

ARTICLE XV.—*Synopsis of the Subfamilies and Genera of the North American Cercopidae, with a Bibliographical and Synonymical Catalogue of the Described Species of North America.*\* By F. W. GODING, M. D., Ph. D.

The characters recognized as of family value by Stål and most of the American students of this group are as follows: Front convex, or compresso-produced; ocelli two, situated in the vertex, before the base. Thorax large, sexangular or trapezoidal. Scutellum small or medium, triangular. Tegmina frequently coriaceous. Legs remote from sides of body, conforming to it; coxae, especially the posterior, short; tibiae smooth, posterior armed with one or two spines, apex with a crown of spinules.†

SYNOPSIS OF SUBFAMILIES.

Anterior margin of thorax straight; eyes equally long and broad ..... CERCOPINÆ, Stål.  
Anterior margin of thorax rounded or angular; eyes sometimes transverse; scutellum flat, triangular.

APHROPHORINÆ, Stål.

SYNOPSIS OF GENERA.

SUBFAMILY CERCOPINÆ, STÅL.

- A. Front destitute of a longitudinal carina.
  - a. Front destitute of a longitudinal sulcus.  
*Tomaspis*, Am. & Serv.
  - aa. Front furnished with a longitudinal sulcus.  
*Rhinaulax*, Am. & Serv.
- AA. Front furnished with one or more longitudinal carinæ at middle.

\*Mexico, Central America, and the West Indies are included.

†In *Insect Life*, Vol. V., page 150, Messrs. Riley and Howard place the genus *Homalodisca* in this family, while all other writers place it in the Jassidæ, used in its broadest sens.

- b.* Front tricarinate . . . . . *Triecphora*, Am. & Serv.
- bb.* Front unicarinate.
- c.* Carina weak, not well developed.  
  *Monecephora*, Am. & Serv.
- cc.* Carina angulate, developed in the form of a laterally compressed wedge . . . . . *Sphenorhina*, Am. & Serv.

### SUBFAMILY APHROPHORINÆ, STÅL.

#### A Clavus acuminate.

- a.* Intramarginal vein of wings interrupted before apex ; apex plicated ; anal cell broadened ; front in middle with an interrupted ruga ; ocelli distant.  
  *Lepyronia*, Am. & Serv.
- aa.* Intramarginal vein of wings not interrupted before apex ; not plicated at apex.
- b.* Alar cell behind second anastomosis acuminate posteriorly, not touching intramarginal vein ; apex of clypeus touching anterior coxae.  
  *Ptyelus*, Lep. & Serv.
- bb.* Alar cell behind second anastomosis extended to intramarginal vein.
- c.* Vertex and thorax furnished with a longitudinal median carina ; scutellum shorter than thorax ; ocelli distant from the eyes ; rostrum long.  
  *Aphrophora*, Germ.
- cc.* Vertex destitute of a median carina ; rostrum short or medium ; posterior tibiae 2-spined.
- dd.* Thorax distinctly broader than head, sexangular, front lateral margins long, strongly converging forwards ; intramarginal vein of wings undate between apices of anterior longitudinal veins ; front with an obtuse longitudinal carina ; apex of rostrum reaching middle coxae ; ocelli equally remote from each other and eyes ; scutellum much longer than wide, extending far behind metanotum.  
  *Cephisus*, Stål.

- dd.* Thorax not at all, or but little, broader than head, sexangular, in front lateral margins sometimes much

shortened, parallel, or slightly converging; from commissure behind apex of clavus, the margin of tegmina subangulate or somewhat rounded; tegmina oblong; corium not, or barely, convex; ocelli rarely, and never more than, twice as distant from eyes as from each other; front destitute of a longitudinal carina.

- e. Anterior margin of head at juga destitute of a sulcus, acute or a little obtuse; basal margin of head obtusely rounded sinuate; thorax depressed or lightly convex, apical margin obtusely rotundate, apex of corium with large cells. .... *Clovia*, Stål.
- ee. Anterior margin at lobes of vertex sulcate.

*Philenurus*, Stål.

- AA. Clavus with apex very acutely rounded. *Clastoptera*, Germ.

### I. TOMASPIS, AM. & SERV.

1. T. FASCIATICOLLIS, Stål.

1864. *Tomaspis fasciaticollis*. Stål, Hem. Mex. 63, 394.

*Hab.*—Mexico (Stål).

2. T. VITTATIPENNIS, Stål.

1864. *Tomaspis vittatipennis*. Stål, Hem. Mex. 64, 396.

*Hab.*—Mexico (Stål).

3. T. ORNATIPENNIS, Stål.

1864. *Tomaspis ornatipennis*. Stål. Hem. Mex. 64, 397.

*Hab.*—Mexico (Stål).

4. T. VARIANS, Stål.

1864. *Tomaspis rarians*. Stål, Hem. Mex. 65, 398.

*Hab.*—Mex. (Stål).

### II. MONECPHORA, AM. & SERV.

5. M. PICTIPENNIS, Stål.

1864. *Tomaspis pictipennis*. Stål, Hem. Mex. 63, 393.

*Hab.*—Mexico (Stål).

6. M. NUPTIALIS, Stål.  
1864. *Tomaspis nuptialis.* Stål, Hem. Mex. 64, 395.  
*Hab.*—Mexico (*Stål*).
7. M. LIMABTA, Stål.  
1864. *Tomaspis limbata.* Stål, Hem. Mex. 65, 399.  
*Hab.*—Mexico (*Stål*).
8. M. SEPULCHRALIS, Stål.  
1864. *Tomaspis sepulchralis.* Stål, Hem. Mex. 65, 400.  
*Hab.*—Mexico (*Stål*).
9. M. FLEXUOSA, Walker.  
1851. *Monecphora flexuosa.* Walk. List Hom. B. M. 677, 12.  
*Hab.*—Mexico ? (*Fitch*).
10. M. POSTICA, Walker.  
1858. *Monecphora postica.* Walk. List Hom. B. M. Suppl. 177.  
*Hab.*—Mexico (*Walker*).
11. M. FRATERNA, Uhler.  
1863. *Monecphora fraterna.* Uhler, Proc. Ent. Soc. Phil. ii, 160.  
*Hab.*—Cuba (*Uhler*).
12. M. INFERANS, Walker.  
1858. *Monecphora inferans.* Walk. List Hom. B. M. Suppl. 176.  
*Hab.*—Mexico (*Walker*).
13. M. INCA, Guérin.  
1838. *Cercopis inca.* Guér. Icon. Règ. An., Ins. 368.  
1851. *Monecphora inca.* Walk. List Hom. B. M. 675, 5.  
1864. *Tomaspis inca.* Stål, Hem. Mex. 63, 392.  
*Hab.*—Mexico (*Walker*).
14. M. SCHACH, Fabr.  
1794. *Cercopis schach.* Fabr. Ent. Syst. iv, 49, 9.  
1803. *Cercopis schach.* Fabr. Syst. Rhyng. 93, 25.  
1869. *Tomaspis schach.* Stål, Hem. Fabr. ii, 118, 25.  
*Monecphora schach.* Fitch, *in litt.*  
*Hab.*—North America (*Fabricius*).

## 15. M. BICINCTA, Say.

1831. *Cercopis bicincta.* Say, Jour. Acad. Nat. Sci. Phil. vi, 303.  
1833. *Cercopis ignipecta.* Harris, Cat. Ins. Mass.  
1841. *Cercopis ignipecta.* Harris, Rep. Ins. Mass.  
1851. *Monecphora bifascia.* Walk. List Hom. B. M. 679, 16.  
*Monecphora angusta.* Walk. List Hom. B. M. 680, 19.  
*Ptyelus ignipictus.* Walk. List Hom. B. M. 725, 49.  
*Triecphora ? bicincta.* Walk. List Hom. B. M. 1152, 20.  
1856. *Monecphora ignipecta.* Fitch, 3d Rep. Ins. N. Y. 71; in Trans. Agr. Soc. 389.  
*Monecphora bicincta.* Fitch, 3d Rep. Ins. N. Y. 71; in Trans. Agr. Soc. 389.  
1859. *Cercopis bicincta.* Say, Compl. Writ. ii, 381.  
1862. *Cercopis ignipecta.* Harris, Treatise, 225.  
1864. *Tomaspis bicincta.* Stål, Hem. Mex. 64.  
1876. *Cercopis bicincta.* Glover, Rep. U. S. Dept. Agr. 30, fig. 23.  
1884. *Tomaspis bicincta.* Uhler, Stand. Nat. Hist. ii, 242.  
1890. *Monecphora bicincta.* Van Duzee, Psyche, v, 388.  
*Monecphora bicincta.* Smith, Cat. Ins. N. J. 442.  
*Hab.*—Ind., Penn., and Ark. (Say); N. Y. (Fitch); Mass. (Harris); N. J. (Smith); Md. (Glover); Georgia, (Walker); Va. and D. C. (Forbes).

## 16. M. BASALIS, Walker.

1851. *Monecphora basalis.* Walk. List Hom. B. M. 683, 26.  
*Hab.*—Jamaica (Walker).

## 17. M. NEGLECTA, Walker.

1851. *Monecphora neglecta.* Walk. List Hom. B. M. 683, 27.  
*Hab.*—Jamaica (Walker).

**III. TRIECPHORA, AM. & SERV.**

18. **T. CONTIGUA**, Walker.

1851. *Triecphora contigua*. Walk. List Hom. B. M.  
670, 11.

*Hab.*—Honduras (*Walker*).

**IV. SPHENORHINA, AM. & SERV.**

19. **S. ASSIMILIS**, Walker.

1858. *Sphenorhina assimilis*. Walk. List Hom. B. M.  
Suppl. 182.

*Hab.*—Mexico (*Walker*).

20. **S. SIMULANS**, Walker.

1858. *Sphenorhina simulans*. Walk. List Hom. B. M.  
Suppl. 183.

*Hab.*—Mexico (*Walker*).

21. **S. CRUCIATA**, Walker.

1858. *Sphenorhina cruciata*. Walk. List Hom. B. M.  
Suppl. 183.

*Hab.*—Mexico (*Walker*).

22. **S. SIMILIS**, Walker.

1858. *Sphenorhina similis*. Walk. List Hom. B. M.  
Suppl. 182.

*Hab.*—Mexico (*Walker*).

23. **S. QUADRIGUTTATA**, Walker.

1851. *Sphenorhina quadriguttata*. Walk. List Hom.  
B. M. 689, 11.

*Hab.*—Honduras (*Walker*).

24. **S. LINEATA**, Walker.

1851. *Sphenorhina lineata*. Walk. List Hom. B. M.  
691, 16.

*Hab.*—Honduras (*Walker*).

25. **S. BIVITTA**, Walker.

1858. *Sphenorhina bivitta*. Walk. List Hom. B. M.  
Suppl. 181.

*Hab.*—Mexico (*Walker*).

## V. RHINAULAX, AM. &amp; SERV.

## 26. R. COCCINEA, Fabr.

1794. *Cercopis coccinea*. Fabr. Ent. Syst. iv, 48, 4.  
 1803. *Cercopis coccinea*. Fabr. Syst. Rhyng. 93, 21.  
 1841. *Tomaspis coccinea*. Am. & Serv. Hem. 560.  
 1851. *Tomaspis coccinea*. Walk. List Hom. B. M. 666, 4.  
*Triecphora coccinea*. Walk. List Hom. B. M. 669, 7.  
 1869. ? *coccinea*, Stål, Hem. Fabr. ii, 118, 21.  
*Hab.*—West Indies (*Fabricius*).

## SUBFAMILY APHROPHORINÆ, STÅL.

## VI. LEPYRONIA, AM. &amp; SERV.

## 27. L. SORDIDA, Stål.

1864. *Lepyronia sordida*. Stål, Hem. Mex. 67, 403.  
 1866. *Lepyronia sordida*. Stål, Berl. Ent. Zeit. x, 384.  
*Hab.*—Mexico (*Stål*), Illinois (*Forbes*).

## 28. L. QUADRANGULARIS, Say.

1825. *Cercopis quadrangularis*. Say, Jour. Acad. Nat. Sci. Phil. iv, 338, 1.  
 1831. *Aphrophora quadrangularis*. Say, Jour. Acad. Nat. Sci. Phil. vi, 305.  
 1841. *Aphrophora quadrangularis*. Harris, Rep. Ins. Mass.  
 1851. *Lepyronia quadrangularis*. Fitch, Cat. Hom. N. Y. 53, 706.  
*Ptyelus quadrangularis*. Walk. List Hom. B. M. 716, 28.  
*Ptyelus quadrangularis*. Walk. List Hom. B. M. 1153, 28.  
 1856. *Lepyronia quadrangularis*. Fitch, 3d Rep. Ins. N. Y. 71; in Trans. Agr. Soc. 389.

NOTE. Stål seems to be in doubt as to the generic position of *coccinea*. In my copy of Walker's List, formerly the property of Dr' Fitch, is recorded in Fitch's handwriting, "Brazil, from Signoret." Fitch places the species in the genus Rhinaulax.

1859. *Cercopis quadrangularis.* Say, Compl. Writ. ii,  
256, 1.
1862. *Aphrophora quadrangularis.* Harris, Treatise,  
225.
1864. *Lepyronia quadrangularis.* Stål, Hem. Mex. 67.
1866. *Lepyronia quadrangularis.* Stål, Berl. Ent.  
Zeit. x, 384.
1869. *Aphrophora quadrangularis.* Walsh & Riley,  
Am. Ent. i, 228.
1872. *Aphrophora quadrangularis.* Uhler, List Hem.  
Col. and N. Mex. 472.
1876. *Aphrophora quadrangularis.* Uhler, List Hem.  
West Miss. R. 346, 2.  
*Aphrophora quadrangularis.* Glover, Rep. U. S.  
Dept. Agr. 31, fig. 24.
1877. *Aphrophora quadrangularis.* Uhler, Rep. Ins.  
Coll. in 1875, 457.
1888. *Lepyronia quadrangularis.* Comstock, Int. Ent.  
177, fig. 147.
1889. *Aphrophora quadrangularis.* Lintner, 5th Rep.  
Ins. N. Y. 245.
1890. *Lepyronia quadrangularis.* Van Duzee, Psyche,  
v, 388.  
*Lepyronia quadrangularis.* Smith, Cat. Ins.  
N. J. 442.
1892. *Lepyronia quadrangularis.* Southwick, Science,  
xix, 318.  
*Lepyronia quadrangularis.* Harrington, Ottawa  
Nat. vi, 31.
- Hab.*—Mo. (Say); Ill. and Penn. (Goding); Nova Scotia,  
Lake Winnipeg, and Great Bear Lake (Walker);  
N. Y. (Fitch); Mass. (Harris); Ont. (Harrington);  
Md. and Vt. (Glover); Denver, Col. (Uhler).

## 29. L. ANGULIFERA, Uhler.

1876. *Lepyronia angulifera.* Uhler, List Hem. West  
Miss. R. 348.

*Hab.*—N. W. Fla., Md., N. J. (Ocean Co.), Cuba, Tex., and N.  
Mex. (Uhler).

## VII. PTYELUS, LAP. &amp; SERV.

30. P. BASIVITTA, Walker.

1851. *Ptyelus basivitta*. Walk. List Hom. B. M. 719, 35.

*Hab.*—Hudson's Bay (Walker).

31. P. MUTANS, Walker.

1851. *Ptyelus mutans*. Walk. List Hom. B. M. 716, 29.

*Hab.*—West Coast of America (Walker).

## VIII. APHROPHORA, GERM.

32. A. QUADRINOTATA, Say.

1831. *Aphrophora quadrinotata*. Say, Jour. Acad. Nat. Sci. Phil. vi, 304, 2.

1851. *Aphrophora quadrinotata*. Fitch, Cat. Hom. N. Y. 52, 703.

*Ptyelus ? quadrinotatus*. Walk. List Hom. B. M. 1154, 51.

1856. *Aphrophora quadrinotata*. Fitch, 3d Rep. Ins. N. Y. 70; in Trans. Agr. Soc. 388, 97.

1859. *Aphrophora quadrinotata*. Say, Compl. Writ. ii, 381, 2.

1876. *Aphrophora quadrinotata*. Glover, Rep. U. S. Dept. Agr. 31, Fig. 27.

1878. *Aphrophora quadrinotata*. Uhler, List Hem. Dak. and Mont. 510, 50.

1883. *Aphrophora quadrinotata*. Saunders, Fruit Ins. 242, 127.

1888. *Aphrophora quadrinotata*. Comstock, Int. Ent. 177.

1889. *Aphrophora quadrinotata*. Lintner, 5th Rep. Ins. N. Y. 245.

1890. *Aphrophora quadrinotata*. Smith, Cat. Ins. N. J. 443.

*Aphrophora quadrinotata*. Van Duzee, Psyche, v, 388.

1892. *Aphrophora quadrinotata*. Southwick, Science, xix, 318.

1892. *Aphrophora quadrinotata*. Harrington, Ottawa  
Nat. vi, 31.

*Hab.*—N. Y. (Fitch); N. J. (Smith); Md. (Glover); Ont.,  
Can. (Harrington); Pembina, N. Dak. (Uhler); Me.  
(Packard); Ill. (Forbes).

33. A. PERMUTATA, Uhler.

1872. *Aphrophora permutata*. Uhler, List Hem. Col.  
and N. Mex. 472.

1876. *Aphrophora permutata*. Uhler, List Hem. West  
Miss. R. 345.

*Hab.*—Col., New Mex., Utah, and Calif. (Uhler).

34. A. PARALLELA, Say.

1824. *Cercopis parallela*. Say, Narr. Long's Exped.  
ii, 303.

1841. *Aphrophora parallela*. Harris, Rep. Ins. Mass.

1851. *Ptyelus cibratus*. Walk. List Hom. B. M. 712,  
20 [*fide* Fitch].

- Ptyelus parallelus*. Walk. List Hom. B. M. 713,  
23, and 1153, 23.

- Lepyronia parallela*. Fitch, Cat. Hom. N. Y. 53,  
708.

1856. *Aphrophora parallela*. Fitch, 3d Rep. Ins. N. Y.  
70; in Trans. Agr. Soc. 388.

1857. *Aphrophora parallela*. Fitch, 4th Rep. Ins. N. Y.  
51; in Trans. Agr. Soc. 737, 257.

1859. *Cercopis parallela*. Say, Compl. Writ. i, 202.  
*Aphrophora parallela*. Say, Compl. Writ. ii, 382.

1862. *Aphrophora parallela*. Harris, Treatise, 225.

1876. *Aphrophora parallela*. Glover, Rep. U. S. Dept.  
Agr. 31, fig. 26.

1889. *Aphrophora parallela*. Lintner, 5th Rep. Ins.  
N. Y. 245.

1890. *Aphrophora parallela*. Van Duzee, Psyche, v,  
388.

- Aphrophora parallela*. Smith, Cat. Ins. N. J.  
443.

- Aphrophora parallela*. Packard, Ins. Inj. Forest  
and Shade Trees, 741, 71.

1892. *Aphrophora parallela*. Southwick, Science, xix,  
318.

*Aphrophora parallela*. Harrington, Ottawa Nat.  
vi, 31.

*Hab.*—Mo. and Ark. (*Say*) ; Ill. and Penn. (*Goding*) ; Nova  
Scotia (*Walker*) ; Ont. (*Harrington*) ; Md. (*Glover*) ;  
N. J. (*Smith*) ; Mass. (*Harris*) ; N. Y. (*Fitch*).

35. A. SARATOGENSIS, Fitch.

1851. *Lepyronia saratogensis*. Fitch, Cat. Hom. N. Y.  
53, 710.

*Ptyelus detritus*. Walker, List Hom. B. M. 713,  
22.

*Ptyelus gelidus*. Walker, List Hom. B. M. 714,  
24.

*Ptyelus saratogensis*. Walker, List Hom. B. M.  
1153, 24.

1856. *Aphrophora saratogensis*. Fitch, 3d Rep. Ins.  
N. Y. 70 ; in Trans. Agr. Soc. 388.

*Aphrophora gelidus*. Fitch, 3d Rep. Ins. N. Y.  
70 ; in Trans. Agr. Soc. 388.

1857. *Aphrophora saratogensis*. Fitch, 4th Rep. Ins.  
N. Y. 52 ; in Trans. Agr. Soc. 738, 258.

1890. *Aphrophora saratogensis*. Van Duzee, Psyche, v,  
390.

*Philenrus saratogensis*. Smith, Cat. Ins. N. J.  
443.

*Aphrophora saratogensis*. Packard, Ins. Inj.  
Forest and Shade Trees, 7:2, 72.

1892. *Aphrophora saratogensis*. Harrington, Ottawa  
Nat. vi, 31.

*Hab.*—N. Y. (*Fitch*) ; N. J. (*Smith*) ; Ont., Can. (*Harrington*) ;  
Nova Scotia, and Fla., (*Walker*).

36. A. FASCIALIS, Walker.

1858. *Aphrophora fascialis*. Walk. Ins. Saund. Hom.  
93.

*Hab.*—U. S. (*Walker*).

## 37. A. SIGNORETHI, Fitch.

1856. *Aphrophora signoretii*. Fitch, 3d Rep. Ins. N. Y.  
70; in Trans. Agr. Soc. 388, 98.  
1883. *Aphrophora signoretii*. Saunders, Ins. Inj. to  
Fruits, 242, 128.  
1889. *Aphrophora signoretii*. Lintner, 5th Rep. Ins.  
N. Y. 245.  
1890. *Aphrophora signoretii*. Van Duzee, Psyche, v,  
390.

*Hab.*—N. Y. (Fitch).

## IX. CEPHISUS, STÅL.

## 38. C. SICCIFOLIUS, Walker.

1851. *Aphrophora siccifolia*. Walker, List Hom. B. M.  
698, 3.  
*Aphrophora occidentis*. Walker, List Hom. B. M.  
699, 4.  
*Aphrophora diminuta*. Walker, List Hom. B. M.  
699, 5.  
1853. *Cercopis gigas*. Sign. Rev. et Mag. de Zool, ser.  
2, v, 183 [*fide* Berg].  
1858. *Ptyelus variolosus*. Walk. List Hom. B. M.  
Suppl. 188.  
*Aphrophora siccifolia*. Stål, Hem. Rio Jan. ii,  
15, 1.  
1864. *Ptyelus siccifolius*. Stål, Hem. Mex. 65, 401.  
1866. *Cephisus siccifolius*. Stål, Berl. Ent. Zeit. x,  
384.  
1869. *Cephisus siccifolius*. Stål, Hem. Fabr. ii, 18.  
1879. *Cephisus siccifolius*. Berg. Hem. Argent. 238,  
291.

*Hab.*—West Coast America, and Mex. (Walker).

## X. PHILÆNUS, STÅL.

## 39. P. LINEATUS, Linn.

1761. *Cicada lineata*. Linn. Faun. Suec. 241, 888.  
1781. *Cercopis lineatus*. Fabr. Spec. Ins. ii, 330, 8.  
1787. *Cercopis lineata*. Fabr. Mant. Ins. ii, 274, 13.

1794. *Cicada abbreviata*. Fabr. Ent. Syst. iv, 36, 41.  
*Cercopis lineata*. Fabr. Ent. Syst. iv, 52, 24.  
*Aphrophora lineata*. Burm. Handb. Ent. ii, 123, 4.  
*Cicada lineata*. Linn. Syst. Nat. (ed. xii), 709, 31.  
*Cicada lineata*. Gmel. Ed. Syst. Nat. i, 4, 2103, 31.
1803. *Cercopis lineata*. Fabr. Syst. Rhyng. 96, 42.  
1809. *Cercopis lineata*. Panz. Faun. Ins. Germ. ciii, 9.  
1821. *Aphrophora abbreviata*. Germ. Mag. Ent. iv, 54, 10.  
1826. *Cercopis lineatus*, Fall. Hem. Suec. ii, 20, 6.  
1831. *Aphrophora bilineata*. Say, Jour. Acad. Nat. Sci. Phil. vi, 304, 1.  
1838. *Cercopis lineatus*, Zett. Ins. Lapp. 287, 3.  
1851. *Ptyelus lineatus*. Walk. List Hom. B. M. 722, 37.  
1855. *Ptyelus lineatus*, Kirschb. Cic. Geg. Weisb. 65, 2.  
1859. *Aphrophora bilineata*. Say, Compl. Writ. ii, 381, 1.  
1861. *Ptyelus lineatus*, Flor, Rhynch. Livl. ii, 123, 1.  
1869. *Philenrus lineatus*. Stål, Hem. Fabr. ii, 16, 2.  
1871. *Philenrus lineatus*. Sahlberg, Faun. Flor. Fenn. 96, 7.  
1872. *Ptyelus lineatus*. Uhler, List Hem. Col. and N. Mex. 472.  
1876. *Philenrus lineatus*. Uhler, List Hem. West Miss. R. 347, 2.  
1877. *Philenrus lineatus*. Uhler, Rep. Ins. Coll. in 1875, 458.  
1878. *Philenrus lineatus*. Uhler, List Hem. Dak. and Mont. 510, 51.  
1884. *Ptyelus lineatus*. Uhler, Stand. Nat. Hist. ii, 243.  
1888. *Ptyelus lineatus*. Leth. Ext. Mem. Soc. Linn. N. Fr. vii, 9.  
*Ptyelus lineatus*. Lintner, 4th Rep. Ins. N. Y. 120, fig. 49.

1888. *Ptyelus lineatus.* Packard, Ent. for Begin. 82,  
fig. 69.  
 1889. *Ptyelus lineatus.* Lintner, 5th Rep. Ins. N. Y.  
245.  
 1890. *Philænus lineatus.* Van Duzee, Psyche, v, 388.  
*Philænus lineatus.* Smith, Cat. Ins. N. J. 443.  
*Philænus bilineatus.* Smith, Cat. Ins. N. J. 443.  
 1892. *Philænus lineatus.* Harrington, Ottawa Nat.  
vi, 31.

*Hab.*—Mo. (*Say*) ; Col. (*Uhler*) ; Yukon R., Brit. Am., Hud-  
son Bay to Mass., Red River (Minn) to Mackenzie  
River, Nova Scotia, Newfoundland, Maine, Pembina  
(N. Dak.), Turtle Mt., Milk R., N. Mex., all of N. A.  
(*Uhler*) ; Ont., Can. (*Harrington*) ; N. J. (*Smith*) ;  
N. Y. (*Lintner*).

40. P. ABJECTUS, Uhler.

1876. *Philænus abjectus.* Uhler, List Hem. West Miss.  
R. 346, 1.  
*Hab.*—Colorado (*Uhler*).

41. P. SPUMARIUS, Linn.

1761. *Cicada spumaria.* Linn. Faun. Suec. (2d ed.)  
240, 881.  
*Cicada leucophthalma.* Linn. Faun. Suec. (2d  
ed.) 241, 883.  
*Cicada leucocephala.* Linn. Faun. Suec. (2d ed.)  
241, 885.  
*Cicada lateralis.* Linn. Faun. Suec. (2d ed.)  
241, 886.  
 1767. *Cicada spumaria.* Linn. Syst. Nat. (ed. xii)  
708, 24.  
*Cicada leucophthalma.* Linn. Syst. Nat. (ed.  
xii) 709, 26.  
*Cicada leucocephala.* Linn. Syst. Nat. (ed. xii)  
709, 28.  
*Cicada lateralis.* Linn. Syst. Nat. (ed. xii)  
709, 29.  
 1780. *Cicada spumaria.* De Geer, Abh. Gesch. Ins. iii,  
105, 1, pl. 11, fig. 1–21.

1787. *Cercopis fasciata*. Fabr. Mant. Ins. ii, 275, 18.  
1789. *Cicada spumaria*. Gmel. Ed. Syst. Nat. i, 4,  
2109, 146.  
1794. *Cercopis biguttata*. Fabr. Ent. Syst. iv, 55, 35.  
*Cercopis leucophthalma*. Fabr. Ent. Syst. iv, 52,  
21.  
*Cercopis leucocephala*. Fabr. Ent. Syst. iv, 52,  
22.  
*Cicada lateralis*. Fabr. Ent. Syst. iv, 35, 34.  
*Cercopis marginella*. Fabr. Ent. Syst. iv, 52, 20.  
*Cercopis rittata*. Fabr. Ent. Syst. iv, 53, 25.  
*Cercopis praeusta*. Fabr. Ent. Syst. iv, 53, 28.  
*Cercopis lineata*. Fabr. Ent. Syst. iv, 52, 24.  
*Cercopis populi*. Fabr. Ent. Syst. iv, 57, 45.  
1801. *Bandirte schaumcicade*. Schrank, Faun. Boic.  
ii, 55, 1066.  
1803. *Cercopis spumaria*. Fabr. Syst. Rhyng. 95, 35.  
*Cercopis marginella*. Fabr. Syst. Rhyng. 37, et.  
96, 44.  
*Cercopis leucophthalma*. Fabr. Syst. Rhyng. 95,  
38.  
*Cercopis leucocephala*. Fabr. Syst. Rhyng. 95, 39.  
*Cercopis lineata*. Fabr. Syst. Rhyng. 96, 42.  
*Cercopis rittata*. Fabr. Syst. Rhyng. 96, 45.  
*Cercopis lateralis*. Fabr. Syst. Rhyng. 96, 46.  
*Cercopis biguttata*. Fabr. Syst. Rhyng. 97, 53.  
*Cercopis fasciata*. Fabr. Syst. Rhyng. 97, 56.  
*Cercopis bifasciata*. Fabr. Syst. Rhyng. 98, 57.  
*Cercopis populi*. Fabr. Syst. Rhyng. 98, 63.  
1821. *Aphrophora bifasciata*. Germ. Mag. Ent. iv,  
51, 3.  
*Aphrophora leucophthalma*. Germ. Mag. Ent.  
iv, 52, 4.  
*Aphrophora lineata*. Germ. Mag. Ent. iv, 53, 5.  
*Aphrophora apicalis*. Germ. Mag. Ent. iv,  
53, 6.  
*Aphrophora ænotheræ*. Germ. Mag. Ent. iv,  
53, 7.  
*Aphrophora marginella*. Germ. Mag. Ent. iv,  
53, 8.

1826. *Cercopis spumaria.* Fall. Hem. Suec. ii, 14, 5.  
 1838. *Cercopis spumaria.* Zett. Ins. Lapp. 286, 2.  
*Aphrophora fasciata.* H.-Schäff. Deutschl. Ins. 112, 19.  
 1851. *Aphrophora spumaria.* Walk. List Hom. B. M. 697, 1.  
*Ptyelus bifasciatus.* Walk. List Hom. B. M. 719, 36, et. 1154, 36.  
 1855. *Ptyelus spumarius.* Kirschb. Cic. Geg. Weish. 66, 5.  
 1861. *Ptyelus spumarius.* Flor, Rhynch. Livl. ii, 126, 4.  
 1864. *Philenus spumarius.* Stål, Hem. Mex. 66.  
 1869. *Philenus spumarius.* Stål, Hem. Fabr. ii, 15, 1.  
 1870. *Aphrophora spumaria.* Am. Ent. ii, 234.  
 1871. *Philenus spumarius.* Sahlberg, Faun. Flor. Fenn.\* 89, 1.  
 1876. *Philenus spumaria.* Uhler, List Hem. West Miss. R. 347, 3.  
 1889. *Philenus spumaria.* Lintner, 5th Rep. Ins. N. Y. 245.  
 1890. *Philenus spumarius.* Smith, Cat. Ins. N. J. 443.  
*Hab.*—Utah, Dak., Sitka, Lake Winnipeg, Nova Scotia, Can., and N. Y. (*Uhler*); N. J. (*Smith*). Distributed generally over N. A., Me. (*Packard*).

## XI. CLASTOPTERA, GERM.

42. C. UNDULATA, Uhler.  
 1863. *Clastoptera undulata.* Uhler, Proc. Ent. Soc. Phil. ii, 160, 1.  
*Hab.*—Cuba (*Uhler*).  
 43. C. STOLIDA, Uhler.  
 1863. *Clastoptera stolida.* Uhler, Proc. Ent. Soc. Phil. ii, 161, 2.  
*Hab.*—Cuba (*Uhler*).  
 44. C. DELICATA, Uhler.  
 1876. *Clastoptera delicata.* Uhler, List Hem. West. Miss. R. 348.

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\* *Quod vide* for correct bibliography.

1877. *Clastoptera delicata*. Uhler, Rep. Ins. Coll. in 1875, 458.

*Hab.*—Colorado Springs, Col., and Utah, (Uhler).

45. C. OBTUSA, Say.

1825. *Cercopis obtusa*. Say, Jour. Acad. Nat. Sci. Phil. iv, 339, 2.

1839. *Clastoptera achatina*. Germ. Zeitschr. i, 187, 1.

1841. *Aphrophora obtusa*. Harris, Rep. Ins. Mass.

1851. *Clastoptera obtusa*. Fitch, Cat. Hom. N. Y. 53, 713.

*Clastoptera achatina*. Fitch, Cat. Hom. N. Y. 53.

*Clastoptera achatina*. Walk.\* List Hom. B. M. 842, 1, and 1160.

*Clastoptera obtusa*. Fitch, 3d Rep. Ins. N. Y. 71; in Trans. Agr. Soc. 389.

*Clastoptera obtusa*. Fitch, 3d Rep. Ins. N. Y. 148; in Trans. Agr. Soc. 466, 192, and 474.

1859. *Cercopis obtusa*. Say, Compl. Writ. ii, 256, 2.

1862. *Aphrophora obtusa*. Harris, Treatise, 225.

1884. *Clastoptera obtusa*. Uhler, Stand. Nat. Hist. ii, 244.

1888. *Clastoptera obtusa*. Comstock, Int. Ent. 178.

1889. *Clastoptera obtusa*. Lintner, 5th Rep. Ins. N. Y. 242.

*Clastoptera obtusa*. Prov. Pet. Faun. Can. iii, 259, 1.

1890. *Clastoptera obtusa*. Van Duzee, Psyche, v, 388.  
*Clostoptera obtusa*. Smith, Cat. Ins. N. J. 443.

*Clostoptera achatina*. Smith, Cat. Ins. N. J. 443.  
*Clostoptera obtusa*. Packard, Ins. Inj. Forest and Shade Trees, 342, 12.

1892. *Clastoptera obtusa*. Southwick, Sci. xix, 318.

*Clastoptera obtusa*. Harrington, Ottawa Nat. vi, 31.

*Hab.*—Ia. and Penn. (Say); Mass. (Harris); Ont., Can. (Harrington); N. Y. (Fitch); N. J. (Smith).

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\* Walker, with Fitch, considers *achatina* to be identical with *obtusa*. I have not access to the description of Germar's species.

## 46. C. TESTACEA, Fitch.

1851. *Clastoptera testacea*. Fitch, Cat. Hom. N. Y. 53, 715.  
*Clastoptera testacea*. Walk. List Hom. B. M. 1160, 8.  
1857. *Clastoptera testacea*. Fitch, 4th Rep. Ins. N. Y. 53; in Trans. Agr. Soc. 739, 260.  
1890. *Clastoptera testacea*. Van Duzee, Psyche, v, 388.  
*Clostoptera testacea*. Smith, Cat. Ins. N. J. 443.  
*Clastoptera testacea*. Packard, Ins. Inj. Forest and Shade Trees, 802, 136.  
*Hab.*—N. Y. (Fitch), N. J. (Smith).

## 47. C. XANTHOCEPHALA, Germar.

1839. *Clastoptera xanthocephala*. Germar, Zeitschr. 1, 189, 5.  
1851. *Clastoptera xanthocephala*. Walk. List Hom. B. M. 843, 5.  
1890. *Clostoptera xanthocephala*. Smith, Cat. Ins. N. J. 443.  
*Hab.*—Penn. and Carolina (Walker), N. J. (Smith), Tex. and D. C. (Forbes).

## 48. C. PINI, Fitch.

1851. *Clastoptera pini*. Fitch, Cat. Hom. N. Y. 53, 719.  
*Clastoptera pini*. Walk. List Hom. B. M. 1160, 9.  
1857. *Clastoptera pini*. Fitch, 4th Rep. Ins. N. Y. 52; in Trans. Agr. Soc. 738, 259.  
1890. *Clastoptera pini*. Van Duzee, Psyche, v, 388.  
*Clostoptera pini*. Smith, Cat. Ins. N. J. 443.  
*Clastoptera pini*. Packard, Ins. Inj. Forest and Shade Trees, 802, 135, fig. 272.  
*Hab.*—N. Y. (Fitch), N. J. (Smith).

## 49. C. PROTEUS, Fitch.

1851. *Clastoptera proteus*. Fitch, Cat. Hom. N. Y. 54, 722.

1851. *Clastoptera protens*, var. *flavicollis*. Fitch, Cat.  
Hom. N. Y. 54.  
*Clastoptera protens*, var. *cincticollis*. Fitch, Cat.  
Hom. N. Y. 54.  
*Clastoptera protens*, var. *maculicollis*. Fitch, Cat.  
Hom. N. Y. 54.  
*Clastoptera protens*, var. *nigricollis*. Fitch, Cat.  
Hom. N. Y. 55.  
*Clastoptera protens*. Walk. List Hom. B. M.  
1160, 10.  
1862. *Clastoptera protens*. Flint, in Harris's Treatise,  
225, pl. 3, fig. 6.  
1876. *Clastoptera protens*. Glover, Rep. U. S. Dept.  
Agr. 31, fig. 28.  
1883. *Clastoptera protens*. Saunders, Fruit Insects, 374,  
236.  
1888. *Clastoptera protens*. Comstock, Int. Ent. 178.  
1890. *Clastoptera protens*. Van Duzee, Psyche, v, 388.  
*Clostoptera protens*. Smith, Cat. Ins. N. J. 443.  
1892. *Clastoptera protens*. Southwick, Science, xix,  
318.  
*Clastoptera protens*. Harrington, Ottawa Nat.  
vi, 31.  
*Hab.*—N. Y. (Fitch), Mass. (Flint), East. States (Glover),  
N. J. (Smith), Ont., Can. (Harrington), D. C. and  
Ill. (Forbes).  
50. C. BREVIS, Walker.  
1851. *Lepyrnia breris*. Walk. List Hom. B. M.  
727, 7.  
*Lepyrnia* ? *signifera*. Walk. List Hom. B. M.  
728, 9.  
1862. *Clastoptera brevis*. Stål, Öf. K. Vet.-Akad.  
Förh. 494.  
*Hab.*—Porto Rico (Walker).  
51. C. LINEATOCOLLIS, Stål.  
1859. *Clastoptera lineatocollis*. Stål, Eug. Resa. Omk.  
Jord. iv, 285, 197.  
*Hab.*—San Francisco, Calif. (Stål).