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ADDITIONS AND CORRECTIONS

to

An Annotated List of Generic Names of
the Scale Insects (Homoptera: Coccoidea)

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This publication contains additions and corrections to "An Annotated List of Generic Names of the Scale Insects (Homoptera: Coccoidea)" by Harold Morrison and Emily R. Morrison, published in October 1966. It extends through December 31, 1963, as did the Morrison and Morrison publication, and in addition includes citations to a 1965 paper by De Lotto, which has a crucial bearing on certain coccid generic names, and the 1966 diaspidid catalog of Borchsenius.

Morrison and Morrison treated names proposed by Amyot, 1847: 488–503, as uninominals and hence as invalid names without explaining their action. Neave listed the Amyot names without comment. Although inclusion in Neave's list does not imply validity of the names, their presence there has led some workers to question the correctness of the Morrison and Morrison conclusions.

It therefore seems relevant to note the following statement by Amyot, 1845: 369: "Ce qui doit le plus frapper au premier abord, dans cet ouvrage, est le mode de nomenclature que nous y avons adopté, sous le titre de Méthode mononymique, et qui consiste dans l'application d'un nom unique, donné à chaque espèce, au lieu de deux, le nom générique et le nom spécifique, comme cela se pratique dans la nomenclature en usage depuis Linné."

This system obviously does not meet the requirements of Article 11(c) of the International Code of Zoological Nomenclature. The matter was settled unequivocally by the International Commission in Opinion 686, 1963: 423, when Amyot's Méthode mononymique was placed on the Official Index of Rejected and Invalid Works in Zoological Nomenclature.

It is evident from their comments on Amyot names that Morrison and Morrison were not aware of Opinion 686.

A few Amyot coccid names were omitted by Morrison and Morrison. They are included in the present list for the sake of completeness, and notes or corrections are added under a few Amyot names included by Morrison and Morrison.

Morrison and Morrison usually cited the name of a type-species in its original combination but sometimes cited a later combination if one had been used by the describer of the genus. In the latter instances that I have recognized, I have added or substituted the original name combination of the type-species.
Entries in the present list are arranged by the page number of the original publication and are followed by the generic name under which the addition or correction appears. Generic names omitted from the original list are here included in alphabetical sequence following the page number and are marked "(new entry)."

Except for the references given at the end of this list, publications cited may be found in the coccid bibliographies of Morrison and Renk, 1957, and Morrison and Morrison, 1965.

I extend my appreciation to all persons who have informed me of omissions and errors in the 1966 publication and especially to Giovanni De Lotto, Plant Protection Research Institute, Pretoria, South Africa. I am also deeply indebted to Curtis W. Sabrosky, Systematic Entomology Laboratory, U.S. Department of Agriculture, for advice on nomenclatorial problems.
ADDITIONS AND CORRECTIONS

Page 2 Acontonidia: Change “triangularia” to “triangularis”

3 Acreagris: Insert “123,” before “pl.”

5 Albastaspis: Change “295” to “275”

5 Anamefiorinia: Change “casuariniae” to “casuarinae”

Anaparaputo: Change “1961” to “1962”

10 Anisococcus: Insert “21,” before “26.”

Anophococcus: Add after discussion “This synonymy was indicated by Hoy, 1962: 23, and 1963: 132-133. See discussion under Anothococcus Ferris.”

11 Anoplaspis Leonardi, 1898: After “(207)” add “nomen nudum; Leonardi, 1898, in Berlese and Leonardi, Riv. di Patol. Veg. (1897) 6: 131 [289].”

Antakaspis: Change “terminalis” to “terminaliae”

Antecerococcus: Change “punctiferus Green, 1900,” to “punctiferus Green, 1901,”

13 Aonidia: Change “43” to “42”

Aonidomytilus: Change “102.” to “102–103.”

16 Aspidaspis: Change “45;” to “45, nomen nudum;”

20 Aulacaspis: Change “1834” to “1833” and insert “C. L.” before “Scott”

Austrolichtensia: Change “Lecanidiaspis” to “Lecanodiaspis” and add after discussion of type-species “Fuller, 1897, first used the name ‘Lecanodiaspis (?kakearum’ for the species
that he later, 1899: 457, called ‘Lichstensia hakearum sp. n.’ In 1899: 458, he stated, ‘In my preliminary list this species is mentioned as a Lecaniodiaspis (?) ; . . . .’”

21 Balachowskiiella: Change “1956” to “1955”

24 Boisduvalia: Change “1822” to “1882”


26 Caelostoma: Change “Cockrell” to “Cockerell”

31 Cephalaspis: Add after discussion “Borchsenius, 1963: 1162, accepted the concept of Cephalaspis MacGillivray and proposed Parainsulaspis to replace the preoccupied name. See discussion under Parainsulaspis.”

Cercococcus: Insert “H.” before “Scott”

32 Ceroplastes: Change “chilensis Gray, 1827,” to “janeirensis Gray, 1828,”


37 Chnaurococcus: Insert “22,” before “40”

Chortinaspis: Change “46,” to “45–46,”

40 Coccinella: Insert after second sentence of discussion “Gmelin did not include a species name under Coccinella.”


Amyot wrote “Coccus ou Coccinilla” and included the species name “cacti Linn.”
Cocconidia: Change “1758” to “1767” and add after discussion “Under Cocconidia Amyot included the species name ‘adonidum’ Linnaeus. The latter name stood for the mealybug that has been known erroneously as Pseudococcus adonidum (Linnaeus, 1758 or 1767). De Lotto. 1965: 226–228, has shown that there is no Coccus adonidum Linnaeus, 1758, that Coccus adonidum Linnaeus, 1767, is not a scale insect, and that Pseudococcus adonidum auct. is Pseudococcus longispinus (Targioni-Tozzetti, 1867).”

Coccopea: Change “uninomial” to “uninnominial” and “1761” to “1758” Insert after first sentence of discussion “In 1758 phalaridis was validated by bibliographic reference to the 1746 Fauna Suecica where the species was described as completely as in 1761.”


Amyot proposed this name for Coccus psidii Chavannes, thus apparently publishing the name before the description of psidii appeared in the 1848 Chavannes publication.

Cockerellella: Change “p. 71.” to “pp. 71, 75.”


A lapsus for Constockiella Cockerell.


Type-species: Lepidosaphes afganensis Borchsenius, 1962, by original designation and monotypy.

The author indicated a close relationship between this genus and Lepidosaphes Shimer and Euconusaspis Borchsenius.

Cornoculus: Insert “78,” before “81” and change type-species to read “Cornoculus cornutus” Ferris, 1955, by monotypy; Cornoculus oculatus Ferris, 1955, by original designation, nomen nudum.” Insert before discussion “Ferris designated the type-species of this genus as ‘Cornoculus oculatus, new species; the only included species.’ However, he described the only included species under the name C. cornutus, and did not mention oculatus again.”
Page 47

Crisicoccus: Insert "22," before "45"

Cryptophyllaspis: Insert as first reference "1897, in Leonardi, Riv. di Patol. Veg. 5: 375;"

Cyphoma: Change "Cyphoma characias" to "Orthezia characias" and delete brackets.

Cystococcus: Insert as second reference "(1897, Separate, Notes on Coccidae, p. 11)." and change "1902g" to "1902h"

An alternate spelling for Cisticoccus A. Costa.

Dactylopius: Change "1758" to "1767" and add after discussion "De Lotto, 1965: 226-228, has shown that there is no Coccus adonidum Linnaeus, 1758, that Coccus adonidum Linnaeus, 1767, is not a scale insect, and that Pseudococcus adonidum auct. is Pseudococcus longispinus (Targioni-Tozzetti, 1867). Since it is recognized that Coccus adonidum Linnaeus, 1767, the possible type-species of Dactylopius, was misidentified, it is most urgent that this case be submitted to the International Commission."

Delococcus: Change "Formicoccus" to "Formicococcus"

Diaprosteci: Change "1758" to "1767" and add after discussion "De Lotto, 1965: 226-228, has shown that there is no Coccus adonidum Linnaeus, 1758, that Coccus adonidum Linnaeus, 1767, is not a scale insect, and that Pseudococcus adonidum auct. is Pseudococcus longispinus (Targioni-Tozzetti, 1867). Since the type-species was misidentified, the case should be referred to the International Commission."

Diaspidistus: Change to "Diaspidistis"

Diaspis: Change "echinocactus" to "echinocacti"

Dorthesia: Change type-species to read "Orthezia characias Bosc d'Antic, 1784, by monotypy, = Aphis urticae Linnaeus, 1767. " and change "Coccus urticae Linnaeus." to "Orthezia urticae (Linnaeus)."
Dorthezia (new entry) Signoret, 1869, Soc. Ent. de France Ann. (ser. 4) 8: 833.

Apparently a lapsus for Dorthesia since it appeared twice against seven spellings of Dorthesia in Signoret, 1868–77. See discussion under Dorthesia.

65 Dynaspidiotus: Change “131,” to “131–132.”

66 Emmereziaspis: Change “allaudi de Charmoy” to “allauindi Grandpré and Charmoy”


Typespecies: (Mylilaspis machili Maskell, 1898) = Aspidiotus pinnaciformis Boučké, 1871, currently Eucornuaspis pinnaciformis (Boučké), by original designation.

Borchsenius, 1966: 58, synonymized machili with pinnaciformis. He indicated a close relationship between this genus and Comuaspis Borchsenius.

73 Eulepidosaphes: Change “384” to “364”

74 Euparlatoria: Change “Parlatoria oleae” to “Diaspis oleae”

77 Fernaldiella: Change first sentence of discussion to read “Leonardi presented this spelling in his generic key (p. 4) and in a list of species (p. 112); other (3) references in his paper were to Fernaldella.”

78 Ferrisiana: Insert “Type-species: Dactylopis virgatus Cock-erell, 1893, by substitution of Ferrisiana for Ferrisia Fullaway.”


A lapsus for Froggatiella Leonardii.


84 Genistaspis: Change “zelihiae” to “zelihae”


Gossyparia: Change “Coccus spurius Modeer, 1778,” to “Gossyparia spuria (Modeer, 1778).”
86 **Greenacoccus**: Insert “Type-species: *Monophlebus stebbingii* Stebbing, 1902, by substitution of *Greenacoccus* for *Greeniella* MacGillivray.”

87 **Greeniella** (non Cockerell, 1897): Change “75, 474.” to “459.” Insert after first sentence of discussion “*Greeniella* appeared on pp. 70 and 459. The spelling *Greenella* appeared on p. 75, where the type was designated, and on p. 474, where the name was changed to *Greenacoccus*.”

88 **Greenoripersia**: Change “1921” to “1929”

**Guerinia**: Change “39” to “31”

**Guerinococcus**: Insert “Type-species: *Guerinia tinctoria* Targioni-Tozzetti, 1868, believed to be the same as *Coccus serratulae* Fabricius, 1775, by substitution of *Guerinococcus* for *Guerinia* Targioni-Tozzetti.”

89 **Haliaspis** (new entry) Takagi, 1963, Insecta Matsumurana 26: 118.

TYPE-SPECIES: *Chionaspis sportinae* Comstock, 1883. by original designation.

This genus was established to receive three North American species formerly placed in *Duplachionaspis* MacGillivray.

90 **Hemiaspidis**: Change “*Hemaspidus*” to “*Hemaspidis*”

91 **Hemiberlesiella**: Delete brackets.

92 **Hemilecanium**: Insert after first sentence of discussion “Green, 1910: 6-7, indicated that *theobromae* was a synonym of *imbricans*.”

96 **Inciaspis**: Delete “311,” and add after discussion “The spelling *Inciaspis* appeared on p. 311 where the type-species was designated.”

99 **Kermesoides**: Insert “1869,” after “*Targonia nigra* Signoret,”

103 **Lakshadia**: Change “*Tachardia lacca* (Kerr), by substitution.” to “*Coccus lacca* Kerr, currently *Laccifer lacca* (Kerr).”

**Lattaspidotus**: Insert “394,” before “457–458” and change “de Charmoy,” to “Grandpré and Charmoy,”

A lapsus for Lecanodiaspis Targioni-Tozzetti. The species involved, L. dugesi, is currently placed in Ceroplastodes Cockerell.

111 Liucoccus: Change "Liuococcus grbhorniodes" to "Liucoccus grbhornioides"

Longisomus: Insert "nomen nudum," before "by monotypy."

Lophococcus: Change "1902" to "1901"

112 Luzulaspis: Insert "?" after "Aspidiotus"

Lyra on: Change "46:" to "46, nomen nudum;" and add after discuss on "Le,page, 1939: 313, stated that in 1939 Ferris (personal communication) informed him that Lyra on was a syn onym of XirIoas Pis MacGillivray."


114 Mallophora: Change "1896," to "1897,"

115 Marchaliella: Change "Monophlebus helenicus Gemadus, 1883," to "Chionaspis lepineyi Balachowsky, 1928;"

Marlattaspis: Change "monotypy," to "monotypy, = Aspidiotus lataniae Signoret, 1869." Change "Signoret," to "(Signoret )."

116 Maskellia: Insert as second and fourth references "(1897, Misc. Pub. 177: 1–2); (1897, Separate, Notes on Coccidae, p. 5)."


A lapsus or emendation for Maskelliella Leonardi. See discussion under Maskelliella.

122 Mixorthezia: Change "1926" to "1925"

123 Moluscoceoccus: Change to "Molluscococcus"

125 Murataspis: Change "megaporus Balachowsky" to "megapor Balachowsky, 1928;"
Mycococcus: Change "copenicae" to "coperniciae"

Mytilaspis: Change "1798" to "1789"

Mytilella: Insert "4," before "20"

Najococcus: Change "Lindinger" to "Green"

Natalaspis: Insert "unnamed" before "var."

Neogreenia: Insert before discussion "The name Paragreenia appeared on p. 78 where the type-species was designated."

Neopulvinaria: Change "imerlina" to "imeretma"

Nuculaspin: Insert "75," after "45,"

Odonaspis: Change "284" to "284-286"

Oneropyga: Insert "78," before "208"

Ourococcus: Insert "Separate," before "Notes"

Parafairmairia: Change "1876" to "1872"


Type-species: Mytilaspis cocculi Green, 1896, through substitution of Parainsulaspis for Cephalaspis MacGillivray.

Borchsenius erroneously designated Lepidosaphes laterochitinosa Green, 1925, as the type-species. The describer proposed this name as a replacement for Cephalaspis MacGillivray, 1921, a name preoccupied in Pisces. He included Mytilaspis cocculi Green, 1896, the type-species of Cephalaspis MacGillivray, in Parainsulaspis but designated Lepidosaphes laterochitinosa as the type of his genus, a species not included in Cephalaspis. Under the provisions of Article 67(1) of the International Code of Zoological Nomenclature, cocculi Green becomes the type-species of Parainsulaspis. Borchsenius indicated a close relationship between this genus and Para-lepidosaphes Borchsenius and Insulaspis Mamet.

Paraonidea: Change "394" to "454"

Parasaissetia: Change type-species to read "Lecanium nigrum Nietner, 1861, currently Saissetia nigra (Nietner)."

Paraselenaspidus: Change "1953" to "1954"
Pelomphala: Change “292” to “392”

Phaulaspis: Change “284” to “284–286”

Phenacaspis: Change “38” to “48”


A lapsus or emendation for Pinnaspis Cockerell.


Type-Species: Lepidosaphes pseudotsugae Takahashi, 1957, by original designation and monotypy.

The describer indicated a close relationship between this genus and Eucornuaspis Borchsenius and Cornimytilus Borchsenius.


Type-Species: Lepidosaphes pistaciae Ar hangeiskaya, 1930, by original designation.

The describer indicated a close relationship between this genus and Lepidosaphes Shimer.

Planococcoides: Change “Laing, 1956” to “Laing, 1929”

Planococcus: Change type-species to read “Dorthesia citri Risso, 1813”, as interpreted by Ferris, 1950, by original designation.

Porphyrophora: Change “1883” to “1833”

Protargonia (new entry) Ferris, 1937, Microentomology 2: 106.

A lapsus for Partargonia MacGillivray.


A lapsus for Pseudaonidia Cockerell.

Pseudaulacaspis: Change “Aulacaspis” to “Diaspis”
Pseudococcus: Change type-species to read "Dactylopius longispinus Targioni-Tozzetti, 1867, by subsequent designation of Fernald, 1903b: 96." Add after discussion "De Lotto, 1965: 226-228, has shown that Coccus adonidum Linnaeus, 1767, is not a scale insect, and that Pseudococcus adonidum auct. is Pseudococcus longispinus (Targioni-Tozzetti, 1867)."

Pterolecanium: Change "48" to "47-48" and insert "(Eulecanium)" before "pulchrum"

Pulvinariella: Change "1830" to "1829"

Pulvinella: Insert "(Pulvinella)" before "pulchella" and "J. P." before "da Fonseca"

Radiaspis: Insert as first reference "1938, Microentomology 3: 45, 75, nomen nudum;"

Rhodococcus: Change "rosaelutea" to "rosaeluteae"

Ripersiella: Insert "in Cockerell," before "1899"

Saccharicoccus: Change "1893" to "1895"

Sakaramyaspis: Change "Mamet, 1953," to "Mamet, 1954;"

Sasakiaspis: Change "1885" to "1886"

Schizentaspidus: Change "Schizentapidus" to "Schizentaspis"

Schizochlamys: Change "1900" to "1899"

Selenaspidus: Delete brackets.

Signoretia: Change "Stål, 1869" to "Targioni-Tozzetti, 1868" and add "by monotypy" after "1864"


Solenophora: Change "Maskell, 1899," to "Maskell, 1890,"
LIST OF GENERIC NAMES OF THE SCALE INSECTS


186 Sphaerococcopsis: Change "Sphaerococcopsis inflatipes" to "Sphaerococcus inflatipes"


190 Suturaspis: Change "268" to "262-263"

Symeria: Change "Lepidosaphes epiphytidis (Maskell)" to "Mytilaspis epiphytidis Maskell"

191 Tachardia: Insert "R." before "Blanchard"

192 Talla: Change type-species to read "Lecanium quercus Réaumur (‘gallinsecte en forme de rein,’ Réaumur, 1738: 79) of von Heyden, 1860 = Coccus quercus Linnaeus, 1758, currently Kermes quercus (Linnaeus), by monotypy." Insert before discussion "This insect was named quercus by Linnaeus in 1758 when he referred to Réaumur’s figures of the ‘gallinsecte’ on oak."

193 Tecaspis: Change "umtalii" to "umtalii"

196 Tozzetia: Change to "Tozzettia"

197 Trachycoccus: Insert "78," before "215"

Trechocorys: Change "monotypy." to "monotypy, = Dactylopis longispinus Targioni-Tozzetti, 1867, through misidentification of Coccus adenidum Linnaeus, 1767." Add after discussion "De Lotto, 1965: 226-228, has shown that Coccus adenidum Linnaeus, 1767, is not a scale insect, and that Pseudococcus adenidum auct. is Pseudococcus longispinus (Targioni-Tozzetti, 1867). Since the type-species was misidentified, the case should be referred to the International Commission."