

Mr G. R. Gray.

LIST
OF THE
SPECIMENS
OF
HOMOPTEROUS INSECTS
IN
THE COLLECTION
OF THE
BRITISH MUSEUM.



—
PART IV.



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INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the specimens of Homopterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variation of character, locality, and the source from whence it has been derived. With this view, the different individuals of each species contained in the collection are indicated by the letters *a*, *b*, *c*, &c., following the name of the species and its synonymes, and the description, if it appeared to have been before undescribed.

This part of the Catalogue of Homopterous Insects has been prepared and the new species described by Mr. FRANCIS WALKER, so well known for his attention to this order of Insects.

JOHN EDWARD GRAY.

British Museum,
Dec. 30th, 1851.

LIST

OF

HOMOPTEROUS INSECTS.

Order II. PHYTOPHTHIRE.

- Phytophthires et Coccina, *Burm. Handb. Ent.* ii. 1, 55.
 Aphidiæ, *Latr., Zett., Blanch.*
 Aphidii, *Fonscolombe.*
 Sternorhynchi.—Fam. 1. Phytophthires. Tribe 1. Hymenelytres.—
 2. Scytinelytres. Fam. 2. Phytathelges. Tribe 1. Lanisectes.
 —2. Gallinsectes.—*Amyot et Serv. Hist. Nat. Hém.* 588, 590,
 613, 618, 625.
 Dimera, *Westw. Intr. Ent.* ii. 434.

Fam. 1. PSYLLIDÆ.

- Psyllidæ, *Latr., Blanch., Westw., Curt.*
 Psyllodes, p., *Hartig.*
 Psyllodes, *Burm., Handb. Ent.* ii. 1, 95.
 Race Saltipedes, Group Psyllides, *Amyot et Serv. Hist. Nat. Hém.*
 590.

Genus 1. LIVIA.

- Livia, *Latr. Hist. Nat. Ins.* xii. 374. *Gen. Crust.* iii. 170, 399, 1.
 Leach, Samou., Curt., Dahlbom, Burm., Ahrens, Zett., Hartig,
 Blanch., Amyot et Serv., Erichson, Foerster.
 Chermes, p., *Schrank.*
 Dariphia, *Illiger, Mag.* ii. 284.
 Psylla, p., *Latr., Haworth.*
 Psylla, p., *Fallen.*

1. LIVIA JUNCORUM.

Chermes Junci, *Baiersch. Flor.* 558. *Schrank, Faun. Boic.* ii. 1, 142, 1252.

Livia Juncorum, *Latr. Hist. Nat. Crust. &c.* xii. 374. *Gen. Crust.* viii. 170, 1, 399, 1, pl. 12, f. 1. *Leach, Edin. Enc.* ix. 125. *Samou. Comp.* 232, pl. 5, f. 11. *Haworth, Ent. Trans.* i. 252. *Illig. Mag.* i. 284. *Curt. Brit. Ent.* 492. *Burm. Handb. Ent.* ii. 1, 97, 1. *Dahlb. Scand. Ins.* 132. *Zett. Ins. Lapp.* 306, 52, 32, 1. *Blanch. Hist. Nat. Ins.* 1, 418. *Amyot et Serv. Hist. Nat. Hém.* 596, 1. *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 91.

Psylla Juncorum, *Latr. Bull. Soc. Philomat.* 1. *Hist. Nat. des Fourmis*, 322, pl. 12, f. 3.

Diraphia Juncorum, *Illig. Mag.* i. 284.

Livia, *Amyot, Ann. Soc. Ent. Fr. 2me Série*, v. 462, 515.

a—f. England. Presented by F. Walker, Esq.

g. France.

h, i. Sweden.

2. LIVIA VERNALIS.

Livia vernalis, *Fitch, The Senate*, No. 30, 64.

New York.

3. LIVIA FEMORALIS.

Livia femoralis, *Fitch, The Senate*, No. 30, 64.

New York.

4. LIVIA PALUDUM.

Livia Paludum, *Foerster, MSS.*

Var. *Juncorum*?

a. Prussia. Presented by F. Walker, Esq.

5. LIVIA LONGIPENNIS.

Rufa; *antennæ corpore paullo breviores, apice nigræ*; *abdomen subtus flavum*; *alæ anticæ longæ, fuscæ, maculis sublimpidis ornatae*; *alæ posticæ subcinereæ.*

Red: head flat above, with two tawny and slightly hairy lobes in front: feelers slender, slightly setaceous, a little shorter than the body, black towards the tips; first and second joints stout, short;

first much thicker than the second, and about twice its length; third and following long, successively decreasing in length; tenth spindle-shaped, terminating in a bristle: abdomen yellow beneath: fore-wings brown, with a few almost colourless spots; brand red, narrow, nearly half the length of the wing; veins ferruginous; upper fork at three-fifths of the length of the wing, its lower branch slightly undulating; lower fork about the middle of the wing, its upper fork full thrice the length of the lower: hind-wings slightly gray. Length of the body $2\frac{1}{2}$ lines; of the wings 7 lines.

a. Van Diemen's Land. From Mr. Shuckard's collection.

Genus 2. DIRAPHIA.

Diraphia, Waga, *Ann. Soc. Ent. Fr.* xi. 275. Guér. Amyot et Serv. *Hist. Nat. Hém.* 596.

1. DIRAPHIA LIMBATA.

Diraphia limbata, Waga, *Ann. Soc. Ent. Fr.* xi. 275. Guér. *Icon. Règ. Anim.* 1842, 293. Amyot et Serv. *Hist. Nat. Hém.* 597.

Diraphia, Amyot, *Ann. Soc. Ent. Fr.* 2me Série, v. 462, 515.

Poland.

Genus 3. LIVILLA.

Livilla, Curt. *Brit. Ent.* 625. Foerster.

Psylla, p., Klug, *Waltl.*, Germ.

1. LIVILLA ULICIS.

Livilla Ulicis, Curt. *Brit. Ent.* 625. Foerster, *Psylloden*, *Verhandl. Naturhist. Vereins der Preuss. Rheinlande*, 1848, 3, 68, 1.

Psylla coleoptrata, Klug, *Isis*, 1837, 277. *Waltl. Germ. Zeit. Ent.* i. 365.

Psylla Genistæ, Germ.

a—c. England. Presented by J. C. Dale, Esq.

d. France.

e. Prussia. Presented by F. Walker, Esq.

Genus 4. ARYTAINA.

Chermes, p., Linn., *Fabr.*, *Gmel.*, *Berk.*, *Stew.*

Psylla (Section 3), Hartig.

Arytaina, Foerster, *Psylloden*, *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande*, 1848, 67.

Psylla, p., Hartig.

1. ARYTAINA SPARTII.

Arytaina Spartii, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 69.

Psylla Spartii, Hartig, *Germ. Zeitsch. Ent.* iii. 375, 9.

Psylla Ulicis, Curt. *Brit. Ent.* 565, 22, a.

a—d. England. Presented by F. Walker, Esq.

e. South of France. Presented by F. Walker, Esq.

f, g. Prussia. Presented by F. Walker, Esq.

h, i. Prussia. Presented by E. Doubleday, Esq.

j. ———? Presented by E. Doubleday, Esq.

2. ARYTAINA RADIATA.

Arytaina radiata, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 70.

Prussia.

Genus 5. PSYLLA.

Psylla, p., Geoff. *Ins. Par.* i. 484. Latr., Burm.

Chermes, p., Linn., Fabr., Deg., Schrank, Gmel., Berk., Stew., Turt., Kirby & Spence, Hartig, Zeit.

Psylla (Section 1), Hartig, *Germ. Ent. Zeit.* iii. 373.

Psylla, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 67.

1. PSYLLA ALNI.

Psylla Alni, Geoff. *Ins. Par.* i. 486, 3. Latr. *Gen. Crust.* iii. 169, 398, 1. Leach, *Edin. Enc.* ix. 125. Samou. *Comp.* 231. Burm. *Handb. Ent.* ii. 1, 98, 1. Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 70, 1.

Chermes Alni, Linn. *Faun. Succ.* 1008. *Syst. Nat.* i. 2, 738, 10. Fabr. *Sp. Ins.* ii. 391, 12. Mant. *Ins.* 318, 12. *Ent. Syst.* iv. 222, 12. *Syst. Rhyn.* 305, 12. Deg. *Ins.* iii. 96, 3, pl. 10, f. 8. Frisch. *Ins.* viii. 28, pl. 13. Sulz. *Ins.* pl. 12, f. 80. Schæff. *Flem.* pl. 39. Hartig, *Germ. Zeit. Ent.* iii. 373. Gmel. *Ed. Syst. Nat.* i. 4, 2212, 10. Schrank, *Faun. Boic.* ii. 1, 140, 1245. Berk. *Syn.* i. 121. Stew. *El. Nat. Hist.* ii. 111. Turt. *Syst. Nat.* ii. 711. Shaw, *Gen. Zool.* vi. 186, f. 3. Zett. *Faun. Lapp.* i. 556, 8. *Ins. Lapp.* 309, 8.

Clethropsylla, *Amyot, Ann. Soc. Ent. Fr. 2me Série*, v. 459.

a—d. England. Presented by F. Walker, Esq.

e, f. ———?

g, h. Prussia. Presented by E. Doubleday, Esq.

i, j. Prussia. Presented by F. Walker, Esq.

2. PSYLLA FUSCINERVIS.

Psylla fuscinervis, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 70, 2.

Prussia.

3. PSYLLA BUXI.

Chermes Buxi, *Linn. Syst. Nat.* ii. 738, 7. *Fabr. Sp. Ins.* ii. 391, 5. *Mant. Ins.* ii. 317, 5. *Ent. Syst.* iv. 221, 5. *Syst. Rhyn.* 304, 5. *Gmel. Ed. Syst. Nat.* i. 4, 2212, 7. *Réaum. Ins.* iii. pl. 19, f. 1—14. *Stew. El. Nat. Hist.* ii. 112. *Shaw, Gen. Zool.* vi. 187, pl. 59, f. *inf.* *Wood, Ill. Linn. Gen.* i. 114, pl. 40.

Psylla viridis, &c., *Geoff. Ins. Par.* i. 485, 2.

Psylla Buxi, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 71, 3.

a. Scotland. Presented by E. Doubleday, Esq.

b, c. England. Presented by F. Walker, Esq.

4. PSYLLA VISCI.

Psylla Visci, *Curt. Brit. Ent.* 565, 5, a. *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 71, 4.

Europe.

5. PSYLLA ULMI.

Psylla Ulmi, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 71, 5.

Chermes Ulmi, *Linn. Syst. Nat.* i. 2, 737, ii. 737, 4. *Faun. Suec.* 1002. *Fabr. Sp. Ins.* ii. 390, 2. *Mant. Ins.* 317, 2. *Ent. Syst.* iv. 221, 2. *Syst. Rhyn.* 303, 2. *Gmel. Ed. Syst. Nat.* i. 4, 2211, 2. *Schrank, Faun. Boic.* ii. 1, 141, 1250. *Stew. El. Nat. Hist.* ii. 111. *Turt. Syst. Nat.* ii. 710.

a. Prussia. Presented by F. Walker, Esq.

6. PSYLLA VIRIDIS.

Psylla cratægicola, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 72, 6.

Psylla viridis, *Hartig, Germ. Ent. Zeit.* iii. 374, 3.

a, b. England. Presented by F. Walker, Esq.

c. ———?

d. ———? Presented by F. Walker, Esq.

e, g. Prussia. Presented by E. Doubleday, Esq.

7. PSYLLA MALI.

Psylla Mali, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 72, 8.

Chermes Mali, *Schmidberger, Kollar, Treatise on Injurious Insects, Translated*, 278.

a—f. England. Presented by F. Walker, Esq.

8. PSYLLA CARPINI.

Psylla Carpini, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 72, 9.

Prussia.

9. PSYLLA DUBIA.

Psylla dubia, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 73, 10.

Prussia.

10. PSYLLA FRAXINICOLA.

Psylla fraxinicola, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 73, 11.

Prussia.

11. PSYLLA HIPPOPHAES.

Psylla Hippophaës, *Von Heyden, MSS. Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3.

a, b. Prussia. Presented by F. Walker, Esq.

12. PSYLLA ———?

Psylla viridula, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 74, 13.

a. England. Presented by F. Walker, Esq.

13. PSYLLA PEREGRINA.

Psylla peregrina, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 74, 14.

a, b. Prussia. Presented by F. Walker, Esq.

14. PSYLLA INSIGNIS.

Psylla insignis, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 74, 15.

Prussia.

15. PSYLLA AMBIGUA.

Psylla ambigua, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 74, 16.

Prussia.

16. PSYLLA MELANONEURA.

Psylla melanoneura, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 75, 17.

Prussia.

17. PSYLLA SPARTIOPHILA.

Psylla spartiophila, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 75, 18.

a, b. Prussia. Presented by F. Walker, Esq.

18. PSYLLA CRATÆGI.

Chermes Cratægi, *Scopoli, Ent. Carn.* 139, 412. *Gmel. Ed. Syst. Nat.* i. 4, 2214, 24. *Schrank, Faun. Boic.* ii. 1, 142, 1255. *Stew. El. Nat. Hist.* ii. 112.

Psylla Cratægi, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 75, 19.

a—d. England. Presented by F. Walker, Esq.

19. PSYLLA COSTATO-PUNCTATA.

Psylla costato-punctata, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 76, 20.

a. Prussia. Presented by F. Walker, Esq.

20. PSYLLA RUFULA.

Psylla rufula, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 76, 21.

Prussia.

21. PSYLLA FUMIPENNIS.

Psylla fumipennis, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 76, 22.

Prussia.

22. PSYLLA PRUNI.

Chermes Pruni, Scopoli, *Ent. Carn.* 140, 414. Gmel. *Ed. Syst. Nat.* i. 4, 2214, 23. Schrank, *Faun. Boic.* ii. 1. 142, 1254. Stew. *El. Nat. Hist.* ii. 112.

Psylla Pruni, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 77, 23.

Europe.

23. PSYLLA PYRI.

Psylla Pyri, Stephens, *Curt. Brit. Ent.* 565, 5. *Burm. Handb. Ent.* ii. 1, 98, 2. Knight, *Hort. Trans. Ser. 2*, ii. 107. Loudon's *Gardener's Mag.* 92, 1837, 525. *Ruricola*, *Gard. Chron.* ii. (1842), 156. Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3.

Chermes Pyri, Linn. *Syst. Nat.* i. 2, 737, 4. *Faun. Suec.* 1004. *Fabr. Sp. Ins.* ii. 390, 3. *Mant. Ins.* ii. 317, 3. *Ent. Syst.* iv. 221, 3. *Syst. Rhyn.* 303, 3. *Deg. Ins.* iii. 91, 2. pl. 9, f. 1, 16. Schrank, *Faun. Boic.* ii. 1, 142, 1253. Gmel. *Ed. Syst. Nat.* i. 4, 2211, 4. *Berk. Syn.* i. 121. Stew. *El. Nat. Hist.* ii. 111. *Turt. Syst. Nat.* ii. 710. Shaw, *Gen. Zool.* vi. 187, pl. 59, f. sup. Schmidberger, Kollar, *Treatise on Injurious Insects*, *Trans.* 275.

Apiopsylla, Amyot, *Ann. Soc. Ent. Fr.* 2me Série, v. 459.

a—d. England. Presented by F. Walker, Esq.

e—i. Scotland. Presented by E. Doubleday, Esq.

24. PSYLLA PYRICOLA.

Psylla pyricola, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 77, 25.

Germany.

25. PSYLLA APIOPHILA.

Psylla apiophila, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 78, 26.

a. England. Presented by J. C. Dale, Esq.

b, c. Prussia. Presented by F. Walker, Esq.

26. PSYLLA PYRISUGA.

Psylla pyrisuga, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 78, 27.

a. Prussia. Presented by F. Walker, Esq.

27. PSYLLA SALICIS.

Chermes Salicis, Linn. *Syst. Nat.* ii. 739, 14. *Faun. Suec.* 1012. *Fabr. Sp. Ins.* ii. 392, 14. *Mant. Ins.* ii. 318, 14. *Ent. Syst.* iv. 223, 14. *Syst. Rhyn.* 305, 14. *Gmel. Ed. Syst. Nat.* i. 4, 2213, 14. *Schrank, Faun. Boic.* ii. 1, 140, 1247. *Stew. El. Nat. Hist.* ii. 112. *Turt. Syst. Nat.* ii. 711.

Psylla Saliceti, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 79, 28.

a, b. England. Presented by F. Walker, Esq.

c. Prussia. Presented by the Entomological Club.

d. ——— ?

28. PSYLLA FERRUGINEA.

Psylla ferruginea, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 79, 29.

a. England. Presented by F. Walker, Esq.

b. Prussia. Presented by E. Doubleday, Esq.

c. Prussia. Presented by F. Walker, Esq.

29. PSYLLA SIMULANS.

Psylla simulans, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 80, 30.

Prussia.

30. PSYLLA FRAXINI.

Psylla Fraxini, *Curt. Brit. Ent.* 565. *Hartig*, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 80, 31.

Chermes Fraxini, *Linn. Syst. Nat.* ii. 739, 15. *Faun. Suec.* 1013. *Fabr. Sp. Ins.* ii. 392, 15. *Mant. Ins.* ii. 318, 15. *Ent. Syst.* iv. 223, 15. *Syst. Rhyn.* 305, 15. *Gmel. Ed. Syst. Nat.* i. 4, 2313, 15. *Schrank, Faun. Boic.* ii. 1, 141, 1248. *Berk. Syn.* i. 122. *Stew. El. Nat. Hist.* ii. 112. *Turt. Syst. Nat.* ii. 711. *Kirby and Spence, Intr. Ent.* pl. 28, f. 18.

a—d. England. Presented by F. Walker, Esq.

e. Scotland. Presented by E. Doubleday, Esq.

f, g. Prussia. Presented by E. Doubleday, Esq.

h, i. Prussia. Presented by F. Walker, Esq.

31. PSYLLA HEYDENI.

Psylla Heydeni, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 81, 32.

a. Prussia. Presented by F. Walker, Esq.

32. PSYLLA ALPINA.

Psylla alpina, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 81, 33.

Bernese Alps.

33. PSYLLA PICTA.

Psylla picta, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 81, 34.

England.

34. PSYLLA SUBGRANULATA.

Psylla subgranulata, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 94.

South of France.

35. PSYLLA ARGYROSTIGMA.

Psylla argyrostigma, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 97, 4.

Germany.

36. PSYLLA ALATERNI.

Psylla Alaterni, *Haliday, MSS. Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 97, 5.

a. Ireland. Presented by A. H. Haliday, Esq.

37. PSYLLA ÆRUGINOSA.

Psylla æruginosa, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 97, 6.

Ireland.

38. PSYLLA OCCULTA.

Psylla occulta, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848,
3, 98, 7.

a. England. Presented by F. Walker, Esq.

39. PSYLLA FUSCIPES.

Psylla fuscipes, *Hartig, Germ. Ent. Zeit.* iii. 374.

Germany.

40. PSYLLA BETULÆ.

Chermes Betulæ, *Linn. Syst. Nat.* ii. 738, 9. *Faun. Suec.* 1007.
Fabr. Sp. Ins. ii. 391, 11. *Mant. Ins.* 318, 11. *Ent. Syst.* iv.
222, 11. *Syst. Rhyn.* 305, 11. *Gmel. Ed. Syst. Nat.* i. 4,
2212. *Stew. El. Nat. Hist.* ii. 112. *Turt. Syst. Nat.* ii. 711.

a—e. Scotland. Presented by E. Doubleday, Esq.

41. PSYLLA GRAMINIS.

Chermes Airæ-flexuosæ, Linn. *Syst. Nat.* ii. 737, 1. *Faun. Suec.* 1001.

Chermes graminis, *Fabr. Sp. Ins.* ii. 390, 1. *Mant. Ins.* ii. 317, 1. *Ent. Syst.* iv. 221, 1. *Syst. Rhyn.* 303, 1. *Gmel. Ed. Syst. Nat.* i. 4, 2211, 2. *Berk. Syn.* i. 121. *Stew. El. Nat. Hist.* ii. 111. *Turt. Syst. Nat.* ii. 710.

a. ———?

42. PSYLLA NIGRITA.

Chermes nigrata, *Zett. Faun. Lapp.* i. 556, 9. *Ins. Lapp.* 309, 9. Lapland.

43. PSYLLA PULCHRA.

Chermes pulchra, *Zett. Ins. Lapp.* 309, 10. Lapland.

44. PSYLLA ELEGANTULA.

Chermes elegantula, *Zett. Ins. Lapp.* 310, 11. Lapland.

Note.—The following species may not belong to the genus *Psylla* as it is defined by Foerster.

45. PSYLLA SUBFASCIATA.

Psylla subfasciata, *Erichson, Arch.* 1842, i. 286. Van Diemen's Land.

46. PSYLLA LUTEOLA.

Psylla luteola, *Erichson, Arch.* 1842, i. 286. Van Diemen's Land.

47. PSYLLA? CERASTII.

Chermes Cerastii, Linn. *Syst. Nat.* ii. 737, 3. *Faun. Suec.* 1003. *Fabr. Sp. Ins.* ii. 390, 4. *Mant. Ins.* ii. 317, 4. *Ent. Syst.* iv. 221, 4. *Syst. Rhyn.* 303, 4. *Gmel. Ed. Syst. Nat.* i. 4, 2211, 3. *Stew. El. Nat. Hist.* ii. 111. *Turt. Syst. Nat.* ii. 710.

Europe.

48. PSYLLA? SORBI.

Chermes Sorbi, *Linn. Syst. Nat.* ii. 738, 5. *Fabr. Sp. Ins.* ii. 391, 7. *Mant. Ins.* ii. 318, 7. *Ent. Syst.* iv. 222, 7. *Syst. Rhyn.* 304, 7. *Gmel. Ed. Syst. Nat.* i. 4, 2211, 5. *Berk. Syn.* i. 121. *Stew. El. Nat. Hist.* ii. 111. *Turt. Syst. Nat.* ii. 710.

Europe.

49. PSYLLA? PERSICÆ.

Chermes Persicæ, *Fabr. Sp. Ins.* ii. 391, 8. *Mant. Ins.* ii. 318, 8. *Ent. Syst.* iv. 222, 8. *Syst. Rhyn.* 304, 8. *Geoff. Ins. Par.* i. 506, 4. *Réaum. Ins.* iv. pl. 1, f. 1, 2. *Gmel. Ed. Syst. Nat.* i. 4, 2212, 18. *Stew. El. Nat. Hist.* ii. 111.

Europe.

50. PSYLLA? CALTHÆ.

Chermes Calthæ, *Linn. Syst. Nat.* ii. 738, 6. *Faun. Suec.* 1005. *Fabr. Sp. Ins.* ii. 391, 9. *Mant. Ins.* ii. 318, 9. *Ent. Syst.* iv. 222, 9. *Syst. Rhyn.* 304, 9. *Gmel. Ed. Syst. Nat.* i. 4, 2212, 6. *Stew. El. Nat. Hist.* ii. 111. *Turt. Syst. Nat.* ii. 710.

Europe.

51. PSYLLA? FAGI.

Chermes Fagi, *Linn. Syst. Nat.* ii. 738, 12. *Faun. Suec.* 1010. *St. Scand.* 65. *Fabr. Sp. Ins.* ii. 391, 6. *Mant. Ins.* ii. 317, 6. *Ent. Syst.* iv. 222, 6. *Syst. Rhyn.* 304, 6. *Réaum. Ins.* iii. pl. 26, f. 1—6. *Gmel. Ed. Syst. Nat.* i. 4, 2213, 12. *Stew. El. Nat. Hist.* ii. 112. *Turt. Syst. Nat.* ii. 710.

Europe.

52. PSYLLA? CASTANEA.

Psylla castanea, *Geoff. Ins. Par.* i. 489, 8.
Chermes castanea, *Gmel. Ed. Syst. Nat.* i. 4, 2214, 21. *Stew. El. Hist. Nat.* ii. 112.

France.

53. PSYLLA? RUBRA.

Psylla rubra, *Geoff. Ins. Par.* i. 489, 9.

Chermes rubra, *Gmel. Ed. Syst. Nat.* i. 4, 2214, 22. *Stew. El. Nat. Hist.* ii. 112.

France.

54. PSYLLA? PURPURASCENS.

Psylla (Section 4) *purpurascens*, *Hartig, Germ. Ent. Zeit.* iii. 375, 10.

Germany.

55. PSYLLA? EUONYMI.

Chermes Euonymi, *Scopoli, Ent. Carn.* 139, 411. *Gmel. Ed. Syst. Nat.* i. 4, 2214, 25. *Stew. El. Nat. Hist.* ii. 112.

Carniolia.

56. PSYLLA? SENECTIONIS.

Chermes Senecionis, *Scopoli, Ent. Carn.* 140, 413. *Gmel. Ed. Syst. Nat.* i. 4, 2214, 26. *Stew. El. Nat. Hist.* ii. 112.

Carniolia.

57. PSYLLA? LICHENIS.

Psocus?

Chermes lichenis, *Geoff. Ins. Par.* i. 88, 7. *Gmel. Ed. Syst. Nat.* i. 4, 2214, 20. *Stew. El. Nat. Hist.* ii. 112.

France.

58. PSYLLA? TRIPUNCTATA.

Psylla tripunctata, *Fitch, The Senate*, No. 30, 64.

New York.

59. PSYLLA? QUADRILINEATA.

Psylla quadrilineata, *Fitch, The Senate*, No. 30, 64.

New York.

60. PSYLLA? CARPINI.

Psylla Carpini, *Fitch, The Senate*, No. 30, 64.
New York.

61. PSYLLA? ANNULATA.

Psylla annulata, *Fitch, The Senate*, No. 30, 64.
New York.

62. PSYLLA? URTICÆCOLENS.

Psylla urticæcolens, *Fitch, MSS.*?

a. New York. From Dr. Fitch's collection.

63. PSYLLA? QUADRISIGNATA.

a. New York. From Dr. Fitch's collection.

64. PSYLLA? QUERCUS.

Chermes Quercûs, *Linn. Syst. Nat.* ii. 738, 11. *Faun. Suec.* 1009.
Fabr. Syst. Rhyn. 305, 16. *Gmel. Ed. Syst. Nat.* i. 4, 2212,
11. *Berk. Syn.* i. 121. *Stew. El. Nat. Hist.* ii. 112.

Sweden.

65. PSYLLA? ABIETIS.

Psylla (Section 5) Abietis, *Hartig, Germ. Ent. Zeit.* iii. 375, 11.
Germany.

66. PSYLLA? RHAMNI.

Chermes Ramni, *Schrank, Faun. Boic.* ii. 1, 141, 1249.
Bavaria.

67. PSYLLA? HUMULI.

Chermes Humuli, *Schrank, Faun. Boic.* ii. 1, 141, 1251.
Bavaria.

68. PSYLLA? LATA.

Ferruginea, lata; antennæ flavæ, submoniliformes, thoracis dimidio breviores, apice fuscæ; pedes fulvi; tibiis flavis; alæ limpidaë, venis flavo fuscoque fuscatis.

Ferruginous, broad, thick: feelers yellow, submoniliform, rather stout, less than half the length of the chest, with brown tips, which have two bristles; joints successively decreasing in length: legs tawny; shanks yellow: wings colourless; fore-wings broad; fore border convex near the base; veins with alternate yellow and brown bands; upper fork at two-thirds of the length of the wing; lower fork in the middle of the length, its petiole extremely short. The breadth of the body and the structure of the feelers and of the fore-wings, distinguish this species from all the groups into which this family has been divided; it is most allied to *Rhinocola*. Length of the body $1\frac{1}{4}$ line; of the wings 3 lines.

a, b. Sierra Leone. Presented by the Rev. D. F. Morgan.

Genus 6. TRIOZA.

Chermes, p., Linn., Fabr., Gmel., Berk., Stew., Turt., Zett.

Psylla, p., Geoff., Hartig, Burm., Web. & Mohr., Loew, Macquart, Blanch.

Psylla (Section 2), Hartig, Germ. Ent. Zeit. 111, 374.

Trioza, Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl. 1848, 3, 67.

1. TRIOZA URTICÆ.

Trioza Urticæ, Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl. 1848, 3, 82, 1.

Chermes Urticæ, Linn. Syst. Nat. ii. 738, 8. Faun. Suec. 1006. Fabr. Sp. Ins. ii. 391, 10. Mant. Ins. ii. 318, 10. Ent. Syst. iv. 222, 10. Syst. Rhyn. 304, 10. Gmel. Ed. Syst. Nat. i. 4, 2212, 8. Deg. Ins. iii. 134, 1, pl. 9, f. 7—19. Berk. Syn. i. 121. Stew. El. Nat. Hist. ii. 112. Turt. Syst. Nat. ii. 711. Zett. Faun. Lapp. i. 553, 4. Ins. Lapp. 308, 4.

Psylla Urticæ, Burm. Handb. Ent. ii. 1, 98, 3.

Cnidopsylla, Amyot, Ann. Soc. Ent. Fr. 2me Série, v. 373.

a—d. England. Presented by F. Walker, Esq.

e, f. Prussia. Presented by E. Doubleday, Esq.

g, h. Prussia. Presented by F. Walker, Esq.

2. *TRIOZA APICALIS*.

Trioza apicalis, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 82, 2.

Chermes Cerastii? *Linn.*

Psylla simplex? *Hartig*, *Germ. Ent. Zeit.* iii. 374, 6.

Psylla Cerastii, *Loew*?

a. Prussia. Presented by F. Walker, Esq.

3. *TRIOZA EUPODA*.

Trioza eupoda, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 82, 3.

Psylla eupoda, *Hartig*, *Germ. Ent. Zeit.* iii. 374, 8.

Germany.

4. *TRIOZA PROTENSA*.

Trioza protensa, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 82, 4.

Prussia.

5. *TRIOZA REMOTA*.

Trioza remota, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848,
3, 83, 5.

Prussia.

6. *TRIOZA CRASSINERVIS*.

Trioza crassinervis, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 83, 6.

a. Prussia. Presented by F. Walker, Esq.

7. *TRIOZA CURVATINERVIS*.

Trioza curvatinervis, *Foerster*, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 83, 7.

Prussia.

8. TRIOZA ALBIVENTRIS.

Trioza albiventris, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 84, 8.

Prussia.

9. TRIOZA PALLIPES.

Trioza pallipes, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 84, 9.

Germany.

10. TRIOZA FORCIPATA.

Trioza forcipata, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 84, 10.

Prussia.

11. TRIOZA MODESTA.

Trioza modesta, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 84, 11.

Prussia.

12. TRIOZA SANGUINOSA.

Trioza sanguinosa, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 85, 12.

Prussia.

13. TRIOZA HÆMATODES.

Trioza hæmatodes, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 85, 13.

Germany.

14. TRIOZA CINNABARINA.

Trioza cinnabarina, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 85, 14.

Germany.

15. *TRIOZA NIGRICORNIS*.

Trioza nigricornis, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 86, 16.

a. Prussia. Presented by F. Walker, Esq.

16. *TRIOZA PINICOLA*.

Trioza pinicola, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 86, 15.

Psylla Pini? *Geoff. Ins. Par.* i. 488, 6.

Chermes Pini? *Linn. Syst. Nat.* 736, 25. *Faun. Suec. Ed.* i. 699.
Gmel. Ed. Syst. Nat. i. 4, 2213, 19. *Stew. El. Nat. Hist.* ii.
112.

Pityopsylla, *Amyot, Ann. Soc. Ent. Fr. 2me Série*, v. 461, 513.

a—f. England. Presented by F. Walker, Esq.

17. *TRIOZA? LARICIS*.

Psylla Laricis, *Macquart, Recueil Trav. Soc. Sci. Lille*, 1819.

Cnaphalodes Laricis, *Amyot et Serv. Hist. Nat. Hém.* 595.

Cnaphalodes, *Amyot, Ann. Soc. Ent. Fr. 2me Série*, v. 460, 512.

France.

18. *TRIOZA FEMORALIS*.

Trioza femoralis, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 86, 17.

Germany.

19. *TRIOZA ACUTIPENNIS*.

Chermes acutipennis, *Zett. Faun. Lapp.* i. 554, 5. *Ins. Lapp.*
308, 5.

Trioza acutipennis, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 87, 18.

a. Prussia. Presented by F. Walker, Esq.

20. TRIOZA GALII.

Trioza Galii, *Foerster, Psyll. Verh. Nat. Verh. Preuss. Rheinl.* 1848, 3, 87, 19.

a. b. Prussia. Presented by F. Walker, Esq.

21. TRIOZA VELUTINA.

Trioza velutina, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 87, 20.

a. England. Presented by F. Walker, Esq.

22. TRIOZA ABIETICOLA.

Trioza abieticola, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 88, 21.

a. England. Presented by F. Walker, Esq.

23. TRIOZA MUNDA.

Trioza munda, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 88, 22.

Europe.

24. TRIOZA WALKERI.

Trioza Walkeri, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 88, 23.

Europe.

25. TRIOZA MAURA.

Trioza maura, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 94.

South of France.

26. TRIOZA FLAVIPENNIS.

Trioza flavipennis, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 98, 8.

Germany.

27. *TRIOZA VITRIPENNIS*.

Trioza vitripennis, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 98, 9.

Prussia.

28. *TRIOZA MARGINATA*.

Psylla marginata, *Hartig, Germ. Ent. Zeit.* iii. 374, 7.

Germany.

29. *TRIOZA FUSCA*.

Chermes fusca, *Zett. Faun. Lapp.* i. 552, 2. *Ins. Lapp.* 307, 2.

Lapland.

30. *TRIOZA PICTA*.

Chermes picta, *Zett. Faun. Lapp.* i. 553, 3. *Ins. Lapp.* 308, 3.

Lapland.

31. *TRIOZA AFFINIS*.

Chermes affinis, *Zett. Faun. Lapp.* i. 554, 6. *Ins. Lapp.* 308, 6.

Lapland.

32. *TRIOZA VIRIDULA*.

Chermes viridula, *Zett. Faun. Lapp.* i. 555, 7. *Ins. Lapp.* 309, 7.

Lapland.

Genus 7. *APHALARA*.

Aphalara, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848,
389.

Psylla, p., *Web. & Mohr.*

Chermes, p., *Zett.*

1. APHALARA FLAVIPENNIS.

Aphalara flavipennis, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 89, 1.

a, b. England. Presented by F. Walker, Esq.

c, d. Prussia. Presented by E. Doubleday, Esq.

2. APHALARA EXILIS.

Aphalara exilis, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 89, 2.

Psylla exilis, *Web. & Mohr.*

a. England. Presented by F. Walker, Esq.

3. APHALARA POLYGONI.

Aphalara Polygoni, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 90, 3,

a. England. Presented by F. Walker, Esq.

4. APHALARA NERVOSA.

Aphalara nervosa, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 90, 4.

Prussia.

5. APHALARA SUBFASCIATA.

Aphalara subfasciata, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 90, 5.

Prussia.

6. APHALARA INNOXIA.

Aphalara innoxia, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.*
1848, 3, 90, 6.

Prussia.

7. APHALARA SUBPUNCTATA.

Aphalara subpunctata, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 91, 7.

Prussia.

8. APHALARA ULICIS.

Aphalara Ulicis, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 96, 3.

Europe.

9. APHALARA ARTEMISIÆ.

Aphalara Artemisiæ, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 96, 1.

Germany.

10. APHALARA SONCHI.

Aphalara Sonchi, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 96, 2.

Europe.

11. APHALARA NEBULOSA.

Chermes nebulosa, Zett. *Faun. Lapp.* i. 551, 1. *Ins. Lapp.* 307, 1. Lapland.

12. APHALARA ARCTICA.

Picea, fulvo varia; *scutellum fulvo trivittatum*; *abdomen nigrum*; *pedes piceæ, genubus tarsisque ferrugineis*; *alæ subcinereæ*.

Pitchy, with tawny marks: scutcheon with three tawny stripes: abdomen black: feelers black, filiform, slightly hairy, as long as the chest, with two bristles on each tip; first and second joints stout, pitchy: legs pitchy; knees and feet ferruginous: wings slightly gray; veins black, ferruginous at the base: upper fork at three-fourths of the length of the wing; lower fork near the middle, its

upper branch much curved, and thrice the length of its lower fork. Length of the body 1 line; of the wings $2\frac{1}{2}$ lines.

a. St. Martin's Falls, Albany River, Hudson's Bay. Presented by G. Barnston, Esq.

Genus 8. RHINOCOLA

Rhinocola, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 67, 91.

Chermes, p., *Linn., Fabr.*

Psylla, p., *Curt.*

1. RHINOCOLA ACERIS.

Rhinocola Aceris, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 91.

Chermes Aceris, *Linn. Syst. Nat.* ii. 739, 16. *Faun. Suec.* 1014. *Fabr. Sp. Ins.* ii. 392, 16. *Mant. Ins.* ii. 318, 16. *Ent. Syst.* iv. 223, 16. *Syst. Rhyn.* 306, 17. *Gmel. Ed. Syst. Nat.* i. 4, 2213, 16. *Stew. El. Nat. Hist.* ii. 112. *Turt. Syst. Nat.* ii. 711.

a. Prussia. Presented by F. Walker, Esq.

b. Prussia. Presented by E. Doubleday, Esq.

2. RHINOCOLA ERICÆ.

Rhinocola Ericæ, *Foerster, Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 91, 2.

Psylla Ericæ, *Curt. Brit. Ent.* 565, 25.

a—f. England. Presented by F. Walker, Esq.

g. Prussia. Presented by E. Doubleday, Esq.

h. Prussia. Presented by F. Walker, Esq.

i. Fontainebleau. Presented by F. Walker, Esq.

Genus 9. ANISOSTROPHA.

Chermes, p., *Linn., Fabr., Gmel., Stew.*

Psylla, p., *Geoff., Tign., St. Farg. et Serv., Léon Duf., Amyot et Serv.*

Anisostropha, *Foerster, Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 92.

1. ANISOTROPHA FICUS.

Anisotropha Ficus, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 92.

Chermes Ficus, Linn. *Syst. Nat.* ii. 739, 17. *Fabr. Sp. Ins.* ii. 392, 17. *Mant. Ins.* ii. 318, 17. *Ent. Syst.* iv. 223, 17. *Syst. Rhyn.* 306, 18. *Réaum. Ins.* iii. pl. 29, f. 17—24. *Gmel. Ed. Syst. Nat.* i. 4, 2213, 17. *Stew. El. Nat. Hist.* ii. 111. *St. Farg. et Serv. Enc. Méth.* x. 229, 3. *Duf. Rech. Hém.* 104, pl. 9, f. 110—113. *Amyot et Serv. Hist. Nat. Hém.* 593, 1.

Psylla ficus, Geoff. *Ins.* i. 484, 1, pl. 10, f. 2. *Enc. Méth. Hist. Nat. Ins.* pl. 115, f. 1—7. *Tign. Hist. Nat. Ins.* iv. 165, pl. 4, f. 3.

Psylla, Amyot, *Ann. Soc. Ent. Fr. 2me Série*, v. 458, 511.

a. South of France.

Genus 10. EUPHYLLURA.

Psylla, p., Fonscolombe.

Euphyllura, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 93.

1. EUPHYLLURA OLEÆ.

Euphyllura Oleæ, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 93, 1.

Psylla Oleæ, Fonscolombe, *Ann. Soc. Ent. Fr.* ix. 111, 7.

South of France.

2. EUPHYLLURA PHILLYREÆ.

Euphyllura Phillyreæ, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 93, 2.

South of France.

Genus 11. SPANIONEURA.

Spanioneura, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 94.

1. SPANIONEURA FONSCOLOMBII.

Spanioneura Fonscolombii, Foerster, *Psyll. Verh. Nat. Ver. Preuss. Rheinl.* 1848, 3, 94.

South of France.

viridans, 654
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