

***Bombus neoboreus*, n. sp.**

This species is distinguished from the other species of the *Kirbyellus* group by the structure of the eighth ventral segment in the male and by the strongly marked melanism in both sexes.

MALE. Eighth ventral segment truncate (see figure); inner margin of claspers of genitalia nearly straight. Hair black; but a faint tinge of yellow on centre of face and a few yellow hairs on vertex (occiput); thorax with the anterior yellow band well developed, remainder of thorax black with a faint tinge of yellow on the posterior part, and in the type (the lighter example) yellow on the upper part of the pleura. Abdomen black, segment 1 yellow but black in the middle and at the extreme sides; segment 2 yellow, but in the darker example partly black in the middle apically and at the extreme sides basally; segment 3 entirely black but in the lighter example yellow at the sides apically; segments 4 and 5 black and segments 5 and 6 pale red. Hairs on legs and underside black. Length, 16 mm.

QUEEN. Hair black; that on the head entirely black; on thorax, anterior yellow band more or less encroached upon from behind in the middle by black, posterior yellow band absent or rudimentary, absent in type; pleura black, faintly tinged with yellow over a considerable area in some examples including the type; abdomen, segment 1 yellow only at the sides, black on extreme sides; segment 2 yellow, but black on extreme sides; segment 3 with a little yellow on either side of middle in five specimens including the type, black in the four remaining specimens; apex of segment 4 and whole of segment 5 red in three specimens; segment 4 black and segment 5 tinged with red in eight specimens, including type. Hairs on legs and underside black. Length, 22 to 24 mm.

WORKER.—Coloured like the queen.

One male, Bernard harbour, Northwest Territories, August 17-18, 1915 (F. Johansen); one darker male, Bernard harbour, Northwest Territories, July 10, 1916 (F. Johansen); eleven females, all from Bernard harbour, Northwest Territories, as follows: June 6, June 21, June 25 (type), July 2, July 9, July 30 to August 7, August 8, August 17 to 18 (two), 1915, June 16, July 3, 1916 (F. Johansen); three workers, Bernard harbour, Northwest Territories, July 19, August 10, and August 14, 1915 (F. Johansen).

***Bombus arcticus* (Kirby) Franklin.**

Bombus arcticus Franklin, Trans. Amer. Ent. Soc. XXXVIII, p. 302.

MALE. Malar space fully one-half as long as the eye, eighth ventral segment obtusely pointed. Head black, a patch of yellow on the vertex. Thorax black with a well-developed anterior yellow band and another equally wide behind; pleura black, the yellow extending only a short way below the bases of the wings. Abdomen, segments 1 and 2 densely clothed with yellow, the remaining segments black. Legs black, underside black. Length, 15-17 mm.

QUEEN. Malar space about one-half as long as the eye. Head black; in two examples a few of the hairs on the vertex are yellow. Thorax black with a well-developed anterior yellow band and another equally wide behind; pleura black but the yellow extends a short way below the bases of the wings. Abdomen with the two basal segments with dense yellow hair, the remaining segments black. Length, 20-23 mm.

Ten males as follows: four from Bernard harbour, Northwest Territories, August 14, 1915 (F. Johansen); one from Bernard harbour, Northwest Territories, July 10, 1916 (F. Johansen); and five from Herschel island, Yukon Territory, July, 1916 (F. Johansen).