

Mallophaga of the Canadian Arctic Expedition, 1913-18.

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The Mallophaga taken on the Canadian Arctic Expedition comprise a small collection of twenty species occurring in eleven genera. These parasites were taken from thirteen species of bird hosts and one mammal. The collection shows three new records for America, and a considerable number of new host records. The specimens were collected by Mr. Frits Johansen and other members of the expedition.

In preparing this list I have followed Harrison's generic classification, and also have followed his specific synonymy. The result is that a number of common species appear under names which have not previously been given them in papers from this continent. I have also followed Harrison in giving the original bibliographical record for Nitzschian species.

Since the districts where the collections were made are so infrequently worked over I have included the dates of collections for the possible benefit of future collectors. Considerable collections of Mallophaga from Alaskan birds have been worked over by Kellogg and others, and where these workers have made previous records from Alaskan birds of one of the species occurring in this collection, I have made mention of the record.

I append figures of several forms which are new American records or of which descriptions and figures may not be readily available to Canadian students.

I am much indebted to Mr. G. E. Ferris, of Leland Stanford Junior University, for examining a number of species in the collection and comparing them with material in the University collections. I am also indebted to Mr. H. G. Crawford, of the Department of Entomology, Ontario Agricultural College, for preparation of the material for microscopic examination.

Genus *Menopon*.

Menopon striatum Kellogg.

New Mallophaga III, 1899, p. 44, Pl. IV, f. 6.

Numerous specimens, males and females, from Rock Ptarmigan, *Lagopus rupestris* (Gmel.), taken at Bernard harbour, Dolphin and Union strait, Northwest Territories, in October, 1915, and from Willow Ptarmigan, *Lagopus lagopus* (Linn.), taken at Bernard harbour in March, 1915.

Recorded by Kellogg from *Lagopus lagopus* taken at Kodiak island, Alaska.

Menopon sp.

One specimen too immature for specific identification from a Horned Lark, *Otocoris alpestris* (Linn.), taken at Bernard harbour, Northwest Territories, in August, 1915.

Genus *Myrsidea*.

Myrsidea bracon Nitzsch.

Zeit. f. ges. Nat. XXVII, 1866, p. 420.

Numerous specimens, males and females, from American Raven, *Corvus corax principalis* (Ridgw.), taken at Bernard harbour, Northwest Territories, in August, 1915.