

A NEW SPECIES OF MALLOPHAGA FROM THE BIGHORN SHEEP

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Recently Mr. William L. Jellison, Rocky Mountain Laboratory, sent me a series of Mallophaga which he had collected from the Bighorn Sheep and believed to represent an undescribed species. Dr. Clyde M. Senger, Montana State University, also collected specimens from this host which were examined. I consider this form to be new and it is herewith described and illustrated.

Dr. Theresa Clay, British Museum (Natural History), has examined the holotype of *Bovicola oreamnidis* (Hopkins, 1960), the closest related species, and provided data concerning that species and a sketch for Figure 3.

Bovicola jellisoni n. sp.

Head similar in shape and chaetotaxy, in both sexes, to *B. ovis* (Linnaeus, 1758), but larger in size. Holotype male has a head breadth of 0.42 mm., and a head length of 0.38 mm. Holotype male of *B. oreamnidis* has a head breadth of 0.35 mm., and a head length of 0.29 mm. Thorax similar in shape and chaetotaxy, in both sexes to *B. ovis*; but larger in size.

Abdominal terga III-VII, in both sexes, each with a posterior marginal row of short setae. In *B. oreamnidis*, terga III-VI each have three or more irregular rows of short setae; and tergite VII has two rows of short setae. Abdominal sternites III-VIII, in both sexes, each with a posterior marginal row of short setae. In *B. oreamnidis*, these sternites each have three or more rows of short setae. Chaetotaxy of the terminal abdominal sternites of the holotype male are illustrated in Figure 4. Chaetotaxy of the terminal abdominal sternites of the holotype male of *B. oreamnidis* are illustrated in Figure 3.

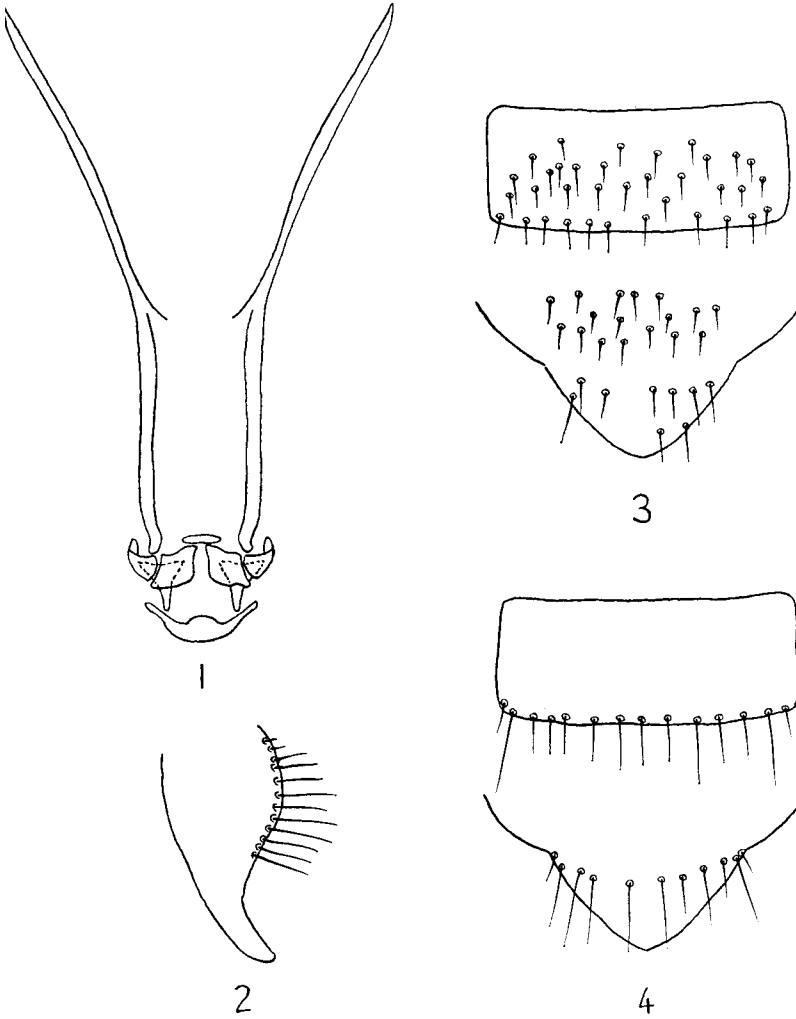
The male genitalia of the holotype are illustrated in Figure 1. The male genitalia are similar to that of *B. oreamnidis*, but there are differences in articulation and some of the smaller structures. Hopkins has provided an excellent figure of the male genitalia of *B. oreamnidis*. A gonopod of the allotype female is shown in Figure 2. The female of *B. oreamnidis* is unknown.

The holotype male has a total length of 1.81 mm. The holotype male of *B. oreamnidis* has a total length of 1.32 mm.

Holotype male, allotype female and paratypes collected off *Ovis canadensis canadensis* Shaw in Lake County, Montana are in the Mallophaga Collection of the Rocky Mountain Laboratory, Hamilton, Montana. Paratypes of both sexes are also from the type host collected at Banff, Alberta, Canada, and Wildhorse Island, Flathead Lake, Montana.

LITERATURE CITED

- Hopkins, G. H. E. 1960. Notes on some Mallophaga from Mammals. Bull. Brit. Mus. (N.H.), Ent. 10:77-95.



Figures 1, 2 and 4 refer to *Bovicola jellisoni* n. sp. Fig. 1, Male genitalia. Fig. 2, Female gonopod. Fig. 4, Terminal abdominal sternites of male. Fig. 3, *Bovicola oreamnidis*, terminal abdominal sternites of male.