

pseudopleura, both laterally and ventrally, among the numerous small pores.

Spiracles moderately small, mostly obliquely suboval.

The head and last five segments brown, a little paler beneath than above; elsewhere the body yellow, the anterior segments being darkened a little; legs pale yellow; antennæ light brown proximally, becoming yellow distally.

Length, 21 mm.

Locality: Warm Springs, Salt Lake County, Utah (May, 1908).

HEMIPTERA: NEW AND OLD.—NO. I.

BY G. W. KIRKALDY, HONOLULU, HAWAIIAN ISLANDS.

Fam. Aradidæ.

1. *Aradus montivagus*, nom. nov., = *planus*, Fabricius, 1803 (not of the same author, 1794).

Fam. Lygæidæ.

2. *Acanthocephala nasula* (Say) = || *femorata* (Fabricius).
3. *Cletus signatus*, Walker, 1871, = || *bipunctata* (Westwood, 1842).
4. *C. bipunctatus*, H.-S., 1840, = *pugnator*, Lethierry & Severin, 1894, = *armatulus*, Breddin, 1905.

C. pugnator was merely a misidentification of a Fabrician species, and was, moreover, unaccompanied by a description.

5. *Arenocoris*, Hahn, 1834, = *Pseudophloeus*, Burmeister, 1835, = *Spathocera*, Stein, 1860.

Pseudophloeus was proposed to supersede *Arenocoris* because the latter was, etymologically, a hybrid; it therefore must take the same type.

6. *Ulmicola*, nom. nov., = *Arenocoris*, Fieber, 1860, type *spinipes*.
7. *Coriscus Stalianus*, nom. nov., = || *Alydus dentipes*, Stål, 1868, Svensk. Vet. Handl., 7, No. 11, p. 65.

8. *Merocoris*, Perty, 1833 (not 1830).

Coriomeris, Westwood, 1842, = || *Merocoris*, Hahn, 1834 (not 1831).

[Fam. Cimicidæ: *Plisthenes*, = || *Merocoris*, Burmeister, 1834.]

9. *Riptortus nipponensis*, n. n., *II-clavatus*, Thunb., 1783, = *II-annulatus*, Uhler, 1860.

10. *Boudicca*, nom. nov., = *Pseudophloeus*, Auctt., type *Fallenii*.

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Fam. Pyrrhocoridae.

11. *Pyrrhocoris*, Fallén, 1814, = *Astemma*, Lepeletier & Serville, 1825; type *apterus*. Lepeletier & Serville included three species in their genus at its inception, but the first, *apterus*, is the only one mentioned in the generic description, where it is cited as the only one whose habits are known.

Fam. Myodochidae.

12. *Oncopeltus Bergianus*, nom. nov., =|| *Stalii*, Berg, 1883.
 13. *Stalagmostethus sinensis* (as var. of *venustus*) (Reuter, 1888), =|| *cruciger*, Motshulsky, =|| *marginatus*, Jakovler, =|| *elegans*, Distant, = *jakowleffi*, Lethierry & Severin.
 14. *S. neotropicalis*, nom. nov., =|| *dispar* (Stal).
 15. *S. furcula* (H.-S., 1850), =|| *festivus* (Thunberg).
 16. *S. melanesicus*, nom. nov., =|| *mactans* (Stal), =|| *ruficeps* (Walker).
 17. *Artheneis*, Spinola, 1837 (type *eymoides*), = *Nysius*, Dallas, 1852.
 18. *A. helvetica* (H.-S., 1850), = *lineata* (Costa, 1852).
 19. *Heterogaster semicolon*, Fieber, 1837, = *affinis*, H.-S., 1838.
 20. *Oxycarenus pallens*, H.-S., 1850, = *collaris*, Mulsant & Rey, 1852.
 21. *Tyrrheneis*, gen. nov., = *Artheneis*, Auctt. (type *foveolata*).
 22. *Orthæa neotropicalis*, nom. nov., =|| *serripes* (Fabricius).
 23. *Rhyparochromus maculipennis*, Curtis, 1836, = *prætextatus*, H.-S., 1837.

Reuter has already pointed out that *Budeus*, Distant, was founded on nymphs (mistaken for short-winged adults !). I think that *B. brevipennis*, Distant, is the final nymph of *Orthæa pallicornis* (Dallas); the long fourth segment of the antennæ was evidently missing.

24. *Critobulus*, Distant, is also probably the nymph of a *Dieuches*.
 25. *Ischnorhynchus truncatulus*, Walker, var. *Horvathiana*, nov., =|| *geminatus*, Fieber.

Fam. Gerridae.

26. *Velia Osborniana*, nom. nov., =|| *brunnea*, Osborn, 1904.

Fam. Reduviidae.

27. *Apiomerus incisus*, H.-S., 1846, = *geniculatus*, Erichson, 1848.
 28. *A. rubricinctus*, var. *Stalianus*, nov., =|| *geniculatus*, Stal.
 29. *Coranus neotropicalis*, nom. nov., =|| *bimaculatus* (Fabricius).
 30. *Harpactor xosanus*, nom. nov., =|| *tibialis*, Stal.
 31. *Isocondylus pungens*, H.-S., 1846, =|| *elongatus*, Lepeletier & Serville.
 32. *Notocyrtus flavolineatus*, Stal, =|| *dorsalis* (Gray).

33. *Patago patagonicus*, nom. nov., =|| *obsoletus* (Blanchard).
34. *Phemius tuberculifer*, Stal., =|| *tibialis* (Westwood).
35. *Peirates niger*, H.-S., 1835, = *unicolor*, H.-S., 1836, = *strepitans*, Rambur.
36. *Ploeogaster gesana*, nom. nov., =|| *geniculatus*, Lepeletier & Serville.
37. *Reduvius osiris*, nom. nov., =|| *dorsalis*, Stal.
38. *Spiniger Lepeletierianus*, nom. nov., =|| *ater* (Lepeletier & Serville).
39. *S. circumcinctus*, nom. nov., =|| *limbatus* (Lepeletier & Serville).
40. *Zelus speciosus*, var. *agavis*, Blasquez, 1870, = var. *Stolli*, Lethierry & Severin, 1896.

Fam. Miridæ.

41. *Calocoris neotropicalis*, nom. nov., =|| *bimaculatus* (Fabricius).
42. *Liocoris tripustulatus*, var. *picta*, Hahn, 1833, = var. *autumnalis*, Reuter, 1875.
43. *Reada Mayri*, White, 1878, = *Reuda Mayrii*, Atkinson Cat., 107.
44. *Phytocoris helveticus*, nom. nov., =|| *albofasciatus*, Fieber.
45. *Resthenia menanochra*, H.-S., 1846, = *melanochra*, Auctt.
46. *Saturniomeris papuanus*, nom. nov., =|| *tristis* (Walker).
47. *Tichorhinus pelagicus*, nom. nov., =|| *Orthotylus mutabilis*, F. B. White, 1878.

Fam. Issidæ.

48. In Bull. Haw. Plant. Ent., I, 440 (1906), I stated that the description of *Issus decipiens*, Spinola, was unknown to me. Melichar (1906, Abh. zool. bot. Ges., Wien, III, No. 4, p. 156) cites it as 1839, A. S. E., France, VIII, 3, but could not have referred to the original, as it certainly is not there. I suspect that the correct reference will be found in Gay's "Chile" (1852).
49. *Hemisphærius bipunctatus*, var. *rufomarginata*, nov., =|| *viridis*, Melichar.

Fam. Poekillopteridæ.

50. *Euricania jo* (Boisduval, 1835), = *oculata* (Guérin, 1838).
51. *Mindura sundana*, nom. nov., =|| (*fuscata*, Fabricius, 1794).
52. *Ormenis antillarum*, nom. nov., =|| *quadripunctata* (Fabricius).
53. *O. insulicola*, nom. nov., =|| *pygmæa* (Fabricius).
54. *Neomelicharia amoena* (Walker), =|| *pustulata* (Donovan).

Fam. Tetigoniidæ.

55. *Stictodepsa neotropicalis*, nom. nov., =|| *fuscata* (Fabricius).
56. *Euaanthus interstinctus* (Fallén), =|| *acuminatus* (Fabricius).