Tasmanian Department of Agriculture. This was unfortunate as it prevented a direct check from being made on the validity of previous records, some of which on the basis of our present knowledge were certainly erroneous.

Collections from 1944 onwards have greatly increased the number of species known to occur in Tasmania from the 18 species recorded by Evans (1943) to the 69 species now recognized. By 1957 the stage had been reached where the publication of a check list was considered desirable and one of us (E.J.M.) has been engaged since that time in checking the slide and spirit collections and revising the earlier identifications in the light of current usage. An aphid trapping programme initiated in 1960 has also resulted in the discovery of some further species.

This check list is arranged in three sections. The first section is an alphabetical list of aphid species and contains the records of hosts, localities and collection dates; the second is an alphabetical list of host plants and the aphids recorded on them; and the third is an alphabetical list of botanical families and the genera in these families that have been recorded as aphid hosts in Tasmania.

The check list is based on specimens retained in the permanent collection of the Department of Agriculture and host records for which aphid specimens are not available for confirmation of

LIST OF APHID SPECIES

1. *Acyrtosiphon pelargonii* (Kalt.) s.str.
Host: *Erodium moschatum* (L.) Ait.
Localities: Grove, New Town, Triabunna.
Collection Dates: Oct., Nov.
Trap Records: April, June, July, Sept.-Dec.
2. *Acyrtosiphon pisum* (Harris) ssp. *spartii* (Koch).
Hosts: *Cytisus monspessulanus* L., *Lathyrus* sp.
Localities: Dymnyrne, Grove, New Town, Sandy Bay, Tarooana.
Collection Dates: June, July, Nov., Dec.
Trap Records: Oct.-Jan., May.
3. *Acyrtosiphon primulae* (Theo.).
Host: *Primula* sp.
Localities: New Town, Tarooana.
Collection Dates: April, July, Oct.
Trap Records: —.
4. *Aphis acaenovinae* Eastop.
Host: —.
Localities: Grove, New Town.
Collection Dates: —.
Trap Records: Oct., Dec.
5. *Aphis craccivora* Koch.
Hosts: *Clianthus puniceus* B. & S., *Lotus* sp., *Phaseolus multiflorus* Willd., *Phaseolus vulgaris* L., *Trifolium repens* L., *Trifolium subterraneum* L., *Vicia faba* L., *Vicia faba* L., var. *minor* Beck., *Vicia sativa* L.
Localities: Cressy, Grove, Hobart, Kingston, Latrobe, New Town, Sandy Bay, Sorell, Strathblane, Tarooana.
Collection Dates: Feb., March, June, July, Sept., Nov., Dec.
Trap Records: Aug., Oct.-April.

6. *Aphis gossypii* Glover
 Hosts: *Aster* sp., *Bouvardia* sp., *Cassia* sp., *Cucumis sativus* L., *Cucurbita pepo* L., *Cyphomandra betacea* Sendt., *Lachenalia tricolor* Thunb., *Photinia* sp., *Sedum* sp.
 Localities: Burnie, Grove, Hobart, Launceston, New Town, Sandy Bay, Tarroona.
 Collection Dates: Jan.-March, June, July, Sept.-Nov.
 Trap Records: Sept.-May.
7. *Aphis nerii* B.d.F.
 Host: *Asclepias fruticosa* L.
 Localities: Hobart, New Town.
 Collection Dates: March.
 Trap Records: Oct., Dec.-April.
8. *Aphis spiraeicola* Patch.
 Hosts: *Aster* sp., *Chaenomeles japonica* Lindl., *Cotoneaster* sp., *Hydrangea* sp., *Pyrus communis* L., *Pyrus malus* L., *Spiraea* sp., *Viburnum opulus* L. var. *sterile* DC.
 Localities: Devonport, Grove, Hobart, Margate, New Town, Premaydena, Ranelagh, Sandy Bay.
 Collection Dates: Jan.-March, May, July, Nov.
 Trap Records: Sept.-June.
9. *Aphis* sp.
 Host: —.
 Locality: Grove.
 Collection Dates: —.
 Trap Records: Jan.
10. *Aploneura lentisci* (Pass.).
 Hosts: *Bromus mollis* L. (roots), *Lolium perenne* L. (roots), *Ribes nigrum* L. (roots).
 Localities: Grove, Hayes, Margate, New Town, Ouse.
 Collection Dates: March, June, Oct., Dec.
 Trap records: Nov.-March.
11. *Aulacorthum solani* (Kalt.).
 Hosts: *Campanula medium* L., *Lathyrus* sp., *Physostegia* sp., *Senecio* sp., *Solanum tuberosum* L.
 Localities: Dynnyrne, Grove, Hobart, New Town, Pittwater, Tewkesbury.
 Collection Dates: Jan., July, Oct., Dec.
 Trap Records: Sept.-June.
12. *Aulacorthum* (*Neomyzus*) *circumflexum* (Buckton).
 Hosts: *Adiantum* sp., *Cymbidium* sp., *Oxalis corniculata* L., *Vicia* sp.
 Localities: Sandy Bay, Tarroona.
 Collection Dates: May, July, Aug., Oct.
 Trap Records: —.
13. *Brachycaudus helichrysi* (Kalt.).
 Hosts: *Aster* sp., *Bedfordia salicina* DC., *Carduus pycnocephalus* L., *Centaurea cyanus* L., *Chamaecytisus proliferus* (L.f.) Link., *Chrysanthemum* sp., *Cotula coronopifolia* L., *Cytisus* sp., *Dahlia* sp., *Daisy* (Compositae), *Erechtithites quadridentata* (Labill.) DC., *Helianthus annuus* L., *Hibiscus* sp., *Senecio cruentus* DC., *Senecio* sp., *Trifolium pratense* L., *Veronica* sp., *Vicia faba* L.
 Localities: Cressy, Grove, Hobart, Launceston, Lenah Valley, Longley, Lutana, Margate, Mt. Stuart, Mt. Wellington (c. 1000 ft.), New Town, Pittwater, Rosny Pt., Sandy Bay, Summerleas, Tarroona, Tewkesbury.
 Collection Dates: March, April, June, Aug.-Jan.
 Trap Records: April-Jan.
14. *Brachycaudus persicaecola* (Boisd.).
 Hosts: *Prunus persica* Sieb. & Zucc., *Prunus salicina* Lindl.
 Localities: Dynnyrne, Hobart, New Town, Somerset.
 Collection Dates: Sept., Oct.
 Trap Records: Oct.-Dec.
15. *Brevicoryne brassicae* (L.).
 Hosts: *Brassica chinensis* L., *Brassica oleracea* L., *Brassica oleracea* L. var. *ramosa* Alef., *Cardaria draba* (L.) Desv.
 Localities: Grove, Hobart, New Town, Richmond, Summerleas.
 Collection Dates: March, April, July, Sept., Oct.
 Trap Records: Aug.-June.
16. *Capitophorus elaeagni* (del Guercio).
 Hosts: *Carduus pycnocephalus* L., *Cirsium arvense* (L.) Scop., *Cirsium vulgare* (Savi) Ten., *Cryptostemma calendula* (L.) Druce.
 Localities: Bridgewater, Cambridge, Cressy, Douglas River, Freshwater Point, Grove, Launceston, New Town.
 Collection Dates: May-July.
 Trap Records: Oct.-June.
17. *Cavariella aegopodii* (Scop.).
 Hosts: *Apium graveolens* L., *Daucus carota* L., *Foeniculum vulgare* Mill., *Pastinaca sativa* L., *Petroselinum crispum* (Mill.) Nym., *Salix* sp.
 Localities: Cressy, Glenorchy, Grove, Hobart, Howrah, Launceston, New Norfolk, New Town, Summerleas, Tarroona.
 Collection Dates: March-June, Oct.-Jan.
 Trap Records: Jan.-Dec.
18. *Chaetosiphon* (*Pentatrachopus*) *fragaeifolii* (Ckll.).
 Host: *Fragaria* sp. cult.
 Localities: Blessington, Hobart, New Town, Snug.
 Collection Dates: Jan., March, Aug., Nov.
 Trap Records: June, Nov.
19. *Chaetosiphon* (*Pentatrachopus*) *tetarhodum* (Walker).
 Hosts: *Rosa rubiginosa* L., *Rosa* sp. cult.
 Localities: Grove, Hobart, Lenah Valley, New Town, Summerleas, Ulverstone.
 Collection Dates: April, Sept., Nov.
 Trap Records: May, Oct.-Dec.

20. *Cinara (Cupressobium) cupressi* (Buckton).
Host: *Cupressus macrocarpa* Gord.
Localities: Claremont, Hobart, New Town, Sandy Bay.
Collection Dates: April, June, Aug., Sept.
Trap Records: Oct.
21. *Cinara (Cupressobium) tujaefilina* (del Guer.) species group.
Host: *Callitris tasmanica* (Benth.) B. & S.
Locality: Coles Bay.
Collection Date: May.
Trap Records: —.
22. *Cinara* sp.
Host: *Picea* sp.
Locality: Oatlands.
Collection Date: May (Specimens immature).
Trap Records: —.
23. *Coloradoa rufomaculata* (Wilson).
Host: *Chrysanthemum* sp.
Locality: Hobart.
Collection Date: April.
Trap Records: —.
24. *Drepanosiphum platanoides* (Schr).
Host: *Acer pseudoplatanus* L.
Localities: Hobart, New Town.
Collection Dates: April.
Trap Records: Feb.-June, Oct.-Dec.
25. *Dysaphis apiifolia* (Theo.).
Host: —.
Locality: New Town.
Collection Dates: —.
Trap Records: Jan., June.
26. *Dysaphis foeniculus* (Theo.).
Host: *Daucus carota* L.
Localities: Hobart, New Town.
Collection Dates: Feb., Dec.
Trap Records: Oct.-May.
27. *Dysaphis tulipae* (B.d.F.).
Host: —.
Locality: New Town.
Collection Dates: —.
Trap Records: Feb., March, Oct.-Dec.
28. *Elatobium abietinum* (Walker).
Hosts: *Callitris tasmanica* (Benth.) B. & S., *Picea excelsa* Link, *Picea* sp.
Localities: Coles Bay, Oatlands.
Collection Dates: May, Sept.
Trap Records: —.
29. *Eriosoma flavum* Jancke.
Host: —.
Locality: New Town.
Collection Dates: —.
Trap Records: Jan., April.
30. *Eriosoma lanigerum* (Hausmann).
Host: *Pyrus malus* L.
Localities: Elderslie, Geeveston, Hayes, Margate, New Town, Ranelagh.
Collection Dates: March-May, Dec.
Trap Records: —.
31. *Eriosoma lanuginosum* (Hartig).
Hosts: *Pyrus communis* L. (roots), *Ulmus campestris* L.
Localities: Cambridge, Castle Forbes Bay, Claremont, Grove, New Town, Ranelagh.
Collection Dates: Sept., Dec.-April.
Trap Records: Dec.-April.
32. *Euceraphis punctipennis* (Zett.).
Host: *Betula alba* L.
Localities: New Town, Tarooma.
Collection Dates: April, Sept.
Trap Records: Sept.-July.
33. *Hyadaphis foeniculi* (Pass.).
Hosts: *Daucus carota* L., *Lonicera* sp., *Petroselinum crispum* (Mill.) Nym.
Localities: Glenorchy, Hobart, New Town, Summerleas, Tarooma.
Collection Dates: April, Oct.-Dec.
Trap Records: Feb.-April, Oct.
34. *Hyalopterus arundinis* (F.).
Host: —.
Localities: Grove, New Town.
Collection Dates: —.
Trap Records: March-May, Dec.
35. *Hyperomyzus lactucae* (L.).
Hosts: *Ribes nigrum* L., *Ribes* sp., *Sonchus oleraceus* L.
Localities: Grove, Hobart, New Town, Ranelagh, Sandy Bay, Summerleas, Tarooma.
Collection Dates: Nov., Dec.
Trap Records: Jan.-Dec.
36. *Idiopterus nephrolepidis* Davis.
Host: *Adiantum* sp.
Localities: Hobart, New Town.
Collection Dates: March, April, Sept.
Trap Records: —.
37. *Kallistaphis basalis* Stroyan.
Host: *Betula alba* L.
Localities: Grove, New Town, Sandy Bay.
Collection Dates: April, Sept.
Trap Records: April-June, Oct.-Dec.
38. *Liosomaphis berberidis* (Kalt.).
Host: —.
Locality: New Town.
Collection Dates: —.
Trap Records: Oct., Nov.
39. *Lipaphis pseudobrassicae* (Davis).
Hosts: *Brassica rapa* L. (roots), *Raphanus raphanistrum* L., *Sinapis arvensis* L.
Localities: Bridgewater, Grove, New Town, South Riana.
Collection Dates: March, June, Oct.
Trap Records: Oct.-April.
40. *Macrosiphoniella sanborni* (Gill.).
Host: *Chrysanthemum* sp.
Localities: Hobart, Launceston, New Town.
Collection Dates: April, May, Aug.
Trap Records: April, May, Oct.

41. *Macrosiphum euphorbiae* (Thomas).
Hosts: *Antrirrhinum majus* L., *Bouvardia* sp., *Calendula* sp., *Campanula medium* L., *Capsicum* sp., *Cardaria draba* (L.) Desv., *Cassinia* sp., *Chenopodium album* L., *Cotula coronopifolia* L., *Cucurbita pepo* L., *Erodium moschatum* (L.) Ait., *Fragaria* sp. cult., *Galium aparine* L., *Humulus lupulus* L., *Hydrangea* sp., *Iris* sp., *Kentranthus ruber* (L.) DC., *Lachenalia* sp., *Lactuca sativa* L., *Leptosyne* sp., *Leucopogon richiei* R.Br., *Lycopersicon esculentum* Mill., *Myosotis scorpioides* L., *Narcissus* sp., *Oxalis corniculata* L., *Phaseolus vulgaris* L., *Phytostegia* sp., *Pisum sativum* L., *Potentilla* sp., *Primula* sp., *Rosa rubiginosa* L., *Rosa* sp. cult., *Rubus idaeus* L., *Rumex crispus* L., *Senecio* sp., *Solanum marginatum* L.f., *Solanum tuberosum* L., *Sonchus asper* (L.) Hill, *Sonchus oleraceus* L., *Tropaeolum majus* L., *Tulipa* sp.
Localities: Austin's Ferry, Grove, Hayes, Hobart, Launceston, Lenah Valley, Longley, Mt. Stuart, Myrtle Bank, New Norfolk, New Town, Richmond, Sandy Bay, South Arm, South Bruny Island, Summerleas, Tarooma, Tewkesbury, Triabunna, Tunnack, Ulverstone.
Collection Dates: Jan.-Dec.
Trap Records: July-May.
42. *Macrosiphum rosae* (L.).
Hosts: *Rosa rubiginosa* L., *Rosa* sp. cult.
Localities: Hobart, Lenah Valley, New Town, Sandy Bay, Summerleas, Tarooma.
Collection Dates: April, June, Aug., Sept., Nov.
Trap Records: March, April, Sept.-Nov.
43. *Macrosiphum (Sitobion) avenae* (F.) ssp. *miscanthi* Takahashi.
Host: *Primula* sp.
Localities: Grove, New Town.
Collection Dates: Oct.
Trap Records: Oct., Dec.-Feb.
44. *Myzocallis annulata* (Hartig).
Host: *Quercus* sp.
Localities: Cambridge, Cradoc, Grove, Hobart, New Town.
Collection Dates: Oct., Nov.
Trap Records: Oct.-May.
45. *Myzocallis castanicola* Baker.
Host: *Quercus* sp.
Localities: Hobart, New Town.
Collection Dates: Sept., Oct.
Trap Records: March-June, Oct.-Dec.
46. *Myzocallis coryli* (Goetze).
Hosts: *Corylus colurna* L., *Corylus* sp.
Localities: Hobart, Huonville, New Town.
Collection Dates: May.
Trap Records: Oct.
47. *Myzus ascalonicus* Donc.
Host: —.
Locality: New Town.
Collection Dates: —.
Trap Records: Oct.
48. *Myzus cerasi* (F.).
Hosts: *Galium aparine* L., *Prunus cerasus* L.
Localities: Grove, Molesworth, New Town, Premaydena, Tarooma.
Collection Dates: Oct., Nov.
Trap Records: March, April, July-Nov.
49. *Myzus cymbalariae* Stroyan.
Hosts: *Allium ascalonicum* L., *Euphorbia pepylus* L., *Rumex crispus* L., *Stellaria media* (L.) Vill., *Trifolium repens* L., *Vicia* sp., *Viola tricolor* L. var. *hortensis* DC.
Localities: Grove, New Town, Tarooma.
Collection Dates: July-Sept.
Trap Records: July-Nov.
50. *Myzus ornatus* Laing.
Hosts: *Calceolaria* sp., *Daucus carota* L., *Euphorbia pepylus* L., *Fuchsia* sp., *Hydrangea* sp., *Impatiens balsamina* L., *Medicago sativa* L., *Mentha spicata* L., *Pelargonium* sp., *Petroselinum crispum* (Mill.) Nym., *Rumex crispus* L., *Sanchezia* sp., *Senecio cruentus* DC., *Stellaria media* (L.) Vill., *Trifolium repens* L., *Veronica* sp., *Vigna sinensis* (L.) Endl., *Viola tricolor* var. *hortensis* DC.
Localities: Grove, Hobart, Lenah Valley, Mt. Stuart, New Town, Sandy Bay, Summerleas, Tarooma.
Collection Dates: April, June-Oct., Dec.
Trap Records: Feb.-Dec.
51. *Myzus persicae* (Sulz.).
Hosts: *Althaea rosa* Cav., *Asclepias fruticosa* L., *Bouvardia* sp., *Brassica oleracea* L. var. *ramosa* Alef., *Capsicum* sp., *Cotula coronopifolia* L., *Cryptostemma calendula* (L.) Druce, *Datura stramonium* L., *Erodium moschatum* (L.) Ait., *Euphorbia pepylus* L., *Hebe hulkeana* F.v.M., *Humulus lupulus* L., *Lactuca sativa* L., *Lycium ferocissimum* Miers, *Lycopersicon esculentum* Mill., *Mattiola incana* R.Br., *Pisum sativum* L., *Prunus persica* Sieb. & Zucc., *Prunus* sp., *Sinapis arvensis* L., *Solanum tuberosum* L., *Tulipa* sp., *Vicia faba* L.
Localities: Bridgewater, Freshwater Point, Glenorchy, Grove, Hayes, Hobart, Launceston, Lenah Valley, Lindisfarne, Mangalore, New Norfolk, New Town, Richmond, Rose Bay, Sandy Bay, Scottsdale, Somerset, Tarooma, Tewkesbury.
Collection Dates: Sept.-July.
Trap Records: Jan.-Dec.
52. *Neotoxoptera oliveri* (Essig).
Host: —.
Locality: New Town.
Collection Dates: —.
Trap Records: Aug., Oct.
53. *Ovatus crataegarius* (Walker).
Host: *Mentha spicata* L.
Localities: Grove, Hobart, New Town.
Collection Dates: Oct., Dec.
Trap Records: Oct., Nov.

54. *Pemphigus bursarius* (L.).
Hosts: *Populus nigra* L., var. *italica* Du Roi, *Rumex acetosella* L. (roots), *Rumex* sp. (roots), *Taraxacum officinale* Weber (roots).
Localities: Dilston, Glenora, Grove, Hobart, Margate, New Town, Ranelagh, Sandy Bay.
Collection Dates: March, April, July, Nov., Dec.
Trap Records: Nov.-May.
55. *Periphyllus californiensis* (Shinji).
Host: *Acer* sp.
Localities: New Town, Sandy Bay.
Collection Dates: Oct.
Trap Records: Sept., Oct.
56. *Phyllaphis jagi* (L.).
Host: *Fagus sylvatica* L. var. *purpurea* Ait.
Localities: Hobart, Launceston, New Town.
Collection Dates: April, Nov.
Trap Records: Oct., Nov.
57. *Pineus* sp.
Host: *Pinus radiata* Don.
Localities: Bruny Is., Gravelly Beach.
Collection Dates: Sept.
Trap Records: —.
58. *Rhopalosiphoninus latysiphon* (Davidson).
Host: —.
Locality: Grove.
Collection Dates: —.
Trap Records: Feb.
59. *Rhopalosiphoninus staphyleae* (Koch).
Host: *Oxalis corniculata* L.
Localities: Grove, New Town, Taroona.
Collection Dates: July.
Trap Records: April, Aug., Sept., Nov.-Jan.
60. *Rhopalosiphum maidis* (Fitch).
Hosts: *Sorghum vulgare* Pers., *Zea mays* L.
Localities: Elderslie, Scottsdale.
Collection Dates: March, May.
Trap Records: —.
61. *Rhopalosiphum nymphaeae* (L.).
Host: *Dianella tasmanica* Hook.
Localities: Blackman's Bay, Grove.
Collection Dates: Oct.
Trap Records: April.
62. *Rhopalosiphum padi* (L.).
Hosts: *Avena sativa* L., *Hordeum vulgare* L., *Lolium perenne* L., *Secale cereale* L.
Localities: Cressy, Elliott, Grove, New Town, Penguin, Rokeby, Springfield.
Collection Dates: June, Sept.-Dec.
Trap Records: Jan.-Dec.
63. *Rhopalosiphum rufiabdominalis* (Sasaki).
Host: —.
Localities: Grove, New Town.
Collection Dates: —.
Trap Records: April, Nov.-Jan.
64. *Sensoriaphis tasmaniae* Carver & Martyn.
Host: *Nothofagus cunninghamii* Oer.
Locality: Fern Tree.
Collection Dates: Jan., May, July, Dec.
Trap Records: —.
65. *Smynthuroides betae* Westwood.
Hosts: *Phaseolus vulgaris* L. (roots), *Portulaca* sp. (roots).
Localities: Abbotsham, Kingston.
Collection Dates: April, June.
Trap Records: —.
66. *Toxoptera aurantii* (B.d.F.).
Host: —.
Locality: New Town.
Collection Dates: —.
Trap Records: Dec.
67. Unidentified—new genus and species?
Host: —.
Locality: New Town.
Collection Dates: —.
Trap Records: Feb.

LIST OF HOST PLANTS

- Acer pseudoplatanus* L.
Drepanosiphum platanoides (Schr.).
Acer sp.
Periphyllus californiensis (Shinji).
Adiantum sp.
Aulacorthum (Neomyzus) circumflexum (Buckton).
Idiopterus nephrolepidis Davis.
Allium ascalonicum L.
Myzus cymbalariae Stroyan.
Althaea rosea Cav.
Myzus persicae (Sulz.).
Antirrhinum majus L.
Macrosiphum euphorbiae (Thom.).
Apium graveolens L.
Cavariella aegopodii (Scop.)
Asclepias fruticosa L.
Aphis nerii B.d.F.
Myzus persicae (Sulz.).
Aster sp.
Aphis gossypii Glover.
Aphis spiraeicola Patch.
Brachycaudus helichrysi (Kalt.).
Avena sativa L.
Rhopalosiphum padi (L.).
Bedfordia salicina DC.
Brachycaudus helichrysi (Kalt.).
Betula alba L.
Euceraphis punctipennis (Zett.).
Chaustipis basalis Stroyan.
Bouvardia sp.
Aphis gossypii Glover.
Macrosiphum euphorbiae (Thom.).
Myzus persicae (Sulz.).
Brassica chinensis L.
Brevicoryne brassicae (L.).
Brassica oleracea L.
Brevicoryne brassicae (L.).
Brassica oleracea L. var. *ramosa* Alef.
Brevicoryne brassicae (L.).
Myzus persicae (Sulz.).

- Brassica rapa* L.
Lipophis pseudobrassicae (Davis).
Bromus mollis L.
Aploneura lentisci (Pass.).
Calceolaria sp.
Myzus ornatus Laing.
Calendula sp.
Macrosiphum euphorbiae (Thom.).
Callitris tasmanica (Benth.) B. & S.
Cinara (Supressobium) tujafilina (del Guer.)
 species group.
Elatobium abietinum (Walk.).
Campanula medium L.
Aulacorthum solani (Kalt.).
Macrosiphum euphorbiae (Thom.).
Capsicum sp.
Macrosiphum euphorbiae (Thom.).
Myzus persicae (Sulz.).
Cardaria draba (L.) Desv.
Brevicoryne brassicae (L.).
Macrosiphum euphorbiae (Thom.).
Carduus pycnocephalus L.
Brachycaudus helichrysi (Kalt.).
Capitophorus elaeagni (del Guer.).
Cassia sp.
Aphis gossypii Glover.
Cassinia sp.
Macrosiphum euphorbiae (Thom.).
Centaurea cyanus L.
Brachycaudus helichrysi (Kalt.).
Chaenomeles japonica Lindl.
Aphis spiraeicola Patch.
Chamaecytisus proliferus (L.f.) Link.
Brachycaudus helichrysi (Kalt.).
Chenopodium album L.
Macrosiphum euphorbiae (Thom.).
Chrysanthemum sp.
Brachycaudus helichrysi (Kalt.).
Coloradoa rufomaculata (Wilson.).
Macrosiphoniella sanborni (Gill.).
Cirsium arvense (L.) Scop.
Capitophorus elaeagni (del Guer.).
Cirsium vulgare (Savi) Ten.
Capitophorus elaeagni (del Guer.).
Clianthus punicea B. & B.
Aphis craccivora Koch.
Corylus colurna L.
Myzocallis coryli (Goetze).
Corylus sp.
Myzocallis coryli (Goetze).
Cotoneaster sp.
Aphis spiraeicola Patch.
Cotula coronopifolia L.
Brachycaudus helichrysi (Kalt.).
Macrosiphum euphorbiae (Thom.).
Myzus persicae (Sulz.).
Cryptostemma calendula (L.) Druce.
Capitophorus elaeagni (del Guer.).
Myzus persicae (Sulz.).
Cucumis sativus L.
Aphis gossypii Glover.
Cucurbita pepo L.
Aphis gossypii Glover.
Macrosiphum euphorbiae (Thom.).
Cupressus macrocarpa Gord.
Cinara (Cupressobium) cupressi (Buck.).
Cymbidium sp.
Aulacorthum (Neomyzus) circumflexum (Buck.).
Cyphomandra betacea Sendt.
Aphis gossypii Glover.
Cytisus monspessulanus L.
Acyrtosiphon pisum (Harris) ssp. *spartii*
 (Koch).
Cytisus sp.
Brachycaudus helichrysi (Kalt.).
Dahlia sp.
Brachycaudus helichrysi (Kalt.).
 Daisy (fam. Compositae).
Brachycaudus helichrysi (Kalt.).
Datura stramonium L.
Myzus persicae (Sulz.).
Daucus carota L.
Cavariella aegopodii (Scop.).
Dysaphis foeniculus (Theo.).
Hyadaphis foeniculi (Pass.).
Myzus ornatus Laing.
Dianella tasmanica Hook.
Rhopalosiphum nymphaeae (L.).
Erechthites quadridentata (Labill.) DC.
Brachycaudus helichrysi (Kalt.).
Erodium moschatum (L.) Ait.
Acyrtosiphon pelargonii (Kalt.) s.str.
Macrosiphum euphorbiae (Thom.).
Myzus persicae (Sulz.).
Euphorbia pepus L.
Myzus cymbalariae Stroyan.
Myzus ornatus Laing.
Myzus persicae (Sulz.).
Fagus sylvatica L. var. *purpurea* Ait.
Phyllaphis fagi (L.).
Foeniculum vulgare Mill.
Cavariella aegopodii (Scop.).
Fragaria sp. cult.
Chaetosiphon (Pentatrachopus) fragaefolia
 (Kll.).
Macrosiphum euphorbiae (Thom.).
Fuchsia sp.
Myzus ornatus Laing.
Galium aparine L.
Macrosiphum euphorbiae (Thom.).
Myzus cerasi (F.).
Hebe hulkeana F.v.M.
Myzus persicae (Sulz.).
Helianthus annuus L.
Brachycaudus helichrysi (Kalt.).
Hibiscus sp.
Brachycaudus helichrysi (Kalt.).
Hordeum vulgare L.
Rhopalosiphum padi (L.).
Humulus lupulus L.
Macrosiphum euphorbiae (Thom.).
Myzus persicae (Sulz.).
Hydrangea sp.
Aphis spiraeicola Patch.
Macrosiphum euphorbiae (Thom.).
Myzus ornatus Laing.
Impatiens balsamina L.
Myzus ornatus Laing.
Iris sp.
Macrosiphum euphorbiae (Thom.).
Kentranthus ruber (L.) DC.
Macrosiphum euphorbiae (Thomas).
Lachenalia tricolor Thunb.
Aphis gossypii Glov.
Lachenalia sp.
Macrosiphum euphorbiae (Thom.).

- Lactuca sativa* L.
Macrosiphum euphorbiae (Thom.).
Myzus persicae (Sulz.).
- Lathyrus* sp.
Acyrtosiphon pisum (Harris) ssp. *spartii* (Koch).
Aulacorthum solani (Kalt.).
- Leptosyne* sp.
Macrosiphum euphorbiae (Thom.).
- Leucopogon richei* R.Br.
Macrosiphum euphorbiae (Thom.).
- Lolium perenne* L.
Aploneura lentisci (Pass.).
Rhopalosiphum padi (L.).
- Lonicera* sp.
Hyadaphis foeniculi (Pass.).
- Lotus* sp.
Aphis craccivora Koch.
- Lycium ferocissimum* Miers
Myzus persicae (Sulz.).
- Lycopersicon esculentum* Mill.
Macrosiphum euphorbiae (Thom.).
Myzus persicae (Sulz.).
- Matthiola incana* R.Br.
Myzus persicae (Sulz.).
- Medicago sativa* L.
Myzus ornatus Laing.
- Mentha spicata* L.
Myzus ornatus Laing.
Ovatus crataegarius (Walk.).
- Myosotis scorpioides* L.
Macrosiphum euphorbiae (Thom.).
- Narcissus* sp.
Macrosiphum euphorbiae (Thom.).
- Nothofagus cunninghamii* Oer.
Sensoriaphis tasmaniae Carver & Martyn.
- Oxalis corniculata* L.
Aulacorthum (*Neomyzus*) *circumflexum* (Buck.).
Macrosiphum euphorbiae (Thom.).
Rhopalosiphoninus staphyleae (Koch).
- Pastinaca sativa* L.
Cavariella aegopodii (Scop.).
- Pelargonium* sp.
Myzus ornatus Laing.
- Petroselinum crispum* (Mill.) Nym.
Cavariella aegopodii (Scop.).
Hyadaphis foeniculi (Pass.).
Myzus ornatus Laing.
- Phaseolus multiflorus* Willd.
Aphis craccivora Koch.
- Phaseolus vulgaris* (L.).
Aphis craccivora Koch.
Macrosiphum euphorbiae (Thom.).
Smythurodes betae (Wwd.).
- Photinia* sp.
Aphis gossypii Glover.
- Physostegia* sp.
Aulacorthum solani (Kalt.).
Macrosiphum euphorbiae (Thom.).
- Picea excelsa* Link.
Elatobium abietinum (Walk.).
- Picea* sp.
Cinara sp.
Elatobium abietinum (Walk.).
- Pinus radiata* Don.
Pineus sp.
- Pisum sativum* L.
Macrosiphum euphorbiae (Thom.).
Myzus persicae (Sulz.).
- Populus nigra* L. var. *italica* Du Roi.
Pemphigus bursarius (L.).
- Portulaca* sp.
Smythurodes betae (Wwd.).
- Potentilla* sp.
Macrosiphum euphorbiae (Thom.).
- Primula* sp.
Acyrtosiphon primulae (Theo.).
Macrosiphum euphorbiae (Thom.).
Macrosiphum (*Sitobion*) *avenae* (F.) ssp. *miscanthi* Tak.
- Prunus cerasus* L.
Myzus cerasi (F.).
- Prunus persica* Sieb. & Zucc.
Brachycaudus persicaecola (Boisd.).
Myzus persicae (Sulz.).
- Prunus salicina* Lindl.
Brachycaudus persicaecola (Boisd.).
- Prunus* sp.
Myzus persicae (Sulz.).
- Pyrus communis* L.
Aphis spiraeicola Patch.
Eriosoma lanuginosum (Htg.).
- Pyrus malus* L.
Aphis spiraeicola Patch.
Erisoma lanigerum (Hausm.).
- Quercus* sp.
Myzocallis annulata (Htg.).
Myzocallis castanicola Baker.
- Raphanus raphanistrum* L.
Lipaphis pseudobrassicae (Davis).
- Ribes nigrum* L.
Aploneura lentisci (Pass.).
Hyperomyzus lactucae (L.).
- Ribes* sp.
Hyperomyzus lactucae (L.).
- Rosa rubiginosa* L.
Chaetosiphon (*Pentatrachopus*) *tetrarhodum* (Walk.).
Macrosiphum euphorbiae (Thom.).
Macrosiphum rosae (L.).
- Rosa* sp. cult.
Chaetosiphon (*Pentatrachopus*) *tetrarhodum* (Walk.).
Macrosiphum euphorbiae (Thom.).
Macrosiphum rosae (L.).
- Rubus idaeus* L.
Macrosiphum euphorbiae (Thom.).
- Rumex acetosella* L.
Pemphigus bursarius (L.).
- Rumex crispus* L.
Macrosiphum euphorbiae (Thom.).
Myzus cymbalariae Stroyan.
Myzus ornatus Laing.
- Rumex* sp.
Pemphigus bursarius (L.).
- Salix* sp.
Cavariella aegopodii (Scop.).
- Sanchezia* sp.
Myzus ornatus Laing.
- Secale cereale* L.
Rhopalosiphum padi (L.).
- Sedum* sp.
Aphis gossypii Glover.

- Senecio cruentus* DC.
Brachycaudus helichrysi (Kalt.).
Myzus ornatus Laing.
- Senecio* sp.
Aulacorthum solani (Kalt.).
Brachycaudus helichrysi (Kalt.).
Macrosiphum euphorbiae (Thom.).
- Sinapis arvensis* L.
Pipaphis pseudobrassicae (Davis).
Myzus persicae (Sulz.).
- Solanum marginatum* L.f.
Macrosiphum euphorbiae (Thom.).
- Solanum tuberosum* L.
Aulacorthum solani (Kalt.).
Macrosiphum euphorbiae (Thom.).
Myzus persicae (Sulz.).
- Sonchus asper* (L.) Hill.
Macrosiphum euphorbiae (Thom.).
- Sonchus oleraceus* L.
Hyperomyzus lactucae (L.).
Macrosiphum euphorbiae (Thom.).
- Sorghum vulgare* Pers.
Rhopalosiphum maidis (Fitch).
- Spiraea* sp.
Aphis spiraeicola Patch.
- Stellaria media* (L.) Vill.
Myzus cymbalariae Stroyan.
Myzus ornatus Laing.
- Taraxacum officinale* Weber.
Pemphigus bursarius (L.).
- Trifolium pratense* L.
Brachycaudus helichrysi (Kalt.).
- Trifolium subterraneum* L.
Aphis craccivora Koch.
Myzus cymbalariae Stroyan.
Myzus ornatus Laing.
- Trifolium subterraneum* L.
Aphis craccivora Koch.
- Tropaeolum majus* L.
Macrosiphum euphorbiae (Thom.).
- Tulipa* sp.
Macrosiphum euphorbiae (Thom.).
Myzus persicae (Sulz.).
- Ulmus campestris* L.
Eriosoma lanuginosum (Htg.).
- Veronica* sp.
Brachycaudus helichrysi (Kalt.).
Myzus ornatus Laing.
- Viburnum opulus* L. var. *sterile* DC.
Aphis spiraeicola Patch.
- Vicia faba* L.
Aphis craccivora Koch.
Brachycaudus helichrysi (Kalt.).
Myzus persicae (Sulz.).
- Vicia faba* L. var. *minor* Beck.
Aphis craccivora Koch.
- Vicia sativa* L.
Aphis craccivora Koch.
- Vicia* sp.
Aulacorthum (*Neomyzus*) *circumflexum* (Buck.).
Myzus cymbalariae Stroyan.
- Vigna sinensis* (L.) Endl.
Myzus ornatus Laing.
- Viola tricolor* L. var. *hortensis* DC.
Myzus cymbalariae Stroyan.
Myzus ornatus Laing.
- Zea mays* L.
Rhopalosiphum maidis (Fitch).

**BOTANICAL FAMILIES—GENERA RECORDED
AS HOST PLANTS**

- Acanthaceae.
Sanchezia.
- Aceraceae.
Acer.
- Amaryllidaceae.
Narcissus.
- Asclepiadaceae.
Asclepias.
- Balsaminaceae.
Impatiens.
- Betulaceae.
Betula, *Corylus*.
- Boraginaceae.
Myosotis.
- Campanulaceae.
Campanula.
- Caprifoliaceae.
Lonicera, *Viburnum*.
- Caryophyllaceae.
Stellaria.
- Chenopodiaceae.
Chenopodium.
- Compositae.
Aster, *Bedfordia*, *Calendula*, *Carduus*, *Cassinia*,
Centaurea, *Chrysanthemum*, *Cirsium*, *Cotula*,
Cryptostemma, *Dahlia*, *Daisy*, *Erechthites*,
Helianthus, *Lactuca*, *Leptosyne*, *Senecio*,
Sonchus, *Taraxacum*.
- Crassulaceae.
Sedum.
- Cruciferae.
Brassica, *Cardaria*, *Matthiola*, *Raphanus*, *Sinapis*.
- Cucurbitaceae.
Cucumis, *Cucurbita*.
- Cupressaceae.
Callitris, *Cupressus*.
- Epacridaceae.
Leucopogon.
- Euphorbiaceae.
Euphorbia.
- Fagaceae.
Fagus, *Nothofagus*, *Quercus*.
- Geraniaceae.
Erodium, *Pelargonium*.
- Gramineae.
Avena, *Bromus*, *Hordeum*, *Lolium*, *Secale*,
Sorghum, *Zea*.
- Iridaceae.
Iris.
- Labiatae.
Mentha, *Physostegia*.
- Leguminosae.
Cassia, *Chamaecytisus*, *Clianthus*, *Cytisus*,
Lathyrus, *Lotus*, *Medicago*, *Phaseolus*. *Pisum*,
Trifolium, *Vicia*, *Vinga*.
- Liliaceae.
Allium, *Dianella*, *Lachenalia*, *Tulipa*.
- Malvaceae.
Althaea, *Hibiscus*.
- Moraceae.
Humulus.
- Onagraceae.
Fuchsia.
- Orchidaceae.
Cymbidium.

Oxalidaceae.
Oxalis.

Pinaceae.
Picea, Pinus.

Polygonaceae.
Rumex.

Polypodiaceae.
Adiantum.

Portulacaceae.
Portulaca.

Primulaceae.
Primula.

Rosaceae.
Chaenomeles, Cotoneaster, Fragaria, Photinia, Potentilla, Prunus, Pyrus, Rosa, Rubus, Spiraea.

Rubiaceae.
Bouvardia, Gallium.

Salicaceae.
Populus, Salix.

Saxifragaceae.
Hydrangea, Ribes.

Scrophulariaceae.
Antirrhinum, Calceolaria, Hebe, Veronica.

Solanaceae.
Capsicum, Cyphomandra, Datura, Lycium, Lycopersicon, Solanum.

Tropaeolaceae.
Tropaeolum.

Ulmaceae.
Ulmus.

Umbelliferae.
Apium, Daucus, Foeniculum, Pastinaca, Petroselinum.

Valerianaceae.
Kentranthus.

Violaceae.
Viola.

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ADDENDUM

Since the manuscript was prepared two additional species have been recorded. The details are as follows:—

Anomalaphis sp.

Host: —.

Locality: Grove.

Collection Dates: —.

Trap records: March.

Pleotrichophorus glandulosus (Kalt.) ssp. *chrysanthemii* (Theo.).

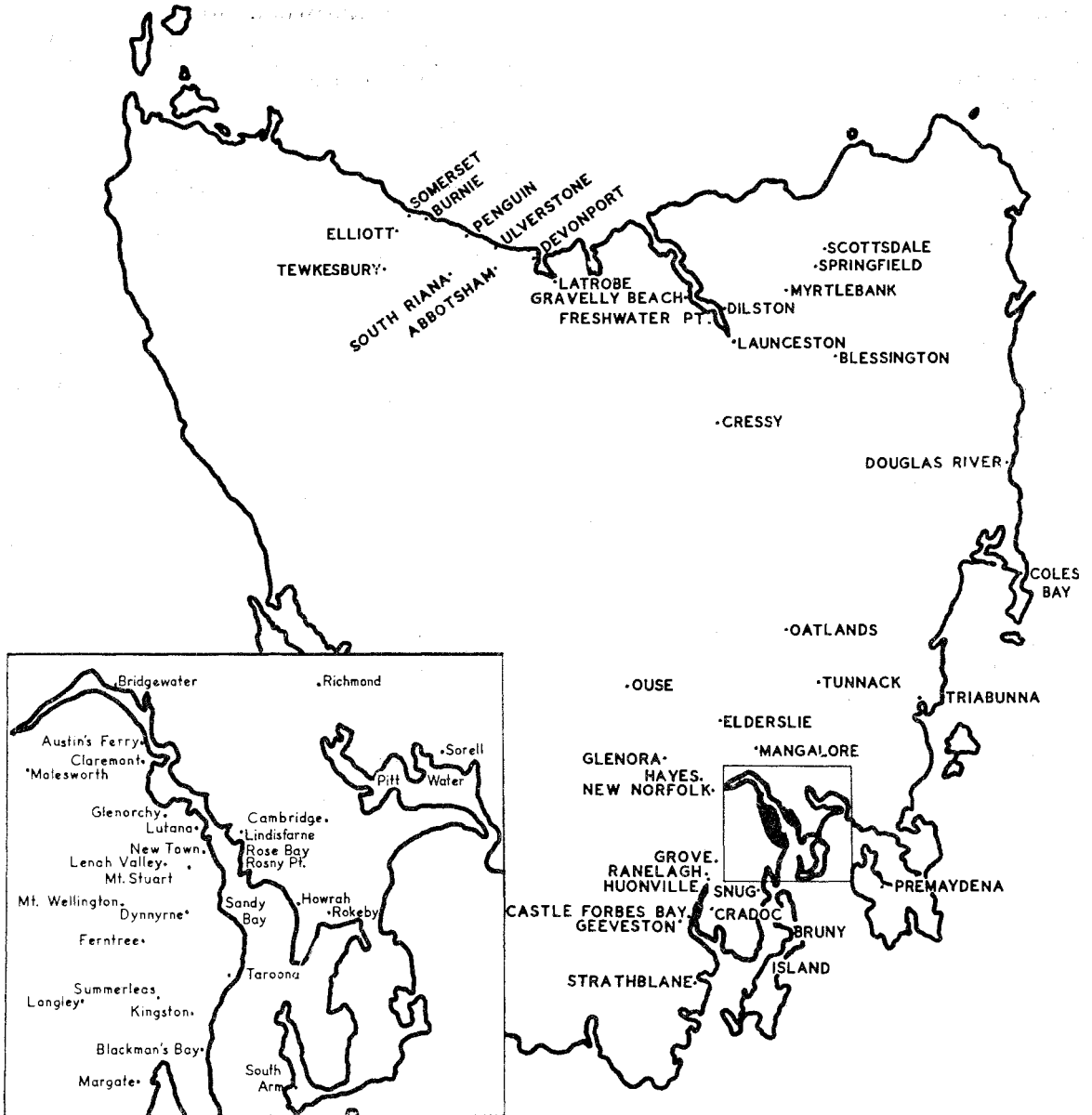
Host: —.

Localities: Grove, New Town.

Collection Dates: —.

Trap Records: March, April.

CHECK LIST OF APHIDS OF TASMANIA AND THEIR RECORDED HOSTS



Map of Tasmania showing localities of aphid collections; Inset—Hobart and surrounding districts.