

**AN ANNOTATED CATALOGUE OF THE OTITIDAE (sens. lat.)
(DIPTERA) RECORDED FROM AUSTRALIA, INDONESIA AND
THE PACIFIC ISLANDS**

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1. INTRODUCTION

The aim of this catalogue is to provide a list of all the described species of Otitidae recorded from the area detailed below, together with all published taxonomic references to them. The catalogue includes all species described up to the end of 1964, and every reference mentioned has been read by the author.

Although it is well over 100 years since the first species were described from the area, confusion of genera, species, and their respective distributions still exists. The vast taxonomic literature on the family is scattered both in time, and in a wide range of publications, and is in a variety of European languages; few collections of otitid material in institutions have received modern taxonomic study; and some types of genera and species were described, at the time, in a few lines sufficient for their validation, but wholly inadequate for recognition purposes. Where such genera and species occur in this catalogue, a note at the end of each points out the difficulties encountered and directs attention to the most fruitful lines to be followed in order to clear up doubts. As would be expected with small insects, practically every large collection of the family contains undescribed species.

The selected area corresponds with no accepted geographic region. It was chosen primarily because of the author's interest in the sub-family Platystominae which appears to have evolved in the area, and to which, most of its members are naturally confined. The area is extensive: on the west and east, it is bounded by the 90°E and 135°W meridians, respectively; its north and south limits are latitudes 30°N and 60°S. No part of mainland Asia is included; where such is referred to, it is because the distribution of certain species extends from adjacent land masses to the mainland. The land masses of the area are thus Australia and New Zealand, Indonesia, the Australian mandated territories of Papua and New Guinea, the Philippine Islands, and the numerous scattered islands of the western Pacific Ocean.

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2. SOURCES

This catalogue is based on the work of Hendel who, in several fascicles of *Genera Insectorum* (notably No. 157, Hendel, 1914a) and in his *Die Arten der Platystominen* (Hendel, 1914b), reviewed all the species of which he was aware up to that time. To these, I have added species overlooked by him, corrected names where these have later been shown to be in error, and have added species described since then chiefly by American and European workers to whom material was submitted for identification either by private persons or scientific expeditions. The results of several European scientific surveys have also been incorporated.

Comparison of Hendel's two texts referred to above shows that he intended publication of *Die Arten der Platystominen* to precede that of fascicle 157 of *Genera Insectorum*, since, in the former he described his new genera and species, and referred to them in the latter as already published. As it so happened, however, fascicle 157 of *Genera Insectorum* was published on 15th April, 1914 while *Die Arten der Platystominen* was not published until 15th June of the same year. This resulted in all of Hendel's new names in *Genera Insectorum* being *nomina nuda* which were not validated until the later publication of *Die Arten der Platystominen* (*Abh. zool-bot Ges. Wien* 8). The possibility of prior publication by others therefore exists. While this possibility is a remote one, it still should be borne in mind by anyone working on the family.

Hendel's work laid the foundation on which later taxonomists have built. His ability to find morphological characters for delimiting genera, and to make clear the relation of one genus to another, were gifts of a high order. He did, however, have occasional lapses, as, for example, in re-allocating some of the earlier workers' species to the genera he accepted. He seems, not infrequently, to have seen neither the types, nor specimens known to be conspecific with them, and the original descriptions, which he often quotes *verbatim*, were his only guide. These descriptions, written before modern concepts of generic and specific limits had been elaborated, were, all too frequently, insufficient for identification purposes. Such blemishes may possibly be attributed to the disturbed conditions prevailing in Europe at the time he was preparing his works for publication. While these doubtful species are here included as Hendel placed them, they should preferably be treated as "genus unknown", until their placement is either confirmed, or they can be placed in their correct genera by future workers.

To avoid repetition, citation of Hendel's two major works, in the body of the text, indicates that references to a genus or species published before 1914 will be found therein. *Die Arten der Platystominen* is abbreviated to Hendel 1914a and fascicle 157 of *Genera Insectorum* to Hendel 1914b.

The number following each corresponds with the pagination. This has enabled me to reduce references to works published just before 1914, too late to be included by him, and to those which have been published since.

Students of the Otitidae of Australia and New Guinea will find the series of papers by J. R. Malloch in *Proc. Linn. Soc. N.S.W.* essential. In addition to the genera and species from this area listed by Hendel, Malloch includes a considerable number of genera and species described by himself and others after 1914.

3. NOMENCLATURE

At the present time the nomenclature of the Otitidae is receiving new study. Hendel treated the group as a single family consisting of several subfamilies; the modern trend, as exemplified by Steyskal in the U.S.A., is to raise some, at least, of these to family status. To what extent this lead will be followed, the future alone can decide. In these circumstances, the author has retained the Hendelian system; in practice, this will cause no difficulties for workers in the group.

The sub-family, Platystominae (family Platystomatidae of Steyskal), with 423 described species, is the dominant one in the area, to which nearly all of these species are endemic. In addition, 19 species of other sub-families (Otitinae, 1; Ulidiinae, 18), have been recorded.

Of these 19 species, six are known to be introductions, and some degree of doubt attaches to the remainder. The position is further confused by misidentifications through which species not occurring in the area have been recorded as so doing. The probability is high that some records may still be based on misidentifications.

In this catalogue, the arrangement and numbering of genera are those used by Hendel in fascicles 157 (1914, Platystominae) and 106 (1910, Ulidiinae) of *Genera Insectorum*. Missing numbers represent genera none of whose species have been recorded from the area. This applies, for example, in the Platystominae, to the first eight genera: the list thus begins with Hendel's genus No. 9.

A letter following a number indicates that the genus has been erected since Hendel's work was published, or is one of which he was unaware when he wrote. An asterisk preceding a specific name indicates an "Australian" species, that is, one recorded from Australia, or New Guinea and its adjacent islands.

Within genera, species are arranged in alphabetical order.

Family: OTITIDAE

Type genus: *Otites* Latreille, 1804 *Nouv. Dict. Hist. nat.* 24: 196.

I. Sub-family: PLATYSTOMINAE

Type genus: *Platystoma* Meigen, 1803 *Mag. Insektenkunde (Illiger)* 2: 277.

NOTE: Both Curran (1934) and Malloch (1939) claimed that *Platystoma* was not available for use in the Diptera since it "is pre-occupied in Mollusca." Neither gave any reasons for making this assertion, nor referred to any authority. In Neave (*Nomenclator Zoologicus* 3: 802-803), *Platystoma* Meigen, 1803 pre-dates, by many years, the earliest of the six later applications of *Platystoma* to other animal groups. Steyskal in all his publications uses *Platystoma* without any query as to the correctness of such usage, and the name was accepted by workers who preceded Curran (e.g., Williston, 1888 and later editions; Hendel A, B). In these circumstances, Curran's statement appears to be incorrect; Malloch apparently followed him without checking the correctness of the statement since he used the exact wording of Curran.

GENERA

9. Genus: **POECILOTRAPHERA** Hendel, 1914

Hendel, 1914a *Gen. Ins.* 157: 33.

Type species: *Urophora taeniata* Macquart, 1843.

1. **P. taeniata** (Macq. 1843)

Urophora taeniata Macq., 1843 *Dipt. exot.* 2: 222 Pl. 30, Fig. 6. Bezzi, 1913 *Mem. Indian Mus.* 3: 80 (No. 259).

Poecilotrapphera taeniata (Macq. 1843), Hendel, 1914b :21; 1914a :33. Enderlein, 1924 *Mitt. Zool. Mus. Berlin* 11: 100.

Distribution: Borneo, Java, China.

The only other described species is *P. comperei* (Coq. 1904) from India.

11. Genus: **XIRIA** Walker, 1857

Xiria Walker, 1857 *J. Proc. Linn. Soc. Lond.* 1: 36.

Type species: *Xiria antica* Walk., 1857.

Hendel, 1914b :24; 1914a :35.

1. **X. antica** Walker, 1857

Xiria antica Walker, 1857 *J. Proc. Linn. Soc. Lond.* 1: 36 Pl. 2, Fig. 2. Bezzi, 1913 *Mem. Indian Mus.* 3: 67 (No. 20). Hendel, 1914b :24; 1914a :37.

Distribution: Sumatra.

2. **X. clarissa** Frey, 1930

Xiria clarissa Frey, 1930 *Notul. ent. Helsingf.* **10**: 62 Pl. 1, Fig. 7.

Distribution: Philippines.

3. **X. lavinia** van der Wulp, 1898

Xiria lavinia v. d. Wulp, 1898 *Tijd. Ent.* **51**: 210 Pl. 10, Figs. 8, 9.

Enderlein, 1912 *Zool. Jahrb.* **33**: 361. Hendel, 1914b :25; 1914a :37.

Distribution: Java, Sumatra.

4. **X. limbata** de Meijere, 1924

Xiria limbata de Meijere, 1924 *Tijd. Ent.* **67** (Suppl.): 40.

Distribution: Sumatra.

5. **X. obliqua** Osten-Sacken, 1881

Xiria obliqua Osten-Sacken, 1881 *Ann. Stor. nat. Mus. Genova* **16**: 463.

Hendel, 1914b :25; 1914a :37.

Distribution: Sumatra.

*6. **X. papuana** Hennig, 1940

Xiria papuana Hennig, 1940 *Arb. morph. Taxon. Ent. Berl.* **71**: 316.

Distribution: New Guinea.

*7. **X. strigata** Hennig, 1940

Xiria strigata Hennig, 1940 *Arb. morph. Taxon. Ent. Berl.* **71**: 317.

Distribution: New Guinea.

8. **X. violacea** (Wied., 1830)

Trypeta violacea Wied., 1830 *Ausser. Zweifl. Ins.* **2**: 476. Bezzi, 1913

Mem. Indian Mus. **3**: 81 (No. 281).

Xiria violacea (Wied., 1830) Hendel, 1914b :26; 1914a :37.

Distribution: Java, Sumatra.

12. Genus: **LASIOXIRIA** Hendel, 1914 (Monotypic)

Hendel, 1914a *Gen. Ins.* **157**: 37.

Type species: *L. hirsuta* Hend. 1914.

Hendel, 1914b :28.

*1. **L. hirsuta** Hendel, 1914

Lasioxiria hirsuta Hendel, 1914b :28; 1914a :37. Malloch, 1939 *Proc.*

Linn. Soc. N.S.W. **64**: 101.

Distribution: New Guinea.

Malloch, 1939 suggested that *Lasioxiria* might be a synonym of *Dasyortalis* Hendel, 1913.

13. Genus: **CONICIPITHEA** Hendel, 1914 (Monotypic)
Hendel, 1914a :40.
Type species: *Dacus addens* Walker, 1860.

1. **C. addens** (Walker, 1860)

Dacus addens Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 149. Bezzi, 1913
Mem. Indian Mus. **3**: 66 (No. 5).

Conicipithea addens (Walk., 1860) Hendel, 1914b :29. Malloch, 1939
Proc. Linn. Soc. N.S.W. **64**: 103. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 163.

Distribution: Amboina (Moluccas), Macassar (Celebes).

14. Genus: **PHILOCOMPUS** Osten-Sacken, 1881

Osten-Sacken, 1881 *Ann. Soc. ent. France* (6th Ser.) **1**: 134.

Type species: *Philocompus cupidus* Osten-Sacken, 1881. Hendel, 1914b :30; 1914a :42. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104.

1. **P. aeneus** de Meijere, 1906

Philocompus aeneus de Meijere, 1906 *Ann. Mus. nat. Hung.* **4**: 187 Pl. 2,
Fig. 16. Hendel, 1914b :30; 1914a :42.

Distribution: Bali, Java.

2. **P. cupidus** Osten-Sacken, 1882

Philocompus cupidus Osten-Sacken, 1882 *Berl. ent. Zeit.* **26**: 217. Hendel, 1914b :30; 1914a :42. Frey, 1930 *Notul. ent. Helsingf.* **10**: 46.

Distribution: Philippines.

3. **P. divergens** (Walk., 1860)

Dacus divergens Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 149. Bezzi, 1913
Mem. Indian Mus. **3**: 70 (No. 84).

Philocompus divergens (Walk., 1860) Hendel, 1914b :42; 1914a :42.
Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 170.

Distribution: Macassar (Celebes).

15. Genus: **ANTINEURA** Osten-Sacken, 1881

Osten-Sacken, 1881 *Ann. Soc. ent. France* (6th Ser.) **1**: 134.

Type species: *Antineura stolata* Osten-Sacken, 1882. Hendel, 1914b :32; 1914a :400. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104.

*1. **A. biroi** de Meijere, 1906

Antineura biroi de Meijere, 1906 *Ann. Mus. nat. Hung.* **4**: 188 Pl. 2, Fig. 17. Hendel, 1914b :33; 1914a :41. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104.

Distribution: New Guinea.

*2. **A. devia** (Walk., 1861)

Dacus devius Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 250. Bezzi, 1913 *Mem. Indian Mus.* **3**: 70 (No. 78).

Antineura devia (Walk., 1861) Hendel, 1914b :36; 1914a :41. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 169.

Distribution: New Guinea.

3. **A. grandis** (Dol., 1858)

Herina grandis Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 126.

Antineura grandis (Dol., 1858) Hendel, 1914b :35; 1914a :42. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104.

Distribution: Moluccas.

*4. **A. kerteszi** de Meij., 1906

Antineura kerteszi de Meijere, 1906 *Ann. Mus. nat. Hung.* **4**: 189 Pl. 2, Fig. 18. Hendel, 1914b :34; 1914a :42. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 110. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104 Pl. 4, Fig. 4.

Distribution: New Guinea.

5. **A. pubiseta** (Walk., 1861)

Dacus pubiseta Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 294. Bezzi, 1913 *Mem. Indian Mus.* **3**: 78 (No. 214).

Antineura pubiseta (Walk., 1861) Hendel, 1914b :36; 1914a :42. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 181.

Distribution: Moluccas.

6. **A. sericata** Osten-Sacken, 1882

Antineura sericata Osten-Sacken, 1882 *Berl. ent. Zeit.* **26**: 216. Hendel, 1914b :33; 1914a :42. Bezzi, 1917 *Philippine J. Sc. (D)* **12**: 133.

Distribution: Philippines.

7. **A. stolata** Osten-Sacken, 1882

Antineura stolata Osten-Sacken, 1882 *Berl. ent. Zeit.* **26**: 215. Hendel, 1914b :32; 1914a :42. Frey, 1930 *Notul. ent. Helsingf.* **10**: 49.

Distribution: Philippines.

8. **A. strigifer** (Walk., 1862)

Dacus strigifer Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 13. Bezzi, 1913 *Mem. Indian Mus.* **3**: 80 (No. 252).

Antineura strigifer (Walk. 1862) Hendel, 1914b :37; 1914a :42. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 183.

Distribution: Moluccas.

I have rejected Hendel's sub-division of this genus into the two sub-genera, *Antineura* (*sens. str.*) and *Adantineura*. At least two species were described from single specimens and neither species has since been recorded; the genus is not well known, and still awaits revision.

15A. Genus: **PSEUDOCLEITAMIA** Malloch, 1939 (Monotypic)

Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 104.

Type species: *Pseudocleitamia setigera* Malloch, 1939.

*1. **P. setigera** Malloch, 1939

Pseudocleitamia setigera Malloch, 1939 *ibid.*

Distribution: New Guinea.

16. Genus: **XENASPIS** Osten-Sacken, 1881

Osten-Sacken, 1881 *Ann. Soc. ent. France* (6th Ser.) **1**: 134.

Type species: *Xenaspis polistes* Osten-Sacken, 1882.

1. **X. extranea** Bezzi, 1917

Xenaspis extranea Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 134. Frey, 1930 *Notul. ent. Helsingf.* **10**: 49.

Distribution: Philippines.

2. **X. homichlodes** Hend., 1914

Xenaspis homichlodes Hendel, 1914b :41; 1914a :44.

Distribution: Borneo.

3. **X. pictipennis** (Walker, 1849)

Oxycephala (?) *pictipennis* Walker, 1849 *List. Dipt. Brit. Mus.* **4**: 1162.

Xenaspis vespoides de Meijere, 1904 *Bijd. Dierk.* **17**: 107, Figs. 19, 20.

Polistomima gigantea Enderlein, 1912 *Zool. Jahrb.* **33**: 353, Fig. C. Hendel, 1914b :39; 1914a :44.

Distribution: India, Indonesia.

4. **X. polistes** Osten-Sacken, 1882

Xenaspis polistes Osten-Sacken, 1882 *Berl. ent. Zeit.* **26**: 220. Hendel, 1914b :38; 1914a :44. Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 134. Frey, 1930 *Notul. ent. Helsingf.* **10**: 49.

Distribution: Philippines.

5. **X. stigma** (Enderlein, 1912)

Polistomima stigma Enderlein, 1912 *Zool. Jahrb. Syst.* **33**: 352 Fig. B.

Xenaspis stigma (End., 1912) Hendel, 1914b :42; 1914a :44.

Distribution: Sumatra.

6. **X. walkeri** (End., 1912)

Polistomima walkeri Enderlein, 1912 *Zool. Jahrb. Syst.* **33**: 350 Fig. A.

Xenaspis walkeri (End., 1912) Hendel, 1914b :42; 1914a :45.

Distribution: Sumatra.

This is a widely-dispersed genus: of its fifteen described species, six have been recorded from India as far north as the Himalaya, one from Burma, three from the Indonesian islands, two from the Philippines, two from Taiwan, and one occurs both in India and Indonesia. It is likely that new species will yet be found in New Guinea.

16A. Genus: **XENASPOIDES** Frey, 1930

Frey, 1930 *Notul. ent. Helsingf.* **10**: 49.

Type species: *Xenaspoides ichneumonea* Frey, 1930

1. **X. cyanea** Frey, 1930

Xenaspoides cyanea Frey, 1930 *Notul. ent. Helsingf.* **10**: 50 Pl. 1, Fig. 2.

Distribution: Philippines.

2. **X. ichneumonea** Frey, 1930

Xenaspoides ichneumonea Frey, 1930 *Notul. ent. Helsingf.* **10**: 50 Pl. 1, Fig. 1.

Distribution: Philippines.

17. Genus: **LAMPROPHTHALMA** Portschinsky, 1892

Portschinsky, 1892 *Horae Soc. ent. Rossicae* **26**: 225.

Type species: *L. metallica* Ports., 1892.

1. **L. cavenda** Bezzi, 1917

Lamprophthalma cavenda Bezzi, 1917 (? publication) Frey, 1930 *Notul. ent. Helsingf.* **10**: 46.

Distribution: Philippines.

I have been unable to find Bezzi's original description. My only reference to the species is the specific name, author and date given in a list by Frey (*loc. cit.*).

2. **L. doleschalli** (End., 1912)

Senopterina doleschalli Enderlein, 1912 *Zool. Jahrb. Syst.* **33**: 357.

Lamprophthalma doleschalli (End., 1912) Hendel, 1914b :49; 1914a :45.

Distribution: Sumatra.

3. **L. meijereana** (End., 1912)

Senopterina meijereana Enderlein, 1912 *Zool. Jahrb. Syst.* **33**: 356.

Lamprophthalma meijereana (End., 1912) Hendel, 1914b :49; 1914a :45.

Distribution: Sumatra.

4. **L. sepedonoides** (Walk., 1864)

Dacus sepedonoides Walker, 1864 *J. Proc. Linn. Soc. Lond.* **7**: 228.

Lamprophthalma sepedonoides (Walk., 1864) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 181.

Distribution: Moluccas.

5. **L. tuberculifrons** de Meijere, 1933

Lamprophthalma tuberculifrons de Meijere, 1933 *Tijd. Ent.* **76**: 111.

Distribution: Java.

17A. Genus: **APACTONEURA** Malloch, 1930 (Monotypic)
Malloch, 1930 *Ins. Samoa* **6** (5): 223.

Type species: *Apactoneura flavicornis* Malloch, 1930.

1. **A. flavicornis** Malloch, 1930

Apactoneura flavicornis Malloch, 1930 *Ins. Samoa* **6** (5): 223 Fig. 3.

Distribution: Samoa.

18. Genus: **PLAGIOSTENOPTERINA** Hendel, 1914

Hendel, 1914a *Gen. Ins.* **157**: 46. Malloch, 1931 *Proc. U.S. nat. Mus.* **78**: 12.

Type species: *Dacus aeneus* Wiedemann, 1819.

*1. **P. aenea** (Wied., 1819)

Dacus aeneus Wiedemann, 1819 *Zool. Mag.* **3**: 29; 1830 *Ausz. zweifl.* **2**: 512.

Plagiostenoptera aenea (Wied., 1819) Hendel, 1914b :54; 1914a :48.
Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 107. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 353; 1939 *ibid* **64**: 114.

Distribution: Java; Krakatau; Sumatra; Borneo; Philippines; New Guinea; Queensland (Aust.); Bismarck Archipelago; Ceylon; India; Taiwan.

A wide-spread common species. See *Meringomeria* Enderlein, 1924 (Genus No. 18a).

2. **P. armata** Malloch, 1931

Plagiostenoptera armata Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 20.

Distribution: Philippines.

*3. **P. basalis** (Walk., 1849)

Dacus basalis Walker, 1849 *List Dipt. Brit. Mus.* **4**: 1072. Bezzi, 1913 *Mem. Indian Mus.* **3**: (No. 29).

Plagiostenoptera basalis (Walker, 1849) Hendel, 1914b :64; 1914a :49.
Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 164.

Distribution: Northern Territory (Australia).

4. **P. calcarata** (Macq., 1843)

Herina calcarata Macquart, 1843 *Dipt. exot.* **2**: 207 Pl. 28, Fig. 3.

Plagiostenoptera calcarata (Macq., 1843) Hendel, 1914b :63; 1914a :49.
Bezzi, 1913 *Philippine J. Sci. (D)* **8**: 321. Malloch, 1931 *Proc. U.S. nat. Must.* **78** (15): 20.

Distribution: Indonesia; Philippines.

5. **P. diptera** Malloch, 1931

Plagiostenoptera diptera Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 18.

Distribution: Philippines.

6. **P. discolor** Malloch, 1931

Plagiostenoptera discolor Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 21.

Distribution: Philippines.

7. **P. dubiosa** Malloch, 1931

Plagiostenoptera dubiosa Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 15.

Distribution: Philippines; Ceylon; Singapore.

8. **P. egregia** de Meijere, 1924

Plagiostenoptera egregia de Meijere, 1924 *Tijd. Ent.* **67** (Suppl.): 41.

Distribution: Sumatra.

*9. **P. enderleini** Hendel, 1914

Plagiostenoptera enderleini Hendel, 1914b :56; 1914a :49. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 108. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 114 Pl. 4, Fig. 14.

Distribution: New Guinea; Sumatra; Ceylon.

10. **P. farinosa** Hendel, 1914

Plagiostenoptera farinosa Hendel, 1914b :68; 1914a :49.

Distribution: Moluccas.

11. **P. hebes** Hendel, 1914

Plagiostenoptera hebes Hendel, 1914b :70; 1914a :49.

Distribution: Singapore.

12. **P. imitans** (Walk., 1860)

Dacus imitans Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 150. Bezzi, 1913 *Mem. Indian Mus.* **3**: 73 (No. 132).

Plagiostenoptera imitans (Walk., 1860) Hendel, 1914a :49. Hardy, 1959 *Bull. Brit. Mus (nat. Hist.) Ent.* **8** (15): 175.

Distribution: Celebes.

13. **P. inapta** (Walk., 1860)

Dacus inaptus Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 151. Bezzi, 1913 *Mem. Indian Mus.* **3**: 73 (No. 135).

Plagiostenoptera inapta (Walk., 1860) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 175.

Distribution: Celebes.

14. **P. inermis** Malloch, 1931

Plagiostenoptera inermis Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 21.

Distribution: Philippines.

*15. **P. lativentris** (Walk., 1859)

Dacus lativentris Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 115. Bezzi, 1913 *Mem. Indian Mus.* **3**: 74 (No. 144).

Plagiostenoptera orbitalis Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 114
Pl. 4, Fig. 15. *Plagiostenoptera lativentris* (Walk., 1859) Hardy, 1959
Bull. Brit. Mus. (nat. Hist.) Ent. **8** (5): 177.

Distribution: New Guinea.

16. **P. longivitta** (Walk., 1859)

Dacus longivitta Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 115. Bezzi,
1913 *Mem. Indian Mus.* **3**: 74 (No. 158).

Plagiostenoptera longivitta (Walk., 1859) Hendel, 1914a :49. Enderlein,
1924 *Mitt. zool. Mus. Berlin* **11**: 108. Hardy, 1959 *Bull. Brit. Mus.*
(*nat. Hist.*) *Ent.* **8** (5): 178.

Distribution: Aru Islands; India.

17. **P. marginata** (v. d. Wulp, 1880)

Senopterina marginata v. d. Wulp, 1880 *Tijd. Ent.* **23**: 179 Pl. 10, Fig. 13.

Plagiostenoptera marginata (v. d. Wulp, 1880) Hendel, 1914b :66;
1914a :49.

Distribution: Java; China.

See *Meringomeria* Enderlein, 1924 (Genus No. 18a).

18. **P. medionotata** de Meijere, 1924

Plagiostenoptera medionotata, 1924 *Tijd. Ent.* **67** (Suppl.): 40.

Distribution: Sumatra.

19. **P. neurostigma** Bezzi, 1928

Plagiostenoptera neurostigma Bezzi, 1928 *Diptera . . . Fiji Islands* :89.

Distribution: Fiji.

20. **P. nigricostata** (Doleschall, 1858)

Herina nigricostata Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 126.

Plagiostenoptera nigricostata (Dol., 1858) Hendel, 1914b :70; 1914a :49.

Distribution: Moluccas.

21. **P. pallidipes** Frey, 1930

Plagiostenoptera pallidipes Frey, 1930 *Notul. ent. Helsingf.* **10**: 51.

Distribution: Philippines.

*22. **P. parva** Mall., 1931

Plagiostenoptera parva Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 15;
1939 *Proc. Linn. Soc. N.S.W.* **64**: 114.

Distribution: New Guinea.

23. **P. plagiata** (Bezzi, 1917)

Elassogaster plagiata Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 135. Frey, 1930 *Notul. ent. Helsingf.* **10**: 46.

Plagiostenopterina plagiata (Bezzi, 1917) Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 19.

Distribution: Philippines.

24. **P. planidorsum** (Walker, 1860)

Charax planidorsum Walker, 1860 *Trans. ent. Soc. Lond.* **5**: 325. Hendel, 1914b :53 (footnote).

Plagiostenopterina planidorsum (Walker, 1860) Frey, 1930 *Notul. ent. Helsingf.* **10**: 51.

Distribution: Philippines; Burma.

25. **P. rutila** Hendel, 1914

Plagiostenopterina rutila Hendel, 1914b :61; 1914a :49.

Distribution: Lombok.

26. **P. samoensis** Malloch, 1930

Plagiostenopterina samoensis Malloch, 1930 *Ins. Samoa* **6** (5): 230; 1931 *Proc. U.S. nat. Mus.* **78** (15): 15.

Distribution: Samoa.

27. **P. trivittata** (Walk., 1849)

Dacus trivittatus Walker, 1849 *List Dipt. Brit. Mus.* **4**: 1072. Bezzi, 1913 *Mem. Indian Mus.* **3**: 80 (No. 266).

Plagiostenopterina trivittata (Walk., 1849) Hendel, 1914b :65; 1914a :49. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 183.

Distribution: Singapore; Malacca; Hongkong; Philippines.

See *Meringomeria* Enderlein, 1924 (Genus No. 18A).

28. **P. trivittigera** Malloch, 1931

Plagiostenopterina trivittigera Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 17.

Distribution: Singapore.

18A. Genus: ?**MERINGOMERIA** Enderlein, 1924

Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 108.

Type species: *Dacus trivittatus* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 1072.

The status of this genus is doubtful. It was erected by Enderlein in 1924 for four species. Three of these he transferred from *Plagiostenoptera*, namely *P. trivittata* (Walker, 1849); *P. marginata* (v. d. Wulp, 1880); and *P. aenea* Hendel (sic), 1914. The latter species is unknown to me; it is possibly a *lapsus calami* for *P. aenea* (Wied., 1819). The fourth species was *Meringomeria interrupta* Enderlein, 1924, which he described from Sikkim in India—Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 109. This genus is inserted here to draw attention to the need for a thorough investigation of the four species. It is probable that all four will eventually be placed in *Plagiostenoptera*.

18B. Genus: ?**PERONOTROCHUS** Enderlein, 1924

This genus was erected by Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 109 for the single species *Plagiostenoptera calcarata* (Macq., 1843). The status of the genus is in doubt.

Frey, 1930 (*Notul. ent. Helsingf.* **10**: 52) accepted the genus as valid and described the following species:

1. **P. inermis** Frey, 1930

Peronotrochus inermis Frey, 1930 *Notul. ent. Helsingf.* **10**: 52.

Distribution: Philippines.

18C. Genus: **IMUGANA** Enderlein, 1937

Enderlein, 1937 *S.B. Ges. naturf. Fr. Berl.* (year 1936): 435.

Type species: *Imugana pompiliformis* Enderlein, 1937.

1. **I. metallica** Enderlein, 1937

Imugana metallica Enderlein, 1937 *S.B. Ges. naturf. Fr. Berl.* (year 1936): 436.

Distribution: Philippines.

2. **I. pompiliformis** Enderlein, 1937

Imugana pompiliformis Enderlein, 1937 *S.B. Ges. naturf. Fr. Berl.* (year 1936): 435.

Distribution: Philippines.

19. Genus: **ELASSOGASTER** Bigot, 1859

Bigot, 1859 *Ann. Soc. ent. Fr.* (Ser. 3) **8**: 546.

Type species: *Elassogaster metallicus* Bigot, 1859.

*1. **E. albopilosus** de Meijere, 1915

Elassogaster albopilosus de Meijere, 1915 *Tijd. Ent.* **58**: 133.

Distribution: New Guinea.

*2. **E. didymoides** Hendel, 1914

Elassogaster didymoides Hendel, 1914b :76; 1914a :52. Malloch, 1939
Proc. Linn. Soc. N.S.W. **64**: 117.

Distribution: New Guinea.

*3. **E. didymus** (Osten-Sacken, 1881)

Senopterina didyma Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**:
465.

Elassogaster didymus (Osten-Sacken, 1881) Hendel, 1914b :75; 1914a :51.
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 116.

Distribution: New Guinea.

*4. **E. evitta** Malloch, 1939

Elassogaster evitta Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 116 Pl. 4,
Fig. 16.

Distribution: New Britain.

5. **E. flavipes** (Schiner, 1868)

Senopterina flavipes Schiner, 1868 *Novara Dipt.* :288.

Elassogaster flavipes (Schiner, 1868) Hendel, 1914b :78; 1914a :52.

Distribution: Singapore.

6. **E. hyalipennis** Malloch, 1931

Elassogaster hyalipennis Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 23.

Distribution: Philippines.

*7. **E. lineatus** de Meijere, 1915

Elassogaster lineatus de Meijere, 1915 *Tijd. Ent.* **58**: 132.

Distribution: New Guinea.

*8. **E. marginalis** Malloch, 1940

Elassogaster marginalis Malloch, 1940 *Ann. Mag. nat. Hist* **6**: 68.

Distribution: Solomon Islands.

*9. **E. nigripes** Malloch, 1940

Elassogaster nigripes Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 70.

Distribution: Solomon Islands.

10. **E. potens** Frey, 1930

Elassogaster potens Frey, 1930 *Notul. ent. Helsingf.* **10**: 52.

Distribution: Philippines.

*11. **E. sepsoides** (Walker, 1861)

Dacus sepsoides Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 163. Bezzi, 1913 *Mem. Indian Mus.* **3**: 79 (No. 236).

Elassogaster sepsoides (Walker, 1861) Hendel, 1914b :82; 1914a :52. Bezzi, 1913 *Philippine J. Sci. (D)* **8**: 321. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 351 Fig. 4. Frey, 1930 *Notul. ent. Helsingf.* **10**: 52. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 22; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 115. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 181.

Distribution: New Guinea; Taiwan; Amboina; Ceylon; Queensland (Australia).

12. **E. signatipes** (Walker, 1861)

Dacus signatipes Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 163.

Elassogaster signatipes (Walker, 1861) Hendel, 1914a :52. Bezzi, 1913 *Mem. Indian Mus.* **3**: 79 (No. 239). Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 181.

Distribution: Amboina.

13. **E. simplex** Frey, 1930

Elassogaster simplex Frey, 1930 *Notul. ent. Helsingf.* **10**: 53.

Distribution: Philippines.

*14. **E. sordidus** (Walker, 1861)

Dacus sordidus Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 251. Bezzi, 1913 *Mem. Indian Mus.* **3**: 79 (No. 244).

Dacus varialis Walker, 1865 Bezzi, 1913 *ibid.* **3**: 79 (No. 275). *Elassogaster sordidus* (Walker, 1861) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 182.

Distribution: New Guinea.

Dacus varialis Walker, 1865 is a synonym of *Dacus sordidus* Walker, 1861. Hendel, 1914a *Gen. Ins.* **157**: 52 refers to it as *Elassogaster varialis* (Walker, 1865). Hardy, 1959 showed the synonymy.

*15. **E. terrae-reginae** Malloch, 1928

Elassogaster terrae-reginae Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 352;
1931 *Proc. U.S. nat. Mus.* **78** (15): 22; 1939 *Proc. Linn. Soc. N.S.W.*
64: 116.

Distribution: Queensland; New South Wales (Australia).

19A. Genus: **PICROMETOPUS** Frey, 1930 (Monotypic)
Frey, 1930 *Notul. ent. Helsingf.* **10**: 53.

Type species: *Picrometopus bicolor* Frey, 1930.

1. **P. bicolor** Frey, 1930

Picrometopus bicolor Frey, 1930 (*loc. cit.*).

Distribution: Philippines.

20. Genus: **MICROEPICAUSTA** Hendel, 1914 (Monotypic)
Hendel, 1914a *Gen. Ins.* **157**: 52.

Type species: *Microepicausta gracilis* Hendel, 1914.

*1. **M. gracilis** Hendel, 1914

Microepicausta gracilis Hendel, 1914b :85; 1914a :52.

Distribution: New South Wales (Australia).

21. Genus: **SCELOSTENOPTERINA** Hendel, 1914 (Monotypic)
Hendel, 1914a *Gen. Ins.* **157**: 54.

Type species: *Scelostenopterina femorata* Hendel, 1914.

1. **S. femorata** Hendel, 1914

Scelostenopterina femorata Hendel, 1914b :86; 1914a :55. Bezzi, 1917
Philippine J. Sci. (D) **12**: 136. Frey, 1930 *Notul. ent. Helsingf.* **10**: 51.
Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 24.

Distribution: Sula Islands (Indonesia); Philippines.

21A. Genus: **MINDANAIA** Malloch, 1931 (Monotypic)
Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 25.

Type species: *Mindanaia latifasciata* Malloch, 1931.

1. **M. latifasciata** Malloch, 1931

Mindanaia latifasciata Malloch, 1931 *ibid* **78** (15): 25.

Distribution: Philippines.

22. Genus: **ICTERACANTHA** Hendel, 1912

Hendel, 1912 *Supp. Ent. Berlin* **1**: 14.

Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 112.

Type species: *Trypeta chalybeiventris* Wiedemann, 1830.

1. **I. chalybeiventris** (Wied., 1830)

Trypeta chalybeiventris Wiedemann, 1830 *Auss. zweifl. Ins.* **2**: 479.

Dacus bicolor Walk., 1849 *List Dipt. Brit. Mus.* **4**: 1071.

Dacus bicolor Walk., 1849 Bezzi, 1913 *Mem. Indian Mus.* **3**: 68 (No. 52).

Trypeta chalybeiventris Wied. 1830 Bezzi, 1913 *ibid* **3**: 69 (No. 52).

Icteracantha chalybeiventris (Wied., 1830) Hendel, 1914b :87; 1914a :55.

Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 165.

Distribution: Type locality unknown.

2. **I. cyaneiventris** (v. d. Wulp, 1881)

Herina cyaneiventris v. d. Wulp, 1881 *Dipt. Sumatra Exp. Leiden*: 51 Pl. 3, Fig. 6.

Scelacanthina cyaneiventris (v. d. Wulp, 1881) Enderlein, 1912 *Zool. Jahrb.* **33**: 349.

Icteracantha cyaneiventris (v. d. Wulp, 1881) Hendel, 1914b :88; 1914a :55.

Distribution: Sumatra.

23. Genus: **DUOMYIA** Walker, 1849

Walker, 1849 *List Dipt. Brit. Mus.* **4**: 800. Hendel, 1914a, *Gen. Ins.* **157**: 56. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 350; **54**: 506.

Type species: *Duomyia obscura* Walker, 1849.

*1. **D. annulipes** Hendel, 1914

Duomyia annulipes Hendel, 1914b :98; 1914a :57.

Distribution: Western Australia.

*2. **D. azurea** Hendel, 1914

Duomyia azurea Hendel, 1914b :97; 1914a :57.

Distribution: Western Australia.

*3. **D. decora** (Macq., 1846)

Senopterina decora Macquart, 1846 *Dipt. exot. Supp.* **1**: 208 Pl. 18, Fig. 10.

Ortalis punctifrons Macquart, 1847 *ibid Supp.* **3**: 61 Pl. 7, Fig. 4.

Duomyia decora (Macq., 1846) Hendel, 1914b :95; 1914a :57. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 112. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 510.

Distribution: New South Wales (Australia).

4. **D. fidschiensis** Enderlein, 1924

Duomyia fidschiensis Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 112.

Bezzi, 1928 *Dipt. Fiji*: 91.

Distribution: Fiji.

5. **D. grandis** (Schiner), 1868

Senopterina grandis Schiner, 1868 *Novara Dipt.*: 289.

Duomyia grandis (Schiner), 1868 Hendel, 1914b :95; 1914a :57.

Distribution: Chile (*sic.*).

*6. **D. irregularis** Malloch, 1929

Duomyia irregularis Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 509 Fig. 16.

Distribution: Northern Australia.

*7. **D. laeta** (Walk., 1849)

Lamprogaster laeta Walker, 1849 *List Dipt. Brit. Mus.* **4**: 805.

Duomyia laeta (Walk., 1849) Hendel, 1914b :96; 1914a :58.

Distribution: Australia (*sic.*).

See *Lamprogaster laeta* (Guerin, 1830).

*8. **D. maculipennis** Hendel, 1914

Duomyia maculipennis Hendel, 1914b :93; 1914a :58. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 511 Fig. 2C.

Distribution: Queensland; New South Wales (Australia).

*9. **D. mithrax** Hendel, 1914

Duomyia mithrax Hendel, 1914b :92; 1914a :58.

Distribution: Queensland (Australia).

*10. **D. nigricosta** Malloch, 1929

Duomyia nigricosta Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 511.

Distribution: Queensland (Australia).

*11. **D. nigripes** (Macq., 1850)

Senopterina nigripes Macquart, 1850 *Dipt. exot. Supp.* 4: 283 Pl. 26, Fig. 6.

Urophora nigripes (Macquart, 1851) *Mem. Soc. Sci. Lille*: 260 Pl. 26, Fig. 13.

Urophora nigripes (Macquart, 1851) Bezzi, 1913 *Mem. Indian Mus.* 3: 76 (No. 184).

Duomyia nigripes (Macq., 1851) Hendel, 1914a :102.

Distribution: Tasmania (?).

*12. **D. obscura** Walker, 1849

Duomyia obscura Walker, 1849 *List Dipt. Brit. Mus.* 4: 800.

Senopterina gigas Macquart, 1850 *Dipt. exot. Supp.* 4: 282 Pl. 26, Fig. 4.

Duomyia obscura Walk., 1849 Hendel, 1914b :90; 1914a :58. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* 53: 351; 1929 *ibid* 54: 510.

Distribution: Queensland; New South Wales (Australia).

*13. **D. punctifrons** Malloch, 1929

Duomyia punctifrons Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 510.

Distribution: New South Wales (Australia).

*14. **D. scutellaris** (Macq., 1850)

Senopterina scutellaris Macquart, 1850 *Dipt. exot. supp.* 4: 282 Pl. 26, Fig. 5.

Duomyia scutellaris (Macq., 1850) Hendel, 1914b :102.

Distribution: New South Wales (Australia).

*15. **D. sericea** Hendel, 1914

Duomyia sericea Hendel, 1914b :99; 1914a :58.

Distribution: Queensland (Australia).

*16. **D. spinifemorata** Malloch, 1929

Duomyia spinifemorata Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 508 Figs. 1a, 1b.

Distribution: Northern Territory (Australia).

*17. **D. thalassina** Walker, 1849

Duomyia thalassina Walker, 1849 *List Dipt. Brit. Mus.* 4: 801. Hendel, 1914b :92; 1914a :58. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11:

112. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 511.

Distribution: Queensland (Australia).

*18. *D. tomentosa* Hendel, 1914

Duomyia tomentosa Hendel, 1914b :100; 1914a :58. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 507 Fig. 2b.

Distribution: Queensland (Australia).

NOTE: Evidence favours the opinion that this genus is confined to the Australian mainland. No species have been recorded from New Guinea or New Zealand, and there is no authentic record of any from Tasmania. The four species, *D. grandis* Schiner 1868, *D. fidschiensis* Enderlein 1924, *D. nigripes* (Macq. 1850) and *D. scutellaris* (Macq. 1850), which have been recorded from other places, are all suspect in varying degrees.

The status of *D. grandis* is extremely doubtful. It was described by Schiner from *Novara* material labelled "Chile". It is the only *Duomyia* ever to have been recorded from South America, and the species has never been recorded since. Hendel (A) queried the type locality; Malloch (1928) suggested that the species did not belong to *Duomyia*. Malloch's suggestion appears to be much the more probable. Were *D. grandis* an Australian species wrongly labelled as having been collected in Chile, it is not unreasonable to expect that it would since have been recorded from Australia, which it has not. If, on the contrary, it is a member of a South American genus superficially resembling *Duomyia* then all difficulties disappear.

D. fidschiensis may be an introduction from Australia into Fiji, and the name is possibly a synonym; alternatively, the species may not belong to *Duomyia*. Some of Enderlein's work is marred by superficiality and lack of a critical approach, and decisions arrived at by him have often been shown to be wrong by later workers. A detailed examination of the type of *D. fidschiensis*, and a careful comparison with all known species of *Duomyia*, will have to be undertaken before finality can be arrived at.

D. nigripes and *D. scutellaris* were collected by the Verreaux brothers, between 1842 and 1846, for the Musée d'Histoire Naturelle de Paris. They formed part of the 140 species of Diptera described by Macquart in the fourth supplement of his *Diptères Exotiques*. The type locality of all the material was given as "Tasmania". It is significant that these are the only species of *Duomyia* ever to be recorded from Tasmania. Hardy (1929, *Proc. Linn. Soc. N.S.W.* 54: 61-64), assembled evidence which strongly suggests that all 140 species were collected in a coastal area round Sydney, New South Wales. The types are no longer in existence. Hendel (B) merely quotes Macquart's descriptions *verbatim* with the comment "Die Arten *D. nigripes* Macquart und *scutellaris* Macquart konnten nicht in die Tabelle aufgenommen werden." Malloch (1928, 1929) mentions neither in his revisions of the genus.

There can be little doubt that species yet await description, particularly in Western Australia.

25. Genus: **PSEUDEPICAUSTA** Hendel, 1914

Hendel, 1914a *Gen. Ins.* 157: 62; 1914b :112. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 115. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 118.

Type species: *Herina chalybea* Doleschall, 1858.

*1. **P. angulata** Hendel, 1914

Pseudepicausta angulata Hendel, 1914b :118. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 115. Malloch, 1931 *Proc. U.S. nat. Mus.* 78 (15): 26; 1939 *Proc. Linn. Soc. N.S.W.* 64: 119.

Distribution: New Guinea; Celebes.

*2. **P. apicalis** Malloch, 1939

Pseudepicausta apicalis Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 119 Pl. 4, Fig. 17.

Distribution: New Guinea.

3. **P. bataviensis** (Schiner, 1868)

Senopterina bataviensis Schiner, 1868 *Novara Dipt.* :288.

Pseudepicausta bataviensis (Schiner, 1868) Hendel, 1914b :115; 1914a :64. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 115. Malloch, 1931 *Proc. U.S. nat. Mus.* 78 (15): 26.

Distribution: Java.

*4. **P. chalybea** (Doleschall, 1858)

Herina chalybea Doleschall, 1858 *Nat. Tijd. Ned. Ind.* 17: 125.

Dacus obtrudens Walker, 1859 *J. Proc. Linn. Soc. Lond.* 3: 116. Bezzi, 1913 *Mem. Indian Mus.* 3: 76 (No. 191).

Pseudepicausta chalybea (Dol., 1858) Hendel, 1913 *Gen. Platy.* Figs. 119, 120; 1914b :113; 1914a :64 Pl. 6, Figs. 119, 120. Bezzi, 1917 *Philippine J. Sci. (D)* 12: 136. Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 115. Frey, 1930 *Notul. ent. Helsingf.* 10: 54. Malloch, 1931 *Proc. U.S. nat. Mus.* 78 (15): 26; 1939 *Proc. Linn. Soc. N.S.W.* 64: 118. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* 8 (5): 179.

Distribution: Amboina; Ternate; Deslac and Nusa Islands; Sunda Islands; New Guinea.

5. **P. contrahens** (Walker, 1860)

Dacus contrahens Walker, 1860 *J. Proc. Linn. Soc. Lond.* 4: 151. Bezzi, 1913 *Mem. Indian Mus.* 3: 69 (No. 62).

Pseudepicausta contrahens (Walk., 1860) Hendel, 1914a :64. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* 8 (5): 168.

Distribution: Macassar.

*6. **P. detrudens** (Walker, 1865)

Dacus detrudens Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 135. Bezzi, 1913 *Mem. Indian Mus.* **3**: 70 (No. 77).

Pseudepicausta detrudens (Walk., 1865) Hendel, 1914a :64; 1914b :113. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 169.

Distribution: Indonesia; Salawatty Is. (New Guinea).

Both Hendel and Hardy found differences between the assumed type and Walker's description. There is some uncertainty as to whether Walker's specimen labelled "? type" was the specimen on which he based his description.

7. **P. exigens** (Walker, 1860)

Dacus exigens Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 151. Bezzi, 1913 *Mem. Indian Mus.* **3**: 71 (No. 95).

Pseudepicausta exigens (Walk., 1860) Hendel, 1914a :64. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 171.

Distribution: Macassar.

8. **P. experta** (Walker, 1862)

Dacus expertus Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 12. Bezzi, 1913 *Mem. Indian Mus.* **3**: 71 (No. 97).

Pseudepicausta experta (Walk., 1862) Hendel, 1914a :64. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 171.

Distribution: Halmahera Is. (Moluccas).

9. **P. geniculata** (v. d. Wulp, 1898)

Senopterina geniculata v. d. Wulp, 1898 *Tijd. Ent.* **41**: 206. de Meijere, 1911 *Tijd. Ent.* **54**: 369.

Pseudepicausta geniculata (v. d. Wulp, 1898) Hendel, 1914a :64; 1914b :114.

Distribution: Java.

10. **P. limpidipennis** (Doleschall, 1858)

Herina limpidipennis Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 126.

Pseudepicausta limpidipennis (Dol., 1858) Hendel, 1914a :64; 1914b :117.

Distribution: Amboina.

*11. **P. mutilloides** (Walker, 1859)

Dacus mutilloides Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 115. Bezzi, 1913 *Mem. Indian Mus.* **3**: 76 (No. 176).

Pseudepicausta mutilloides (Walk., 1859) Hendel, 1914a :64; 1914b :116. Frey, 1930 *Notul. ent. Helsingf.* **10**: 54. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 119 ("mutilloides") (*sic.*). Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 178.

Distribution: New Guinea.

*12. **P. pompiloides** (Walker, 1859)

Dacus pompiloides Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 116. Bezzi, 1913 *Mem. Indian Mus.* **3**: 77 (No. 210).

Pseudepicausta lagarosia Hendel, 1914a :64; 1914b :118. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 118.

Pseudepicausta pompiloides (Walk., 1859) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 180.

Distribution: New Guinea.

P. pompiloides was the species described by Hendel as new under the name of *P. lagarosia*. Hardy showed the synonymy.

13. **P. quadrisetosa** (de Meijere, 1911)

Senopterina quadrisetosa de Meijere, 1911 *Tijd. Ent.* **54**: 368.

Pseudepicausta quadrisetosa (de Meij., 1911) Hendel, 1914a :64; 1914b :115.

Distribution: Java.

*14. **P. solocifemur** Enderlein, 1924

Pseudepicausta solocifemur Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 115.

Distribution: New South Wales (Australia).

*15. **P. wallacei** Hendel, 1914

Pseudepicausta wallacei Hendel, 1914b :117; 1914a :64. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 119.

Distribution: New Guinea.

26. Genus: **SCOTINOSOMA** Loew, 1873

Loew, 1873 *Mon. N. Amer. Dipt.* **3**: 45.

Type species: *S. bistrigata* Hendel, 1914.

In 1873, Loew summarized the characters of his new genus, *Scotinosoma* but named no species nor designated a type species. *S. bistrigata* hence became the type species by subsequent designation by Hendel in 1914.

Hendel, 1914a :65; 1914b :120. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

*1. **S. attenuata** (Malloch, 1931)

Pseudepicausta attenuata Malloch, 1931 *Proc. U.S. nat. Mus.* **78**: 27.

Scotinosoma attenuata (Malloch, 1931) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

Distribution: Queensland (Australia).

Malloch first placed this species and No. 3 in *Pseudepicausta* but later transferred them to *Scotinosoma*.

*2. **S. bistrigata** Hendel, 1914

Scotinosoma bistrigata Hendel, 1914b :120; 1914a :65. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

Distribution: Queensland (Australia).

*3. **S. completa** (Malloch, 1931)

Pseudepicausta completa Malloch, 1931 *Proc. U.S. nat. Mus.* **78**: 27.

Scotinosoma completa (Malloch, 1931) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

Distribution: Queensland (Australia).

*4. **S. erasa** Malloch, 1939

Scotinosoma erasa Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 117.

Distribution: Queensland (Australia).

5. **S. typicum** Bezzi, 1917

Scotinosoma typicum Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 136. Frey, 1930 *Notul. ent. Helsingf.* **10**: 46.

Distribution: Philippines.

26A. Genus: **GUAMOMYIA** Malloch, 1942 (Monotypic)

Type species: *Guamomyia fascipennis* Malloch, 1942.

Malloch, 1942 *Insects of Guam B. P. Bishop Mus. Bull.* **172**: 206, Fig. 3.

1. **G. fascipennis** Malloch, 1942 *ibid*

Distribution: Guam.

27. Genus: **RHYTIDORTALIS** Hendel, 1914

Hendel, 1914b :121; 1914a :66. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106.

Type species: *Rhytidortalis cribrata* Hendel, 1914.

*1. **R. rugifrons** (Thomson, 1868)

Senopterina rugifrons Thomson, 1868 *Dipt. Eugen. Resa*: 577.

Rhytidortalis rugifrons (Thomson, 1868) Hendel, 1914b :122; 1914a :68.
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106.

Distribution: Australia (*sic.*).

Two species only have so far been recorded. The type species is from Taiwan.

27A. Genus: **CLEITAMOIDES** Malloch, 1939

Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106.

Type species: *Cleitamoides kerteszi* (Hendel, 1914).

*1. **C. kerteszi** (Hendel, 1914)

Cleitamia kerteszi Hendel, 1914b :130. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 117.

Cleitamoides kerteszi (Hendel, 1914) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 107.

Distribution: New Guinea.

*2. **C. latifascia** (Walker, 1859)

Dacus latifascia Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 114. Bezzi, 1913 *Mem. Indian Mus.* **3**: 74 (No. 146).

Cleitamia latifascia (Walk., 1859) Edwards, 1915 *Trans. Zool. Soc. Lond.* **20**: 415.

Cleitamoides latifascia (Walk., 1859) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 107. Hardy, 1959 *Bull. Brit. Mus (nat. Hist.) Ent.* **8** (5): 177.

Distribution: New Guinea.

*3. **C. liturata** (Walker, 1861)

Dacus lituratus Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 251.

Cleitamia liturata (Walk., 1861) Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 468. de Meijere, 1913 *Nov. Guin.* **9**: 375. Hendel, 1914a :73; 1914b :129.

Cleitamoides liturata (Walk., 1861) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 107. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 178.

Distribution: New Guinea.

30. Genus: **CLEITAMIA** Macquart, 1835

Macquart, 1835 *Suites à Buffon* 2: 440. Hendel, 1914a *Gen. Ins.* 157:

71. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 107.

Type species: *Ortalis astrolabei* Boisduval, 1833.

*1. **C. amabilis** Osten-Sacken, 1881

Cleitamia amabilis Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* 16: 468. Hendel, 1914b :127; 1914a :72. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 109.

Distribution: New Guinea.

*2. **C. astrolabei** (Boisduval, 1833)

Ortalis astrolabei Boisduval, 1833 *Voy. Astrolabe* :688 Pl. 12, Fig. 17.

Cleitamia astrolabei (Boisd., 1833) Macquart, 1833 *Suites à Buffon* :440 Pl. 19, Fig. 4. de Meijere, 1913 *Nov. Guin.* 9: 375. Hendel, 1914a :72; 1914b :125. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 109 Pl. 4, Fig. 8.

Distribution: New Guinea.

*3. **C. biarcuata** (Walker, 1865)

Poticara biarcuata Walker, 1865 *J. Proc. Linn. Soc. Lond.* 8: 133.

Cleitamia biarcuata (Walk., 1865) Hendel, 1914b :133; 1914a :73. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 110.

Distribution: New Guinea.

*4. **C. catharinae** de Meijere, 1913

Cleitamia catharinae de Meijere, 1913 *Bijdr. Dierk.* 19: 63; 1915 *Tijd. Ent.* 58: 129. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 107 (footnote).

Distribution: New Guinea.

In his 1915 paper, de Meijere synonymized his species with *Poticara* (= *Cleitamia*) *tricurvata* Walker, 1864. Malloch (1939) pointed out that there were considerable differences in the descriptions of the two species. In view of these, he accepted both *catharinae* and *tricurvata* as distinct until both types had been compared. So far as I know this has not yet been done, but the two descriptions differ sufficiently for *catharinae* to be regarded as a valid species until the contrary is shown.

*5. **C. cheesmanae** Malloch, 1939

Cleitamia cheesmanae Malloch, 1939 *Proc. Linn. Soc. N.S.W.* 64: 110 Pl. 4, Fig. 10.

Distribution: West Irian (formerly Dutch New Guinea).

*6. **C. cyclops** Malloch, 1939

Cleitamia cyclops Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 110 Pl. 4, Fig. 9.

Distribution: West Irian (formerly Dutch New Guinea).

*7. **C. delandi** Malloch, 1939

Cleitamia delandi Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 111 Pl. 4, Fig. 12.

Distribution: New Guinea.

*8. **C. excepta** Malloch, 1939

Cleitamia excepta Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 111 Pl. 4, Fig. 11.

Distribution: West Irian (formerly Dutch New Guinea).

*9. **C. gestroi** Kertész, 1899

Cleitamia gestroi Kertész, 1899 *Ann. Mus. Stor. nat. Genova* **19**: 566 Pl. 7, Fig. 8. Hendel, 1914a :73; 1914b :133. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 109.

Distribution: New Guinea.

*10. **C. insignis** de Meijere, 1915

Cleitamia insignis de Meijere, 1915 *Tijd. Ent.* **58**: 128 Pl. 1, Fig. 14. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 110.

Distribution: New Guinea.

*11. **C. orthocephala** Hendel, 1914

Cleitamia orthocephala Hendel, 1914b :126; 1914a :73. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 109.

Distribution: New Guinea.

*12. **C. ostensackeni** Kertész, 1898

Cleitamia ostensackeni Kertész, 1898 *Term. Füz.* **21**: 494; 1899 *Ann. Mus. Stor. nat. Genova* **19**: 563 Pl. 7, Fig. 5. Hendel, 1914b :131; 1914a :73. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 109.

Distribution: New Guinea.

*13. **C. rivellioides** Osten-Sacken, 1881

Cleitamia rivellioides Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 469. Kertész, 1899 *Ibid* **19**: 564 Pl. 7, Fig. 6. Hendel, 1914b :130; 1914a :73. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 110.

Distribution: New Guinea.

*14. **C. roderi** Kertész, 1899

Cleitamia roderi Kertész, 1899 *Ann. Mus. Stor. nat. Genova* **19**: 565 Pl. 7, Fig. 7. Hendel, 1914a :73; 1914b :132. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 110.

Distribution: New Guinea.

*15. **C. similis** Kertész, 1899

Cleitamia similis Kertész, 1899 *Ann. Mus. Stor. nat. Genova* **19**: 652 Pl. 7, Fig. 4. Hendel, 1914a :73; 1914b :128. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 109.

Distribution: New Guinea.

*16. **C. tricurvata** (Walker, 1864)

(See *C. catharinae* de Meijere, 1913).

Poticara tricurvata Walker, 1864 *J. Proc. Linn. Soc. Lond.* **7**: 227.

Cleitamia tricurvata (Walk., 1864) Hendel, 1914a :73; 1914b :33. de Meijere, 1915 *Tijd. Ent.* **58**: 129. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 116. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 109.

Distribution: New Guinea.

*17. **C. trigonalis** de Meijere, 1913

Cleitamia trigonalis de Meijere, 1913 *Nov. Guin.* **9**: 375; 1915 *Tijd. Ent.* **58**: 129. Hendel, 1914a :73; 1914b :130. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 112.

Distribution: New Guinea.

30A. Genus: **XENOGNATHUS** Malloch, 1930

Malloch, 1930 *Ins. Samoa* **6** (5): 225.

Type species: *Xenognathus bryani* Malloch, 1930.

1. **X. bryani** Malloch, 1930

Xenognanthus bryani Malloch, 1930 *Ins. Samoa* **6** (5): 226 Figs. 4, 5.

Distribution: Samoa.

2. **X. inermis** Malloch, 1930

Xenognanthus inermis Malloch, 1930 *Ins. Samoa* **6** (5): 228 Fig. 6.

Distribution: Samoa.

31. Genus: **LAGLAISIA** Bigot, 1880

Bigot, 1880 *Ann. Soc. ent. France* (5th Ser.) **10**: 92.

Type species: *L. caloptera* Bigot, 1880.

*1. **L. biroi** Hendel, 1914

Laglaisia biroi Hendel, 1914b :136; 1914a :75. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 112.

Distribution: New Guinea.

*2. **L. caloptera** Bigot, 1880

Laglaisia caloptera Bigot, 1880 *Ann. Soc. ent. France* (5th Ser.), **10**: 92. Hendel, 1914a :75; 1914b :134. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 112.

Distribution: New Guinea.

*3. **L. fascipennis** de Meijere, 1915

Laglaisia fascipennis de Meijere, 1915 *Tijd. Ent.* **58**: 134 Pl. 1, Fig. 15. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 112.

Distribution: New Guinea.

*4. **L. kochi** de Meijere, 1907

Laglaisia kochi de Meijere, 1907 *Tijd. Ent.* **50**: 120 Pl. 4, Fig. 1; 1913 *Nov. Guin.* **9**: 374. Hendel, 1914a :75; 1914b :135. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 112.

Distribution: New Guinea.

*5. **L. stylops** Enderlein, 1924

Laglaisia stylops Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 116. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 113.

Distribution: New Guinea.

*6. **L. telescopica** Enderlein, 1924

Laglaisia telescopica Enderlein, 1924 *Mitt. Zool. Mus. Berlin* **11**: 116. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 113.

Distribution: New Guinea.

32. Genus: **LORIOMYIA** Kertész, 1899 (Monotypic)

Kertész, 1899 *Ann. Mus. Stor. nat. Genova* **39**: 567.

Type species: *L. guttipennis* Kertész, 1899.

*1. **L. guttipennis** Kertész, 1899

Loriomyia guttipennis Kertész, 1899 *Ann. Mus. Stor. nat. Genova* **39**: 567. Hendel, 1914a :75; 1914b :137. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 113.

Distribution: New Guinea.

35. Genus: **LOXONEUROIDES** Hendel, 1914 (Monotypic)
Hendel, 1914b :141.

Type species: *L. varipennis* Hendel, 1914.

*1. **L. varipennis** Hendel, 1914

Loxoneuroides varipennis Hendel, 1914b :141; 1914a :80.

Distribution: Australia (*sic.*).

38. Genus: **POGONORTALIS** de Meijere, 1911
de Meijere, 1911 *Tijd. Ent.* **54**: 370.

Type species: *Trypeta doclea* Walker, 1849.

*1. **P. commoni** Paramonov, 1957

Pogonortalis commoni Paramonov, 1957 *Ann. Mag. nat. Hist.* (Ser. 12) **10**: 780.

Distribution: Western Australia.

This species was described from a single specimen (♂) caught at Albany, Western Australia. No other specimens have been recorded.

*2. **P. doclea** (Walker, 1849)

Trypeta doclea Walker, 1849 *List Dipt. Brit. Mus.* **4**: 1035.

(Syn.) *P. barbata*, *P. barbifera* Hendel, 1914a :84; 1914b :144.

Pogonortalis barbifera Hendel, 1914 Bezzi, 1913 *Mem. Indian Mus.* **3**: 71
(No. 87). Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 612.

Pogonortalis doclea (Walk. 1849) Malloch, 1930 *ibid* **55**: 429; 1939 *ibid* **55**: 429; 1939 *ibid* **64**: 120. Paramonov, 1957 *Ann. Mag. nat. Hist.* (Ser. 12) **10**: 779. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 213.

Distribution: All Australian States except Tasmania.

3. **P. fulvofemoralis** Malloch, 1942

Pogonortalis fulvofemoralis Malloch, 1942 *Bernice P. Bishop Mus. Bull.* **172**: 205.

Distribution: Guam.

*4. **P. howei** Paramonov, 1957

Pogonortalis howei Paramonov, 1957 *Ann. Mag. nat. Hist.* (Ser. 12) **10**: 780.

Distribution: Lord Howe Island (Australia).

*5. **P. similis** Hendel, 1914

Pogonortalis similis Hendel, 1914b :143; 1914a :85. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 120.

Distribution: New Guinea.

*6. **P. uncinata** de Meijere, 1911

Pogonortalis uncinata de Meijere, 1911 *Tijd. Ent.* **54**: 370. Hendel, 1914a :85; 1914b :145. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 119 (included in key but no further details).

Plagiostenopterina aberrans (Frey, 1930) Hennig, 1941 *Arb. morph. taxon. Ent. Berl.* **7**: 315.

Distribution: Java.

39. Genus: **RIVELLIA** Robineau-Desvoidy, 1830

Robineau-Desvoidy, 1830 *Essai Myodaires* :729.

Type species: *Musca syngenesiae* Fabricius, 1781 (The type species is of European origin).

Curran, 1934 *N. Amer. Dipt.* :281. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 120.

1. **R. abana** Curran, 1929

Rivellia abana Curran, 1929 *Amer. Mus. Nov. No.* **339**: 11.

Distribution: New Caledonia.

2. **R. aequifera** (Walker, 1862)

Ortalis aequiferus Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 15.

Rivellia aequifera (Walk., 1862) Hendel, 1914a :89; 1914b :182.

Hendel regarded this species as doubtful.

Distribution: Moluccas.

*3. **R. affinis** Hendel, 1914

Rivellia affinis Hendel, 1914b :161; 1914a :87. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Distribution: New Guinea.

*4. **R. basilaris** (Wiedemann, 1830)

Trypeta basilaris Wiedeman, 1830 *Auss. zweifl. Ins.* **2**: 510.

Rivellia basilaris (Wied., 1830) Bezzi, 1913 *Mem. Indian Mus.* **3**: 68 (No. 32); 1913 *Philippine J. Sci. (D)* **8**: 321. Hendel, 1914a :87; 1914b :155. Bezzi, 1928 *Dipt. Fiji* :91. Frey, 1930 *Notul. ent.*

Helsingf. **10**: 54. Malloch, 1930 *Ins. Samoa* **6** (5): 221. Curran, 1936 *Proc. Calif. Acad. Sci.* (4th Ser.) **22** (1): 23.

Distribution: Sumatra; Java; Singapore; Taiwan; Japan; Fiji; Solomon Islands.

5. **R. concisivitta** (Walker, 1862)

Ortalis concisivitta Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 16.

Rivellia concisivitta (Walk., 1862) Hendel, 1914a :88; 1914b :182.

Distribution: Moluccas.

Hendel regarded this species as doubtful.

*6. **R. connata** (Thomson, 1868)

Herina connata Thomson, 1868 *Dipt. Eug. Resa* :575.

Rivellia connata (Thomson, 1868) Hendel, 1914a :88; 1914b :152. Bezzi, 1928 *Dipt. . . . Fiji* :91. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 351; 1930 *ibid* **55**: 491 Fig. 1; 1930 *Ins. Samoa* **6** (5): 221; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 120.

Distribution: Australia; Samoa; Fiji; a common, widely-spread species in all parts of Australia.

*7. **R. connexa** Hendel, 1914

Rivellia connexa Hendel, 1914b :163; 1914a :88. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Distribution: New Guinea.

8. **R. deatomoides** (Walker, 1862)

Ortalis deatomoides Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 16.

Rivellia deatomoides (Walk., 1862) Hendel, 1914b :182. Hendel, (1914a, 1914b) regarded this species as doubtful.

Distribution: Moluccas.

*9. **R. dimidiata** de Meijere, 1908

Rivellia dimidiata de Meijere, 1908 *Tijd. Ent.* **51**: 122 Pl. 4, Fig. 2. Hendel, 1914a :88; 1914b :164. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121 Pl. 4, Fig. 19.

Distribution: New Guinea.

*10. **R. distobasalis** Hardy, 1959

Trypeta basalis Walker, 1859 (*nec. Trypeta basalis* Walker, 1852) *J. Proc. Linn. Soc. Lond.* **3**: 120. Bezzi, 1913 *Mem. Indian Mus.* **3**: 67 (No. 30).

Rivellia distobasalis Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 211.

Distribution: Aru Islands (New Guinea).

*11. **R. ferruginea** Hendel, 1914

Rivellia ferruginea Hendel, 1914b :159; 1914a :88. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Distribution: New Guinea.

*12. **R. fulvescens** Malloch, 1940

Rivellia fulvescens Malloch, 1940 *Proc. R. ent. Soc. Lond.* (B) **9**: 72.

Distribution: Solomon Islands.

*13. **R. fusca** (Thomson, 1868)

Herina fusca Thomson, 1868 *Dipt. Eug. Resa* :575.

Rivellia fusca (Thomson, 1868) Osten-Sacken, 1882 *Berl. ent. Zeit.* **26**: 211. Bezzi, 1913 *Philippine J. Sci.* (D) **8**: 321. Hendel, 1914a :89; 1914b :156. Frey, 1930 *Notul. ent. Helsingf.* **10**: 55. Curran, 1936 *Proc. Calif. Acad. Sci.* (4th Series) **22**: 23. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Distribution: Java; Philippines; New Guinea; Solomon Islands; Taiwan.

14. **R. hendeliana** Bezzi, 1917

Rivellia hendeliana Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 138. Frey, 1930 *Notul. ent. Helsingf.* **10**: 55.

Distribution: Philippines.

15. **R. imitans** Malloch, 1930

Rivellia imitans Malloch, 1930 *Ins. Samoa* **6** (5): 220.

Distribution: Samoa.

*16. **R. isolata** Malloch, 1930

Rivellia isolata Malloch, 1930 *Proc. Linn. Soc. N.S.W.* **55**: 492 Fig. 2.

Distribution: New South Wales (Australia).

17. **R. lavata** Hendel, 1914

Rivellia lavata Hendel, 1914b :165; 1914a :89. Malloch, 1930 *Ins. Samoa* **6** (5): 221.

Distribution: Samoa.

18. **R. marina** Malloch, 1940

Rivellia marina Malloch, 1940 *Proc. R. ent. Soc. Lond.* (B) **9**: 19.

Distribution: Admiralty Islands.

19. **R. obliqua** (Walker, 1861)

Ortalis obliqua Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 297.

Rivellia obliqua (Walk., 1861) Hendel, 1914b :172; 1914a :89.

Distribution: Moluccas.

Hendel was doubtful of this species.

20. **R. pipartita** Hendel, 1933

Rivellia pipartita Hendel, 1933 *Dtsch. ent. Z.* (year 1933) :42.

Distribution: Java.

*21. **R. polita** Hendel, 1932

Rivellia polita Hendel, 1932 *Mem. Mus. Hist. nat. Belg.* **4**: 30.

Distribution: New Guinea.

*22. **R. radiata** Hendel, 1914

Rivellia radiata Hendel, 1914b :161; 1914a :90. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Distribution: New Guinea.

*23. **R. rufibasis** Malloch, 1939

Rivellia rufibasis Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121 Pl. 4, Fig. 18.

Distribution: New Guinea.

24. **R. sauteri** Hendel, 1914

Rivellia sauteri Hendel, 1914b :158; 1914a :90. Frey, 1930 *Notul. ent. Helsingf.* **10**: 55.

Distribution: Taiwan; Philippines.

*25. **R. similis** Hendel, 1914

Rivellia similis Hendel, 1914b :157; 1914a :90.

Distribution: New Britain.

26. **R. sumbawana** Hennig, 1941

Rivellia sumbawana Hennig, 1941 *Arb. morph. taxon. Ent. Berl.* **8**: 23.

Distribution: Sumbawa Island.

27. **R. vacillans** (Walker, 1860)

Ortalis vacillans Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 157.

Rivellia vacillans (Walk., 1860) Hendel, 1914a :90; 1914b :182.

Distribution: Celebes.

Hendel was doubtful of this species.

*28. **R. virgo** Hendel, 1914

Rivellia virgo Hendel, 1914b :167; 1914a :90. Malloch, 1930 *Proc. Linn. Soc. N.S.W.* **55**: 492 Fig. 3.

Distribution: New South Wales (Australia).

*29. **R. viridis** Hendel, 1914

Rivellia viridis Hendel, 1914b :152; 1914a :90.

Distribution: New South Wales (Australia).

Hendel suggested that this species was possibly synonymous with *Ortalis mentissa* Walker, 1849 *List Dipt. Brit. Mus.* **4**: 991.

39A. Genus: **ZEALANDORTALIS** Malloch, 1930

Malloch, 1930 *Rec. Canterbury (N.Z.) Mus.* **3**: 243. Harrison, 1959 *N.Z. Dept. Sci. ind. Res. Bull.* **128**: 176.

1. **Z. interrupta** Malloch, 1930

Zealandortalis interrupta Malloch, 1930 *Rec. Canterbury (N.Z.) Mus.* **3**: 243. Harrison, 1959 *N.Z. Dept. Sci. ind. Res. Bull.* **128**: 176 Fig. 209.

Distribution: New Zealand.

2. **Z. philpotti** Harrison, 1959

Zealandortalis philpotti Harrison, 1959 *N.Z. Dept. Sci. ind. Res. Bull.* **128**: 178 Fig. 210.

Distribution: New Zealand.

These are the only species of Otitidae recorded from New Zealand.

42. Genus: **EUXESTOMOEAE** de Meijere, 1913

de Meijere, 1913 *Nov. Guin.* **9**: 377. Hendel, 1914a :91; 1914b :187. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 105.

Type species: *Ortalis promptus* Walker, 1859.

*1. **E. bipunctata** Hendel, 1914

Euxestomoea bipunctata Hendel, 1914b :188; 1914a :93. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106 Pl. 4, Fig. 6.

Distribution: New Guinea.

*2. **E. discifera** de Meijere, 1913

Euxestomoea discifera de Meijere, 1913 *Nov. Guin.* **9**: 377. Hendel, 1914a :93; 1914b :189. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106.

Distribution: New Guinea.

*3. **E. prompta** (Walker, 1859)

Ortalis promptus Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 118.

Euxestomoea prompta (Walk., 1859) de Meijere, 1913 *Nov. Guin.* **9**: 377; 1915 *Tijd. Ent.* **58**: 135. Hendel, 1914a :93; 1914b :187. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 106.

Distribution: New Guinea.

Although the section on *Euxestomoea* in de Meijere, 1913 *Nova Guinea* was the work of Hendel, and de Meijere used the wording "*Euxestomoea* Hendel, *Euxestomoea* remained a M.S. name until de Meijere validated it by his publication of it in *Nova Guinea*. As Neave (*Nomenclator Zoologicus* **2**: 383) points out, the correct citation is therefore *Euxestomoea* de Meijere, 1913.

44. Genus: **LOXONEVRA** Macquart, 1835

Macquart, 1835 *Suites Buffon* **2**: 446 Pl. 19, Fig. 10.

Loxoneura Hendel, 1914a :96; 1914b :190.

Type species: *Dictya decora* Fabricius, 1805.

Because the letters v and u in Macquart's *Suites à Buffon* are somewhat alike in print, authors have mistakenly adopted the spelling *Loxoneura*. Inspection of Macquart's work shows beyond all doubt that he named the genus *Loxonevra*. *Loxonevra* Macquart, 1835 is the only spelling recognized by Neave (*Nomenclator Zoologicus* **2**: 1003).

1. **L. decora** (Fab., 1805)

Dictya decora Fabricius, 1805 *Syst. Antl.* :327.

Loxonevra decora (Fab., 1805) Macquart, 1835 *Suites Buffon* **2**: 446 Pl. 19, Fig. 10. Bezzi, 1913 *Mem. Indian Mus.* **3**: 81 (No. 280). Hendel, 1914a :98; 1914b :191. Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 138. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 118. Frey, 1930 *Notul. ent. Helsingf.* **10**: 55.

Distribution: Java; Sumatra; Nepal (India); Philippines.

2. **L. fascipennis** Hendel, 1914

Loxonevra fascipennis Hendel, 1914b :195; 1914a :98.

Distribution: Borneo.

3. **L. perilampoides** Walker, 1858

Loxonevra perilampoides Walker, 1858 *Trans. ent. Soc. Lond.* (new ser.) **4**: 226. Hendel, 1914a :98; 1914b :198.

Distribution: Sumatra; Sikkim (India).

46. Genus: **ACHIOSOMA** Hendel, 1914

Hendel, 1914b :200; 1914a :100. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 130.

Type species: *Achias dacoides* Walker, 1865.

*1. **A. aspiciens** (Walker, 1864)

Dacus aspiciens Walker, 1864 *J. Proc. Linn. Soc. Lond.* **7**: 229.

Achiosoma aspiciens (Walk., 1864) Hendel, 1914a :101; 1914b :201.
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 130.

Distribution: New Guinea.

*2. **A. costalis** Malloch, 1939

Achiosoma costalis Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 130.

Distribution: New Guinea.

*3. **A. dacoides** (Walker, 1865)

Achias dacoides Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 133.

Achiosoma dacoides (Walker, 1865) Hendel, 1914a :101; 1914b :200.
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 130.

Distribution: New Guinea.

*4. **A. nigrifacies** Malloch, 1939

Achiosoma nigrifacies Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 131
Pl. 5, Fig. 26.

Distribution: New Guinea.

47. Genus: **ACHIAS** Fabricius, 1805

Fabricius, 1805 *Syst. Antl.* :247. Hendel, 1914a :101; 1914b :201.
Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 351; 1939 *ibid* **64**: 132.

Type species: *Achias oculatus* Fabricius, 1805.

*1. **A. albertisi** Osten-Sacken, 1881

Achias albertisi Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 473.
Hendel, 1914a :103; 1914b :210. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137.

Distribution: New Guinea.

*2. **A. amplivdens** Walker, 1859

Achias amplivdens Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 122. Hendel,
1914a :103; 1914b :272. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 135.

Distribution: Aru Island (New Guinea).

*3. **A. apictipennis** Hennig, 1940

Achias apictipennis Hennig, 1940 *Arb. morph. taxon. Ent. Berl.* **7**: 316.

Distribution: Queensland (Australia).

*4. **A. australis** Malloch, 1939

Achias australis Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137 Pl. 5, Fig. 28.

Distribution: Queensland (Australia).

*5. **A. brachyophthalmus** Walker, 1865

Achias brachyophthalmus Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 119.
Hendel, 1914a :103; 1914b :218. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 135 Pl. 5, Fig. 27.

Distribution: New Guinea.

*6. **A. diversifrons** de Meijere, 1913

Achias diversifrons de Meijere, 1913 *Nov. Guin.* **9**: 371. Hendel, 1914a :103; 1914b :214. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 136.

Distribution: New Guinea.

*7. **A. fulviceps** de Meijere, 1913

Achias fulviceps de Meijere, 1913 *Nov. Guin.* **9**: 373. Hendel, 1914a :103; 1914b :205. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 134.

Distribution: New Guinea.

*8. **A. furcatus** Hendel, 1914

Achias furcatus Hendel, 1914b :216; 1914a :103. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 136.

Distribution: New Guinea.

*9. **A. gjellerupi** de Meijere, 1915

Achias gjellerupi de Meijere, 1915 *Tijd. Ent.* **58**: 130.

Distribution: New Guinea.

*10. **A. kurandana** Hennig, 1940

Achias kurandana Hennig, 1940 *Arb. morph. taxon. Ent. Berl.* **7**: 315.

Distribution: Queensland (Australia).

*11. **A. latividens** Walker, 1859

Achias latividens Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 121. Hendel, 1914a :103; 1914b :208. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 126. Malloch, 1939 *Proc. Linn. Soc. Lond.* **64**: 137.

Distribution: New Guinea.

*12. **A. longividens** Walker, 1859

Achias longividens Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 121. Hendel, 1914a :103; 1914b :210. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137.

Distribution: Aru Island (New Guinea).

*13. **A. macrocephalus** Hendel, 1914

Achias macrocephalus Hendel, 1914b :215; 1914a :104. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137 (as *microcephalus* (*sic.*)).

Distribution: New Guinea.

14. **A. oculatus** Fabricius, 1805

Achias oculatus Fabricius, 1805 *Syst. Antl.* :247. Hendel, 1914a :104; 1914b :203.

Distribution: Java (*sic.*).

This and *A. australis* Malloch are the only species not recorded from New Guinea. All the other described species are endemic to New Guinea. But see *15. *A. platychirus* Hendel (below).

*15. **A. platychirus** Hendel, 1914

Achias platychirus Hendel, 1914b :204; 1914a :104. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 134.

Distribution: New Guinea.

Hendel (1914b :202 (footnote)) suggested that his *A. platychirus* might be a synonym of *A. oculatus* Fab., 1805. Should this be demonstrated, *A. oculatus* would be a New Guinea as well as a Java species.

*16. **A. punctulatus** de Meijere, 1913

Achias punctulatus de Meijere, 1913 *Nov. Guin.* **9**: 372. Hendel, 1914a :104; 1914b :215. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137.

Distribution: New Guinea.

*17. **A. rothschildi** Austen, 1910

Achias rothschildi Austen, 1910 *Novit. Zool.* **17**: 459 Pl. 15, Figs. 5-9. Hendel, 1914a :104; 1914b :206. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 137.

Distribution: New Guinea.

*18. **A. strigatus** de Meijere, 1913

Achias strigatus de Meijere, 1913 *Nov. Guin.* **9**: 372. Hendel, 1914a :104; 1914b :205. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 134.

Distribution: New Guinea.

*19. **A. subnudus** Malloch, 1939

Achias subnudus Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 134.

Distribution: New Guinea.

*20. **A. thoracalis** Hendel, 1914

Achias thoracalis Hendel, 1914b :213; 1914a :104. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 136.

Distribution: New Guinea.

*21. **A. venustus** Walker, 1865

Achias venustus Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 119. Hendel, 1914a :104; 1914b :219. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 134.

Distribution: New Guinea.

48. Genus: **LAMPROGASTER** Macquart, 1843

Macquart, 1843a *Mem. Soc. R. Sci. Lille* (1842) :368; 1843b *Dipt. exot.* **2**: 211. Hendel, 1914a :104; 1914b :220. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 348; 1929 *ibid* **54**: 513; 1930 *ibid* **55**: 432; 1939 *ibid* **64**: 138.

Type species: *Lamprogaster flavipennis* Macquart, 1843.

1. **L. amitina** Frey, 1930

Lamprogaster amitina Frey, 1930 *Notul. ent. Helsingf.* **10**: 55.

Distribution: Philippines.

2. **L. angusta** Enderlein, 1924

Lamprogaster angusta Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 128.

Distribution: Moluccas.

*3. **L. apicalis** (Walker, 1849)

Chromatomyia apicalis Walker, 1849 *List. Dipt. Brit. Mus.* **4**: 804.

Lamprogaster apicalis (Walk., 1849) Hendel, 1914a :107; 1914b :227.

Helocnemia apicalis (Walk., 1849) Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 128. *Lamprogaster apicalis* (Walk., 1849) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 138.

Distribution: Western Australia.

*4. **L. austeni** Sharp, 1900

Lamprogaster austeni Sharp, 1900 *Willey Results* **4**: 391 Pl. 35, Figs. 11-11c.

L. xanthoptera Hendel, 1914a :107; 1914b :220; (footnote) *ibid* :225. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 349; 1929 *ibid* **54**: 515.

L. austeni Sharp, 1900, 1939 *ibid* **64**: 143.

Distribution: Bismarck Archipelago.

*5. **L. basalis** Walker, 1861

Lamprogaster basalis Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 248.

Hendel, 1914a :107; 1914b :229. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 144.

Distribution: New Guinea.

*6. **L. bicolor** Macquart, 1847

Lamprogaster bicolor Macquart, 1847 *Dipt. exot. Supp.* **2**: 89. Hendel, 1914a :107; 1914b :237. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 349.

Distribution: New South Wales (Australia).

7. **L. celebensis** Enderlein, 1924

Lamprogaster celebensis Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127.

Distribution: Celebes.

*8. **L. costalis** Walker, 1861

Lamprogaster costalis Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 247. Hendel, 1914a :108; 1914b :231. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 141.

Distribution: New Guinea.

*9. **L. decolor** Malloch, 1939

Lamprogaster decolor Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 144 Pl. 5, Fig. 30.

Distribution: New Guinea.

*10. **L. elongata** v. d. Wulp, 1885

Lamprogaster elongata v. d. Wulp, 1885 *Tijd. Ent.* **28**: 228. Hendel 1914a :108; 1914b :223. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 126. Non Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 515 (*L. pseudelongata* Malloch, 1930) see note. 1930 *ibid* **55**: 432 Fig. 1, 1939 *ibid* **64**: 144.

Distribution: New Guinea and surrounding islands.

In the 1929 reference above, Malloch misidentified as *L. elongata* a species sent to him from Queensland. He corrected this mistake in his 1930 reference where he described the Queensland species under the name of *L. pseudelongata*. It is to this species, therefore, that the 1929 reference actually applies.

*11. **L. flavipennis** Macquart, 1843

Lamprogaster flavipennis Macquart, 1843 *Dipt. exot.* **2**: 211 Pl. 28, Fig. 7. Hendel, 1914a :108; 1914b :234. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127. Bezzi, 1928 *Dipt. . . . Fiji* :91. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 349.

Distribution: Victoria and New South Wales (Australia); Fiji.

Bezzi's identification of *L. flavipennis* from Fiji requires confirmation.

12. **L. fulvescens** Malloch, 1931

Lamprogaster fulvescens Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 11.

Distribution: Philippines.

*13. **L. fulvipes** Malloch, 1939

Lamprogaster fulvipes Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 145 Pl. 5, Fig. 31.

Distribution: New Guinea.

*14. **L. fuscibasis** Malloch, 1930

Lamprogaster fuscibasis Malloch, 1930 *Proc. Linn. Soc. N.S.W.* **55**: 433.

Distribution: Queensland (Australia).

*15. **L. grossa** Malloch, 1939

Lamprogaster grossa Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 142.

Distribution: New Guinea.

*16. **L. hilaris** (Walker, 1849)

Chromatomyia hilaris Walker, 1849 *List Dipt. Brit. Mus.* **4**: 804.

Lamprogaster hilaris (Walk., 1849) Hendel, 1914a :108; 1914b :244.

Distribution: ? Australia (*sic.*).

This is a very doubtful species. It is represented by the remains of Walker's type, and has apparently not been collected since. Hendel (1914b) quotes Walker's description *verbatim* without further comment; Malloch does not refer to the species at all. Even the type locality is uncertain.

*17. **L. indistincta** Malloch, 1928

Lamprogaster indistincta Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 349.

Distribution: Northern Australia.

*18. **L. instabilis** (Walker, 1861)

Dacus instabilis Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 250. Bezzi, 1913 *Mem. Indian Mus.* **3**: 74 (No. 140).

L. gracilis Hendel, 1914b :225. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 141. *L. instabilis* (Walk., 1861) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 177.

Distribution: New Guinea.

*19. **L. jucunda** (Walker, 1849)

Chromatomyia jucunda Walker, 1849 *List Dipt. Brit. Mus.* **4**: 802.

Lamprogaster jucunda (Walk., 1849) Hendel, 1914a :108; 1914b :238. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 127.

Distribution: New South Wales (Australia).

Although not referred to by Malloch, Enderlein had specimens sent to him from Sydney, N.S.W.

*20. **L. laeta** (Guérin, 1830)

Platystoma laeta Guérin, 1830 *Voy. Coquille* :299.

Lamprogaster laeta (Guérin, 1830) Hendel, 1914a :108; 1914b :244. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 516.

Distribution: New South Wales (Australia); Queensland (Australia).

This species is not *Chromatomyia laeta* Walker, 1849 (*List Dipt. Brit. Mus.* **4**: 805), a confusion for which Hendel was responsible. In his 1914b publication, although he had seen neither the type nor specimens con-specific with it, he transferred Walker's species to *Lamprogaster* but stated that *he believed it to be Duomyia* sp.! In the same publication, he also transferred *Platystoma laeta* Guérin, 1830 to *Lamprogaster*. By so doing, he produced *L. laeta* (Guérin, 1830) and *L. laeta* (Walker, 1849).

In 1929, Malloch (*Proc. Linn. Soc. N.S.W.* **54**: 516) established the validity of *L. laeta* (Guérin, 1830). He received specimens of it from

Queensland (Australia). In his paper, he provided a modern description and commented that this was "the first known record since the original description".

Walker's species has no definite status until critical examination of the type enables it to be correctly placed generically.

*21. **L. lepida** Walker, 1857

Lamprogaster lepida Walker, 1857 *Trans. ent. Soc. Lond.* (new series) **4**: 226. Hendel, 1914a :108; 1914b :235. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 349; 1929 *ibid* **54**: 516.

Distribution: Queensland (Australia); Celebes.

*22. **L. macrocephala** Hendel, 1914

Lamprogaster macrocephala Hendel, 1914b :230; 1914a :108. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 145.

Distribution: New Guinea.

*23. **L. maculipennis** Macquart, 1847

Lamprogaster maculipennis Macquart, 1847 *Dipt. exot. Supp.* **2**: 89 Pl. 6, Fig. 5. Hendel, 1914a :108; 1914b :231. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 143.

Distribution: Eastern Australia.

24. **L. obliqua** Frey, 1930

Lamprogaster obliqua Frey, 1930 *Notul. ent. Helsingf.* **10**: 56.

Distribution: Philippines.

*25. **L. patula** Walker, 1861

Lamprogaster patula Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 247. Hendel, 1914a :107; 1914b :222. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 128 (as *Ceratopelta patula* (Walk., 1861)). Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 140.

Distribution: New Guinea.

26. **L. placida** (Walker, 1849)

Chromatomyia placida Walker, 1849 *List Dipt. Brit. Mus.* **4**: 802.

Lamprogaster placida (Walker, 1849) Hendel, 1914b :243; 1914a :109. Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 139. Frey, 1930 *Notul. ent. Helsingf.* **10**: 46. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 11.

Distribution: Philippines.

*27. **L. poecila** Hendel, 1914

Lamprogaster poecila Hendel, 1914b :239; 1914a :109.

Distribution: Northern Australia.

*28. **L. pseudelongata** Malloch, 1930

Lamprogaster pseudelongata Malloch, 1930 *Proc. Linn. Soc. N.S.W.* **55**: 432 Fig. 2; 1929 *ibid* **54**: 515.

Distribution: Queensland (Australia).

Malloch, 1929 referred this species to *L. elongata* v. d. Wulp, 1885. He corrected the mistake in his 1930 reference where he described *L. pseudelongata* as *sp. nov.* His 1929 reference is hence to *L. pseudelongata*.

29. **L. pumicata** v. d. Wulp, 1885

Lamprogaster pumicata v. d. Wulp, 1885 *Tijd. Ent.* **28**: 230 Pl. 7, Fig. 12. Hendel, 1914a :109; 1914b :238. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 516; 1939 *ibid* **64**: 143.

Distribution: New Caledonia.

*30. **L. quadrilinea** Walker, 1859

Lamprogaster quadrilinea Walker, 1859. Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 111. de Meijere, 1913 *Nov. Guin.* **9**: 370. 1915 *Tijd. Ent.* **58**: 132. Hendel, 1914a :109; 1914b :242. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 142.

Distribution: New Guinea.

*31. **L. rufipes** Hendel, 1914

Lamprogaster rufipes Hendel, 1914b :233; 1914a :109. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 143.

Distribution: New Guinea.

*32. **L. severa** Hendel, 1914

Lamprogaster severa Hendel, 1914b :240; 1914a :109. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 143.

Distribution: New Guinea.

*33. **L. stenoparia** Hendel, 1914

Lamprogaster stenoparia Hendel, 1914b :227; 1914a :109. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 350; 1929 *ibid* **54**: 515; 1939 *ibid* **64**: 144.

Distribution: Queensland (Australia).

34. **L. superna** Walker, 1862

Lamprogaster superna Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 12.
Hendel, 1914a :109; 1914b :240.

Distribution: Moluccas.

35. **L. taeniata** v. d. Wulp, 1885

Lamprogaster taeniata v. d. Wulp, 1885 *Tijd. Ent.* **28**: 229 Pl. 7, Figs. 10
and 11. Hendel, 1914a :109; 1914b :241. Malloch, 1939 *Proc. Linn.
Soc. N.S.W.* **64**: 145.

Distribution: Moluccas.

*36. **L. trisignata** v. d. Wulp, 1885

Lamprogaster trisignata v. d. Wulp, 1885 *Tijd. Ent.* **28**: 231 Pl. 7, Fig. 13.
de Meijere, 1913 *Nov. Guin.* **9**: 370. Hendel, 1914a 109; 1914b :232.
Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 143.

Distribution: New Guinea.

*37. **L. unimacula** Hendel, 1914

Lamprogaster unimacula Hendel, 1914b :239.

Distribution: Queensland (Australia).

*38. **L. vella** (Walker, 1849)

Chromatomyia vella Walker, 1849 *List Dipt. Brit. Mus.* **4**: 803.

Lamprogaster vella (Walker, 1849) Hendel, 1914a :109; 1914b :233.

Distribution: Queensland (Australia).

*39. **L. viola** Malloch, 1929

Lamprogaster viola Malloch, 1929. Malloch, 1929 *Proc. Linn. Soc. N.S.W.*
54: 515.

Distribution: Queensland (Australia).

*40. **L. violacea** (Macquart, 1843)

Cryphocera violacea Macquart, 1843 *Dipt. exot.* **2**: 212 Pl. 29, Fig. 4.

Lamprogaster violacea (Macq., 1843) Hendel, 1914a :109; 1914b :244.

Distribution: New Guinea.

*41. **L. zelotypa** Hendel, 1914

Lamprogaster zelotypa Hendel, 1914b :226; 1914a :110. Malloch, 1928
Proc. Linn. Soc. N.S.W. **53**: 350; 1929 *ibid* **54**: 515; 1939 *ibid* **64**: 141.

Distribution: Queensland (Australia); New Guinea.

Lamprogaster is essentially a *New Guinea-Australian* genus. Inspection
of otitid collections in Australian museums shows that many species await
description.

49. Genus: **MONTROUZIERA** Bigot, 1860 (Monotypic)
Bigot, 1860 *Ann. Soc. ent. France* (3rd series) **8**: 224.
Type species: *M. lifua* Bigot, 1860.

1. **M. lifua** Bigot, 1860

Montrouziera lifua Bigot, 1860 *Ann. Soc. ent. France* (3rd series) **8**: 224.
Hendel, 1914a :110; 1914b :245.
Distribution: New Caledonia.

49A. Genus: **RHEGMATOSAGA** Frey, 1930 (Monotypic)
Frey, 1930 *Notul. ent. Helsingf.* **10**: 63.
Type species: *Rhegmatosaga latiuscula* (Walker, 1857).

1. **R. latiuscula** (Walker, 1857)

Noeeta latiuscula Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 133.
Syn.: *Rhegmatosaga insignis* Frey, 1930 *Notul. ent. Helsingf.* **10**: 63 Pl. 1,
Fig. 8; 1932 *Ann. Mag. nat. Hist.* **10**: 256.
Rhegmatosaga latiuscula (Walker, 1857) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **10**: 256.
Distribution: Philippines.

Frey designated his *insignis* as the type species of his *gen. nov.*, *Rhegmatosaga*. Since *insignis* is a synonym of *Noeeta latiuscula* Walker, *latiuscula* is the type species of *Rhegmatosaga*.

49B. Genus: **TYLOPTERNA** Bezzi, 1917
Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 131.
Type species: *Tylopterna monstruosum* Bezzi, 1917.

1. **T. monstruosum** Bezzi, 1917

Tylopterna monstruosum Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 133. Frey,
1930 *Notul. ent. Helsingf.* **10**: 64.
Distribution: Philippines.

51. Genus: **LENOPHILA** Guérin-Ménéville, 1843
Guérin-Ménéville, 1843 *Rev. Zool.* **6**: 200.
Celetor Loew, 1873 *Mon. N. Amer. Dipt.* **3**: 41. Hendel, 1914a :113;
1914b :246. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 505.
Lenophila Guerin, 1843 Bezzi, 1913 *Mem. Indian Mus.* **3**: 70.
Type species: *Ortalis dentipes* Macquart, 1843.

*1. **L. caerulea** (Macquart, 1846) (*conj. nov.*)

Tephritis caerulea Macquart, 1846 *Dipt. exot. Supp.* 1: 212 Pl. 18, Fig. 15.

Trypeta cluana Walker, 1849 *List Dipt. Brit. Mus.* 4: 1019.

Lamprogaster caerulea (Macq., 1846) Schiner, 1868 *Dipt. Novara Reis.* :285.

Celetor caerulea (Macq., 1846) Loew, 1873 *Mon. N. Amer. Dipt.* 3: 41.
Hendel, 1914a :115; 1914b :247. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 506. Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* 8 (5): 211.

Distribution: Most Australian States.

This species has the peculiar habit of resting on the long, sharp-edged, siliceous leaves of "grass-trees" (*Xanthorrhoea* spp.) with the outspread wings pressed flat against the leaf surface. This habit, aided by the markings on the wings, gives the insects the appearance of spiders. When the plant is approached, the insects make no attempt to fly; they merely close their wings rapidly, and drop down in the spiny centre of the plant where they are more than adequately protected. This behaviour has been noted by several entomologists, but the association between insect and plant is unknown.

*2. **L. dentipes** (Macquart, 1843)

Ortalis dentipes Macquart, 1843 *Dipt. exot.* 2: 210 Pl. 28, Fig. 5.

Ceratitis? dentipes (Macq., 1843) Guérin, 1843 *Rev. zool.* 6: 200.

Lenophila dentipes (Macq., 1843) Guérin, 1843 *ibid* 6: 200.

Tephritis strigipennis Macquart, 1850 *Dipt. exot. Supp.* 4: 290 Pl. 27, Fig. 2.

Lamprogaster dentipes (Macq., 1843) Schiner, 1868 *Dipt. Novara Reis.* 285.

Celetor dentipes (Macq., 1843) Loew, 1873 *Mon. N. Amer. Dipt.* 3: 41.

Lenophila dentipes (Macq., 1843) Bezzi, 1913 *Mem. Indian Mus.* 3: 70 (No. 75).

Celetor dentipes (Macq., 1843) Hendel, 1914a :115; 1914b :246.
Enderlein, 1924 *Mitt. zool. Mus. Berlin* 11: 120. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 506.

Distribution: New South Wales (Australia).

This genus has long been wrongly known as *Celetor*. When Loew erected *Celetor*, he designated *Celetor caerulea* (Macq., 1846) as the type species, being unaware that Guérin (1843) had already proposed *Lenophila*, and by giving a full re-description of *Lenophila dentipes* (Macq., 1843) had made it the type species of the genus. Bezzi (1913) was aware of Guérin's

work but in his paper in *Mem. Indian Mus.* he merely cited the correct name without comment, so that the incorrect *Celetor* has hitherto been used by almost all earlier workers in the Otitidae. The above facts necessitate the transfer of both species to *Lenophila* with *Ortalis dentipes* Macq., 1843 as the type species of the genus.

52. Genus: **SCHOLASTES** Loew, 1873

Loew, 1873 *Mon. N. Amer. Dipt.* **3**: 38. Hendel, 1914a :117; 1914b :248. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 127.

Type species: *Platystoma cinctum* Guérin, 1830.

*1. **S. aitapensis** Malloch, 1939

Scholastes aitapensis Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 128, Pl. 5, Fig. 24; 1940 *Ann. Mag. nat. Hist.* **6**: 20; 1942 *Bernice P. Bishop Mus. Bull.* **172**: 207; 1946 *ibid* **189**: 199.

Distribution: New Guinea; Guam; Solomon Islands; Shortland Island; Admiralty Islands.

*2. **S. bimaculatus** Hendel, 1914

Scholastes bimaculatus Hendel, 1914b :252; 1914a :117. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 121. Bezzi, 1928 *Dipt. . . . Fiji* :92. Malloch, 1930 *Ins. Samoa* **6** (5): 223; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 129.

S. solomonensis Curran, 1936. Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 73.

Distribution: New Britain; Fiji; Samoa; Hawaii.

3. **S. carolinensis** Enderlein, 1924

Scholastes carolinensis Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 121.

Distribution: Caroline Islands.

*4. **S. cinctus** (Guérin, 1830)

Platystoma cinctum Guérin, 1830 *Voy. Coquille Zool.* :299 Pl. 21, Fig. 9.

Scholastes cinctus (Guérin, 1830) Hendel, 1914b :249; 1914a :117. Bezzi, 1913 *Mem. Indian Mus.* **3**: 71, 72 (Nos. 99 and 102); 1917 *Philippine J. Sci. (D)* **12**: 139; 1928 *Dipt. . . . Fiji* :91. de Meijere, 1915 *Tijd. Ent.* **58**: 132. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 120. Malloch, 1930 *Ins. Samoa* **6** (5): 22; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 128 Pl. 5, Fig. 23.

S. whitneyi Curran, 1936. Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 73.

Distribution: New South Wales (Australia); New Guinea; New Britain; Java; Philippines; Fiji.

5. **S. frauenfeldi** (Schiner, 1868)

Dacus frauenfeldi Schiner, 1868 *Dipt. Novara Reis.* :285. Bezzi, 1913 *Mem. Indian Mus.* **3**: 72 (No. 114).

Scholastes frauenfeldi (Schiner, 1868) Hendel, 1914a :117; 1914b :251. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 121.

Distribution: Java; Caroline Islands.

6. **S. furcatifascia** Enderlein, 1924

Scholastes furcatifascia Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 121.

Distribution: Borneo.

7. **S. hirtiventris** Malloch, 1942

Scholastes hirtiventris Malloch, 1942 *Bernice P. Bishop Mus. Bull.* **172**: 208. Swezey, 1946 *ibid* **189**: 199.

Distribution: Guam.

8. **S. lonchifera** Hendel, 1914

Scholastes lonchifera Hendel, 1914b :253; 1914a :117. Bezzi, 1928 *Dipt. . . . Fiji* :92. Malloch, 1932 *Bernice P. Bishop Mus. Bull.* **98**: 205; 1939 *Proc. Linn. Soc. N.S.W.* **64**: 129.

Distribution: Cook Islands; Society Islands; Fiji.

*9. **S. palmyra** Curran, 1936

Scholastes palmyra Curran, 1936 *Proc. Calif. Acad. Sci.* (4th Ser.) **22** (1): 24 Pl. 1, Fig. 5.

Distribution: Solomon Islands.

10. **S. sexvittatus** (Walker, 1861)

Lamprogaster sexvittata Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 261.

Scholastes distigma Hendel, 1914b :252. Frey, 1930 *Notul. ent. Helsingf.* **10**: 56 (as *S. distigma*, Hendel).

Scholastes sexvittatus (Walker, 1861) Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 74.

Distribution: Java; Admiralty Islands.

*11. **S. taylori** Malloch, 1939

Scholastes taylori Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 129 Pl. 5, Fig. 25.

Distribution: New Guinea.

12. *S. trifasciatus* Enderlein, 1924

Scholastes trifasciatus Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 122.

Distribution: Mariana Islands.

58. Genus: **PSEUDORICHARDIA** Hendel, 1911

Hendel, 1911 :21 (footnote); 1914b :267; 1914a :123.

Although Hendel gave no complete description of *Pseudorichardia* until 1914b :267 his footnote in *Gens. Ins.* (**113**: 21) complies with the minimum requirements of Article 25 (a) of the Rules.

Type species: *Richardia flavitarsis* Macquart, 1850.

1. *P. aristalis* Bezzi, 1928

Pseudorichardia aristalis Bezzi, 1928 *Dipt. . . . Fiji* :93. Fig. 27.

Steyskal, 1952 *Occas. Pap. Bernice P. Bishop Mus.* **21**: 64.

Distribution: Fiji.

2. *P. bezziana* Steyskal, 1952

Pseudorichardia bezziana Steyskal, 1952 *Occas. Pap. Bernice P. Bishop Mus.* **21**: 64.

Distribution: New Hebrides.

3. *P. flavitarsis* (Macquart, 1850)

Richardia flavitarsis Macquart, 1850 *Dipt. exot. Supp.* **5**: 121 Pl. 7, Fig. 3.

Pseudorichardia flavitarsis (Macquart, 1850). Hendel, 1911 *Gens. Ins.* **113**: 21 (footnote); 1914a *ibid* **157**: 124; 1914b :267. Bezzi, 1928 *Dipt. . . . Fiji* :92 Fig. 26. Malloch, 1929 *Ann. Mag. nat. Hist.* (ser. 10) **4**: 100; 1930 *Ins. Samoa* **6** (5): 222; 1932 *Bernice P. Bishop Mus. Bull.*: 206. Steyskal, 1952 *Occas. Pap. Bernice P. Bishop Mus.* **21** (5): 66.

Distribution: Malay Archipelago; Samoa; Tahiti; Marquesa Islands; Society Islands.

4. *P. interrupta* (Bezzi, 1928)

Pseudorichardia flavitarsis (Macq., 1850) var. *interrupta* Bezzi, 1928. *Dipt. . . . Fiji* :92 Fig. 26.

Pseudorichardia interrupta (Bezzi, 1928) Steyskal, 1952 *Occas. Pap. Bernice P. Bishop Mus.* **21**: 66.

Distribution: Fiji.

59. Genus: **BREA** Walker, 1859

Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 117. Hendel, 1914a :125; 1914b :260. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Type species: *Brea contraria* Walker, 1859.

*1. **B. angustilimbata** de Meijere, 1915

Brea angustilimbata de Meijere, 1915 *Tijd. Ent.* **58**: 129.

Distribution: New Guinea.

*2. **B. basalis** Enderlein, 1924

Brea basalis Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 129. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 125.

Distribution: New Guinea.

*3. **B. contraria** Walker, 1859

Brea contraria Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 117. Hendel, 1914a :126; 1914b :269. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 124 Pl. 4, Fig. 21.

Distribution: Aru Islands (New Guinea).

*4. **B. discalis** Walker, 1859

Brea discalis Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 117. Hendel, 1914a :126; 1914b :272. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 124.

Distribution: Aru Islands (New Guinea).

*5. **B. discifera** Hendel, 1914

Brea discifera Hendel, 1914b :270; 1914a :126. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 124.

Distribution: New Guinea.

*6. **B. flavipes** de Meijere, 1913

Brea flavipes de Meijere, 1913 *Nov. Guin.* **9**: 371; 1915 *Tijd. Ent.* **58**: 130. Hendel, 1914a :126; 1914b :272. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 124.

Distribution: New Guinea.

*7. **B. magnifica** Hendel, 1914

Brea magnifica Hendel, 1914b :271; 1914a :127. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 125 Pl. 5, Fig. 22.

Distribution: New Guinea.

*8. **B. nouhuysi** de Meijere, 1913

Brea nouhuysi de Meijere, 1913 *Nov. Guin.* **9**: 370 Pl. 10, Fig. 42; 1915 *Tijd. Ent.* **58**: 130. Hendel, 1914a :127; 1914b :270.

Distribution: New Guinea.

*9. **B. ralumensis** Enderlein, 1924

Brea ralumensis Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 129. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 125.

Distribution: New Britain.

61. Genus: **CHAETORIVELLIA** de Meijere, 1913 (Monotypic)

de Meijere, 1913 *Nov. Guin.* **9**: 376. Hendel, 1914a :128; 1914b :276. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 127.

Type species: *Ortalis trifasciata* Doleschall, 1859.

*1. **C. trifasciata** (Doleschall, 1859)

Ortalis trifasciata Doleschall, 1859 *Nat. Tijd. Ned. Ind.* **17**: 121.

Chaetorivellia trifasciata (Doleschall, 1859) de Meijere, 1913 *Nov. Guin.* **9**: 376; 1915 *Tijd. Ent.* **58**: 132. Hendel, 1914a :129; 1914b :276. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 127.

Distribution: New Guinea.

62. Genus: **DASYORTALIS** Hendel, 1914

Hendel, 1914b :277; 1914a :129. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 506; 1939 *ibid* **64**: 102.

Type species: *Ortalis complens*, Walker, 1859.

*1. **D. angustifrons** Hendel, 1914

Dasyortalis angustifrons Hendel, 1914b :279; 1914a :131. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 103.

Distribution: New Guinea.

*2. **D. barbata** Hendel, 1914

Dasyortalis barbata Hendel, 1914b :279; 1914a :131. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 103.

Distribution: New Guinea.

*3. **D. complens** (Walker, 1859)

Ortalis complens Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 118.

Dasyortalis complens (Walker, 1859) (*Nom. nud.*) de Meijere, *Nov. Guin.* **9**: 378. Hendel, 1914b :277; 1914a :131. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 506; 1939 *ibid* **64**: 102 Pl. 4, Figs. 1, 2.

Distribution: New Guinea; Solomon Islands; Moluccas.

Curran, 1936 (*Proc. Cal. Acad. Sci.* **22**: 54) and Malloch, 1939 (*Proc. Linn. Soc. N.S.W.* **64**: 103) have described two doubtful varieties of this species—var. *fasciata* Curran, and var. *separata* Malloch. Both require further study before their status can be determined.

*4. **D. goniceps** Hendel, 1914

Dasyortalis goniceps Hendel, 1914b :281; 1914a :131. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 103.

Distribution: New Guinea.

5. **D. ? leucomera** (Walker, 1863)

Ortalis leucomera Walker, 1863 *J. Proc. Linn. Soc. Lond.* **7**: 219.

Dasyortalis leucomera (Walker, 1863) Hendel, 1914a :131; 1914b :277 (footnote).

Distribution: Moluccas.

Examination of the type will be necessary to determine the genus to which this species belongs.

6. **D. signifacies** (Walker, 1861)

Trypeta signifacies Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 165. Bezzi, 1913 *Mem. Indian Mus.* **3**: 79 (No. 240).

Dasyortalis signifacies (Walker, 1861) Hardy, 1959 *Bull. Brit. Mus. (nat. Hist.) Ent.* **8** (5): 223.

Distribution: Moluccas.

7. **D. ? tarsalis** (Walker, 1861)

Ortalis tarsalis Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 296.

Dasyortalis tarsalis (Walker, 1861) Hendel, 1914a :131; 1914b :277 (footnote).

Distribution: Moluccas.

Examination of the type will be necessary to determine the genus to which this species belongs.

65. Genus: **TROPIDOGASTRELLA** Hendel, 1914

Hendel, 1914b :285; 1914a :134.

Type species: *Tropidogastrella tropida* Hendel, 1914.

1. **T. cristiventris** (Gerstäcker, 1860)

Gorgopsis cristiventris Gerstäcker, 1860 *Stett. ent. Zeit.* **21**: 135.

Tropidogastrella cristiventris (Gerstäcker, 1860) Hendel, 1914b :287; 1914a :136. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 130. Bezzi, 1913 *Philippine J. Sci.* (D) **8**: 321. Frey, 1930 *Notul. ent. Helsingf.* **10**: 56.

Distribution: Moluccas.

2. **T. decora** (de Meijere, 1911)

Zygaenula decora de Meijere, 1911 *Tijd. Ent.* **54**: 371.

Tropidogastrella decora (de Meijere, 1911) Hendel, 1914a :136; 1914b :289. Frey, 1930 *Notul. ent. Helsingf.* **10**: 56.

Distribution: Java.

The type species was recorded from Taiwan.

66. Genus: **ASYNTONA** Osten-Sacken, 1881

Osten-Sacken, 1881 *Ann. Soc. ent. France* (series 6) **1**: 135. Hendel, 1914a :136; 1914b :290. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 121.

Type species: *Lamprogaster tetyroides* Walker, 1859.

*1. **A. flaviceps** Hendel, 1914

Asyntona flaviceps Hendel, 1914b :291; 1914a :138. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 122.

Distribution: New Guinea.

*2. **A. tetyroides** (Walker, 1859)

Lamprogaster tetyroides Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 112.

Asyntona tetyroides (Walker, 1859) Hendel, 1914b :290; 1914a :138. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 130. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 122 Pl. 4, Fig. 20.

Distribution: New Guinea.

67. Genus: **ZYGAENULA** Doleschall, 1858

Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 117. Hendel, 1914a :138; 1914b :292. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Type species: *Zygaenula paradoxa* Doleschall, 1858.

See note at end of *Mesoctenia*, No. 67A.

*1. **Z. coalescens** Hendel, 1914

Zygaenula coalescens Hendel, 1914b :293.

Mesoctenia coalescens (Hendel, 1914) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Distribution: New Britain.

*2. **Z. hylaris** Hendel, 1914

Zygaenula hylaris Hendel, 1914b *Abh. zool. -bot. Ges. Wien* **8**: 294.

Mesoctenia hylaris (Hendel), 1914 Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Distribution: New Guinea.

3. **Z. paradoxa** Doleschall, 1858

Zygaenula paradoxa Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 118. Hendel, 1914a :139; 1914b :292. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 130. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Distribution: Moluccas.

67A. Genus: ? **MESOCTENIA** Enderlein, 1924 (Monotypic)

Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 130. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123.

Type species: *Mesoctenia ralumensis* Enderlein, 1924.

*1. **M. ralumensis** Enderlein, 1924

Mesoctenia ralumensis Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 131. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 123. (A possible synonym of *Zygaenula coalescens*.)

Distribution: New Guinea.

NOTE: Although *Zygaenula* and *Mesoctenia* are shown in this catalogue as being distinct genera, the status of neither can at present be defined, nor species allotted to either with certainty. All that can be done is to detail the events that have led to the confusion, leaving clarification of the situation to the future.

Doleschall (1858 *Nat. Tijd. Ned. Ind.* **17**: 117) erected *Zygaenula* for the reception of his species, *paradoxa*. By monotypy *Z. paradoxa* is the type species of the genus, *Zygaenula*.

Hendel (1914a) revised the genus. He began by synonymizing *Gorgopsis bucephala* Gerstäcker, 1860 (misprinted in A as *G. hucephala*), with *Z. paradoxa*, quoting *verbatim*, Gerstäcker's description of *G. bucephala* as that of *paradoxa* (Hendel 1914a: 292). To *Zygaenula*, he transferred

Lamprogaster celyphoides Walker, 1859. He also suggested that "Vielleicht gehört hierher auch *Ortalis dispila* Thomson, 1868" (*ibid*: 292 footnote), though he omitted this species from his key to, and discussion on, the genus. He described two species *Z. coalescens* and *Z. hilaris*. Thus, as he saw it, *Zygaenula* comprised the species, *paradoxa* (type species of the genus), *celyphoides*, *coalescens* and *hilaris*, with *O. dispila* in abeyance. Hendel must have considered that the species he added to *Zygaenula* had the generic characters of *paradoxa*.

In 1924, Enderlein (*Mitt. zool. Mus. Berlin* 11: 130) erected the monotypic genus, *Mesoctenia* for his new species, *ralumensis* (*ibid* :131) which he designated as the type species of *Mesoctenia*. He distinguished his genus from *Zygaenula* (of which he claimed to have three males and one female of *paradoxa* from Amboina) "durch die Anwesenheit einer Längsreihe kurzer kräftiger dornartiger Borsten auf der Unterseite (aufsen) der etwas verdickten Mittelschenkel".

In 1939, Malloch (*Proc. Linn. Soc. N.S.W.* 64: 123) discussed both genera. From Enderlein's description, he synonymized *M. ralumensis* with *Z. coalescens*. But he accepted *Mesoctenia* as a valid genus with *Z. coalescens* (= *M. ralumensis*) as its type species. To *Mesoctenia* he transferred *Z. celyphoides* and *Z. hilaris*. He left *paradoxa* in *Zygaenula* as "it is unknown to me", and he ignored *O. dispila*.

As revised by him, *Zygaenula* regained its monotypic status with *Z. paradoxa* as its type species, while his enlarged *Mesoctenia* contained *coalescens* (type of the genus), *celyphoides*, and *hilaris*. Since he admitted knowing nothing of *Z. paradoxa*, it is difficult to understand how Malloch could distinguish between *Zygaenula* and *Mesoctenia*. His reliance on Enderlein appears to be his only reason. His ignoring of *O. dispila* would seem to indicate that he regarded it as too doubtful for placement in a genus.

Because of the impossibility of making correct decisions based on the above facts alone, the author has been forced to adopt a makeshift arrangement: *Zygaenula*, as revised by Hendel, is, for the time being, accepted; *Mesoctenia* is of doubtful validity.

68. Genus: **NAUPODA** Osten-Sacken, 1881

Osten-Sacken, 1881 *Ann. Soc. ent. France* (Ser. 6) 1: 135. Hendel, 1914a :140; 1914b :295. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* 54: 513; 1939 *ibid* 64: 122.

Type species: *Naupoda platessa* Osten-Sacken 1882.

*1. **N. insularis** Paramonov, 1957

Naupoda insularis Paramonov, 1957 *Ann. Mag. nat. Hist.* (Ser. 12) 10: 781.
Distribution: Lord Howe Island (Australia).

2. **N. platessa** Osten-Sacken, 1882

Naupoda platessa Osten-Sacken, 1882 *Berl. ent. Zeit.* **26**: 223 Fig. 6. Bezzi, 1913 *Philippine J. Sci.* (D) **8**: 321. Hendel, 1914a :141; 1914b :296. Frey, 1930 *Notul. ent. Helsingf.* **10**: 57.

Distribution: Philippines.

*3. **N. regina** Hendel, 1914

Naupoda regina Hendel, 1914b :298; 1914a :141. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 513. 1939 *ibid* **64**: 122.

Distribution: New Guinea; Queensland (Australia).

4. **N. simmondsi** Bezzi, 1928

Naupoda simmondsi Bezzi, 1928 *Dipt. . . . Fiji* :95.

Distribution: Fiji.

5. **N. strigifera** de Meijere, 1919

Naupoda strigifera de Meijere, 1919 *Bijdr. Dierk.* **21**: 33 Pl. 2, Fig. 13. Bezzi, 1928 *Dipt. . . . Fiji* :95.

Distribution: Sumatra.

6. **N. unifasciata** Bezzi, 1917

Naupoda unifasciata Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 141. Frey, 1930 *Notul. ent. Helsingf.* **10**: 57.

Distribution: Philippines.

*7. **N. ventralis** Curran, 1936

Naupoda ventralis Curran, 1936 *Proc. Calif. Acad. Sci.* (Ser. 4) **22**: 26.

Distribution: Solomon Islands.

8. **N. ypsilon** v. d. Wulp, 1898

Naupoda ypsilon v. d. Wulp, 1898 *Tijd. Ent.* **41**: 206 Pl. 10, Fig. 2. Hendel, 1914a :141; 1914b :297.

Distribution: Java.

9. **N. ypsilonoides** de Meijere, 1924

Naupoda ypsilonoides de Meijere, 1924 *Tijd. Ent.* **67** (supp.) :42.

Distribution: Java.

69. Genus: **PTEROGENIA** Bigot, 1859

Bigot, 1859 *Rev. Mag. Zool.* (Ser. 2) **11**: 315 Pl. 11, Figs. 2a-2c.
Hendel, 1914a :141; 1914b :304. Malloch, 1929 *Proc. Linn. Soc. N.S.W.*
54: 513; 1939 *ibid* **64**: 125.

Type species: *Pterogenia singularis* Bigot, 1859.

1. **P. basilutea** (Walker, 1857)

Lamprogaster basilutea Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 131.
Pterogenia basilutea (Walker, 1857) Hendel, 1914a :145; 1914b :329.

Distribution: Borneo.

2. **P. bifasciata** Enderlein, 1924

Pterogenia bifasciata Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 133.

Distribution: Sumatra.

3. **P. boettcheri** Frey, 1930

Pterogenia boettcheri Frey, 1930 *Notul. ent. Helsingf.* **10**: 58.

Distribution: Philippines.

*4. **P. brevis** (Walker, 1865)

Platystoma breve Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 120.
Pterogenia brevis (Walker, 1865) Hendel, 1914a :145; 1914b :325.

Distribution: New Guinea.

5. **P. centralis** Bezzi, 1917

Pterogenia centralis Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 148. Frey,
1930 *Notul. ent. Helsingf.* **10**: 60.

Distribution: Philippines.

6. **P. dayak** Bigot, 1859

Pterogenia dayak Bigot, 1859 *Rev. Mag. Zool.* (Ser. 2) **11**: 316 Pl. 16,
Fig. 2. Hendel, 1914a :145; 1914b :314.

Distribution: Borneo.

7. **P. divisa** (Walker, 1857)

Lamprogaster divisa Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 131.
Pterogenia divisa (Walker, 1857) Hendel, 1914a :146; 1914b :324.

Distribution: Borneo.

8. **P. flavicornis** Frey, 1930

Pterogenia flavicornis Frey, 1930 *Notul. ent. Helsingf.* **10**: 59.

Distribution: Philippines.

*9. **P. fuliginosa** Hendel, 1914

Pterogenia fuliginosa Hendel, 1914b :309; 1914a :146. Malloch, 1939
Proc. Linn. Soc. N.S.W. **64**: 126.

Distribution: New Guinea.

10. **P. glabra** (Walker, 1857)

Lamprogaster glabra Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 30.
Pterogenia glabra (Walker, 1857) Hendel, 1914a :146; 1914b :324.

Distribution: Singapore.

11. **P. glabrella** Hendel, 1914

Lamprogaster glabra Walker, 1857 pp. *J. Proc. Linn. Soc. Lond.* **1**: 131.
Pterogenia glabrella Hendel, 1914b :310; 1914a :146.

Distribution: Sarawak.

12. **P. glabrina** Hendel, 1914

Lamprogaster glabra Walker, 1857 pp. *J. Proc. Linn. Soc. Lond.* **1**: 131.
Pterogenia glabrina Hendel, 1914b :318; 1914a :146.

Distribution: Sarawak.

Walker, 1857, under the name of *P. glabra* included three closely-related species—*P. glabra*, *P. glabrella* and *P. glabrina*. Hendel, 1914b distinguished the three species, naming the two which were distinct from *glabra*.

13. **P. guttata** (Walker, 1857) (No. 1)

Lamprogaster guttata Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 31.
Pterogenia guttata (Walker, 1857) Hendel 1914b :325; 1914a :146.

Distribution: Singapore.

13a. **P. guttata** (Walker, 1857) (No. 2)

Lamprogaster guttata Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 132.
Pterogenia guttata (Walker, 1857) Hendel, 1914b :326; 1914a :146.

Distribution: Borneo.

In 1857, Walker (*loc. cit.*) applied the name *Lamprogaster guttata* to two of his *sp. nov.* Whether these are one and the same species, or whether they are distinct, can be determined only after the types have been examined. It will then be possible to place them generically. I know of no evidence to justify Hendel's transference of them to *Pterogenia*, but this is accepted here for convenience.

14. **P. hamifera** Frey, 1930

Pterogenia hamifera Frey, 1930 *Notul. ent. Helsingf.* **10**: 58 Pl. 1, Fig. 3.

Distribution: Philippines.

*15. **P. latericia** Hendel, 1914

Pterogenia latericia Hendel, 1914b :312; 1914a :146. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 126.

Distribution: Queensland; New South Wales (Australia).

16. **P. laticeps** Bezzi, 1917

Pterogenia laticeps Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 145; 1928 *Dipt. Fiji* :97. Frey, 1930 *Notul. ent. Helsingf.* **10**: 59.

Distribution: Philippines.

17. **P. luteipennis** Bezzi, 1917

Pterogenia luteipennis Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 147. Frey, 1930 *Notul. ent. Helsingf.* **10**: 59.

Distribution: Philippines.

18. **P. niveitarsis** (Bigot, 1859)

Agastrodes niveitarsis Bigot, 1859 *Rev. Mag. Zool.* **11**: 312.

Pterogenia niveitarsis (Bigot, 1859) Hendel, 1914b :307; 1914a :146.

Distribution: Ceylon; Borneo.

*19. **P. nubecula** Hendel, 1914

Pterogenia nubecula Hendel, 1914b :34; 1914a :146. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 126.

Distribution: Queensland; New South Wales (Australia).

*20. **P. nudiseta** Bezzi, 1928

Pterogenia nudiseta Bezzi, 1928 *Dipt. Fiji.* :97.

Distribution: Lord Howe Island (Australia).

21. **P. parva** Bezzi, 1917

Pterogenia parva Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 144. Frey, 1930 *Notul. ent. Helsingf.* **10**: 59.

Distribution: Philippines.

*22. **P. pectoralis** Hendel, 1914

Pterogenia pectoralis Hendel, 1914b :316; 1914a :146. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 126.

Distribution: New Guinea.

23. **P. punctata** (Walker, 1857)

Lamprogaster punctata Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 132.

Pterogenia punctata (Walker, 1857) Hendel, 1914b :324; 1914a :146.

Distribution: Borneo.

24. **P. ruficrus** Hendel, 1914

Pterogenia ruficrus Hendel, 1914b :321; 1914a :146.

Distribution: Java.

*25. **P. scutellaris** (Walker, 1859)

Lamprogaster scutellaris Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 112.

Pterogenia scutellaris (Walker, 1859) Hendel, 1914b :327; 1914a :146.

Distribution: New Guinea.

*26. **P. similis** Malloch, 1939

Pterogenia similis Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 126.

Distribution: Queensland (Australia).

27. **P. singularis** Bigot, 1859

Pterogenia singularis Bigot, 1859 *Rev. Mag. Zool.* (ser. 2) **11**: 315 Pl. 11,
Figs. 2a-c. Hendel, 1914a :146; 1914b :305.

Distribution: Amboina, Celebes.

28. **P. subcruciata** Frey, 1930

Pterogenia subcruciata Frey, 1930 *Notul. ent. Helsingf.* **10**: 60 Pl. 1, Fig. 4.

Distribution: Philippines.

29. **P. tristis** Bezzi, 1917

Pterogenia tristis Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 143. Frey, 1930
Notul. ent. Helsingf. **10**: 59.

Distribution: Philippines.

30. **P. truncatula** (Walker, 1857)

Lamprogaster truncatula Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 31.

Pterogenia truncatula (Walker, 1857) Hendel, 1914b :325; 1914a :146.

Distribution: Singapore.

31. **P. valida** Bezzi, 1917

Pterogenia valida Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 142. Frey, 1930
Notul. ent. Helsingf. **10**: 58.

Distribution: Philippines.

32. **P. variipennis** Walker, 1861

Pterogenia variipennis Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 292.
Hendel, 1914a :146; 1914b :326.

Distribution: Moluccas.

33. **P. vittata** (Walker, 1857)

Lamprogaster vittata Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 31.
Pterogenia vittata (Walker, 1857) Hendel, 1914b :328; 1914a :146.

Distribution: Sumatra; Singapore.

34. **P. vittifinis** Walker, 1861

Pterogenia vittifinis Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 292. Hendel,
1914a :146; 1914b :327.

Distribution: Moluccas.

35. **P. zonata** (Walker, 1857)

Lamprogaster zonata Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 30.
Pterogenia zonata (Walker, 1857) Hendel, 1914a :146; 1914b :328.

Distribution: Singapore.

69A. Genus: **NEOHEMIGASTER** Malloch, 1939

Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 126.

Type species: *Hemigaster albovittatus* Rondani, 1875.

1. **N. albovittata** (Rondani, 1875)

Hemigaster albovittatus Rondani, 1875 *Ann. Mus. Stor. nat. Genova* **7**: 431.
Pterogenia albovittata (Rondani, 1875) Hendel, 1914b :322.
Neohemigaster albovittata (Rondani, 1875) Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 127.

Distribution: Borneo.

69B. Genus: **CHAETOSTICHIA** Enderlein, 1924

Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 133.

Type species: *Chaetostichia aduncivena* Enderlein, 1924.

1. **C. aduncivena** Enderlein, 1924

Chaetostichia aduncivena Enderlein, 1924 (*ibid*) **11**: 134.

Distribution: Java.

70. Genus: **EUPROSOPIA** Macquart, 1847

Macquart, 1847 *Dipt. exot. supp.* **2**: 89. Hendel, 1914a :147; 1914b :329. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 136. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 343; 1928 *ibid* **53**: 612; 1929 *ibid* **54**: 512; 1939 *ibid* **64**: 145; 1931 *Proc. U.S. nat. Mus.* **78** (15): 1.

Type species: *Euprosopia tenuicornis* Macquart, 1847.

1. **E. albifacies** (Doleschall, 1858)

Pachycephala albifacies Doleschall, 1858 *Nat. Tijds. Ned. Ind.* **17**: 117.

Euprosopia albifacies (Doleschall, 1858) Hendel, 1914a :149; 1914b :360. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 136.

Distribution: Amboina.

*2. **E. albolineata** de Meijere, 1913

Euprosopia albolineata de Meijere, 1913 *Nov. Guin.* **9**: 367 Pl. 10, Fig. 39. Hendel, 1914a :149; 1914b :345.

Distribution: New Guinea.

*3. **E. alticeps** Malloch, 1940

Euprosopia alticeps Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 81.

Distribution: Solomon Islands.

4. **E. atomaria** (Walker, 1861)

Platystoma atomaria Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 293.

Euprosopia atomaria (Walker, 1861) Hendel, 1914a :149.

Distribution: Moluccas.

*5. **E. aureovitta** Malloch, 1939

Euprosopia aureovitta Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 151 Pl. 5, Fig. 42.

Distribution: New Guinea.

*6. **E. australis** (Walker, 1849)

Platystoma australe Walker, 1849 *List Dipt. Brit. Mus.* **4**: 1061.

Euprosopia australis (Walker, 1849) Hendel, 1914a :149; 1914b :363.

Distribution: Australia (*sic.*).

7. **E. basalis** (Walker, 1860)

Platystoma basale Walker, 1860 *J. Proc. Linn. Soc. Lond.* **4**: 148.

Euprosopia basalis (Walker, 1860) Hendel, 1914a :149; 1914b :361.

Distribution: Celebes.

*8. **E. biarmata** Malloch, 1929

Euprosopia biarmata Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 512; 1930 *ibid* **55**: 431.

Distribution: Queensland (Australia).

*9. **E. bilineata** de Meijere, 1906

Euprosopia bilineata de Meijere, 1906 *Nov. Guin. 5 zool. Dipt.* :92 Pl. 1, Fig. 14. Hendel, 1914a :149; 1914b :349. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 149 Pl. 5, Fig. 35.

Distribution: New Guinea.

10. **E. brevicornis** Hendel, 1914

Euprosopia brevicornis Hendel, 1914b :335; 1914a :149.

Distribution: Borneo.

11. **E. calypterata** Enderlein, 1912

Euprosopia calypterata Enderlein, 1912 *Zool. Jahrb.* **33**: 359 Fig. D. Hendel, 1914a :149; 1914b :350.

Distribution: Sumatra.

12. **E. chalybea** Frey, 1930

Euprosopia chalybea Frey, 1930 *Notul. ent. Helsingf.* **10**: 60 Pl. 1, Fig. 6.

Distribution: Philippines.

*13. **E. conjuncta** Hendel, 1914

Euprosopia conjuncta Hendel, 1914b :339; 1914a :149. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 345; 1929 *ibid* **54**: 512; 1930 *ibid* **55**: 429.

Distribution: Queensland; Northern Territory (Australia).

*14. **E. connexa** Malloch, 1940

Euprosopia connexa Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 79.

Distribution: Solomon Islands.

15. **E. curta** (Osten-Sacken, 1882)

Notopsila curta Osten-Sacken, 1882 *Berl. ent. Z.* **26**: 210.

Euprosopia curta (Osten-Sacken, 1882) Hendel, 1914a :149; 1914b :332. Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 149. Frey, 1930 *Notul. ent. Helsingf.* **10**: 62.

Distribution: Philippines; Taiwan.

*16. **E. depressifrons** Malloch, 1940

Euprosopia depressifrons Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 86.

Distribution: Solomon Islands.

17. **E. dorsata** Hendel, 1914

Euprosopia dorsata Hendel, 1914b :340; 1914a :149. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 9.

Distribution: Ceylon, Philippines.

*18. **E. dubitalis** Malloch, 1939

Euprosopia dubitalis Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 149 Pl. 5, Fig. 33.

Distribution: New Guinea.

19. **E. frontalis** (Walker, 1861)

Platystoma frontale Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 268.

Euprosopia frontalis (Walker, 1861) Hendel, 1914a :149; 1914b :362.

Distribution: Celebes.

*20. **E. fusifacies** (Walker, 1859)

Platystoma fusifacies Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 113.

Euprosopia fusifacies (Walker, 1859) Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 473. Hendel, 1914a :149; 1914b :347. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 151 Pl. 5, Fig. 41.

Euprosopia squamifera de Meijere, 1913 *Nov. Guin.* **9**: 368 Pl. 10, Fig. 40.

Distribution: New Guinea.

21. **E. gigas** Bezzi, 1917

Euprosopia gigas Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 151. Frey, 1930 *Notul. ent. Helsingf.* **10**: 62.

Distribution: Philippines.

*22. **E. impingens** (Walker, 1865)

Platystoma impingens Walker, 1865 *J. Proc. Linn. Soc. Lond.* **8**: 134.

Euprosopia impingens (Walker, 1865) Hendel, 1914b :345; 1914a :149. Edwards, 1915 *Trans. zool. Soc. Lond.* **20**: 416. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 151 Pl. 5, Fig. 40.

Lepidocompsia impingens (Walker, 1865) Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 137.

Distribution: New Guinea.

The status of Enderlein's monotypic genus, *Lepidocompsia*, cannot at present be determined.

*23. **E. innocua** Malloch, 1939

Euprosopia innocua Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 152 Pl. 5, Fig. 43.

Distribution: New Guinea.

Malloch (*ibid*) suggests that this species is possibly *Tetrachaetina burgersiana* Enderlein, 1924 *q.v.*

*24. **E. insulicola** Malloch, 1940

Euprosopia insulicola Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 84.

Distribution: Solomon Islands.

*25. **E. lepida** Curran, 1936

Euprosopia lepida Curran, 1936 *Proc. Calif. Acad. Sci.* (4th Ser.) **22** (1): 25 Pl. 1, Fig. 2.

Distribution: Guadalcanal Islands (Solomon Islands).

26. **E. lepidophora** Bezzi, 1917

Euprosopia lepidophora Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 153. Frey, 1930 *Notul. ent. Helsingf.* **10**: 47.

Distribution: Philippines.

27. **E. longicornis** Bezzi, 1917

Euprosopia longicornis Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 154. Frey, 1930 *Notul. ent. Helsingf.* **10**: 62. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 9.

Distribution: Philippines.

*28. **E. macrotegularia** Malloch, 1928

Euprosopia macrotegularia Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 345 Fig. 1; 1929 *ibid* **54**: 512; 1930 *ibid* **55**: 430.

Distribution: Queensland (Australia).

*29. **E. maculipennis** (Guérin), 1831

Platystoma maculipennis Guérin, 1831 *Voy. Coquille* Liv. 24, Pl. 21, Fig. 8, p. 299.

Euprosopia maculipennis (Guérin, 1831) Hendel, 1914b :358; 1914a :149. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 136. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 346; 1928 *ibid* **53**: 612; 1930 *ibid* **55**: 430.

Distribution: Queensland (Australia).

For details of publication date of *E. maculipennis* see Musgrave, 1932 *Bibliography of Australian Entomology 1775-1930* p. 133.

30. **E. metallica** Malloch, 1931

Euprosopia metallica Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 6.

Distribution: Philippines.

*31. **E. miliaria?** Hendel, 1914

Platystoma pectorale Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 13.

Euprosopia miliaria Hendel, 1914b :353; 1914a :149. Malloch, 1928
Proc. Linn. Soc. N.S.W. **53**: 346; 1929 *ibid* **54**: 512; 1939 *ibid* **64**: 148.

Distribution: New Guinea; Queensland (Australia).

Some doubt attaches to the specific name. Walker (1862) described this species as *Platystoma pectorale*. Although Hendel (b) was aware of this, when he transferred the species to *Euprosopia*, he substituted the specific name *miliaria* for *pectorale*, but gave no reasons for doing so. Neither Malloch (1928) could, nor Steyskal (in correspondence) can, give any explanation for his action.

Since attempted restoration of *pectorale* would only further cloud the issue, *miliaria* is here temporarily retained.

32. **E. millepuncta** Bezzi, 1917

Euprosopia millepuncta Bezzi, 1917 *Philippine J. Sci.* (D) **12**: 152. Frey, 1930 *Notul. ent. Helsingf.* **10**: 62. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 10.

Distribution: Philippines.

*33. **E. minor** Malloch, 1940

Euprosopia minor Malloch, 1940 *Ann. Mag. nat. Hist.* **6**: 82.

Distribution: Solomon Islands.

*34. **E. minuta** Malloch, 1939

Euprosopia minuta Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 148 Pl. 5, Fig. 32.

Distribution: New Guinea.

35. **E. mohnikei** (Doleschall, 1858)

Pachycephala mohnikei Doleschall, 1858 *Nat. Tijd. Ned. Ind.* **17**: 116.

Notopsila mohnikei (Dol. 1858) Osten-Sacken, 1882 *Berl. ent. Z.* **26**: 209.

Oncoscelia mohnikei (Dol. 1858) Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 136.

Euprosopia mohnikei (Dol. 1858) Hendel, 1914a :150; 1914b :359.

Distribution: Amboina.

See note under *Notopsila*.

*36. **E. multivitta** (Walker, 1859)

Platystoma multivitta Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 113.

Euprosopia multivitta (Walker, 1859) Hendel, 1914b :362; 1914a :150.

Distribution: New Guinea.

37. **E. nobilis** Frey, 1930

Euprosopia nobilis Frey, 1930 *Notul. ent. Helsingf.* **10**: 61 Pl. 1, Fig. 5.

Distribution: Philippines.

*38. **E. penicillata** Hendel, 1914

Euprosopia penicillata Hendel, 1914b :343; 1914a :150. Edwards, 1915
Trans. zool. Soc. Lond. **20**: 416. Malloch, 1939 *Proc. Linn. Soc. N.S.W.*
64: 151.

Distribution: New Guinea.

*39. **E. potens** (Walker, 1862)

Platystoma potens Walker, 1862 *J. Proc. Linn. Soc. Lond.* **6**: 12.

Euprosopia potens (Walker, 1862) Osten-Sacken, 1881 *Ann. Mus. Stor.
nat. Genova* **16**: 472. de Meijere, 1913 *Nov. Guin.* **9**: 369. Hendel,
1914a :150; 1914b :341. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**:
150 Pl. 5, Fig. 37.

Distribution: New Guinea; Moluccas.

40. **E. producta** (Walker, 1861)

Platystoma productum Walker, 1861 *J. Proc. Linn. Soc. Lond.* **5**: 293.

Euprosopia producta (Walker, 1861) Hendel, 1914a :150; 1914b :361.

Distribution: Moluccas.

*41. **E. protensa** (Walker, 1864)

Platystoma protensa Walker, 1864 *J. Proc. Linn. Soc. Lond.* **7**: 228.

Euprosopia protensa (Walker, 1864) Hendel, 1914a :150; 1914b :344.
Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 136. Malloch, 1939 *Proc.
Linn. Soc. N.S.W.* **64**: 150 Pl. 5, Fig. 36.

Distribution: New Guinea.

*42. **E. punctifacies** Malloch, 1928

Euprosopia punctifacies Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 346
Fig. 2; 1929 *ibid* **54**: 512; 1930 *ibid* **55**: 430.

Distribution: Queensland (Australia).

*43. **E. rufiventris** Hendel, 1914

Euprosopia rufiventris Hendel, 1914b :334; 1914a :150. Malloch, 1939
Proc. Linn. Soc. N.S.W. **64**: 148.

Distribution: New Guinea.

*44. **E. scatophaga** Malloch, 1930

Euprosopia scatophaga Malloch, 1930 *Proc. Linn. Soc. N.S.W.* **55**: 431;
1931 *Proc. U.S. nat. Mus.* **78** (15): 7.

Distribution: Queensland (Australia).

45. **E. semiarmata** Malloch, 1931

Euprosopia semiarmata Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 3.

Distribution: Philippines.

*46. **E. separata** Hendel, 1914

Euprosopia separata Hendel, 1914b :338; 1914a :150. Malloch, 1928
Proc. Linn. Soc. N.S.W. **53**: 344. 1929 *ibid* **54**: 512.

Distribution: Queensland (Australia).

*47. **E. setinervis** Malloch, 1939

Euprosopia setinervis Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 149 Pl. 5,
Fig. 34.

Distribution: New Guinea.

48. **E. sexpunctata** (Osten-Sacken, 1882)

Notopsila sexpunctata Osten-Sacken, 1882 *Berl. ent. Z.* **26**: 210.

Euprosopia sexpunctata (Osten-Sacken, 1882) Hendel, 1914b :359; 1914a
:150. Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 149. Frey, 1930 *Notul.*
ent. Helsingf. **10**: 61. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 8.

Distribution: Moluccas; Philippines.

49. **E. tarsalis** (Walker, 1864)

Platystoma tarsale Walker, 1864 *J. Proc. Linn. Soc. Lond.* **7**: 237.

Euprosopia tarsalis (Walker, 1864) Hendel, 1914b :360; 1914a :150.

Distribution: Moluccas.

*50. **E. tegularia** Malloch, 1928

Euprosopia tegularia Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 346, Fig. 3.

Distribution: Solomon Islands.

*51. **E. tenuicornis** Macquart, 1847

Euprosopia tenuicornis Macquart, 1847 *Dipt. exot. supp.* **2**: 90 Pl. 6, Fig. 4. Hendel, 1914a :150; 1914b :336. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 136. Malloch, 1928 *Proc. Linn. Soc. N.S.W.* **53**: 612; 1930 *ibid* **55**: 430; 1931 *Proc. U.S. nat. Mus.* **78** (15): 7.

Distribution: Queensland; New South Wales (Australia).

*52. **E. tigrina** Osten-Sacken, 1881

Euprosopia tigrina Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 473. Hendel, 1914a :150; 1914b :331. Malloch, 1929 *Proc. Linn. Soc. N.S.W.* **54**: 513; 1939 *ibid* **64**: 147.

Distribution: New Guinea.

53. **E. trivittata** Bezzi, 1917

Euprosopia trivittata Bezzi, 1917 *Philippine J. Sci. (D)* **12**: 150. Frey, 1930 *Notul. ent. Helsingf.* **10**: 61. Malloch, 1931 *Proc. U.S. nat. Mus.* **78** (15): 10.

Distribution: Philippines.

54. **E. ? truncata** (Enderlein, 1924) (*conj. nov.*)

Oncoscelia truncata Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 137.

Distribution: Celebes.

See note at end of ? *Notopsia*.

*55. **E. ventralis** (Walker, 1859)

Lamprogaster ventralis Walker, 1859 *J. Proc. Linn. Soc. Lond.* **3**: 131.

Euprosopia ventralis (Walker, 1859) Hendel, 1914b :343; 1914a :150. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 150 Pl. 5, Figs. 38, 39.

Distribution: New Guinea.

70A. Genus: ? **NOTOPSILA** Osten-Sacken, 1882

Osten-Sacken, 1882 *Berl. ent. Z.* **26**: 209.

The validity or otherwise of this genus has yet to be determined. It was erected by Osten-Sacken (*loc. cit.*) as a *nom. nov.* for *Pachycephala* Doleschall, 1858 (*Nat. Tijd. Ned. Ind.* **17**: 116—*Pachycephala mohnikei*) which was pre-occupied in Aves by *Pachycephala* Vigors, 1825.

Having overlooked Osten-Sacken's change, Enderlein in 1924 (*Mitt. zool. Mus. Berlin* **11**: 136) erected his genus *Oncoscelia* to replace *Pachycephala* Doleschall, designating *P. mohnikei* Dol., 1828 as the type species. At the same time, he transferred the Ceylonese species, *Euprosopia*

nigropunctata Hendel, 1914 (*Abh. zool.-bot. Ges. Wien* **8**: 356) to *Oncoscelia* and described as *sp. nov. O. truncata* from the Celebes (*ibid* **11**: 137).

As *N. nigropunctata* does not occur in the area covered by this catalogue, no further consideration of it is necessary. Hendel's placement of *mohnikei* is accepted, and a new combination, *Euprosopia truncata* is proposed for *Oncoscelia truncata* Enderlein, until the matter has been cleared up.

70B. Genus: ? **TETRACHAETINA** Enderlein, 1924 (Monotypic)

Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 138.

Type species: *T. burgersiana* Enderlein, 1924.

*1. **T. burgersiana** Enderlein, 1924

Tetrachaetina burgersiana Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 138.

Distribution: New Guinea.

This genus is doubtful. Malloch, 1939 (*Proc. Linn. Soc. N.S.W.* **64**: 153) claimed that it "is not tenable"; he also suggested that his own *Euprosopia innocua* (Malloch, 1939 *ibid*) might be a synonym of *T. burgersiana*. *Tetrachaetina* will probably later be rejected as a synonym of *Euprosopia*.

76. Genus: **EUTHYPLATYSTOMA** Hendel, 1914

Hendel, 1914b :398.

Type species: *Platystoma rigidum* Walker, 1857.

1. **E. plumatum** Hendel, 1914

Euthyplatystoma plumatum Hendel, 1914b :399; 1914a :160.

Distribution: Singapore.

2. **E. rigidum** (Walker, 1857)

Platystoma rigidum Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 32.

Euthyplatystoma rigidum (Walker, 1857) Hendel, 1914b :398; 1914a :160
Pl. 15, Fig. 284. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 153.

Distribution: India; Singapore; Celebes.

3. **E. superbum** (v. d. Wulp, 1881)

Platystoma superbum v. d. Wulp, 1881 *Dipt. Sumatra Exped.* :50 Pl. 3,
Fig. 5.

Euthyplatystoma superbum (v. d. Wulp, 1881) Hendel, 1914b :401; 1914a
:160.

Distribution: Sumatra.

77. Genus: **VALONIA** Walker, 1857 (Monotypic)

Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 34.

Type species: *Valonia complicata* Walker, 1857.

1. **V. complicata** Walker, 1857

Valonia complicata Walker, 1857 *J. Proc. Linn. Soc. Lond.* **1**: 34 Pl. 1, Fig. 6. Hendel, 1914a :161; 1914b :402. Enderlein, 1924 *Mitt. zool. Mus. Berlin* **11**: 150.

Distribution: Singapore.

II. Sub-family: OTITINAE

Type genus: *Otites* Latreille, 1804 *Nouv. Dict. Hist. nat.* **24**: 196.

1. Genus: **CERATOXYS** Rondani, 1861

Rondani, 1861 *Dipt. Ital. Prodr.* **4**: 10. Curran, 1934 *Fam. Gen. N. Amer. Dipt.* :281.

Ceratoxys was proposed by Rondani to replace *Meckelia* R.-D., 1830 (*Mém. Prés. Acad. Sci. Paris* **2**: 714) which was pre-occupied by *Meckelia* Leucart, 1828 (Vermes). *Anacampta* Loew, 1868 (*Z. Naturw. Berlin* **32**: 7) is a synonym.

1. **C. latiuscula** (Loew, 1873)

Anacampta latiuscula Loew, 1873 *Smithson. misc. Coll.* **11** (3): 130.

Distribution: North America (introduced into Hawaii).

III. Sub-family: ULIDIINAE

Type genus: *Ulidia* Meigen, 1826 *Syst. Besch. Eur. zweifl. Ins.* **5**: 385.

3. Genus: **PHYSIPHORA**, Fallén, 1810

Fallén, 1810 *Sp. Ent. nov. Dipt. Dispon. Methodus* :11.

Syn.: *Chrysomyza* Fallén, 1817 *Dipt. Suec. Scenopinii* :3.

Type species: *Musca demandata* Fabricius, 1798.

Until recently this genus has been wrongly known as *Chrysomyza* Fallén, 1817. After erecting *Physiphora* in 1810, Fallén thought that it was pre-occupied (which it was not), and suggested *Chrysomyza* in 1817 as a substitute. Since *Physiphora* is valid, *Chrysomyza* is to be rejected as a synonym.

*1. **P. aenea** (Fabricius, 1794)

Musca aenea Fab., 1794 *Ent. Syst.* **4**: 335.

Chrysomyza aenea (Fab., 1794) Hendel, 1910 *Gen. Ins.* **106**: 21 (for all references up to 1909).

Chrysomyza sp. Grimshaw, 1902 *Fauna Hawaiiensis* **3** (2): 85 (probably *C. aenea*).

Chrysomyza aenea (Fab., 1794) Bezzi, 1913 *Philippine J. Sci. (D)* **8**: 321. Knab, 1916 *Brooklyn ent. Soc. Bull.* **11**: 43 Fig. 1. Hardy, 1920 *Proc. Linn. Soc. N.S.W.* **45**: 472 (? Identification). Malloch, 1930 *Ins. Samoa* **6** (5): 215. Curran, 1934 *N. Amer. Dipt.* :277 Figs. 27, 46. Hennig, 1941 *Ent. Beihefte* **8**: 117. Malloch, 1942 *B.P. Bishop Mus. Bull.* **172**: 205.

Physiphora aenea (Fab., 1794) Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 285.

Distribution: India; Java; Sumatra; Borneo; New Guinea; New South Wales; Queensland; Northern Territory (Australia); New Caledonia; New Hebrides; Solomon Islands; Philippines; Taiwan; Samoa; Marshall Islands; Marianas Islands; Guam; Hawaii.

All records of this species need careful checking since it is easily confused with *P. demandata* (Fab., 1798).

*2. **P. aperta** Steyskal, 1952

Physiphora aperta Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 285 Figs. 1a, b.

Distribution: Solomon Islands.

*3. **P. demandata** (Fab., 1798)

Musca demandata Fabricius, 1798 *Ent. Syst. (Suppl.)* :564.

Chrysomyza demandata (Fab., 1798) Hendel, 1910 *Gen. Ins.* **106**: 21. Knab, 1916 *Brooklyn ent. Soc. Bull.* **11**: 41 Fig. 2.

Physiphora demandata (Fab., 1798) Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 284.

Distribution: Cosmopolitan: Europe; Africa; North America; Australia.

The one Australian record for this species consists of specimens caught and identified by me in various parts of South Australia. I have also reared adults from larvae infesting wet, badly-made ensilage. Despite wide collecting over more than forty years, I have not seen, in South Australia, a single specimen of *aenea*. These facts suggest to me the possibility that some at

least of the specimens recorded from Australia as *aenea* may well be mis-identifications. The two species may be readily distinguished by the wing venation. Knab, 1916 (*Brooklyn ent. Soc. Bull.* **11**: 43 Figs. 1, 2) gives good illustrations of the wings of both.

4. Genus: **EUXESTA** Loew, 1867

Loew, 1867 *Berl. ent. Zeit.* **11**: 297 Pl. 2, Figs. 7-20. Hendel 1910 *Gen. Ins.* **106**: 22 (see for all references prior to 1909). Malloch, 1930 *Ins. Samoa* **6** (5): 215; 1932 *B.P. Bishop Mus. Bull.* **98**: 208. Curran, 1934 *N. Amer. Dipt.* :277 Figs. 64; 85.

Type species: *Urophora quadrivittata* Macquart, 1835.

1. **E. hyalipennis** Malloch, 1932

Euxesta hyalipennis Malloch, 1932 *B.P. Bishop Mus. Bull.* **98**: 209. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 280.

Distribution: Marquesas Islands.

2. **E. lafooni** Steyskal, 1952

Euxesta lafooni Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 280.

Distribution: New Hebrides.

3. **E. pruinosa** Malloch, 1932

Euxesta pruinosa Malloch, 1932 *B.P. Bishop Mus. Bull.* **98**: 210. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 282.

Distribution: Marquesas Islands.

4. **E. quadrivittata** (Macquart, 1835)

Urophora quadrivittata Macquart, 1835 *Hist. nat. Dipt.* **2**: 456.

Euxesta quadrivittata (Macquart, 1835) Knab, 1916 *Brooklyn ent. Soc. Bull.* **11**: 44. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 282.

E. exilis Knab, 1916 (*loc. cit.*).

Distribution: Florida; Cuba; Jamaica (introduced into Hawaii and Philippines).

5. **E. semifasciata** Malloch, 1930

Euxesta semifasciata Malloch, 1930 *Ins. Samoa* **6** (5): 216 Fig. 1.

Distribution: Ellice Islands.

The possibility that one or more of the species, *hyalipennis*, *lafooni*, *pruinosa*, and *semifasciata* may be introductions from Central America or the Caribbean area should not be overlooked.

7. Genus: **PSEUDEUXESTA** Hendel, 1910Hendel, 1910 *Gen. Ins.* **106**: 30.Type species: *Pseudeuxesta prima* (Osten-Sacken, 1881).*1. **P. prima** (Osten-Sacken, 1881)*Pseudeuxesta prima* Osten-Sacken, 1881 *Ann. Mus. Stor. nat. Genova* **16**: 470.*Euxesta semifasciata* Malloch, 1930 *Ins. Samoa* **6** (5): 216.*Pseudeuxesta prima* (Osten-Sacken, 1881) Hendel, 1910 *Gen. Ins.* **106**: 32; 1931 *Verh. zool.-bot. Ges. Wien* **81**: 4. Malloch, 1939 *Proc. Linn. Soc. N.S.W.* **64**: 98. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 286.

Distribution: Celebes; Seychelles; Ceram; New Guinea; Solomon Islands; Palau Islands; Truk Islands; Marshall Islands; Marianas Islands; Hawaii.

17. Genus: **ACROSTICTA** Loew, 1867Loew, 1867 *Berl. ent. Z.* **11**: 293 Pl. 2, Fig. 5; 1873 *Smithson. misc. Coll.* **11** (3): 151. Hendel, 1910 *Gen. Ins.* **106**: 50.Type species: *Acrosticta scrobiculata* Loew, 1867.1. **A. apicalis** (Williston, 1896)*Euxesta apicalis* Williston, 1896 *Trans. ent. Soc. Lond.* **12**: 375 Pl. 12, Fig. 128.*Acrosticta pallipes* Grimshaw, 1901 *Fauna Hawaiiensis* **3** (1): 44; 1902 *ibid* **3** (2): 85. Hendel, 1910 *Gen. Ins.* **106**: 52. Bezzi, 1928 *Dipt. Fiji* :89. *Acrosticta apicalis* (Williston, 1896) Malloch, 1930 *Ins. Samoa* **6** (5): 217; 1932 *B.P. Bishop Mus. Bull.* **98**: 206. Bryan, 1934 *Proc. Haw. ent. Soc.* **8** (3): 430. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20** (15): 279.

See Steyskal, 1952 for complete bibliography.

Distribution: West Indies; (introduced into Hawaii).

21. Genus: **NOTOGRAMMA** Loew, 1867Loew, 1867 *Berl. ent. Z.* **11**: 289; 1873 *Smithson. misc. Coll.* **3**: 148. Hendel, 1910 *Gen. Ins.* **106**: 58.Type species: *Notogramma cimiforme* Loew, 1867.

1. **N. cimiforme** Loew, 1867

Notogramma cimiformis Loew, 1867 *Berl. ent. Z.* **11**: 289. Loew, 1867 described *N. cimiformis*; in 1873 (*Smithson. Misc. Coll.* **11** (3): (148) he mistakenly synonymized it with *N. stigma* (Fab., 1798). Since then, both species have been confused. Steyskal, 1963 (*Proc. ent. Soc. Wash.* **65**: 196) has distinguished the two species and emended *cimiformis* to *cimiforme* in conformity with the gender of *Notogramma*. *N. stigma* has never been correctly recorded from any Pacific Island; all such records should be referred to *N. cimiforme*. (See Steyskal, *loc. cit.* for complete bibliography.)

Distribution: West Indies; Central and South America. (Introduced into the following places: Hawaii; Marianas Islands; Guam; Palau Islands and Wake Island.)

APPENDIX

GENERA OF ULIDIINAE ERECTED AFTER 1910

Hendel's work on the sub-family, Ulidiinae, appeared in 1910 (*Gen. Ins.* fascicle 106). Since that year, three new genera were erected by Malloch who, however, did not refer them to Hendel's arrangement of genera. In these circumstances, I am unable to do so, and therefore present them in this appendix.

1. Genus: **HETERODOXA** Malloch, 1932

Malloch, 1932 *B.P. Bishop Mus. Bull.* **98**: 211.

Type species: *Heterodoxa uapouae* Malloch, 1932.

1. **H. fatuhivae** Malloch, 1932

Heterodoxa fatuhivae Malloch, 1932 *ibid* **98**: 214 Fig. 49d.

Distribution: Marquesas Islands.

2. **H. hivaoae** Malloch, 1932

Heterodoxa hivaoae Malloch, 1932 *ibid* **98**: 213 Fig. 49b.

Distribution: Marquesas Islands.

3. **H. uahukae** Malloch, 1932

Heterodoxa uahukae Malloch, 1932 *ibid* **98**: 214 Fig. 49c.

Distribution: Marquesas Islands.

4. **H. uapouae** Malloch, 1932

Heterodoxa uapouae Malloch, 1932 *ibid* **98**: 212 Fig. 49a.

Distribution: Marquesas Islands.

2. Genus: **NEOEUXESTA** Malloch, 1930

Malloch, 1930 *Ins. Samoa* **6** (5): 218.

Type species: *Neoeuxesta fumicosta* Malloch, 1930.

1. **N. fumicosta** Malloch, 1930

Neoeuxesta fumicosta Malloch, 1930 *ibid* **6** (5): 218. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20**: 283.

Distribution: Samoa.

2. *N. guamana* Steyskal, 1952

Neoeuxesta guamana Steyskal, 1952 *ibid* **20**: 283 Fig. 1d.

Distribution: Guam.

3. Genus: **PERISSONEURA** Malloch, 1932

Malloch, 1932 *B.P. Bishop Mus. Bull.* **98**: 207.

Type species: *Perissoneura diversipennis* Malloch, 1932.

1. *P. diversipennis* Malloch, 1932

Perissoneura diversipennis Malloch, 1932 *ibid* **98**: 207 Fig. 28. Steyskal, 1952 *Occ. Pap. B.P. Bishop Mus.* **20**: 284.

Distribution: Marquesas Islands.

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