

Genus *Lipecurus*.*Lipecurus protervus* Kellogg.

New Mallophaga, III, 1899, p. 31, Pl. III, f. 4.

Many specimens, males and females, from Rock Ptarmigan, *Lagopus rupestris* (Gmel.), taken at Bernard harbour, Northwest Territories, in November, 1915, and May, 1916, and at Demarecution point, Alaska, in May, 1914; and from Willow Ptarmigan, *Lagopus lagopus* (Linn.), taken at Bernard harbour, in February, 1915, and March, 1915, and at Demarecution point, Alaska, in May, 1914.

Also several males and one female from a Lapland Longspur, *Calcarius lapponicus* (Linn.), taken at Demarecution point, Alaska, in May, 1914. Since the species is typically a parasite of grouse, one is led to question the authenticity of this record.

Recorded by Kellogg, and Kellogg and Kuwana from *Lagopus lagopus* from Alaska.

From a comparison of the expedition specimens with the descriptions of European writers, I am led to the conclusion that *L. protervus* is closely related to, if not identical with, the *Nirmus quadrimacrus* of Nitzsch. This species, which Harrison looks on as a synonym of *Degeeriella camerata* Nitzsch., has been recorded by a number of European writers from various species of *Tetrao* and *Lagopus*.

Genus *Philoapterus*.*Philoapterus ceblebrachys* Nitzsch.

In Denny, Anoplur. Brit., 1812, p. 92, Pl. I, f. 3.

Numerous specimens, males and females, from Snowy Owl, *Nyctea nyctea* (Linn.), taken at Barter island, Alaska, in June, 1914.

Recorded by Kellogg from the same host taken at point Barrow, Alaska.

I have numerous specimens of this species from the same host taken in Ontario. These specimens are uniformly paler and stouter and the cerci deal from more broadly truncate than the expedition specimens. The latter approach more nearly to the descriptions and dimensions given by European writers, especially Pinget, than do my southern specimens. It is doubtful, however, if the two can be separated.

*Philoapterus cursor* Nitzsch.

In Börmeister Handbuch II, 1838, p. 126.

Mature male and female and numerous immature specimens of both sexes from Short-eared Owl, *Asio flammeus* (Pontoppidan), *A. accipitrinus* (Pall.), taken at Barter island, Alaska, and Demarecution point, Alaska, in May, 1914.

Recorded by Kellogg from the same host taken at point Barrow, Alaska.

*Philoapterus dentatus* Scopoli.

Ent. Carn. 1763, p. 383.

One female from a Hutchin's Goose, *Branta canadensis hutchinsii* (Richardson), taken at Bernard harbour, Northwest Territories, in June, 1915.

Recorded by European and American writers (*P. icterodes*) from various species of ducks and geese; by Kellogg from *Merganser serrator* Linn., taken at Kodiak island, Alaska.