

List of the Hawaiian Coccoidea (Homoptera: Sternorhyncha)

SUEO NAKAHARA

PLANT PROTECTION AND QUARANTINE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
U.S. DEPARTMENT OF AGRICULTURE
BELTSVILLE, MARYLAND 20705

ABSTRACT

One hundred and sixty-eight species of Coccoidea are reported from the major islands in the State of Hawaii. This list includes information compiled up to January 31, 1980. An abbreviated synonymy, distribution by islands, and the host plants are given for each species. In addition, an index to the species and genera of Coccoidea is included.

INTRODUCTION

The last comprehensive work of the Hawaiian Coccoidea published by Zimmerman (1948) included 110 species in 45 genera and 7 families. In a supplement covering the interval up to August 1955, Zimmerman (1957) presented an additional 8 species, nomenclatural changes, and new host and distribution records. This list includes information compiled up to January 31, 1980, for the major islands in the State of Hawaii and records 168 species in 77 genera and 9 families. Thirty-one species of Pseudococcidae and 3 species of Halimococcidae are endemic (Beardsley 1971b:41, 42) and the other 134 species are considered to be immigrants. One species, *Dactylopius opuntiae* (Cockerell), was introduced for biological control of *Opuntia* species. Three species of Diaspididae and two species of Pseudococcidae are known only from one quarantine interception either at Honolulu or at California ports. They are included in the list because other species previously known only from quarantine interceptions were subsequently collected in Hawaii. Excluded from this list are many undescribed endemic mealybug species (Beardsley 1971b:41) and 3 undescribed migrant species (*Parlatoreopsis* sp. (Beardsley 1971a:12), *Pseudococcus* sp. (CPPR 1977:856), and *Pseudoparlatoria* sp.).

Some of the introduced species undoubtedly are more widely distributed and are more polyphagous than indicated by this paper. Most of the distribution and host records were obtained from the literature and are unverified. The questionable records have been excluded.

Much of the information presented here was obtained from Zimmerman's works. Other major sources were the Proceedings of the Hawaiian Entomological Society, agricultural quarantine interception records, "List of Intercepted Plant Pests", Cooperative Economic Insect Report (CEIR), Cooperative Plant Pest Report (CPPR), U.S. Dept. Agriculture Coccoidea card catalog, U.S. National Museum Coccoidea collection, and the collections made by me on the islands of Hawaii, Maui, Oahu, and Kauai. With few exceptions, references for information obtained from the card catalog, quarantine interceptions, and the "List of Intercepted Plant Pests" are not cited. References from the CEIR and CPPR are cited in the text but not included in the references cited. Other citations not found in the references cited will be found in "A Selected Bibliography of the Coccoidea" by Morrison and Renk (1957), first supplement by Morrison and

Morrison (1965), and second supplement by Russell et al. (1974).

The information presented for each species consists of the current scientific name, abbreviated synonymy, distribution by islands, and host plants. The first name in the synonymy is the original name. If a species was not treated by Zimmerman (1948), a report of the species in Hawaii is cited, or comments are made concerning the basis of the record.

The references for the scientific names of host plants are "In Gardens of Hawaii" by M. C. Neal and "Hortus Second" by Bailey and Bailey. *Citrus reticulata* cv. is used for mandarin and tangerine oranges. Common names are not used unless conversions to scientific names are questionable or impossible. Some common names represent genera containing more than one species in Hawaii, and in these cases, the generic name was used. These are: avocado = *Persea*, banana = *Musa*, coffee = *Coffea*, cotton = *Gossypium*, croton = *Codiaeum*, fig = *Ficus*, gardenia = *Gardenia*, hibiscus = *Hibiscus*, oleander = *Nerium*, orange = *Citrus*, passion fruit = *Passiflora*, and plumeria = *Plumeria*.

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Asterolecaniidae

Asterolecanium bambusae (Boisduval)

Chermes bambusae Boisduval, 1869:261

Asterolecanium bambusae (Boisduval): Zimmerman 1948:278

Distribution: Hawaii, Kauai, Oahu

Hosts: bamboo, *Bambusa*

Asterolecanium miliaris (Boisduval)

Chermes miliaris Boisduval, 1869:261

Asterolecanium miliaris var. *miliaris* (Boisduval): Zimmerman 1948:279

Asterolecanium miliaris (Boisduval): Beardsley 1966:499

Distribution: Hawaii, Kauai, Oahu

Hosts: bamboo

Asterolecanium pseudomiliaris Green

Asterolecanium pseudomiliaris Green, 1922a:1036; CPPR 1977:199

Distribution: Oahu

Hosts: *Bambusa vulgaris*, bamboo

Asterolecanium pustulans (Cockerell)

Asterodiaspis pustulans Cockerell, 1892:143

Asterolecanium pustulans (Cockerell): Zimmerman 1948:279; CEIR 1970:84, 1971:636

Distribution: Kauai, Maui, Oahu

Hosts: Acacia, Bougainvillea, Codiaeum, Erythrina, Ficus, F. pseudopalma, Gossypium tomentosum, Grevillea robusta, Hibiscus, Jacaranda, Jasminum, J. sambac, Lantana, Mangifera indica, Morinda citrifolia, Nerium, Passiflora edulis, P. foetida, P. vitifolia, Persea, Philodendron, Prosopis, Sapium, Tecomaria capensis

Asterolecanium robustum Green

Asterolecanium miliaris var. *robustum* Green, 1908a:19

Asterolecanium robustum Green: Beardsley 1965:38

Distribution: Hawaii, Kauai, Oahu

Hosts: bamboo

Asterolecanium scirrosus Russell

Asterolecanium scirrosus Russell, 1941:184; Zimmerman 1948:280

Distribution: Oahu

Hosts: bamboo

Coccidae

Ceroplastes cirripediformis Comstock

Ceroplastes cirripediformis Comstock, 1881a:333; Sherman 1954:271; Maehler 1959:15; Chilson 1959a:24; Krauss 1963:219; Beardsley 1965:18; Shiroma 1965c:25, 1965e:33; Chong 1965a:31; CEIR 1966:967, 1159; Chong 1968:13; Shiroma 1969a:281; Olsen 1969:284; CEIR 1969:332; Mau 1975:6

Ceroplastes cistudiformis Townsend and Cockerell: Hardy 1955:379; Beardsley 1955:386; Zimmerman 1957:199 (misidentification)

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Ageratum conyzoides*, *Alternanthera amoena*, *Amaranthus*, *Argyrea nervosa*, *Asystasia gangetica*, *Citharexylum*, *C. spinosum*, *Duranta repens*, *Eugenia*, *Gardenia jasminoides*, *G. taitensis*, *Graptophyllum pictum*, *Malpighia coccigera*, *Passiflora*, *P. edulis flavicarpa*, *Philodendron*, *Pimenta officinalis*, *Pluchea indica*, *P. odorata*, *Plumeria*, *Pseuderanthemum atropurpureum*, *Psidium guajava*, *Punica granatum* var. *nana*, *Schinus terebinthifolius*, *Tabebuia donnell-smithii*, *Wedelia trilobata*

Ceroplastes rubens Maskell

Ceroplastes rubens Maskell, 1893b:214; Zimmerman 1948:343; Swezey 1954:29, 79, 98; CEIR 1966:231, 1052; Shiroma 1968:12; CEIR 1969:128

Distribution: Hawaii, Kauai, Lanai, Maui, Molokai, Oahu

Hosts: *Aglaonema modestum*, *Allamanda cathartica* var. *schottii*, *Alpinia purpurata*, *Alyxia olivaeformis*, *Antidesma*, *Anthurium*, *A. andraeanum*, *Artocarpus altilis*, *Asplenium*, *A. nidus*, *Barringtonia racemosa*, *Bixa orellana*, *Bougainvillea*, *Brassaia actinophylla*, *Cibotium*, *Citrus*, *C. reticulata* c.v. (tangerine), *Dieffenbachia*, *Dioclea violacea*, *Elaeocarpus bifidus*, *Elaphoglossum reticulatum*, *Eucalyptus*, *Eugenia*, *E. malaccensis*, fern, *Ficus*, *Gardenia*, *G. jasminoides*, *G. taitensis*, *Gouldia*, *Ilex aquifolium*, *I. cornuta*, *Mangifera indica*, *Metrosideros*, *M. collina polymorpha*, *Molineria recurvata*, *Myrsine*, palm, *Pelea*, *Peperomia*, *Persea americana*,

Pinus, Pittosporum, Plumeria, Schinus, Stanhopea, Straussia, Syngonium, Zantedeschia (?), Zingiber officinale

Coccus acutissimus (Green)

Lecanium acutissimum Green, 1896:10

Coccus acutissimus (Green): Zimmerman 1948:295; Swezey 1954:202; CEIR 1966:740

Distribution: Hawaii, Maui, Oahu

Hosts: *Canthium odorata*, *Cocos nucifera*, *Cycas*, *C. circinalis*, *Ilex aquifolium*, *Litchi chinensis*, *Metrosideros*, palm, *Plumeria*, *Smilax*

Coccus capparidis (Green)

Lecanium capparidis Green, 1904d:187

Coccus capparidis (Green): Beardsley 1972b:142; CPPR 1976:765

Distribution: Kauai, Oahu

Hosts: *Alyxia olivaeformis*, *Citrus*, *Clermontia?*, *Murraya paniculata*

Coccus hesperidum Linnaeus

Coccus hesperidum Linnaeus, 1758:455; Zimmerman 1948:301; CEIR 1971:700

Distribution: Maui, Oahu

Hosts: *Alpinia mutica*, *Begonia*, *Brassaia*, *Canavalia macrocarpa*, *Canna*, *Carica papaya*, *Cassia nodosa*, *Casuarina*, *Citrus*, *Citrus* (orange), *Codiaeum*, *Coprosma montana*, *Cordyline terminalis*, *Dracaena*, *Gardenia*, *Gladiolus*, *Hibiscus*, *H. sabdariffa*, *H. tiliaceus*, *Ipomoea*, *Ixora*, *Ligustrum*, *Mangifera indica*, *Metrosideros*, *Moraea bicolor*, *M. iridioides*, *Musa* (banana), orchid, *Pelea*, *Platypodium*, rubber, *Santalum haleakalae*, *Scindapsus aureus*, *Selaginella*, *Sophora chrysophylla*, *Zantedeschia*(?)

Coccus longulus (Douglas)

Lecanium longulum Douglas, 1887b:97

Coccus elongatus (Signoret): Zimmerman 1948:294; CPPR 1976:94 (misidentification)

Coccus longulus (Douglas): Ben-Dov, 1977:89

Distribution: Hawaii, Maui, Oahu

Hosts: *Acacia*, *Acalypha*, *Agave sisalana*, *Aleurites moluccana*, *Annona muricata*, *Anthurium*, *Archontophoenix cunninghami*, *Areca catechu*, *Bambusa*, *Begonia*, *Bougainvillea*, *Bruguiera sexangula*, *Cajanus flavus*, *Caladium*, *Camellia*, *Canna*, *Carica papaya*, *Cassia grandis*, *Casuarina*, *Cestrum*, *Citrus*, *Citrus* (orange), *Cobaea scandens*, *Cocos nucifera*, *Codiaeum*, *Coleus*, *Cordyline terminalis*, *Cosmos*, *Delonix regia*, *Dracaena*, *Euphorbia*, *E. pulcherrima*, fern, *Gardenia*, ginger, *Hibiscus*, *Ixora*, *Jatropha hastata*, *Ligustrum*, *Mangifera indica*, *Metrosideros?*, *Mucuna* (velvet bean), *Musa* (banana), palm, *Pelargonium*, *Phaseolus limensis*, *Plumbago capensis*, *Plumeria*, *Psidium guajava*, *Ptychosperma sanderianum*. *Rosa*, *Rubus*, *Spathiphyllum*, *Strelitzia*, *Zebrina pendula*

Coccus pseudoesperidum (Cockerell)

Lecanium pseudoesperidum Cockerell, 1895h:380

Coccus pseudoesperidum (Cockerell): Zimmerman 1948:310

Distribution: Oahu

Hosts: *Laelia anceps*, orchid, *Vanilla*

Coccus viridis (Green)

Lecanium viride Green, 1889:248

Coccus viridis (Green): Zimmerman 1948:311, 1957:198; Drake 1969:263; CEIR 1968:366, 1969: 818, 1971:102

Distribution: Hawaii, Kauai, Lanai, Maui, Molokai, Oahu

Hosts: *Alpinia*, *A. purpurata*, *Alstonia macrophylla*, *Alyxia olivaeformis*, *Apium graveolans*, *Arctotis*, *Ardisia crispa*, *Areca catechu*, *Bobea mauaii*, *Bryophyllum*, *B. pinnatum*, *Caladium*, *Canthium odoratum*, *Carissa grandiflora*, *Citrus*, *Citrus* (orange), *C. aurantifolia*, *C. limon*, *C. reticulata* c.v. (tangerine), *Coccoloba uvifera*, *Codiaeum*, *Coffea*, *C. arabica*, *Cordyline terminalis*, *Cryptostegia grandiflora*, *Dodonaea eriocarpa*, *Dracaena*, *Eugenia uniflora*, *Fitchia*, *Gardenia*, *G. jasminoides*, *G. taitensis*, *Gerbera*, ginger, *Gomphrena globosa*, *Ixora macrothyrsa*, *Litchi chinensis*, *Morinda citrifolia*, *Pitosporum*, *P. tobira*, *Pluchea indica*, *Plumeria*, *P. obtusa*, *P. rubra*, *Polyscias*, *P. guilfoylei*, *Poncirus trifoliata*, *Psidium guajava*, *Sanchezia nobilis*, *Schinus*, *S. terebinthifolius*, *Tecomaria capensis*, *Theobroma cacao*, *Tipuana*, *Triphasia trifolia*, *Zingiber officinale*

Eucalymnatus tessellatus (Signoret)

Lecanium tessellatum Signoret, 1873:401

Eucalymnatus tessellatus (Signoret): Zimmerman 1948:318; Swezey 1954:79

Distribution: Hawaii, Kauai, Maui, Oahu

Hosts: *Alyxia olivaeformis*, *Anthurium andraeanum*, *Archontophoenix cunninghamii*, *Boehmeria* (*stipularis*?), *Brassaia actinophylla*, cinnamon, *Cocos nucifera*, *Elaeocarpus*, *Eugenia cuminii*, fern, *Gardenia*, *G. jasminoides*, ginger, *Litchi chinensis*, *Mangifera indica*, *Metrosideros*, palm, *Phoenix*, *Psidium guajava*, *Scaevola*, *Zingiber officinale*

Kilifia acuminata (Signoret)

Lecanium acuminatum Signoret, 1873:397

Coccus acuminatus (Signoret): Zimmerman 1948:294

Kilifia acuminata (Signoret): De Lotto 1965a:208

Distribution: Hawaii, Maui, Oahu

Hosts: *Aglaiia*, *A. odorata*, *Alpinia purpurata*, *Alyxia olivaeformis*, *Anthurium*, *Asplenium*, *Averrhoa carambola*, *Bougainvillea*, *Broussaisia*, *Bryophyllum pinnatum*, *Calophyllum inophyllum*, *Canthium odoratum*, *Citrus*, *C. aurantifolia*, *C. limon*, *Coffea*, *Cordyline terminalis*, *Eugenia*, *E. jambolana*, *E. jambos*, *E. malaccensis*, *Fagraea berteriana*, *Gardenia*, *G. jasminoides*, *Ixora*, *Jasminum*, *Litchi chinensis*, *Mangifera indica*, *Metrosideros*, *Monstera*, *M. deliciosa*, *Osmanthus fragrans*, *Passiflora*, *Pelea*, *Persea americana*, *Plumeria*, *P. acuminata*, *Psidium guajava*, *Schinus terebinthifolius*, *Zantedeschia*

Parasaissetia nigra (Nietner)

Lecanium nigrum Nietner, 1861:9

Saissetia nigra (Nietner): Fullaway 1947:52; Zimmerman 1948:324; CEIR 1972:644

Parasaissetia nigra (Nietner): Takahashi 1955c:26

Distribution: Hawaii, Maui, Molokai, Niihau, Oahu

Hosts: *Abutilon molle*, *Agave*, *Aloe*, *Alpinia purpurata*, *Ananas comosus*, *Anthurium*, *Areca catechu*, *Artocarpus*, bamboo, *Begonia*, *Bougainvillea*, *Brassaia actinophylla*, *Bryophyllum*, *B. daigrimontianum*, *B. pinnatum*, cactus, *Canna*, *Canthium odoratum*, *Carica papaya*, *Cassia grandis*, *Cestrum*, *Chrysanthemum*, *Clusia rosea*, *Cocos nucifera*, *Codiaeum*, *C. variegatum*, *Coleus*, *Cordyline terminalis*, *Cyperus rotundus*, *Dracaena*, *Emex spinosa*, *Euphorbia pulcherrima*, *Ficus*, ginger, *Gossypium*, *G. tomentosum*, *Heliconia*, *Hibiscus*, *H. esculentus*, *Ipomoea tuberosa*, *Ixora*, *Kokia drynarioides*, *Manihot esculenta*, *Metrosideros*, *Monstera*, *Moraea bicolor*, *Morus*, *Musa* (banana), palm, *Pelea*, pepper, *Philodendron*, *Piper betle*, *Psidium guajava*, *Rubus hawaiiensis*, *Santalum paniculatum*, *Scaevola*, *Schinus*, *Smilax*, *Solanum melongena*, *Strelitzia*, *S. reginae*, *Vanda* "Miss Agnes Joaquim", *Zingiber*

Protopulvinaria mangiferae (Green)

Lecanium mangiferae Green, 1889:249

Coccus mangiferae (Green): Zimmerman 1948:306

Protopulvinaria mangiferae (Green): Ben-Dov et al. 1976:1

Distribution: Oahu

Hosts: *Caladium*, *Codiaeum variegatum*, *Hibiscus*, *Mangifera indica*, *Strelitzia*

Pulvinaria mammeae Maskell

Pulvinaria mammeae Maskell, 1895b:59; Zimmerman 1948:333

Distribution: Oahu

Hosts: Citrus (orange), *Coffea*, fern, *Ficus*, *F. palawanensis*, *F. variegata*, *Hibiscus*, *Litchi chinensis*, *Mammea americana*, *Mangifera indica*, *Persea americana*, plum, *Punica granatum*

Pulvinaria psidii Maskell

Pulvinaria psidii Maskell, 1892:223; Zimmerman 1948:336, 1957:198; CPPR 1976:799

Distribution: Hawaii, Kauai, Lanai, Molokai, Oahu

Hosts: *Alpinia*, *A. purpurata*, *Anthurium*, *Asplenium*, *Bidens pilosa*, *Bouvardia*, *Brassaia actinophylla*, *Bryophyllum*, *Carissa*, *Cibotium*, Citrus, Citrus (orange), *C. aurantifolia*, *Clusia rosea*, *Coffea*, *C. arabica*, *Cordyline terminalis*, *Eugenia jambolana*, *E. jambos*, fern, *Garcinia mangostana*, *Gardenia*, *G. jasminoides*, *Hedychium*, *Ixora*, *Jasminum*, *Kalanchoe*, *Litchi chinensis*, *Mangifera indica*, *Metrosideros*, *Morinda citrifolia*, *Persea*, *Phaeomeria*, *Phlox*, *Pitosporum tobira*, *Plumeria*, *Poncirus trifoliata*, *Psidium guajava*, *Punica granatum*, *Pteralyxia macrocarpa*, *Scaevola gaudichaudiana*, *Schinus*, *S. molle*, *S. terebinthifolius*, *Straussia*, *Thespesia populnea*, *Zingiber*, *Z. officinale*

Pulvinaria urbicola Cockerell

Pulvinaria urbicola Cockerell, 1893m:160; Zimmerman 1948:342; Beardsley 1972c:148, 1977a:405; Mau 1977:401

Distribution: Lanai, Molokai, Oahu

Hosts: *Alpinia purpurata*, *Capsicum*, *C. frutescens*, *Citharexylum*

spinusum, Eupatorium, Ipomoea batatas, I. horsfalliae, Momordica balsamina, Ruellia, Sonchus oleraceus

Saissetia coffeae (Walker)

Lecanium coffeae Walker, 1852:1079

Saissetia hemisphaerica (Targioni-Tozzetti): Zimmerman 1948:320; Swezey 1954:117; CEIR 1967:842, 1969:745

Saissetia coffeae (Walker): CPPR 1976:538, 799

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: Agave americana, Aleurites moluccana, Aloe, A. barbadensis, Alpinia purpurata, Alternanthera, Anthurium, A. andraeanum, Ardisia crispa, Asparagus, Asystasia gangetica, Bruguiera sexangula, Bryophyllum, Capsicum annum, C. frutescens, Carissa grandiflora, Clermontia parviflora, Cocos nucifera, Codiaeum, Coffea, Coleus, Cycas, C. neocaledonica, C. revoluta, Cymbidium, Cyrtomium, Epidendrum, Ervatamia divaricata, Euphorbia pulcherrima, fern, Gardenia, Graptophyllum, Hedyotis, Hibiscus tiliaceus, Ipomoea tuberosa, Justicia betonica, Litchi chinensis, Mangifera indica, Momordica balsamina, M. charantia, Musa, orchid, palm, Pipturus albidus, plantain, Plumeria, Psidium guajava, Ruellia, Schinus terebinthifolius, Solanum jasminoides, S. santiwongsei, Tabernaemontana pentasticta, Vitis

Saissetia miranda (Cockerell and Parrott)

Lecanium oleae mirandum Cockerell and Parrott, *in* Cockerell 1899n:12

Saissetia miranda (Cockerell and Parrott): Beardsley 1975:3, 1975a:7

Distribution: Maui, Molokai, Oahu

Hosts: Agave sisalana, Amaranthus spinosus, Crotalaria, Dianthus caryophyllus, Diospyros ferrea, Erythrina, E. sandwicensis, Nerium, Schinus terebinthifolius

Saissetia neglecta De Lotto

Saissetia neglecta De Lotto, 1969a:419; Beardsley 1975:3

Distribution: Hawaii, Oahu

Hosts: Orchid, Psidium guajava, Spathodea campanulata, Stephanotis floribunda, Telosma cordata, tree fern

Saissetia oleae (Olivier)

Coccus oleae Olivier, 1791:95

Saissetia oleae (Bernard): Zimmerman 1948:328, 1957:198

Saissetia oleae (Olivier): Beardsley 1975:3, 1977:404

Distribution: Hawaii, Maui

Hosts: Acacia koa, Clermontia, Dodonaea, Raillardia menziesii, Vaccinium

Dactylopiidae

Dactylopius opuntiae (Cockerell)

Coccus cacti opuntiae Cockerell, 1896f:35

Dactylopius opuntiae (Cockerell): Weber 1951:327; De Lotto 1974:184

Dactylopius confusus (Cockerell): Ferris 1955:88 (?misidentification)

Dactylopius tomentosus (Lamarck): Zimmerman 1957:198 (misidentification)

Distribution: Hawaii

Hosts: Opuntia, O. megacantha

Diaspididae

Abgrallaspis cyanophylli (Signoret)

Aspidiotus cyanophylli Signoret, 1869a:119

Hemiberlesia cyanophylli (Signoret): Zimmerman 1948:359, 1957:199

Abgrallaspis cyanophylli (Signoret): Balachowsky, 1948b:322

Distribution: Hawaii, Kauai, Maui, Oahu

Hosts: *Alpinia purpurata*, *Citrus aurantifolia*, *Cocos nucifera*, *Eriobotrya japonica*, *Eugenia jambolana*, *Ficus*, *Hibiscus*, *Ipomoea tuberosa*, *Jasminum*, *Lobelia*, *Macadamia*, *Mangifera indica*, *Morinda citrifolia*, *Musa* (banana), *Nerium*, *Persea americana*, *Plumeria*, *Prosopis pallida*, *Saccharum officinarum*, *Strelitzia*, *Wisteria*

Andaspis hawaiiensis (Maskell)

Mytilaspis flava var. *hawaiiensis* Maskell, 1895b:47

Andaspis hawaiiensis (Maskell): Zimmerman 1948:407; Beardsley and Tuthill 1959:58

Distribution: Kauai, Niihau

Hosts: *Citrus* (orange), *Ficus benghalensis*, *Hydrangea*, *Leucaena glauca*, shade tree

Andaspis mackieana (McKenzie)

Lepidosaphes mackieana McKenzie, 1943:153; Zimmerman 1948:422

Andaspis mackieana (McKenzie): Williams 1963b:18

Distribution: Oahu

Hosts: *Dendrobium*, orchid

Andaspis punicae (Laing)

Lepidosaphes punicae Laing, 1929a:500

Andaspis punicae (Laing): Beardsley 1967:322

Distribution: Oahu

Host: *Litchi chinensis*

Aonidiella inornata McKenzie

Aonidiella inornata McKenzie, 1938:10; Zimmerman 1948:361; Hardy 1950:8

Distribution: Oahu

Hosts: *Alpinia purpurata*, *Areca catechu*, *Carica papaya*, *Citrus* (orange), *C. aurantifolia*, *C. Grandis*, *Cocos nucifera*, *Cycas*, *C. revoluta*, *Jasminum*, *J. sambac*, *Ligustrum*, *Nerium*, palm, *Piper*, *P. betle*, *Rosa*, *Vitis*

Aspidiotus destructor signoret

Aspidiotus destructor Signoret, 1869a:120; CEIR 1968:966, 1969:768;

Tenorio 1969:279; Shiroma 1969:283; Anonymous 1970:480;

Beardsley 1970:505; CEIR 1970:5, 1971:103, 714, 1972:625; Shiroma

1972:145, 1972a:157; CPPR 1977:814

Distribution: Hawaii, Oahu

Hosts: *Carica papaya*, *Cocos nucifera*, *Eugenia malaccensis*, *Howea*, *Ligustrum*, *L. sinense*, *Mangifera indica*, *Murraya paniculata*, *Musa nana*, *M. paradisiaca sapientum*, *Pandanus odoratissimus*, *Plumeria*, *Psidium guajava*, *Rhapis excelsa*, *Syngonium auritum*

Aspidiotus nerii Bouché

Aspidiotus nerii Bouché, 1833:52; Morrison and Morrison 1966:17

Aspidiotus hederæ (Vallot): Zimmerman 1948:355; Swezey 1954:124

Distribution: Hawaii, Maui, Oahu

Hosts: *Acuba*, *Agave americana*, *Alpinia purpurata*, *Alyxia olivaeformis*, apple, *Bobea mauaii*, *Clermontia*, *Diospyros ferrea*, *Dodonaea*, *Fagara dipetala*, *Gouldia*, *Macadamia*, *Myoporum*, *Nerium*, palm, pear, *Platydesma*, *Pritchardia*, *Prunus persica*, *Santalum haleakalae*, *Sophora chrysophylla*, *Stigmaphyllon ciliatum*, *Vaccinium*, *Wikstroemia*

Aspidiotus selangorensis Hall and Williams

Aspidiotus selangorensis Hall and Williams, 1962:35; Beardsley 1965:14

Distribution: Oahu

Hosts: *Adiantum fergusonii*, *Cyclosorus dentatus*

Aspidiotus spinosus Comstock

Aspidiotus spinosus Comstock, 1883:70; Zimmerman 1948:355

Distribution: Oahu

Hosts: *Cocos nucifera*, *Persea*, *P. americana*

Aulacaspis crawii (Cockerell)

Diaspis crawii Cockerell, 1898b:190

Aulacaspis fulleri (Cockerell): Zimmerman 1948:381

Aulacaspis crawii (Cockerell): Scott 1952:36

Distribution: Oahu

Hosts: *Aglaiia odorata*, *Murraya paniculata*

Aulacaspis rosarum Borchsenius

Aulacaspis rosarum Borchsenius, 1958:165; Beardsley 1975c:14

Aulacaspis rosae (Bouché): Zimmerman 1948:381 (misidentification)

Distribution: Hawaii, Maui, Kauai, Oahu

Hosts: *Rosa*, *Rubus*

According to Zimmerman (1948), *A. rosae* occurs in Hawaii, Maui, Kauai, Molokai, and Oahu. However, all specimens identified as *A. rosae* in the USNM and those examined by J.W. Beardsley (1975c:14) were *A. rosarum*. There is a possibility that all Hawaiian records of *A. rosae* are misidentifications.

Carulaspis giffardi (Adachi and Fullaway)

Pseudoparlatoria giffardi Adachi and Fullaway, 1953:89; Nakahara 1969:280

Carulaspis giffardi (Adachi and Fullaway): Shiroma 1970:485; CEIR 1971:46

Distribution: Hawaii, Kauai, Lanai, Maui, Molokai, Oahu

Hosts: *Araucaria columnaris* (?), *A. cunninghami*, *A. excelsa*, *A. heterophylla*

Carulaspis minima (Targioni-Tozzetti)

Diaspis minima Targioni-Tozzetti, 1868:736

Carulaspis minima (Targioni-Tozzetti): Beardsley 1962:12

Distribution: Hawaii, Oahu

Hosts: *Juniperus*, *Thuja orientalis*

Chortinaspis subchortina (Laing)

Aspidiotus subchortinus Laing, 1929:486

Chortinaspis subchortina (Laing): CPPR 1978:147

Distribution: Oahu

Hosts: *Brachiaria mutica*, *Stenotaphrum secundatum*

Chrysomphalus aonidum (Linnaeus)

Coccus aonidum Linnaeus, 1758:455

Chrysomphalus ficus Ashmead: Zimmerman 1948:369, 1957:199; Swezey 1954:24; Beardsley and Tuthill 1959:58; Nakahara 1969:280; Mau 1975:6; CPPR 1976:103

Chrysomphalus aonidum (Linnaeus): Morrison and Morrison 1966:37

Distribution: Hawaii, Kauai, Lanai, Maui, Molokai, Niihau, Oahu

Hosts: *Aleurites moluccana*, *Aloe*, *A. barbadensis*, *Alpinia*, *Anthurium*, *A. andraeanum*, *Areca catechu*, *Artocarpus altilis*, *Barringtonia asiatica*, *Bougainvillea*, *Brassaia actinophylla*, *Broussaisia*, *Bruguiera sexangula*, *Caladium*, *Carissa grandiflora*, *Cassia*, *C. grandis?*, *Cerasus*, *Citrus*, *Citrus* (orange), *C. aurantifolia*, *C. grandis*, *C. paradisi*, *C. sinensis*, *Cocos nucifera*, *Codiaeum variegatum*, *Colocasia*, *Cordyline*, *Cycas*, *C. circinalis*, *Cyperus papyrus*, *Dendrobium*, *Dracaena*, *Eucalyptus*, *Eugenia*, *E. jambolana*, *Ficus*, *F. retusa*, *Hibiscus*, *Ilex aquifolium*, *Jasminum officinale*, *J. sambac*, *kentia palm*, *Latania*, *L. loddigesii*, *Ligustrum*, *Mangifera indica*, *Monstera*, *Musa* (banana), *Nerium*, *Ophiopogon planiscapes*, palm, *Pandanus*, *Persea americana*, *Phalaenopsis*, *Philodendron*, *Pinus*, plum, *Plumeria*, *Podocarpus*, *Polyalthia longifolia*, *Rosa*, *Salix*, *Scindapsus aureus*, *Sterculia*, *Strelitzia*, *S. reginae*, *Terminalia catappa*, *Zingiber officinale*

Chrysomphalus bifasciculatus Ferris

Chrysomphalus bifasciculatus Ferris, 1938a:134; Zimmerman 1948:189

Distribution: Hawaii, Oahu

Hosts: *Citrus*, *Pinus*

Chrysomphalus dictyospermi (Morgan)

Aspidiotus dictyospermi Morgan, 1889a:352

Chrysomphalus dictyospermi (Morgan): Zimmerman 1948:369; Pelot 1950:17; Chilson 1959:18; Nakahara 1969:280

Distribution: Hawaii, Maui, Oahu

Hosts: *Aleurites moluccana*, almond, *Alpinia*, *Alyxia olivaeformis*, *Anthurium*, apple, *Artocarpus heterophyllus*, *Attalea cohune*, *Calophyllum*, *Chrysalidocarpus lutescens*, *Citrus aurantifolia*, *Cocos nucifera*, *Cycas*, *Dendrobium*, *Eugenia jambos*, fern, *Gardenia jasminoides*, *Ligustrum*, *Litchi chinensis*, *Macadamia*, *Mangifera indica*, *Melaleuca leucadendra*, *Metrosideros*, *Mondo japonicum*, palm, *Pandanus*, *Passiflora foetida*, *Persea americana*, *Roystonea regia*, *Scindapsus aureus*, *Thea*, *Verschaffeltia splendida*

Chrysomphalus propsimus Banks

Chrysomphalus propsimus Banks, 1906:230; Zimmerman 1948:373

Distribution: Oahu

Host: *Pandanus*

Clavaspis herculeana (Doane and Hadden)

Aspidiotus herculeanus Doane and Hadden, 1909:298

Clavaspis herculeana (Doane and Hadden): Shiroma 1964:351; Rutschky 1965:5; Anonymous 1965:16; CEIR 1968:1141

Distribution: Hawaii, Oahu

Hosts: *Erythrina*, *Jasminum*, *Macadamia*, *Plumeria*, *Samanea saman*

Diaspis boisduvalii Signoret

Diaspis boisduvalii Signoret, 1869a:432; Zimmerman 1948:412; Pelot 1950:17; Swezey 1951:225; Shiroma 1967a:336

Distribution: Hawaii, Kauai, Maui, Oahu

Hosts: *Cattleya*, *Chrysalidocarpus lutescens*, *Cocos nucifera*, *Cocos plumosa*, *Dendrobium*, orchid, *Persea*

Diaspis bromeliae (Kerner)

Coccus bromeliae Kerner, 1778:20

Diaspis bromeliae (Kerner): Zimmerman 1984:415; Beardsley and Tuthill 1959:58

Distribution: Hawaii, Kauai, Lanai, Maui, Molokai, Niihau, Oahu

Host: *Ananas comosus*

Diaspis echinocacti (Bouché)

Aspidiotus echinocacti Bouché, 1833:53

Diaspis echinocacti (Bouché): Zimmerman 1984:415; Beardsley and Tuthill 1959:58

Distribution: Kauai, Maui, Niihau, Oahu

Hosts: *Cactus*, *Hylocereus*, *Opuntia*, *O. megacantha*, *Zygocactus truncatus*

Duplaspidotus claviger (Cockerell)

Pseudaonidia clavigera Cockerell, 1901:226

Duplaspidotus claviger (Cockerell): Zimmerman 1948:352; Swezey 1954:108; Beardsley and Tuthill 1959:58; CEIR 1970:525

Distribution: Hawaii, Kauai, Maui, Niihau, Oahu

Hosts: *Abutilon*, *Acalypha*, *A. wilkesiana*, *Aleurites moluccana*, *Allamanda blanchetii*, *Bougainvillea*, *Castanea javanica*, *Citrus*, *Cobaëa scandens*, *Codiaeum*, *Eriobotrya japonica*, *Eugenia dombeyi*, *E. malaccensis*, *Ficus*, *F. retusa*, *Gardenia*, *G. jasminoides*, *Hibiscus*, *Jasminum*, *J. sambac*, *Lagerstroemia*, *Lantana camara*, *Macadamia ternifolia*, *Malus*, *Mangifera indica*, *Melaleuca styphelioides*, *Metrosideros*, *Parmentiera cerifera*, pear, *Plumeria*, *Pseuderanthemum atropurpureum*, *Santalum freycinetianum*, *Styphelia tameiameia*, *Tamarindus indicus*, *Vitis*

Duplaspidotus tesseratus (Grandpré & Charmoy)

Aspidiotus (*Diaspidiotus*) *tesseratus* Grandpré et Charmoy, 1899:23

Duplaspidotus tesseratus (de Charmoy): Zimmerman 1948:352; Swezey 1954:108

Duplaspidotus tesseratus (Grandpré & Charmoy): Mamet 1953a:152

Distribution: Maui, Oahu

Hosts: *Bougainvillea*, *Calliandra*, *Cobaëa scandens*, *Codiaeum*, *Gardenia*, *Hibiscus*, *Kokia rockii*, *Passiflora*, *Rosa*

Fiorinia fioriniae (Targioni-Tozzetti)

Diaspis fioriniae Targioni-Tozzetti, 1867:14

Fiorinia fioriniae (Targioni-Tozzetti): Zimmerman 1948:377; Look 1954:279; Swezey 1954:124; Nakahara 1969:280; CEIR 1970:330; Kawamura 1974:303

Distribution: Hawaii, Kauai, Lanai, Maui, Molokai, Oahu

Hosts: *Agave americana*, *Aleurites moluccana*, *Archontophoenix cunninghamii*, *Camellia*, *Capsicum frutescens*, *Cocos nucifera*, *Cordyline*

indivisa, Cyathodes, Cycas revoluta, Diospyros, D. ferrea, Eugenia malaccensis, Latania loddigesii, Macadamia, Mangifera indica, Morus, Murraya paniculata, Osmanthus fragrans, palm, Persea, P. americana, Phoenix, P. dactylifera, Pinus, P. radiata, Ruta graveolans, Seaforthia elegans, Strelitzia reginae, Thea

Furcaspis biformis (Cockerell)

Aspidiotus biformis Cockerell, 1893j:255

Furcaspis biformis (Cockerell): Zimmerman 1948:366; CPPR 1977:474

Distribution: Hawaii, Maui, Molokai, Oahu

Hosts: Agave sisalana, Cattleya, C. trianae, Cymbidium, Dendrobium, Epidendrum atropurpureum, orchid, Strelitzia reginae, Vanda

Furchadaspis zamiae (Morgan)

Diaspis zamiae Morgan, 1890:44

Furchadaspis zamiae (Morgan): CPPR 1977:199

Distribution: Oahu

Host: Cycas revoluta

Genaparlatoria pseudaspidiotus (Lindinger)

Parlatoria pseudaspidiotus Lindinger, 1905a:131

Genaparlatoria pseudaspidiotus (Lindinger): Zimmerman 1948:394

Distribution: Kauai, Oahu

Hosts: Mangifera indica, orchid, Vanda, V. "Miss Agnes Joaquim"

Hemiberlesia lataniae (Signoret)

Aspidiotus lataniae Signoret, 1869a:124

Hemiberlesia lataniae (Signoret): Zimmerman 1948:361, 1957:199; Pelot 1950:17; Beardsley and Tuthill 1959:58

Distribution: Hawaii, Kauai, Lanai, Maui, Molokai, Niihau, Oahu

Hosts: Acacia farnesiana, Agave, Alpinia, Alyxia, Amaranthus spinosus, Ambrosia artemisiaefolia, Barringtonia asiatica, Batis maritima, Brassia actinophylla, Canna edulis, Chrysalidocarpus lutescens, Citharexylum, Citrus, Cocos nucifera, Cocoloba unifera, conifer, Cordyline terminalis, Cycas, C. circinalis, Dracaena, Eriobotrya japonica, Erythea armata, Erythrina sandwicensis, Eugenia sandwicensis, Euphorbia, Ficus, F. carica, Freycinetia, Garcinia, Gardenia, G. jasminoides, Gladiolus, Gnaphalium, Hibiscus tiliaceus, Ipomoea, Ixora, Jasminum, J. officinale, Lantana, Latania loddigesii, Limonium wrightii, Macadamia, Mangifera indica, Metrosideros, Muehlenbackia platyclados, Musa, M. paradisiaca sapientum, Orepanax salvinii, Osteomeles anthyllidifolia, palm, Persea, Pimenta officinalis, Pinus, Polyalthia longifolia, Portulaca, Pritchardia martii, Prosopis pallida, Psidium guajava, Ptychosperma macarthurii, Rubus macraei, Saccharum officinarum, Samanea saman, Santalum, Scaevola, Schinus molle, Seaforthia elegans, Solanum aculeatissimum, Strelitzia reginae, Syngonium, Vitis

Hemiberlesia rapax (Comstock)

Aspidiotus rapax Comstock, 1881a:307

Hemiberlesia rapax (Comstock): Zimmerman 1948:361; Hardy 1958:323

Distribution: Hawaii, Kauai, Lanai, Maui, Oahu

Hosts: Acacia koa, apple, bamboo, Citrus, Citrus (orange), Euphorbia,

Litchi chinensis, Medicago sativa, Metrosideros, M. polymorpha, pear, Pinus, Prunus persica, Psidium guajava, Scaevola, Sophora chrysophylla, Styphelia, Vaccinium reticulatum

Howardia biclavis (Comstock)

Chionaspis (?) biclavis Comstock, 1883:98

Howardia biclavis (Comstock): Zimmerman 1948:410; Beardsley and Tuthill 1959:58

Distribution: Hawaii, Maui, Niihau, Oahu

Hosts: Abutilon, Allamanda, Antigonon leptopus, Carica papaya, Cassia, Centaurea, Codiaeum, Coffea, Cuphea carthagenensis, Delostoma lobbii, Desmanthus virgatus, Duranta repens, Euphorbia pulcherrima, Ficus, Gardenia, Graptophyllum, Grevillea robusta, Hibiscus, Ixora, Jacobina, Leucaena glauca, Litchi chinensis, Mammea americana, Mangifera indica, Manilkara zapota, Metrosideros, Nephelium, Piper methysticum, Plumeria, P. acuminata, Punica granatum, Pyracantha, Sterculia, S. foetida, Waltheria americana

Ischnaspis longirostris (Signoret)

Mytilaspis longirostris Signoret, 1882b:xxxv

Ischnaspis longirostris (Signoret): Zimmerman 1948:404; Pelot 1950:17; Beardsley and Tuthill 1949:58; Shiroma 1965:5, 1965b:20; CEIR 1966:125, 1967:1059, 1975:297

Distribution: Hawaii, Lanai, Maui, Molokai, Niihau, Oahu

Hosts: Agave americana, Alyxia olivaeformis, Cananga odorata, Chamaerops humilis, Chrysalidocarpus lutescens, Cocos nucifera, Coffea arabica, Diospyros ferrea, Elaeagnus, Eriobotrya japonica, Eugenia, Ficus benghalensis, F. retusa, Hibiscus tiliaceus, Ixora, Jasminum multiflorum, J. officinale, Latania loddigesii, Litchi chinensis, Mangifera indica, Moraea bicolor, Murraya paniculata, palm, Pandanus, Persea americana, Phoenix dactylifera, Pritchardia, Prosopis pallida, Psidium cattleianum var. lucidum, Trachelospermum jasminoides

Kuwanaspis pseudoleucaspis (Kuwana)

Leucaspis bambusae Kuwana, 1902:74

Kuwanaspis pseudoleucaspis (Kuwana): Zimmerman 1948:410

Distribution: Oahu

Host: Phyllostachys

Kuwanaspis vermiformis (Takahashi)

Tsukushiaspis vermiformis Takahashi, 1931a:215

Kuwanaspis vermiformis (Takahashi): Balachowsky, 1954e:265

Kuwanaspis sp.: Beardsley 1964:346

Distribution: Hawaii, Kauai, Oahu

Hosts: Bambusa, bamboo

Lepidosaphes araucariae Beardsley

Lepidosaphes araucariae Beardsley 1965b:51

Distribution: Oahu

Host: Araucaria excelsa

Lepidosaphes beckii (Newman)

Coccus beckii Newman, 1869:217

Lepidosaphes beckii (Newman): Zimmerman 1948:418

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: Citrus, *C. aurantifolia*, *C. grandis*, *C. limon*, *C. medica*, *C. reticulata* cv. (tangerine), *C. sinensis*, *Cocos nucifera* (?), *Coffea*, *Murraya paniculata*

Lepidosaphes gloverii (Packard)

Coccus gloverii Packard, 1869:527

Lepidosaphes gloverii (Packard): Zimmerman 1948:420

Distribution: Hawaii, Oahu

Hosts: Citrus, *C. aurantifolia*, *Codiaeum*

Lepidosaphes laterochitina Green

Lepidosaphes laterochitina Green, 1925:41; Takagi 1970:14

Lepidosaphes bladhiae Takahashi, 1931b:379; Hunt 1954:25

Distribution: Unknown

Host: succulent

This record is based on a quarantine interception at San Francisco, California in 1952.

Lepidosaphes machili (Maskell)

Mytilaspis machili Maskell, 1898:238

Lepidosaphes tuberculata Malenotti: Thistle 1957:190

Lepidosaphes machili (Maskell): Shiroma 1967:327

Distribution: Hawaii

Host: *Cymbidium*

Lepidosaphes noxia McKenzie

Lepidosaphes noxia McKenzie, 1946b:611; Zimmerman 1948:422

Distribution: Oahu

Hosts: *Dendrobium*, *D. dearei*

Lepidosaphes pallida (Maskell)

Mytilaspis pallida, Green (var.?) Maskell, 1895b:46

Lepidosaphes pallida (Maskell): Zimmerman 1948:422

Lepidosaphes maskelli (Cockerell): Beardsley 1956:8; Zimmerman 1957:200; Nakahara 1969:280

Distribution: Hawaii, Oahu

Hosts: *Araucaria*, conifer, Cupressaceae, *Juniperus*, *Podocarpus*

Lepidosaphes pini (Maskell)

Poliaspis pini Maskell, 1897a:242

Lepidosaphes pini (Maskell): Beardsley 1972:140

Distribution: Oahu

Host: *Pinus*

Lepidosaphes tokionis (Kuwana)

Mytilaspis newsteadi var. *tokionis* Kuwana, 1902:81

Lepidosaphes tokionis (Kuwana): Zimmerman 1948:426; Shiroma 1969:264

Distribution: Hawaii, Maui, Molokai, Oahu

Hosts: *Anthurium*, *Codiaeum*, *C. variegatum*, *C. variegatum* var. *picatum*, *Cordyline terminalis*

Lindingaspis rossi (Maskell)

Aspidiotus rossi Maskell, 1891:3

- Lindingaspis rossi* (Maskell): Zimmerman 1948:368; Shiroma 1965d:31
 Distribution: Hawaii, Maui, Oahu
 Hosts: *Araucaria bidwillii*, *A. cunninghamii*, *A. excelsa*, orchids, *Pinus*
- Lopholeucaspis cockerelli* (Grandpré & Charmoy)
Fiorinia cockerelli Grandpré et Charmoy, 1899:33
Leucodiaspis cockerelli (de Charmoy): Zimmerman 1948:374
Lopholeucaspis cockerelli (de Charmoy): Nakahara 1969:280
Lopholeucaspis cockerelli (Grandpré & Charmoy): Boratynski 1960:193
 Distribution: Hawaii, Oahu
 Hosts: *Aleurites moluccana*, *Alternanthera amoena*, *Arundina bambusifolia*, *Arundinaria*, *Butia campestris*, cactus, *Citrus*, *C. aurantifolia*, *C. limon*, *C. sinensis*, *Cocos nucifera*, *Hylocereus undatus*, *Litchi chinensis*, *Macadamia*, orchid, *Phoenix dactylifera*, *Pinus*, *Thea*, *Thuya orientalis*, *Vanda*
- Melanaspis aliena* (Newstead)
Aspidiotus alienus Newstead, 1901a:81
Melanaspis aliena (Newstead): Beardsley 1971:5
 Distribution: Hawaii
 Host: *Cymbidium*
- Melanaspis bromeliae* (Leonardi)
Aonidiella bromeliae Leonardi, 1899:177
 "Targionia" *bromeliae* (Leonardi): Wheeler et al. 1951:41
Melanaspis bromeliae (Leonardi): Beardsley 1967:325; CEIR 1967:63
 Distribution: Kauai, Lanai, Oahu
 Hosts: *Ananas comosus*, *Cocos nucifera*
- Morganella conspicua* (Brain)
Diaspis (*Epidiaspis*) *conspicua* Brain, 1919:228
Morganella conspicua (Brain): Hall 1946a:549
 Distribution: Unknown
 Host: *Araceae*
 This record is based on a quarantine interception at San Pedro, California, in 1974.
- Morganella longispina* (Morgan)
Aspidiotus longispinus Morgan, 1889a:352
Morganella longispina (Morgan): Zimmerman 1948:358; Swezey 1950a:185; Shiroma 1972b:157
 Distribution: Hawaii, Oahu
 Hosts: *Aleurites moluccana*, *Bauhinia purpurea*, *Citrus* (orange), *C. grandis*, *C. limon*, *C. paradisi*, *Ficus*, *Hibiscus*, *Jasminum*, *Ligustrum*, *Macadamia ternifolia*, *Mangifera indica*, *Michelia champaca*, *Moraea*, *Persea*, *P. americana*
- Mycetaspis personata* (Comstock)
Aspidiotus personatus Comstock, 1883:66
Mycetaspis personata (Comstock): Shiroma 1966:137; Mau 1975:8
 Distribution: Oahu
 Hosts: *Cordyline terminalis*
 This record is based on a quarantine interception at Honolulu in 1965.

Neopinnaspis harperi McKenzie

Neopinnaspis harperi McKenzie, 1949:124; Beardsley 1966a:124;
Shiroma 1966:141

Distribution: Oahu

Hosts: *Gouldia terminalis*, *Persea americana*

Octaspidiotus araucariae Adachi and Fullaway

Octaspidiotus araucariae Adachi and Fullaway 1953:91; Nakahara
1969:280; CEIR 1971:46

Distribution: Hawaii, Maui, Molokai, Oahu

Hosts: *Araucaria excelsa*

Odonaspis greenii Cockerell

Odonaspis secreta var. *greenii* Cockerell, 1902a:25

Odonaspis greenii Cockerell: Zimmerman 1948:428

Distribution: Oahu

Hosts: bamboo, *Bambusa*

Odonaspis penicillata Green

Odonaspis penicillata Green, 1905a:344; Beardsley 1956:8

Distribution: Oahu

Host: bamboo

Odonaspis ruthae Kotinsky

Odonaspis ruthae Kotinsky, 1915:102; Zimmerman 1948:428;
Beardsley 1961:327

Distribution: Hawaii, Maui, Molokai, Oahu

Hosts: *Cynodon dactylon*, *Eragrostis*, grass

Parlatoria crotonis Douglas

Parlatoria proteus var. *crotonis* Douglas, 1887:242

Parlatoria crotonis Douglas: Zimmerman 1948:396

Distribution: Hawaii, Oahu

Hosts: *Codiaeum*, *C. variegatum*, *Pinus*

Parlatoria fluggeae Hall

Parlatoria fluggeae Hall, 1929a:359; CPPR 1977:222

Distribution: Oahu

Hosts: *Aleurites moluccana*, *Calotropis*, *Erythrina*, *Hibiscus*, *Jatropha hastata*

Parlatoria pergandii Comstock

Parlatoria pergandii Comstock, 1881a:327

Parlatoria pergandei Comstock: Zimmerman 1948:396

Distribution: Oahu

Hosts: Citrus, *C. limon*, *C. paradisi*, *C. reticulata* cv. (tangerine)

Parlatoria proteus (Curtis)

Aspidiotus proteus Curtis, 1843b:676

Parlatoria proteus (Curtis): Zimmerman 1948:396; Pelot 1950:17;
Chilson 1959:18

Distribution: Hawaii, Kauai, Maui, Oahu

Hosts: *Arachnis moschifera*, *Barringtonia*, *Brassaia actinophylla*,
Chrysalidocarpus lutescens, *Cocos nucifera*, *Cycas*, *C. circinalis*,
Cymbidium, *Cypripedium insignis*, *Ficus*, *Jatropha hastata*,
Ligustrum, *Mangifera indica*, *Mondo japonicum*, *Monstera*, *Moraea*,

orchids, palm, Pandanus odoratissimus, Phoenix dactylifera, Scindapsus aureus, Vanda

Parlatoria vandae McKenzie

Parlatoria vandae McKenzie, 1960b:208

Distribution: Oahu

Host: Vanda

Parlatoria ziziphi (Lucas)

Coccus ziziphi Lucas, 1853:xxviii

Parlatoria zizyphus (Lucas): Zimmerman 1948:404; CEIR 1967:660; Mau 1975:8

Parlatoria ziziphi (Lucas): Balachowsky 1953g:779

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: Citrus, *C. aurantifolia*, *C. grandis*, *C. paradisi*, *C. reticulata* cv. (mandarin, tangerine), *C. sinensis*, *Severinia buxifolia*

Pinnaspis aspidistrae (Signoret)

Chionaspis aspidistrae Signoret, 1869a:443

Pinnaspis aspidistrae (Signoret): Zimmerman 1948:387, Mau 1975:9

Pinnaspis caricis Ferris, 1957:212; Chilson 1959:18; Nakahara 1979:31

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Aspidistra*, *Bryophyllum pinnatum*, *Cissus*, *Citrus aurantifolia*, *C. limon*, *C. sinensis*, *Cordyline terminalis*, *Dracaena*, *Euphorbia pulcherrima*, fern, *Mondo japonicum*, orchid, palm (seed), *Persea*, *Platyserium*

Pinnaspis buxi (Bouché)

Aspidiotus buxi Bouché, 1851:111

Pinnaspis buxi (Bouché): Zimmerman 1948:390; Swezey 1950:19, 1954:108

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Anthurium*, *A. magnificum*, *Cocos nucifera*, *Cordyline terminalis*, *Dendrobium*, *Diospyros* (persimon), *Hibiscus*, *H. arnotianus*, *Magnolia*, *Monstera deliciosa*, *Moraea bicolor*, *Musa* (banana), orchid, *Pandanus*, *Philodendron*, *Scindapsus*, *S. aureus*, *Smilax*, *Spathiphyllum*, *Strelitzia*, *S. reginae*

Pinnaspis strachani (Cooley)

Hemichionaspis minor strachani Cooley, 1899:54

Pinnaspis strachani (Cooley): Ferris and Rao 1947:39; Zimmerman 1948:392; Beardsley and Tuthill 1959:58; CEIR 1968:56; 1975:297; Mau 1975:9

Distribution: Hawaii, Kauai, Lanai, Maui, Niihau, Oahu

Hosts: *Abutilon*, *Acacia*, *Alpinia purpurata*, *Annona cherimola*, *A. reticulata*, *Antigonon leptopus*, *Asparagus*, *A. officinalis*, *Averrhoa carambola*, *Batis maritima*, *Bauhinia*, *Cajanus flavus*, *Chenopodium*, *Cocculus ferrandianus*, *Cocos nucifera*, *Codiaeum*, *Cordyline terminalis*, *Cycas*, *Desmodium*, *Dracaena*, *Enterolobium cyclocarpum*, *Erythrina*, fern, *Geranium*, *Gossypium*, *G. tomentosum*, *Hibiscus*, *H. rosa-sinensis*, *Jasminum*, *Malvastrum tricuspidatum*, *Mangifera indica*, *Murraya paniculata*, *Musa* (banana), *M. nana*, orchid, palm, *Pandanus odoratissimus*, *Passiflora foetida*, *Persea*, *P. americana*, *Phaseolus limensis*, *Philodendron*, *Plumeria*, *poinciana*, *Polyalthia*

longifolia, Schinus terebinthifolius, Sida, Solanum, S. melongena, Strelitzia, S. reginae, Terminalia catappa, Tillandsia, Verschaffeltia, Waltheria americana, Wisteria, yam

Pinnaspis uniloba (Kuwana)

Mytilaspis (*Lepidosaphes*) *uniloba* Kuwana, 1909:156

Pinnaspis uniloba (Kuwana): Zimmerman 1948:392; Shiroma 1972c:158.

Distribution: Kauai, Oahu

Hosts: *Alyxia olivaeformis*

Pseudaulacaspis cockerelli (Cooley)

Chionaspis cockerelli Cooley, 1897:278

Phenacaspis eugeniae var. *sandwicensis* Fullaway 1932:103

Phenacaspis sandwicensis Fullaway: Zimmerman 1948:386; Pelot 1950:17; Swezey 1954:24

Phenacaspis cockerelli (Cooley): Beardsley 1957:184; CEIR 1967:136, 299

Pseudaulacaspis cockerelli (Cooley): Takagi & Kawai, 1967:30; Mau 1975:9

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Adenium*, *Agapanthus*, *Aleurites moluccana*, *Allamanda*, *Alocasia*, *Alyxia olivaeformis*, *Araceae*, *Areca*, bamboo, *Barringtonia*, *Bromelia*, *Bryophyllum*, *Calotropis gigantea*, *Cananga odorata*, *Chrysalidocarpus lutescens*, *Cocos nucifera*, *Cordyline terminalis*, *Cycas revoluta*, *Dianella montana*, *Dracaena*, *Euphorbia*, *Fagraea berteriana*, *Ficus*, *Gardenia*, *Helianthus annuus*, *Heliconia*, *Jatropha hastata*, *Magnolia grandiflora*, *M. virginiana*, *Mangifera indica*, *Michelia champaca*, *Moraea bicolor*, *Musa* (banana), *Nerium*, *Olea*, palm, *Persea americana*, *Pimenta officinalis*, *Plumeria*, *P. acuminata*, *Rhizophora mangle*, *Strelitzia*, *S. reginae*, *Tabebuia pentaphylla*, *Terminalia catappa*, *Thevetia peruviana*, *Yucca*

Pseudaulacaspis major (Cockerell)

Chionaspis major Cockerell, 1894a:43

Pseudaulacaspis major (Cockerell): Zimmerman 1948:381; Beardsley & Tuthill 1959:58; Shiroma 1965a:17; CEIR 1967:7; Beardsley 1972a:140

Distribution: Hawaii, Kauai, Maui, Niihau, Oahu

Hosts: *Alphitonia excelsa*, *Euphoria longan*, *Ficus retusa*, *Litchi chinensis*, *Salix babylonica*, *Santalum haleakalae*

Pseudaulacaspis subcorticalis (Green)

Chionaspis subcorticalis Green, 1905a:351

Phenacaspis subcorticalis (Green): Ferris 1957:212

Pseudaulacaspis subcorticalis (Green): Nakahara 1975:202

Distribution: Oahu

Hosts: *Artocarpus altilis*, *Mangifera indica*

Pseudoparlatoria parlatorioides (Comstock)

Aspidiotus (?) *parlatorioides* Comstock, 1883:64

Pseudoparlatoria parlatorioides (Comstock): Fullaway 1949:334

Distribution: Oahu

Host: *Cypripedium*

Radionaspis indica (Marlatt)

Leucaspis indica Marlatt, 1908c:26

Radionaspis indica (Marlatt): Defibaugh 1951:226

Distribution: Oahu

Host: *Mangifera indica*

Thysanofiorinia leei Williams

Thysanofiorinia leei Williams, 1971:451

Distribution: Oahu

Host: Litchi chinensis

This record is based on two quarantine interceptions at Honolulu, Hawaii, in 1954 and 1955 and a collection made by D.T. Fullaway in Honolulu in 1926. the specimens are in the USNN collection.2

Thysanofiorinia nephelii (Maskell)

Fiorinia nephelii Maskell, 1897a:242; Zimmerman 1948:377

Thysanofiorinia nephelii (Maskell): Balachowsky 1954e:314

Distribution: Oahu

Hosts: *Euphoria longan*, Litchi chinensis

Eriococcidae*Eriococcus araucariae* Maskell

Eriococcus araucariae Maskell 1879:218; Zimmerman 1948:283

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Araucaria*, *A. excelsa*

Eriococcus coccineus Cockerell

Eriococcus coccineus Cockerell, 1894k:204; Zimmerman 1948:287

Distribution: Kauai

Hosts: *Astrophytum*, *Cereus*, *Cleistocactus*, *Echinopsis*, *Mammillaria*

Halimococcidae*Colobopyga browni* Beardsley

Colobopyga browni Beardsley 1963:60

Distribution: Oahu

Hosts: *Pritchardia*, *P. kahana*, *P. martiodes*, *P. rockiana*

Colobopyga kewensis (Newstead)

Fiorinia kewensis Newstead, 1901a:82

Palmaricoccus nesiotis (Laing): Zimmerman 1948:430

Colobopyga kewensis (Newstead): Beardsley 1963:62

Distribution: Unknown

Host: palm

According to Beardsley, this species was collected on an unidentified palm at an unrecognized location in the State.

Colobopyga pritchardiae (Stickney)

Palmaricoccus pritchardiae Stickney, 1934:67; Zimmerman 1948:432;

Swezey 1954:174

Colobopyga pritchardiae (Stickney): Beardsley 1963:63

Distribution: Molokai, Oahu

Hosts: *Pritchardia*, *P. hardyi*, *P. rockiana*

Platyococcus tylocephalus Stickney

Platyococcus tylocephalus Stickney, 1934:108; Zimmerman 1948:434;

Beardsley 1963:63

Distribution: Oahu, Nihoa

Hosts: *Pritchardia*, *P. kahana*, *P. martiodes*, *P. remota*, *P. rockiana*

Margarodidae

Icerya purchasi Maskell

Icerya purchasi Maskell, 1879:221; Zimmerman 1948:136, 1957:197; Davis 1953:85; Swezey 1954:22; Van Zwaluwenburg 1956:1; CEIR 1966:103, 206, 792, 1967:299, 1968:7, 1970:17; Hale 1970:533, Mau 1975:7

Distribution: Hawaii, Kauai, Lanai, Maui, Molokai, Oahu

Hosts: *Abutilon molle*, *Acacia*, *A. decurrens dealbata*, *A. farnesiana*, *A. koa*, *A. koaia*, *A. melanoxylon*, *Acalypha*, *A. godseffiana* var. *heterophylla*, *Amaranthus*, *Ambrosia artemisiaefolia*, *Arachnis hypogaea*, *Areca catechu*, *Barleria cristata*, *Cajanus flavus*, *Canavalia cathartica*, *Cassia*, *C. glauca*, *C. leschenaultiana*, *Casuarina*, *C. equisetifolia*, *Citrus*, *Citrus* (orange), *C. aurantifolia*, *C. grandis*, *C. paradisi*, *C. reticulata* cv. (mandarin), *Clermontia*, clover, *Crotalaria icana*, *Desmanthus virgatus*, *Desmodium canum*, *D. sandwicense*, *D. tortuosum*, *D. uncinatum*, *D. virgatus*, *Emilia sonchifolia*, *Eupatorium riparium*, *Euphorbia glomerifera*, *E. heterophylla*, *Fuchsia*, *Gaillardia pulchella*, *Glycine max*, *Gossypium tomentosum*, *Ipomoea pentaphylla*, *Jatropha hastata*, *Lonicera*, *Macadamia integrifolia*, *Malpighia puniceifolia*, *Medicago hispida*, *Mentha piperita*, *Metrosideros*, *Mimosa pudica*, *Morus*, *M. nigra*, nettlespurge, *Oxalis corniculata*, *Perilla frutescens*, *Pittosporum*, *P. tobira*, *P. undulatum*, *Polyscias*, *Psidium guajava*, *Rosa*, *Ruellia malacosperma*, sage, *Samanea saman*, *Scaevola sericea*, *Sigesbeckia orientalis*, *Solanum melongena*, *Sophora chrysophylla*, *Thespesia populnea*, *Triphasia trifolia*, *Ulex europaeus*, *Verbesina encelioides*

Ortheziidae

Arctorthezia occidentalis (Douglas)

Orthezia occidentalis Douglas, 1891b:245

Arctorthezia occidentalis (Douglas): Beardsley 1964:339, 1975:b:11

Distribution: Maui

Host: *Agrostis sandwicensis*, *Argyroxiphium*

Nipponorthezia guadalcanalia Morrison

Nipponorthezia guadalcanalia Morrison, 1952:73; Beardsley 1966a:125

Distribution: Oahu

Host: leaf litter

Orthezia insignis Browne

Orthezia insignis Browne, 1887:169; Zimmerman 1948:139; Hardy 1960:168; CEIR 1966:86, Mau 1977a:413

Distribution: Hawaii, Lanai, Maui, Oahu

Hosts: *Alternanthera*, *Asystasia gangetica*, bamboo, *Begonia*, *Chrysanthemum*, *Clermontia*, *Coleus*, *C. blumei*, *Emilia sonchifolia*, *Eupatorium glandulosum*, *Euphorbia*, *Gardenia*, *Hemigraphis colorata*, *Ipomoea*, *Iresine herbstii*, *Ixora*, *Lantana*, *L. camara*, *Latania*,

Lipochaeta lobata, Lippia, Meyeria, Physalis peruviana, Plantago,
Salvia, Strelitzia, Strobilanthes dyerianus, Zygocactus truncatus

Pseudococcidae

Antonina crawii Cockerell

Antonina crawii Cockerell, 1900f:70; Zimmerman 1948:151; Beardsley
1965a:47

Distribution: Oahu

Host: bamboo

Antonina graminis (Maskell)

Sphaerococcus graminis Maskell, 1897a:244

Antonina graminis (Maskell): Zimmerman 1948:156; Beardsley
1961:327; Nakahara 1969:280; Mau 1975:5

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: Ananas comosus roots, Chloris, Cynodon dactylon, Digitaria
decumbenes, grass, Panicum, P. spectabile, P. torridum, P. var-
iegatum, Paspalum, Saccharum officinarum aerial roots

Brevennia rehi (Lindinger)

Ripersia rehi Lindinger, 1943a:152

Brevennia rehi (Lindinger): CPPR 1976:516

Distribution: Oahu

Host: Cynodon dactylon

Chaetococcus bambusae (Maskell)

Sphaerococcus bambusae Maskell, 1893b:237

Antonina bambusae (Maskell): Beardsley 1966:407; Nakahara 1969:280

Distribution: Hawaii, Oahu

Hosts: bamboo

Chlorococcus chloris (Beardsley)

Pseudococcus chloris Beardsley, 1963a:230

Chlorococcus chloris (Beardsley) 1971b:42, 51

Distribution: Hawaii, Maui

Hosts: Sophora chrysophylla

Chlorococcus longipes (Beardsley)

Chlorococcus longipes Beardsley, 1971b:42, 51

Distribution: Maui

Host: Myrsine sp. lessertiana ?

Chlorococcus peleae (Beardsley)

Pseudococcus peleae Beardsley, 1959b:47, 1962:96

Chlorococcus peleae (Beardsley) 1971b:42, 51

Distribution: Oahu

Host: Pelea clusiaefolia

Chlorococcus sparsus Beardsley

Chlorococcus sparsus Beardsley, 1971b:42, 53

Distribution: Maui

Host: *Clermontia arborescens*

Chlorococcus straussiae (Ehrhorn)

Pseudococcus straussiae Ehrhorn, 1916:239; Zimmerman 1948:241;

Swezey 1954:45, 140, 209; Beardsley 1960:233

Chlorococcus straussiae (Ehrhorn): Beardsley 1971b:42, 51

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Bobea*, *Charpentiera*, *Gouldia*, *Myrsine*, *Straussia hawaiiensis*, *S. kaduana*

Chorizococcus lounsburyi (Brain)

Pseudococcus lounsburyi Brain, 1912:179

Trionymus lounsburyi (Brain): Zimmerman 1948:260, 1957:197;

Beardsley 1960:239

Chorizococcus lounsburyi (Brain): Chilson 1953:18

Distribution: Maui, Oahu

Hosts: *Amaryllis*, *Crinum*, *Hymenocallis*, *H. littoralis*, *Zephyranthes*

Chorizococcus rostellum (Lobdell)

Trionymus rostellum Lobdell, 1930:219; Beardsley 1956b:10, 1957:209

Chorizococcus rostellum (Lobdell): Beardsley 1969:296

Distribution: Hawaii, Maui, Molokai, Oahu

Hosts: bunch grass, *Cynodon dactylon*, *Eleusine indica*, *Panicum torridum*, *Saccharum officinarum*, *Zoysia*

Claviccoccus erinaceus Ferris

Claviccoccus erinaceus Ferris in Zimmerman 1948:172; Beardsley 1971b:42

Distribution: Oahu

Host: *Abortopetalum sandwicense*

Claviccoccus tribulus Ferris

Claviccoccus tribulus Ferris in Zimmerman 1948:174; Beardsley 1971b:42

Distribution: Oahu

Host: *Hibiscus arnottianus*

Dysmicoccus boninsis (Kuwana)

Dactylopius (*Pseudococcus*) *boninsis* Kuwana, 1909a:161

Pseudococcus boninsis (Kuwana): Zimmerman 1948:185

Dysmicoccus boninsis (Kuwana): Beardsley 1966:128; Nakahara 1969:280

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Eragrostis variabilis*?, *Panicum*, *Saccharum officinarum*, *Setaria palmifolia*, *Stenotaphrum secundatum*

Dysmicoccus brevipes (Cockerell)

Dactylopius brevipes Cockerell, 1893n:267

Pseudococcus brevipes (Cockerell): Zimmerman 1948:189; Swezey 1954:209; McGee 1959:4

Dysmicoccus brevipes (Cockerell): Beardsley 1959a:31

Distribution: Hawaii, Kauai, Lanai, Maui, Molokai, Oahu

Hosts: *Agave sisalana*, *Ananas comosus*, *Annona muricata*, *Apium graveolans*, beans, *Bougainvillea*, bromeliad, *Canna*, *Carissa*, *Chloris*

guyana, *C. inflata*, *Coccoloba uvifera*, *Cocos nucifera*, *Codiaeum*, *Coffea*, *Colocasia esculenta*, *Cucurbita*, *Cyperus rotundus*, *Daucus carota*, *Eleusine indica*, *Euphorbia*, *Fragaria chiloensis*, *Gliricidia*, *Gossypium*, *Ipomoea batatas*, lily, *Lycopersicon esculentum*, *Medicago sativa*, *Melilotus indica*, *Musa* (banana), orchid, palm, *Panicum*, *Paspalum conjugatum*, *Pennisetum purpureum*, *Plantago*, *Portulaca*, pumpkin, *Raphanus sativus longipinnatus*, *Saccharum officinarum*, *Saraca indica*, *Sechium edule*, sedge, *Setaria verticillata*, *Sida*, *Straussia*, *Strelitzia reginae*, *Tricholaena rosea*, *Zingiberaceae*

Dysmicoccus neobrevipes Beardsley

Dysmicoccus neobrevipes Beardsley, 1959a:31, 1960:217; Krauss 1962:2; Nishida and Kuramoto 1963:295, CEIR 1971:481

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Acacia farnesiana*, *A. koa*, *Agave*, *A. sisalana*, *Alpinia purpurata*, *Ananas comosus*, cactus, *Coccoloba uvifera*, *Colocasia esculenta*, *Desmanthus virgatus*, *Dichorisandra thrysisflora*, *Dioscorea*, *Ficus benghalensis*, *Hedychium coronarium*, *Messerschmidia argentea*, *Musa* (banana), *Opuntia*, *O. megacantha*, *Pandanus*, *Panicum*, *Pluchea odorata*, *Polianthus tuberosa*, *Polyscias*, *Portulacaria afra*, *Pritchardia pacifica*, *Samanea saman*, sunflower, *Thespesia populnea*, *Yucca*

Ferrisia virgata (Cockerell)

Dactylopius virgatus Cockerell, 1893n:178

Ferrisia virgata (Cockerell): Zimmerman 1948:271; Swezey 1954:108

Ferrisia virgata (Cockerell): Beardsley 1966:414

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Acacia farnesiana*, *Acalypha*, *Alocasia*, *Amaranthus spinosus*, *Ananas comosus*, *Areca catechu*, *Cactaceae*, *Cajanus flavus*, *Cassia gaudichaudii*, *Ceratonia siliqua*, *Codiaeum*, *Coffea*, *Colocasia esculenta*, *Cordyline terminalis*, *Datura*, *Desmanthus virgatus*, *Daucus carota*, *Dolichos lablab*, *Dracaena*, *Elettaria speciosa*, *Erythrina*, *Euphorbia hirta*, *E. pulcherrima*, garden beans, *Gossypium*, *Heliconia*, *Hibiscus*, *Ipomoea tuberosa*, *Litchi chinensis*, *Mucuna* (velvet bean), *Nerium*, *Nicotiana*, *Passiflora foetida*, *Piper betle*, *Plumbago capensis*, *Plumeria*, *Portulaca oleracea*, *Psidium guajava*, *Samanea saman*, *Sida fallax*, *Solandra grandiflora*, *Solanum melongena*, *Stigmaphyllon*, *Verbesina encelioides*, *Viola*

Gallulacoccus tenorioi Beardsley

Gallulacoccus tenorioi Beardsley, 1971b:42, 47

Distribution: Kauai

Host: *Metrosideros* sp. leaf gall

Geococcus coffeae Green

Geococcus coffeae Green, 1933:54; Beardsley 1959:10, 1966b:152; Howarth 1974:305; CPPR 1977:249

Geococcus radicum Green: Zimmerman 1948:158; Namba 1958:330 (misidentification)

Distribution: Hawaii, Kauai, Maui, Oahu

Hosts: *Acacia koa*, *Aglaonema*, *Alpinia purpurata*, *Ananas comosus*, *Caladium*, *Codiaeum*, *Coffea*, *Commelina*, *Cyperus rotundus*, ferns,

Gardenia, Gerberia, Indigofera anil, Mangifera indica, Nerium, palm, Plantago

Laminicoccus pandani (Cockerell)

Dactylopius pandani Cockerell, 1895z:16

Pseudococcus giffardi (Ehrhorn): Zimmerman 1948:219

Laminicoccus giffardi (Ehrhorn): Beardsley 1960:229

Laminicoccus pandani (Cockerell): Beardsley 1966:416

Distribution: Hawaii, Maui, Oahu

Hosts: Freycinetia, Pandanus, P. odoratissimus

Nesococcus pipturi Ehrhorn

Nesococcus pipturi Ehrhorn, 1916:238; Zimmerman 1948:276;
Beardsley 1959b:55, 1971b:42

Distribution: Hawaii, Oahu

Hosts: Pipturus, P. albidus

Nesopedronia acanthocauda (Beardsley)

Pedronia acanthocauda Beardsley, 1957a:230, 1959b:39

Nesopedronia acanthocauda (Beardsley) 1971b:42, 44

Distribution: Oahu

Host: Dicranopteris owyhyensis

Nesopedronia cibotii (Beardsley)

Pedronia cibotii Beardsley, 1957a:222, 1959b:39

Nesopedronia cibotii (Beardsley) 1971b:42, 43

Distribution: Hawaii, Oahu

Host: Cibotium chamissoi

Nesopedronia crypta (Beardsley)

Pedronia crypta Beardsley, 1957a:226

Nesopedronia crypta (Beardsley) 1971b:42, 43

Distribution: Kauai

Host: Dicranopteris owyhyensis

Nesopedronia dura (Beardsley)

Pedronia dura Beardsley, 1957a:224

Nesopedronia dura (Beardsley) 1971b:42, 43

Distribution: Oahu

Host: Dicranopteris linearis

Nesopedronia hawaiiensis (Ferris)

Pedronia hawaiiensis Ferris in Zimmerman 1948:168; Beardsley
1957a:220, 1959b:39

Nesopedronia hawaiiensis (Ferris): Beardsley 1971b:42, 43

Distribution: Kauai, Oahu

Hosts: Dicranopteris emarginata, D. linearis, D. owyhyensis

Nipaeoccus nipae (Maskell)

Dactylopius nipae Maskell, 1893b:232

Pseudococcus nipae (Maskell): Zimmerman 1948:229; Swezey
1954:174

Pseudococcus pseudonipae (Cockerell): Swezey 1954:33

Nipaeoccus nipae (Maskell): Zimmerman 1957:197; Beardsley
1960:234

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Annona muricata*, *Anthurium*, *Araucaria excelsa*, *Arecastrum romanoffianum*, *Artocarpus altilis*, *Asparagus*, *A. sprengeri*, *Astelia veratroides*, *Caladium*, *Canna*, *Chrysalidocarpus lutescens*, *Cocos nucifera*, *Cordyline terminalis*, *Dracaena*, *Ficus*, *F. Benghalensis*, *F. religiosa*, *F. retusa*, *Morus*, palm, *Persea americana*, *Philodendron*, *Pritchardia*, *Psidium guajava*, *Saccharum officinarum*, *Solanum melongena*, *Sterculia urens*, *Straussia*, *Urera*, *Vitis*

Nipaecoccus vastator (Maskell)

Dactylopius vastator Maskell, 1895b:65

Pseudococcus vastator (Maskell): Zimmerman 1948:245

Nipaecoccus vastator (Maskell): Beardsley 1960:235, 1976:177; CEIR 1971:481

Distribution: Hawaii, Maui, Oahu

Hosts: *Areca*, *Bruguiera sexangula*, *Ceratonia*, *Clerodendrum squamatum*, clover, *Citrus*, *Citrus* (orange), *C. aurantifolia*, *C. limon*, *C. reticulata* c.v., *Dodonaea viscosa*, *Gossypium*, *G. tomentosum*, *Hibiscus*, *H. arnottianus*, *Jatropha hastata*, *Morus*, *Tamarindus indicus*, *Vitis*

Ohiacoccus cryptus Beardsley

Ohiacoccus cryptus Beardsley, 1971b:42, 45

Distribution: Hawaii, Oahu

Hosts: *Metrosideros polymorpha* var. *typica*

Palmicultor palmarum (Ehrhorn)

Ripersia palmarum Ehrhorn, 1916:245

Pseudococcus palmarum (Ehrhorn): Zimmerman 1948:235

Palmicola palmarum (Ehrhorn): Beardsley 1960:232

Palmicultor palmarum (Ehrhorn): Beardsley 1966:426; Nakahara 1969:280; CEIR 1971:536

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Alpinia purpurata*, *Chrysalidocarpus*, *C. lutescens*, *Coccothrinax*, *Cocos nucifera*, *Coffea arabica*, *Latania loddigesii*, palm, *Phoenix dactylifera*, *Ptychosperma macarthurii*, *Ravenala*, *Roystonea regia*, *Strelitzia nicolai*, *Thrinax*

Phenacoccus gossypii Townsend and Cockerell

Phenacoccus gossypii Townsend and Cockerell, 1898:170; Zimmerman 1948:161; Swezey 1954:81; Beardsley 1959:20, 1960:222

Distribution: Hawaii, Maui, Molokai, Oahu

Hosts: *Buddleja davidii*, *Capsicum frutescens longum*, *Chrysanthemum*, *Crotalaria*, *Dombeya*, *D. wallichii*, *Erigeron*, *Erythrina*, *E. caffra*, *E. indica*, garden beans, *Glycine max*, *Gnaphalium sandwichicum*, *Heliconia*, *Ipomoea*, *Lycopersicon esculentum*, *Myoporum sandwicense*, pepper, *Phaseolus limensis*, *P. vulgaris*, *Solanum melongena*, *Sophora chrysophylla*

Phenacoccus solani Ferris

Phenacoccus solani Ferris, 1918d:60; Zimmerman 1948:165; Carter 1960:322

Distribution: Hawaii, Oahu

Hosts: *Achillea millefolium*, *Ananas comosus*, *Centella asiatica*, *Emilia sonchifolia*, *Heterotheca grandiflora*, *Lycopersicon esculentum*, *Portulaca*, *P. oleracea*, *Sonchus oleraceus*, *Verbesina encelioides*

Phyllococcus oahuensis (Ehrhorn)

Cissococcus (?) *oahuensis* Ehrhorn, 1912:149

Phyllococcus oahuensis (Ehrhorn): Zimmerman 1948:159; Beardsley 1971b:42

Distribution: Lanai, Oahu

Hosts: *Urera glabra*, *U. sandwicensis*

Planococcus citri (Risso)

Dorthezia citri Risso, 1813:416

Pseudococcus citri (Risso): Zimmerman 1948:201; Swezey 1954:22, 39

Pseudococcus kraunhiae, (misidentifications): Ferris in Zimmerman 1948:206

Planococcus citri (Risso): Davis 1953:85; Zimmerman 1957:197; Beardsley 1960:224, 1962a:18

Distribution: Hawaii, Kauai, Maui, Molokai, Oahu

Hosts: *Acacia koaia*, *Aglaonema*, *Alpinia purpurata*, *Amaranthus*, *Ananas comosus*, *Anthurium*, *Artocarpus altilis*, *Averrhoa carambola*, *Barringtonia*, *Bidens*, *Boehmeria*, *Brassia actinophylla*, *Bryophyllum*, *Cajanus flavus*, *Calathea*, *Canna*, *Casuarina equisetifolia*, *Chrysanthemum*, *Citrus*, *Citrus* (orange), *C. aurantifolia*, *C. grandis*, *C. reticulata* cv. (tangerine), *Coccoloba uvifera*, *Cocos nucifera*, *Codiaeum*, *Coffea*, *C. arabica*, *Columnea*, *Cordyline*, *Cucurbita maxima*, *Cyrtandra*, *Dendrobium*, *Dichorisandra*, *Dioscorea*, *Ephorbia pulcherrima*, *Ficus benghalensis*, garden beans, *Gardenia*, *G. jasminoides*, ginger flower, hapu stump, *Hibiscus*, *Ipomoea*, *I. tuberosa*, *Leonotis nepetaefolia*, *Leucaena*, *Lilium*, *Magnolia*, *Mangifera indica*, *Musa* (banana), *Nicotiana* (tobacco), *N. glauca*, orchid, *Pelea*, *Persea*, *Phaeomeria magnifica*, *Phaseolus vulgaris humilis*, *Pipturus*, *P. albidus*, *Pittosporum*, *Plumbago capensis*, *Plumeria*, potato, *Psidium guajava*, pumpkin, *Punica granatum*, *Rosa*, *Rhizophora mangle*, *Saccharum officinarum*, *Samanea saman*, *Schinus terebinthifolius*, *Solanum melongena*, *Spathoglottis pacifica*, *Stictocardia campanulata*, *Strelitzia reginae*, *Vanda*, *Zingiber mioga*

Planococcus mali Ezzat and McConnell

Planococcus mali Ezzat and McConnell, 1956:93

Pseudococcus mali (Ezzat and McConnell): Mumford 1962:36

Distribution: Oahu

Host: *Cordyline terminalis*

This record is based on a quarantine interception at Honolulu, Hawaii, in 1960.

Pseudococcus antricolens Ferris

Pseudococcus antricolens Ferris in Zimmerman 1948:181; Beardsley 1960:225, 1971b:42

Distribution: Oahu

Host: *Santalum freycinetianum*

Pseudococcus citriculus Green

Pseudococcus citriculus Green, 1922:377; Zimmerman 1948:210

Distribution: Oahu

Hosts: *Citrus aurantifolia*, *C. grandis*, Citrus (orange), Zingiber

Pseudococcus elisae Borchsenius,

Pseudococcus elisae Borchsenius, 1948d:419

Distribution: Unknown

Host: *Gardenia jasminoides*

This record is based on a quarantine interception at Honolulu, Hawaii, in 1959.

Pseudococcus floriger Ferris

Pseudococcus floriger Ferris in Zimmerman 1948:212; Beardsley 1959b:43, 1971b:42

Distribution: Kauai, Lanai, Maui, Molokai, Oahu

Host: *Dracaena aurea*

Pseudococcus gallicola Ehrhorn

Pseudococcus gallicola Ehrhorn, 1916:241; Zimmerman 1948:213; Beardsley 1971b:42

Distribution: Maui, Oahu

Hosts: *Santalum ellipticum*(?), *S. freycinetianum*(?), *S. haleakalae*, *S. littorale*

Pseudococcus longispinus (Targioni-Tozzetti)

Dactylopius longispinus Targioni-Tozzetti, 1867:1-87

Pseudococcus adonidum (Linnaeus): Zimmerman 1948:180; Van Zwaluwenburg 1950:4; Swezey 1954:70, 137, 217; CEIR 1970:740

Pseudococcus longispinus (Targioni-Tozzetti): De Lotto 1965:226

Distribution: Hawaii, Kauai, Lanai, Maui, Molokai, Oahu

Hosts: *Abortopetalum sandwicense*, *Alpinia purpurata*, *Ananas comosus*, *Areca catechu*, *Asparagus*, *Begonia*, *Bryophyllum pinnatum*, *Cajanus flavus*, *Caladium*, *Calophyllum inophyllum*, *Canthium odoratum*, *Cocos nucifera*, *Codiaeum variegatum*, *Coffea arabica*, *Cordyline terminalis*, *Crassula*, *Dodonaea*, *Dracaena*, *Epidendrum*, fern, *Ficus*, *F. benghalensis*, *Gardenia*, *G. jasminoides*, *Glycine max*, *Heliconia*, *Hibiscus*, *Macadamia*, *Metrosideros*, *Moringa oleifera*, *Myoporum*, *Nephrolepis biserrata*, *Nerium*, *Oncidium papilio*, orchid, *Philodendron*, *Pinus*, *Pipturus*, potato, *Psidium guajava*, *Rubus hawaiiensis*, *Saccharum officinarum*, *Scindapsus aureus*, *Tetraplasandra*, *Thea*, *Tristellateia australasiae*, Zingiber

Pseudococcus lycopodii Beardsley

Pseudococcus lycopodii Beardsley, 1959b:44, 1971b:42

Distribution: Hawaii, Oahu

Host: *Lycopodium cernuum*

Pseudococcus mendiculus Ferris

Pseudococcus mendiculus Ferris in Zimmerman 1948:223; Beardsley 1971b:42

Distribution: Maui

Host: *Myrsine*

Pseudococcus montanus Ehrhorn

Pseudococcus montanus Ehrhorn, 1916:242; Zimmerman 1948:228;

- Swezey 1954:33; Beardsley 1959b:47, 1971:42
 Distribution: Hawaii, Oahu
 Hosts: *Astelia veratroides*, *Freycinetia*, *F. arborea*
- Pseudococcus nudus* Ferris
Pseudococcus nudus Ferris in Zimmerman 1948:235, 1957:197;
 Beardsley 1971b:42
 Distribution: Hawaii, Maui
 Hosts: *Dubautia*, *D. arborea*, *Styphelia tameiameia*, *Vaccinium*
- Pseudococcus obscurus* Essig
Pseudococcus obscurus Essig 1909a:43; Beardsley 1963a:229, 1965:2;
 Chong 1965:12; CPPR 1977:573
Pseudococcus maritimus (Ehrhorn): Zimmerman 1948:222, 1957:197;
 Beardsley 1960:230 (misidentification)
 Distribution: Hawaii, Kauai, Maui, Oahu
 Hosts: *Acalypha*, *Aglaonema*, *Alpinia purpurata*, *Canna*, *Carica papaya*,
Crossandra, *Dieffenbachia*, *Erythrina*, *Euphorbia pulcherrima*, *Gardenia*,
 ginger flower, *Gladiolus*, *Helichrysum*, *Holmskioldia sanguinea*,
Ixora, *Ligularia tussilaginea*, *Litchi chinensis*, *Myrica faya*, orchid,
Passiflora edulis, *Pittosporum undulatum*, *Samanea saman*, *Solanum melongena*,
Strongylodon, *Vanda*
- Pseudococcus picturicolus* Beardsley
Pseudococcus dorsispinosus Beardsley, 1959b:40
Pseudococcus picturicolus Beardsley, 1963a:230, 1971b:42
 Distribution: Oahu
 Host: *Pipturus*
- Pseudococcus Swezeyi* Ehrhorn
Pseudococcus swezeyi Ehrhorn, 1916:237,240; Zimmerman 1948:244;
 Swezey 1954:18; Beardsley 1971b:42
 Distribution: Kauai, Maui, Oahu
 Hosts: *Acacia koa*, *Dianella odorata*
- Pseudococcus syzygii* Beardsley
Pseudococcus syzygii Beardsley, 1959b:48, 1971b:42
 Distribution: Oahu
 Host: *Eugenia sandwicensis*
- Pseudotrionymus multiductus* (Beardsley)
Trionymus multiductus Beardsley, 1959b:48
Pseudotrionymus multiductus (Beardsley) 1971b:42, 44
 Distribution: Oahu
 Host: *Eugenia sandwicensis*
- Pseudotrionymus refertus* (Ferris)
Trionymus refertus Ferris in Zimmerman 1948:261; Beardsley 1960:241
Pseudotrionymus refertus (Ferris): Beardsley 1971b:42, 44
 Distribution: Kauai, Oahu
 Host: *Eugenia sandwicensis*
- Rhizoeus amorphophalli* Betram
Rhizoeus amorphophalli Betram, 1940:267; Hambleton 1979:62
Rhizoeus advenus Beardsley, 1966b:152

- Distribution: Oahu
Host: *Cordyline terminalis*
- Rhizoecus caladii* Green
Rhizoecus caladii Green, 1933:53; CPPR 1980:17
Distribution: Hawaii
Host: *Dieffenbachia*
- Rhizoecus hawaiiensis* (Hambleton)
Radicoccus hawaiiensis Hambleton, 1946:48; Zimmerman 1948:158
Rhizoecus hawaiiensis (Hambleton): Beardsley 1966b:152; Nakahara 1969:280
Distribution: Hawaii, Oahu
Hosts: *Ambrosia artemisiaefolia*, *Bidens pilosa*, *Coleus*, *Commelina*, *Iresine herbstii*, leaf litter, *Peperomia leptostachya*, *Plantago*, *Portulaca*, *Sonchus oleraceus*
- Saccharicoccus sacchari* (Cockerell)
Dactylopius sacchari Cockerell, 1895n:195
Trionymus sacchari (Cockerell): Zimmerman 1948:266
Saccharicoccus sacchari (Cockerell): Beardsley 1960:236
Distribution: Hawaii, Kauai, Maui, Molokai, Oahu
Hosts: grass, *Saccharum*, *S. officinarum*, *Sorghum halepense*, *S. vulgare*
- Tomentocera haleakala* Beardsley
Tomentocera haleakala Beardsley, 1964a:365, 1971b:43
Distribution: Maui
Host: *Coprosma monticola*
- Trionymus insularis* Ehrhorn
Trionymus insularis Ehrhorn, 1916:244; Zimmerman 1948:257; Swezey 1954:102; Beardsley 1971b:43
Distribution: Hawaii, Kauai, Maui, Oahu
Hosts: *Cynodon dactylon*, *Deschampsia australis*, *Eragrostis*, *E. variabilis*, *Panicum torridum*, *Paspalum conjugatum*, *Setaria verticillata*
- Tympanococcus tympanistus* (Ferris)
Pseudococcus tympanistus Ferris in Zimmerman 1948:245
Tympanococcus tympanistus (Ferris): Beardsley 1971b:43, 57
Distribution: Hawaii, Maui
Host: *Metrosideros polymorpha*

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