

*Pulex kerguelensis*, Tschb.

1880. Taschenberg, Die Flohe, p. 67.

This is a very unique and well-marked species. Taschenberg gives the proportional lengths of tarsal joints as follows:—On anterior legs first equals 5; on middle legs second equals 5 and equals 3 and 4 together, first is somewhat longer; on posterior legs first is a third longer than 2, 3 and 4 together somewhat shorter than 2, and 5 a little longer than 3. Length of male is given as 2 mm., of female, 3 to 4.5 mm. The four known examples were collected on the Kerguelen Islands by Mr. Eaton, from *Pelecanoides urinatrix*, Gmel., and sent to Ritsema for determination.

*Pulex globiceps*, Tschb.

1840. Motschulsky, Bull. Soc. Imp. de Moscou, p. 170. (*P. vulpes*.)

1880. Taschenberg, Die Flohe, p. 66. (*P. globiceps*.)

A large flea, well separated by its elongated body and proportionally very small head, standing between *kerguelensis* and *irritans* with its allies. Taschenberg says of the maxillary palpi: "their thick joints of almost equal length." However, in specimens received from him, the second joint in the female is less than three-fourths of the fourth in length. He further says the antennal grooves are open, and the colour is darkish-brown, yellowish-gray posteriorly in mature females. The labial palpi in the specimens received from Dr. Taschenberg are certainly 5-jointed, the sutures between the several joints being equally distinct. In these specimens I find the comparative lengths of tarsal joints as follows:—In anterior legs the fifth joint is about as long as 1 and 2 together, and as long as 2 and 3 together; in middle legs the fifth joint is three times 4 and longer than 2; in posterior legs the fifth joint is shorter than 3 and 4 together, and about two-thirds of 1, while the second is about twice 4 and less than 5. The following records have been made of its occurrence: From *Canis vulpes* (Halle, Taschenberg, and Holland, Ritsema), from *Meles taxus* (Zool. Gardens at Rotterdam), from *Canis*, sp. (Russia, Motschulsky).

*Pulex pallidus*, Taschb.

1880. Taschenberg, Die Flohe, p. 65.

I have before me a large series of specimens sent to me as a new species by Dr. Taschenberg. They were taken on *Mus albipes*, in the Island of Socotra. They coincide in every respect with the original description and illustrations of *pallidus*, and must be referred to that