

VII. *The effect of Neotran upon predators which were fed with treated host material.*

Fifty *Zagloba ornata* were placed on host material, *Aspidiotus lataniae*, which had been treated with Neotran, and under experimental conditions no harmful effects were noted. Widespread use of this procedure, however, resulted in a marked drop in beetle production. These results again are inconclusive because of the possibilities of contamination and will be repeated under more carefully controlled conditions.

A New Species of *Laccocera* from Canada and Records of Other Canadian Species (Homoptera: Araeopidae)¹

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The fulgorids of the genus *Laccocera* Van Duzee were revised by Penner (1945. J. Kansas Ent. Soc. 18: 30-46), who described and figured the seven species known to occur in North America. In all, five species are represented in the Canadian National Collection. One of these is previously undescribed, and three others have not been recorded from Canada previously. The following are a description of the new species and records of other Canadian species from specimens in the Collection.

***Laccocera canadensis* n. sp.**

Length of macropterous male: to tip of abdomen, 2.6 mm., to tip of forewing, 3.4 mm.; length of macropterous female: to tip of abdomen, 2.8 mm., to tip of forewing, 3.8 mm.

Vertex (Fig. 1) as long as wide; anterior margin rounded, posterior margin straight; median cell angulate anteriorly; lateral cells large, each with two well-defined pits; basal cells large, with the carinae distinct. Frons (Fig. 2) longer than wide, widest above the middle; each half with seven pits, of which three are near the margin next the eyes and four are in a straight line parallel to the median carina. Pronotum two-thirds as long as the vertex, three times as wide as its median length; with nine pits on each side. Scutellum about twice as wide as long.

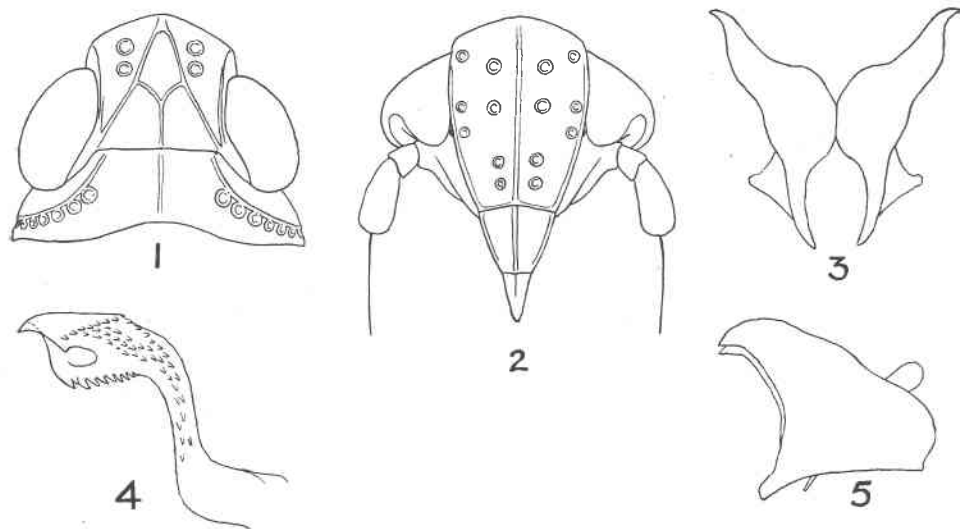
Vertex dirty yellow; face dirty yellow, slightly darker than the vertex and becoming brownish in the lateral compartments of the clypeus; head sometimes brownish at the sides below the eyes. Prothorax dirty yellow; scutellum dirty yellow to yellowish-brown, with a brownish-red suffusion in each lateral compartment. Legs light brown, with the coxae and the pleural pieces brown. Wings smoky hyaline, the veins brown. Abdomen dark brown, with the pits and the posterior margins of the segments yellowish.

Male genitalia: styles (Fig. 3) each broad basally, tapering and sinuately curving, and ending in a slight hook; aedoeagus (Fig. 4) broad at proximal end, narrowed through middle, and expanded at apex, curved upward beyond the base and downward near the apex, the apical portion margined below with a row of teeth and with a band of teeth on each side extending down the shaft to the first bend, the tip being sharply pointed; processes of anal appendage short, curved, and rapidly tapering (Fig. 5).

Described from eight macropterous specimens. This species is easily recognized by characters of the male genitalia, notably the form and ornamentation of the aedoeagus.

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FIGS. 1-5. *Laccocera canadensis* n. sp. 1, vertex and prothorax; 2, face; 3, male styles, ventral view; 4, aedeagus, lateral view; 5, anal appendage of male, lateral view.

Holotype ♂ :—Saskatoon, Saskatchewan, May 17, 1925 (K. M. King). No. 5904 in the Canadian National Collection, Ottawa.

Allotype ♀ :—Same data as holotype.

Paratypes:—2 ♂, Saskatoon, Saskatchewan, May 15, 1923 (K. M. King); 2 ♀, same data as holotype; 2 ♀, same data as male paratypes.

***Laccocera vittipennis* (Van Duzee)**

This is the only member of the genus that has been recorded previously from Canada. It appears to be common and widely distributed. Quebec: Kazubazua, Covey Hill, and Knowlton (G. S. Walley); Ontario: Bell's Corners (E. G. Lester), Norway Point, Lake of Bays (J. McDunnough), Fisher Glen and Ottawa (G. S. Walley); Saskatchewan: Saskatoon (K. M. King, N. J. Atkinson, and A. R. Brooks), Rutland and Attons Lake, Cut Knife (A. R. Brooks), Roadene and Fish Creek (K. M. King), Pike Lake (B. P. Beirne); Alberta: Lethbridge (R. W. Salt, J. H. Pepper, and B. P. Beirne), Raymond (E. H. Strickland), Glenwood (R. W. Salt), Medicine Hat (J. H. Pepper); British Columbia: Rolla (P. N. Vroom).

***Laccocera obesa* (Van Duzee)**

Saskatchewan: Saskatoon (K. M. King).

***Laccocera flava* Crawford**

Alberta: Lethbridge and Medicine Hat (J. H. Pepper).

***Laccocera oregonensis* Penner**

British Columbia: Kamloops and Summerland (B. P. Beirne).