

Species 4. *Oeciacus vicarius* Horvath.

This is the widely distributed bedbug of swallows' nests in North America, which I reported from the nests of eave swallows (***Petrochelidon lunifrons*** (Say) in 1930. 1. and which Dr. Herbert Osborn 2, 3 reported as early as 1892 and again in 1906 from the nests of barn swallows (***Hirundo erythrogastra*** Bodd.). I have since taken them from barn swallows' nests from widely separated points in the province. My records show that these insects breed abundantly in the substance of these nests but especially in eave swallows' nests, where all stages may be found in July; by the end of August, all the eggs have hatched. The bugs, in all instars, occur in nests from which the birds have flown in August and must remain there all winter, although I cannot say at present if all stages survive the winter. Even if some of them do survive the winter, it is likely that birds migrating from the south bring a fresh stock with them in spring (when we consider the case of the bat bugs I have just mentioned), firmly adhering to their hosts.

This species certainly bites human beings when it becomes abundant even when the swallows are still present, but especially when the birds have migrated. (Spencer 1.) At times these bugs are very numerous; in one of the famous roadhouses up the Cariboo highway they swarm over the ceilings of some of the rooms when the birds have left and form flat masses over a foot in diameter. Such a condition, however, prevails only where nests are extremely numerous, running up into several score. Generally within one week or ten days after the birds have left, the bugs scatter to hiding places in the roof and are not found again until the following season when the swallows return.

1. Spencer, G. J., The Status of the Barn Swallow Bug, ***Oeciacus vicarius*** Horvath. Can. Ent., Vol. LXII, No. 1, 1930.
2. Osborn, Herbert, Can. Ent., Vol XXIV, p. 262, 1892.
3. Osborn, Herbert, Bul. 5, N.S., U.S. Div. Ent., 1896, p 161c,

Acknowledgment

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ADDITIONS TO THE LIST OF B. C. HEMIPTERA

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Since the first list of B. C. Hemiptera and Homoptera was published in 1927 (Proc. B. C. Ent. Soc. No. 23) a number of additional species have been recorded in literature. Many others are mentioned in the following list for the first time as occurring in British Columbia. Four of these appear to be European introductions. Most of the newly recorded species belong to the Hemiptera. Only a few species have been added to the list of Homoptera and there is much need of further collecting in this order.

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Order HEMIPTERA

Family CYDNIDAE

Geotomus uhleri Sign. Summerland, 30. V. 32 (A. N. Gartrell.) In Can. Nat. Coll.; det. G. S. Walley.

Family PENTATOMIDAE

Neottiglossa tumidifrons Downes. Victoria, 7. VI. 23 (W.D.); Goldstream, 15. IX. 27 (W.D.); Vernon, 10. VI. 18 (M.H.R.)

This species has previously been confused with *sulcifrons* and *cavifrons* neither of which are known to occur in British Columbia.

Family ARADIDAE

Aradus quadrilineatus Say. Princeton, 24. V. 24 (Auden); det. Parshley.

Aradus paganicus Parsh. Kelowna, 19. I. 23 (W.D.), Penticton, 23. I. 25 (W.D.) Hibernating in numbers under outer flakes of bark of dead *Pinus ponderosa*, especially near the ground; det. Parshley.

Family TINGITIDAE

Acalypta saundersi Downes. Goldstream, 15. VII. 26. (Saunders). One dead specimen among detritus at edge of reservoir; det. Downes.

Acalypta nyctilis Drake. Lorne 28. VII. 25 (Richmond). In a field cage surrounding Engelmann spruce; det. Drake.

Teleonemia nigrina Champ. Agassiz, 16. VII. 33. (R.G.), on *Pentstemon* spp.; det. Drake

Family ANTHOCORIDAE

Acompocoris feratis D & H. Kaslo. Proc. Biol. Soc. Wash. 39, pp. 30-46).

Tetraphleps profugus D & H. Kaslo. (Ibid.)

Family **MIRIDAE**

- Dacerla downesi** Knight. Jordan Meadows, Vanc. Id. at 1700 ft (W.D.); det. Downes
- Polymerus basivittis** var. **pallidulus** Knight. Chilcotin, 23. VI. 29 (G.J.S.); det. Knight.
- Platylygus grandis** Knight. Malahat, 30. VIII. 29 (W.D.); det. Knight.
- Dicyphus discrepans** Knight. Saanich, 3. V. 18. (W.D.) Vanc. 25. VIII. 26; det Knight.
- Ceratocapsus downesi** Knight. Saanich, 11. IX. 18. (W.D.); det. Knight. Formerly recorded as *Ceratocapsus fusiformis* Van D.
- Lopidea taurina** Van D. Midday Valley, VI. 24 (K.F.A.); det. Knight.
- Lopidea yakima** Knight. Midday Valley, VI. 24 (K.F.A.); det. Knight
- Lopidea aculeata** Van D. Saanich, 23. VII. 29 (W.H.P.); det. Knight.
- Lopidea mohave** Knight. Merritt, 11. VIII. 23 (R.H.); det. Knight.
- Heterotoma meriopterum** Scop. Victoria, 6. VIII. 33, 17. VII. 34 (W.D.) Swept in large numbers from broom (*Cytisus scoparius*) at Mount Douglas. (European); det. Downes.
- Melanotrichus concolor** (Kirsch). Nanaimo, 6. VII. 32 (W.D.) Victoria, 6. VIII. 33 (W.D.) Very abundant on broom; (European; recorded also from Massachusetts); det. Knight.
- Melanotrichus atricornis** Knight. Lillooet, 28. V. 26 (J. McD.) on sage brush; det. Knight.
- Deraeocoris schwarzii** Uhl. Summerland, 18. VII. 23 (W.D.); det. Knight.
- Deraeocoris piceicola** Knight. Barkerville, 14. VIII. 21 (E.R.B.), Stanley,
- Plagiognathus suffuscipennis** Knight. Stanley, 22. VII. 32 (W.G.M.); det. Knight.
- Microsynamma bohemani** (Fall.) Duncan, 17. VII. 27 (W.D.) Swept from willows, bed of Cowichan River; det. Knight.

Family **SALDIDAE**

- Lampracanthia obscura** Prov. Victoria, 20. V. 25 (W.D.); In damp meadows under stones; det. Downes.

Family **BELOSTOMATIDAE**

- Belostoma flumineum** Say. Salmon Arm, 10. V. 29. (H.B.L.); det. Downes.

Family **CORIXIDAE**

- Callicorixa audeni** Hungerford. Adams L. 20. VII. 25. (Auden) (Can. Ent. Sept. 1928, p. 229).
- Arctocorixa modesta** Abbott. Vernon, 26. IX. 19. (W.D.); det. Walley.

Order **HOMOPTERA**Family **MEMBRACIDAE**

- Gargara genistae** (Fab.) Victoria, 6. VII. 33 (W.D.); Swept from broom (*Cytisus scoparius*) at Mt. Douglas. (European); det. Downes.

Family **CICADELLIDAE**

- Idiocerus scurra** (Germ). New Westminster, 21. VII. 22 (R.G.); det. Downes.
- Twiningia scrupulosa** Ball. Saanich, 23. VII. 24 (W.D.); det. Oman.
- Eutettix incertus** G & B. Duncan, 22. IX. 25 (W.D.); det. Oman.
- Phlepsius decorus** O & B. Merritt, 11. IX. 25 (W.G.M.); det. Oman.
- Phlepsius extremus** Ball. Goldstream, 28 IV. 26 (W.D.); det. Oman.
- Thamnotettix ciliatus** Osb. Cowichan, 22. IX. 25 (W.D.), in tidal meadows; det. Oman.
- Eupteryx melissae** Curtis. Victoria, 6. XI. 26 (W.D.), on *Salvia officinalis*. (European); det. Oman.
- Erythroneura ziczac** Walsh. Mission, 10. IX. 24 (W.D.), on Willow; det. Oman.

Family **CHERMIDAE**

- Aphalara rumicis** Mally. Chilliwack, 19. VII. 25 (Whittaker); det. Klyver.
- Aphalara vancouverensis** Klyver. Duncan, 29. VI. 22 (W.D.), host unknown; det. Klyver.
- Aphalara nebulosa kincaidi** Ashmead. Chilliwack, 20. V. 26 (Whittaker), host unknown.
- Euphyllura arctostaphyli** Schwarz. Merritt, 25, VIII. 25 (W.M.), on *Pinus ponderosa*; det. Klyver.
- Psyllia parallela** Crawford. Chilcotin, 1. IX. 30 (E.R.B.); Chilliwack, 15. 2. 23 (Whittaker), hosts unknown; det. Klyver.
- Psyllia astigmata** Crawford Thormanby Id., 8 VIII. 25 (Whittaker), host unknown. Esquimalt, 22 IX. 27 (W.D.) from wild cherry; det. Klyver.
- Psyllia caudata** Crawford. Vancouver, 28. VII. 22 (W.D.), host unknown; det. Klyver.