

A NEW SPECIES OF MALLOPHAGA FROM THE BAND-TAILED PIGEON

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A new chewing louse collected off the Band-tailed Pigeon in British Columbia is herewith described.

Physconelloides spenceri n. sp.

MALE. Head 0.40 mm. in length and 0.61 mm. in breadth. Ventral, anterior spine-like processes of forehead as in *P. zenaidurae* (McGregor). Lateral, preantennal spine-like processes longer than in *P. zenaidurae*, but shorter than in *P. passerinae* Emerson. Chaetotaxy, except for terminal abdominal segments, as in *P. zenaidurae*. Chaetotaxy of genital opening as shown in figure 4. The male genitalia do not appear to be distinctive.

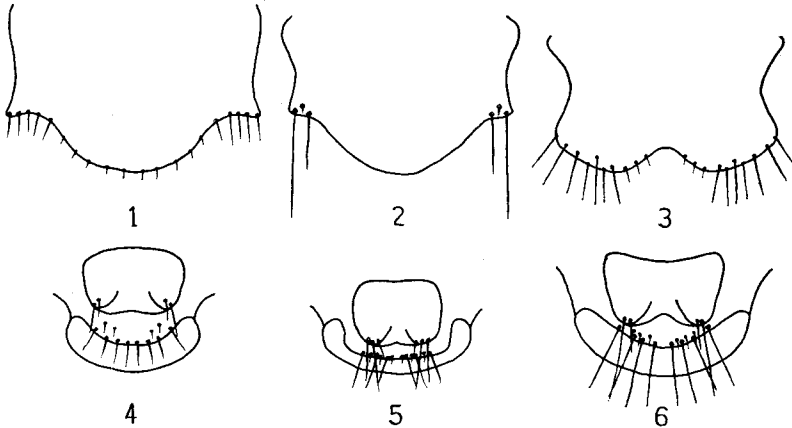
FEMALE. Head 0.48 mm. in length and 0.70 mm. in breadth. Spine-like processes of the head as in the male. Chaetotaxy, except for terminal abdominal segments, as in *P. zenaidurae*. Chaetotaxy of vulva as shown in figure 1.

Type host: *Columba fasciata fasciata* Say, Band-tailed Pigeon.

Type material: Holotype male, allotype female, and sixteen paratypes collected at Vancouver, British Columbia, by Professor G. J. Spencer on

October 6, 1952. Fourteen paratypes were collected at Tofino, on Vancouver Island, British Columbia, by Professor G. J. Spencer on August 26, 1926.

The holotype and allotype have been deposited in the U. S. National Museum. Paratypes have been deposited in the British Museum (N H), the Canadian National Collection of Insects, the Chicago Natural History Museum, and the Snow Entomological Museum at the University of Kansas.



EXPLANATION OF FIGURES

Figures 1-3. Vulva region of female, *Physconelloides* species. Fig. 1. *P. spenceri* n. sp. Fig. 2. *P. zenaiduræ* (McGregor). Fig. 3. *P. passerinae* Emerson.

Fig. 4-6. Genital region of male, *Physconelloides* species. Fig. 4. *P. spenceri* n. sp. Fig. 5. *P. zenaiduræ* (McGregor). Fig. 6. *P. passerinae* Emerson. Figures 1-6 drawn to the same scale.

The chaetotaxy and shape of the female vulva offers the best means of identification. For the three species of this genus known from North American hosts, this structure has been illustrated to show these differences. Considerable differences in size between the three species are also apparent. Average total length of mounted specimens for the three are:

Species	Male	Female
<i>P. passerinae</i> Emerson	1.42 mm.	1.75 mm.
<i>P. spenceri</i> n. sp.	1.28	1.64
<i>P. zenaiduræ</i> (McGregor)	0.97	1.58

LITERATURE CITED

Emerson, K. C. 1957. A new species of Mallophaga from a Dove. Jour. Kans. Ent. Soc., 30:36-38.