

CLASSIFICATION

SUBORDER AUCHENORRHYNCHA

The primary source for most of the Auchenorrhyncha is a monumental series of world catalogues compiled and published over a number of years by Z. P. Metcalf and generally entitled "A **General Catalogue of the Homoptera**".

Superfamily CICADOIDEA

CICADIDAE

Duffels, J.P., and P.A. Van Der Laan. 1985. **Catalogue of the Cicadoidea (Homoptera, Auchenorrhyncha) 1956-1980**. Dr. W. Junk Publishers. Dordrecht. 414 pp.

Cicadinae: *Beameria, Cacama, Cicada, Cornuplura, Diceroprocta, Fidicina, Neocicada, Odopoea, Pacarina, Quesada, Zammara.*

Platypediinae: *Neoplatypedia, Platypediinae.*

Tettigadinae: *Tettigades.*

Tibicininae: *Cicadetta, Clidophleps, Herrera, Magicicada, Melampsalta, Okanagana, Okanagodes, Tibicen, Tibicinoides.*

Superfamily CERCOPOIDEA

CERCOPIDAE

The North American species of the Cercopidae are sometimes divided into three families corresponding to the subfamilies as listed here. Following the conservative path the Cercoidae are treated as a single family.

Aphrophorinae: *Aphrophora, Lepyronia, Neophilaenus, Paraphilaenus, Philaenarcys, Philaenus, Philaronia.*

Cercopinae: *Prosapia.*

Clastopterinae: *Clastoptera.*

Superfamily CICADELLOIDEA

AETALIONIDAE

Aetalion, Microcentrus.

MEMBRACIDAE

The Membracidae are based on; Metcalf, Z.P., and V. Wade. 1965. **General Catalogue of the Homoptera. A Supplement to Fascicle I - Membracidae of the General Catalogue of the Hemiptera**. In Two Volumes. Baltimore. Waverly Press. Section 1, pp. 1-585, Section 2, pp. 587-919.

Centrotinae: *Centrodontus, Dontonodus, Gargara, Tylocentrus, Umbonia.*

Hoplophorioninae: *Platycotis.*

Darniinae: *Stictopelta.*

Smilliinae: *Acutalis, Amastris, Anisostylus, Antianthe, Aphetea, Archasia, Atymna, Bajulata, Bryantopsis, Carynota, Ceresa, Cyrtolobus, Entylia, Evashmeadea, Glossonotus, Grandolobus, Hadrophallus, Heliria, Helonica, Idioderma, Ilithucia, Micrutalis, Ophiderma, Palonica, Parantoniae, Platycentrus, Polyglypta, Publilia, Smilia, Spissistilus, Stictocephala, Stictolobus, Telamona, Telamonanthe, Telonaca, Thelia, Tortistilus, Trachytalis, Trichaetipyga, Tropidarnis, Vanduzea, Vestistilus, Xantholobus.*

Membracinae: *Bolbonota*, *Campylenchia*, *Enchenopa*, *Hypsoprora*, *Leioscyta*, *Membracis*, *Multareis*, *Multareoides*, *Philya*, *Scalmophorus*, *Tylopelta*.

CICADELLIDAE

Oman, P.W., Knight, W.J., and M.W. Nielson. 1990. **Leafhoppers (Cicadellidae): A Bibliography, Generic Check-List and Index to the World Literature 1956-1985.** CAB International. Wallingford. 368 pp.

Agalliinae: *Aceratagallia*, *Agalliopsis*, *Agalliota*, *Ceratagallia*.

Aphrodinae: *Anoscopus*, *Aphrodes*, *Planaphrodes*, *Stroggylocephalus*.

Cicadelliinae: *Allogonia*, *Amblyscarta*, *Amphigonalia*, *Ankosus*, *Apogonalia*, *Aulacizes*, *Bathysmatophorus*, *Carsonus*, *Cicadella*, *Ciminius*, *Cuerna*, *Decua*, *Draeculacephala*, *Errhomus*, *Evacanthus*, *Friscanus*, *Graphocephala*, *Helochara*, *Homalodisca*, *Hortensia*, *Lystridea*, *Manzutus*, *Metascarta*, *Oncometopia*, *Pagaronia*, *Paraulacizes*, *Phera*, *Plesiommata*, *Sibovia*, *Thatuna*, *Tylozygus*, *Xyphon*.

Coelidiinae: *Harasupia*, *Jikradia*, *Tinobregmus*.

Deltocephalinae: *Acinopterus*, *Aflexia*, *Alapus*, *Allygianus*, *Allygiella*, *Allygus*, *Amblysellus*, *Amplicephalus*, *Aplanus*, *Aplanusiella*, *Arundanus*, *Ascius*, *Atanus*, *Athysanella*, *Athysanus*, *Auridius*, *Balclutha*, *Baldulus*, *Ballana*, *Bandara*, *Bonneynana*, *Boreotettix*, *Caladonus*, *Calanana*, *Calonia*, *Cantura*, *Cazenus*, *Cetexa*, *Chlorotettix*, *Cicadula*, *Cochlorhinus*, *Colladonus*, *Commellus*, *Cosmotettix*, *Coulinus*, *Crassana*, *Cribrus*, *Crumbana*, *Dalbulus*, *Daltonia*, *Danbara*, *Davisonia*, *Deltanus*, *Deltazotus*, *Deltella*, *Deltocephalus*, *Destria*, *Dicyphonia*, *Diplocolenus*, *Dixianus*, *Doleranus*, *Doliotettix*, *Doratura*, *Dorydiella*, *Drionia*, *Driotura*, *Elymana*, *Endria*, *Errastunus*, *Eulonus*, *Eusama*, *Euscelis*, *Eusora*, *Eutettix*, *Exitianus*, *Extrusanus*, *Fieberiella*, *Fitchana*, *Flexamia*, *Flexarida*, *Floridonus*, *Fridonus*, *Frigartus*, *Gillettiella*, *Giprus*, *Gloridonus*, *Graminella*, *Graphocraerus*, *Haldorus*, *Hardya*, *Hebecephalus*, *Hebexa*, *Hecalus*, *Hecullus*, *Huleria*, *Idiodonus*, *Japananus*, *Kansendria*, *Kinonia*, *Knullana*, *Laevicephalus*, *Latalus*, *Lemellus*, *Limbanus*, *Limotettix*, *Lonatura*, *Lycioides*, *Macrosteles*, *Memnonia*, *Mendozellus*, *Menosoma*, *Mesamia*, *Mexara*, *Mocuellus*, *Neoaliturus*, *Neodonus*, *Nephotettix*, *Nigridonus*, *Norvellina*, *Nurenus*, *Ollarianus*, *Omanana*, *Ophiola*, *Opsius*, *Orientus*, *Orocastus*, *Osbornellus*, *Paluda*, *Parabolocratus*, *Paramesus*, *Paraphlepsius*, *Pasadenus*, *Pasaremus*, *Pazu*, *Peconus*, *Pendarus*, *Penehuleria*, *Phlepsanus*, *Phlepsius*, *Pinumius*, *Planicephalus*, *Polyamia*, *Prescottia*, *Psammotettix*, *Reventazonia*, *Rosenus*, *Sanctanus*, *Scaphoideus*, *Scaphytopius*, *Sobara*, *Sorhoanus*, *Spangbergiella*, *Spartopyge*, *Spathanus*, *Stenometopiellus*, *Stirellus*, *Telusius*, *Texanus*, *Thamnotettix*, *Tideltellus*, *Tropicanus*, *Twiningia*, *Unoka*, *Zabrosa*.

Eupelicinae: *Attenuipyga*, *Dorycara*, *Neoslossonia*.

Gyponinae: *Acuera*, *Acusana*, *Dragonana*, *Gypona*, *Gyponana*, *Hamana*, *Marganana*, *Negosiana*, *Polana*, *Ponana*, *Prairiana*, *Rugosana*, *Scaris*.

Iassinae: *Momoria*, *Pachyopsis*, *Penestrangania*, *Strangania*.

Idiocerinae: *Balcanocerus*, *Idiocerus*, *Jamacerus*, *Rhytidodus*.

Koebeliinae: *Koebelia*.

Ledrinae: *Xerophloea*.

Macropsinae: *Macropsis*, *Oncopsis*, *Pediopsis*, *Pediopsoides*, *Reticopsis*.

Megophthalminae: *Brenda*, *Tiaja*.

Neocoelidiinae: *Neocoelidia*, *Neocoelidiana*.

Nioniinae: *Nionia*.

Penthimiinae: *Penthimia*.

Typhlocybinae: *Aguriahana*, *Alconeura*, *Alebra*, *Chlorita*, *Diceratalebra*, *Dikraneura*, *Dikrella*, *Empoasca*, *Erythroneura*, *Eupterella*, *Eupteryx*, *Eurhadina*, *Fagocyba*, *Forcipata*, *Henribautia*, *Hymetta*, *Idona*, *Joruma*, *Kidrella*, *Kunzeana*, *Kunzella*, *Mcateeana*, *Notus*, *Ossiannilssonola*, *Protalebrella*, *Rabela*, *Ribautiana*, *Solanasca*, *Trypanalebra*, *Typhlocyba*, *Typhlocybella*, *Zygina*.

Xestocephalinae: *Xestocephalus*.

Superfamily FULGOROIDEA

DELPHACIDAE

Acanthodelphax, Achorotile, Araeopus, Aschedelphax, Bakerella, Bostaera, Chilodelphax, Chloriona, Copicerus, Criomorphus, Delphacodes, Dicranotropis, Euidella, Eurysa, Harmalia, Isodelphax, Javesella, Kelisia, Kelisoidea, Keyflana, Kormus, Kusnezoviella, Laccocera, Liburnia, Liburniella, Macrotomella, Megamelanus, Megamelus, Neomegamelanus, Nothodelphax, Paradelphacodes, Pareuidella, Parkana, Penepissonotus, Pentagramma, Peregrinus, Phyllostinus, Pissonotus, Prokelisia, Ribautodelphax, Rotundifronta, Saccharosydne, Sogata, Stenocranus, Stobaera, Tumidagena, Unkanodes, Yukonodelphax.

CIXIDAE

Asotocixius, Bothriocera, Cixius, Microledrida, Monorachis, Myndus, Nymphocixia, Oecleus, Oliaronus, Oliarus, Pintalia, Platycixius, Stegocixius.

FULGORIDAE

Alphina, Amycle, Calyptoproctus, Cyroptus, Poblizia, Rhabdocephala, Scolopsella.

ACHILIDAE

Catonia, Eiptera, Juniperthia, Momar, Opsiplanon, Synecdoche, Uniptera, Xerbus.

DERBIDAE

Amalopota, Anotia, Apache, Cedusa, Cenchrea, Dysimia, Euklastus, Mula, Mysidia, Neocenchrea, Otiocerus, Patara, Persis, Phaciocephalus, Sayiana, Shellenius, Syntames.

DICTYOPHARIDAE

Acinaca, Aridia, Deserta, Loxophora, Mitrops, Nersia, Orgamara, Orgerius, Parorgerius, Phylloscelis, Rhynchomitra, Scolops, Ticida, Timodema, Timonidia, Yucanda.

TROPIDUCHIDAE

Monopsis, Neurotmeta, Pelitropis, Tangia.

KINNARIDAE

Oeclidius.

ISSIDAE

Acanalonia, Aphelonema, Asarcopus, Bruchomorpha, Caliscelis, Danepteryx, Dictydea, Dictyobia, Dictyonia, Dictyonissus, Dictyssa, Dictyssonina, Dytidea, Euthiscia, Fitchiella, Hysteropterum, Issus, Misodema, Neaethus, Osbornia, Papagona, Picumna, Thionia, Traxus, Tylanira, Ulixes.

FLATIDAE

Arnomenis, Antillormenis, Cyarda, Flatoides, Flatoidinus, Hesperophantia, Leptormenis, Melormenis, Metcalfa, Mitharnophantia, Ormenaria, Ormenis, Ormenoides, Pseudoflatoides.

SUBORDER STERNORRHYNCHA

Superfamily PSYLLOIDEA

The primary source of data for the Psylloidea is: Hodkinson, 1988, The Nearctic Psylloidea (Insecta: Homoptera): an annotated check list. *Journal of Natural History*, 22:1179-1243. The family and subfamily classification of the Psylloidea does not seem to be generally agreed upon by current workers. Therefore the family classification as given in the above reference is used, but with families arranged alphabetically.

APHALARIDAE

Aphalara, Aphalaroida, Blastopsylla, Craspedolepta, Ctenarytaina, Gyropsylla, Katacephala, Leurolophus, Limataphalara, Livia, Neophyllura, Paraphalaroida, Psyllopsis, Vailakiella.

CALOPHYIDAE

Calophya.

HOMOTOMIDAE*Homotoma.***PSYLLIDAE***Acizzia, Amorphicola, Arytaina, Arytainilla, Cacopsylla, Ceanothia, Euglyptoneura, Euphalerus, Heteropsylla, Nyctiphalerus, Pachypsylla, Pexopsylla, Psylla, Purshivora, Spanioneura, Tetragonocephala.***TRIOZIDAE***Ceropsylla, Choricymoza, Hemitrioza, Kuwayama, Leuronota, Levidea, Metatrioza, Neotriozella, Paratrioza, Rhinopsylla, Trioza.***Superfamily APHIDOIDEA****ALEYRODIDAE****Aleurodicinae:** *Aleurodicus, Paraleyrodes.***Aleyrodinae:** *Aleurocanthus, Aleurochiton, Aleurocybotus, Aleuroglandulus, Aleurolobus, Aleuroparadoxus, Aleuropatus, Aleuropleurocelus, Aleurothrixus, Aleurotithius, Aleurotulus, Aleyrodes, Bemisia, Crenidorsum, Dialeurodes, Paraleurolobus, Pealius, Tetraleurodes, Trialeurodes.***APHIDIDAE**

The main source for data entry is: Smith, C.F., and C.S. Parron. 1978. **An Annotated List of Aphididae (Homoptera) of North America.** North Carolina Agricultural Experiment Station Technical Bulletin no. 255. 428 pp. The classification of the Aphididae is based on; Fottit, R.G. and W.R. Richards. 1993. **The Insects and Arachnids of Canada. Part 22. The Genera of the Aphids of Canada. Homoptera: Aphidoidea and Phylloxeroidea.** Agriculture Canada. Ottawa. 766 pp. The family Aphididae is split into a number of families in this publication. Each of the families in the above publication is treated as a subfamily in this classification to retain the conservative treatment of the Aphididae. Not all North American genera have been placed to subfamily in this classification.

Mindarinae: *Mindarus.***Hormaphidinae:** *Atarsaphis, Cerataphis, Hamamelistes, Hormaphis.***Phloeomyzinae:** *Phloeomyzus.***Thelexinae:** *Glyphina, Thelaxes.***Anoeciidae:** *Anoecia.***Pemphiginae:** *Colopha, Cornaphis, Eriosoma, Forda, Geoica, Geopemphigus, Grylloprociphilus, Kaltenbachiella, Melaphis, Meliarhizophagus, Mordvilkoja, Neoprociphilus, Pachypappa, Pemphigus, Prociphilus, Smynthurodes, Stagona, Tetraneura, Thecabius, Tiliphagus.***Drepanosiphinae:** *Appendiseta, Atheroides, Betulaphis, Boernerina, Callaphis, Callipterinella, Cepegillettea, Chaitophorus, Chromaphis, Ctenocallis, Diphylaphis, Drepanaphis, Drepanosiphum, Eucallipterus, Euceraphis, Hoplochaitophorus, Iziphya, Lachnochaitophorus, Monellia, Monelliopsis, Myzocallis, Neosmydobiuss, Oestlundia, Periphyllus, Phyllaphis, Protopterocallis, Pterocallis, Saltusaphis, Sipa, Stegophylla, Subiziphya, Subsaltusaphis, Symydobius, Takecallis, Tamalia, Therioaphis, Thripsaphis, Tinocallis, Tuberculatus.***Aphidinae:** *Acuticauda, Acyrthosiphon, Alphitoaphis, Amphicercidus, Amphorophora, Aphis, Aphthargelia, Artemisaphis, Asiphonaphis, Aspidaphis, Aspidaphium, Atarsos, Aulacorthum, Bipersona, Brachycaudus, Brachycolus, Brevicoryne, Brachycorynella, Brachyunguis, Braggia, Cachryphora, Calaphis, Capitophorus, Carolinaia, Catamergus, Cavariella, Cedopaphis, Ceruraphis, Chaetosiphon, Coloradoa, Cryptaphis, Cryptomyzus, Decorosiphon, Diuraphis, Dysaphis, Elatobium, Eoessigia, Eomacrosiphon, Epameibaphis, Ericaphis, Fimbriaphis, Flabellomicrosiphum, Fullawaya, Glendenningia, Gypsoaphis, Hayhurstia, Hyadaphis, Hyalomyzus, Hyalopteroides, Hyalopterus, Hyperomyzus, Hysteroneura, Idiopterus, Illinoia, Jacksonia, Landisaphis, Linosiphon, Liosomaphis, Lipamyzodes, Lipaphis, Longicaudus, Macrosiphoniella, Macrosiphum, Mastopoda, Megouroparsus, Melanaphis, Microlophium, Microparsus, Microsiphoniella, Misturaphis, Muscaphis, Myzaphis, Myzodium, Myzus,***HOMOPTERA: CLASSIFICATION**

Nasonovia, Nearctaphis, Neoamphorophora, Neotoxoptera, Obtusicauda, Ovatus, Paducia, Papulaphis, Phorodon, Placoaphis, Pleotrichophorus, Pseudacaudella, Pseudocercidis, Pseudoepameibaphis, Pseudopterocomma, Pseudosiphonaphis, Pterocomma, Rhodobium, Rhopalomyzus, Rhopalosiphoninus, Rhopalosiphum, Sanbornia, Schizaphis, Siphonatrophia, Subacyrtosiphon, Toxoptera, Uroleucon, Utamphorophora, Vesiculaphis, Wahlgreniella, Xerophilaphis, Zyxaphis.

Lachninae: *Cinara, Eulachnus, Essigella, Lachnus, Longistigma, Maculolachnus, Schizolachnus, Trama, Tuberolachnus.*

Not placed to subfamily in database: *Aloephagus, Anthracosiphon, Anuraphis, Brachysiphum, Byrsocryptoides, Clydesmithia, Delphiniobium, Deurocapillata, Euthoracaphis, Iowana, Macchatiella, Megoura, Megourina, Melanocallis, Nevadaphis, Paracolopha, Patchia, Pentalonina, Pentamyzus, Picturaphis, Pseudoregma, Sarucallis, Schizoneurata, Schoutedenia, Semiaphis, Titanosiphon.*

PHYLLOXERIDAE

Pergande, T. 1904. North American Phylloxerinae affecting Hicoria (Carya) and other trees. *Proceedings of the Davenport Academy of Sciences*, 9:185-273.
Daktulosphaira, Phylloxera.

ADELGIDAE

Adelges, Pineus.

Superfamily COCCOIDEA

MARGARODIDAE

Crypticerya, Desmococcus, Dimargarodes, Heteromargarodes, Icerya, Kuwania, Margarodes, Matuscoccus, Neosteingelia, Pityococcus, Porphyrophora, Promargarodes, Steatococcus, Xyloccoculus.

ORTHEZIIDAE

Arctorthezia, Newsteadia, Nipponorthezia, Orthezia.

TACHARDIIDAE

Tachardiella.

COCCIDAE

Ben-Dov, Y. 1993. **A Systematic Catalogue of the Soft Scale Insects of the World (Homoptera: Coccoidea: Coccidae) with Data on Geographical Distribution, Host Plants and Economic Importance.** Sandhill Crane Press, Inc. Gainesville. 536 pp.
Ceroplastes, Ceroplastodes, Coccus, Eriopeltis, Eucalymnatus, Eulecanium, Exaeretopus, Inglisia, Kilifia, Lecanopsis, Luzulaspis, Mesolecanium, Metapulvinaria, Milviscutulus, Neolecanium, Neopulvinaria, Parasaissetia, Parthenolecanium, Philephedra, Physokermes, Protapulvinaria, Pseudokermes, Pseudophilippia, Pulvinaria, Saissetia, Toumeyella, Vinsonia.

ACLERDIDAE

Aclerda.

KERMESIDAE

Allokermes, Eriokermes, Kermes, Nanokermes, Olliffiella.

ASTEROLECANIIDAE

Asterolecanium, Mycetococcus, Pollinia, Sclerosococcus.

LECANODIASPIDIDAE

Lecanodiaspis.

CEROCOCCIDAE

Cerococcus.

DACTYLOPIIDAE

Dactylopius.

DIASPIDIDAE

Primary data entry from: Borchsenius, N.S. 1966. **A Catalogue of the Armoured Scale Insects (Diaspididae) of the World.** Moscow. Nauka. 449 pp. and Nakahara, S. 1982. **Checklist of the armored scales (Homoptera: Diaspididae) of the conterminous United States.** 110 pp.
Abgrallaspis, Acutaspis, Anceaspis, Andaspis, Annulaspis, Aonidia, Aonidiella, Aonidomytilus, Aspidaspis, Aspidiella, Aspidiotus, Aulacaspis, Carulaspis, Chionaspis, Chortinaspis, Chrysomphalus, Circulaspis, Clavaspis, Comstockiella, Crassaspis, Crenulaspidotus, Cupidaspis, Dactylaspis, Diaspidiotus, Diaspis, Dicirculaspis, Duplaspidotus, Dynaspidotus, Epidiaspis, Exuviaspis, Ferrisidea, Fiorinia, Fissuraspis, Furcaspis, Furchadaspis, Genaparlatoria, Geodiaspis, Gymnaspis, Haliaspis, Hemiberlesia, Hemigymnaspis, Howardia, Ischnaspis, Kuwanaspis, Lapazia, Lepidosaphes, Leucaspis, Lindingaspis, Lopholeucaspis, Melanaspis, Morganella, Mycetaspis, Nelaspis, Neopinnaspis, Nicholiella, Niveaspis, Nuculaspis, Odonaspis, Opuntiaspis, Palinaspis, Pallulaspis, Paracupidaspis, Parlatoreopsis, Parlatoria, Pelliculaspis, Pinnaspis, Poliaspis, Praecocaspis, Protodiaspis, Pseudaonidia, Pseudaulacaspis, Pseudischnaspis, Pseudodiaspis, Pseudoparlatoria, Quadraspidiotus, Quernaspis, Radionaspis, Rhizaspidotus, Rugaspidotus, Selenaspis, Situlaspis, Stramenaspis, Targionia, Unaspis, Velataspis, Xeropilaspis.

CONCHASPIDIDAE

Asceloconchaspis, Conchaspis.

PHOENICOCOCCIDAE

Phoenicococcus.

PSEUDOCOCCIDAE

This family is based on: Ben-Dov, Y. 1994. **A Systematic Catalogue of the Mealybugs of the World (Insecta: Homoptera: Coccoidea: Pseudococcidae and Putoidae) with Data on Geographical Distribution, Host Plants, Biology and Economic Importance.** Intercept Ltd. Andover. 686 pp. Although the author includes Putoidae in the title of the work, he does not accept the family concept in the body of the text.

Amonostherium, Anisococcus, Anthelococcus, Antonina, Antoninoides, Balanococcus, Brevennia, Cataenococcus, Chnaurococcus, Chorzococcus, Circaputo, Crisicoccus, Cryptoripersia, Cucullococcus, Discococcus, Distichlicoccus, Dymmicoccus, Ehrhornia, Eurycoccus, Ferrisia, Geococcus, Heliococcus, Heterococcus, Humococcus, Hypogeococcus, Misericoccus, Nipaecoccus, Oracella, Paludicoccus, Paracoccus, Paradoxococcus, Peliococcus, Phenacoccus, Planococcus, Plotococcus, Pseudantonina, Pseudococcus, Puto, Pygmaeococcus, Radicoccus, Rhizoecus, Ripersia, Scaptococcus, Spilococcus, Stenmatomerinx, Syrmococcus, Tridiscus, Trionymus, Vryburgia.

ERIOCOCCIDAE

Hoy, J.M. 1963. **A Catalogue of the Eriococcidae (Homoptera: Coccoidea) of the World.** New Zealand Department of Scientific and Industrial Research. Bulletin 150. 260 pp.
Acanthococcus, Apezococcus, Atriplicia, Cornoculus, Cryptococcus, Gossyparia, Hypericococcus, Oregomopyga, Ovaticoccus, Spiroporococcus.