

slightly brown, especially along posterior margin; on each of the brown segments there are two small faint pale oblique, slightly-curved streaks, and a pale dot posterior to each. Ventrally, the joining of segments brown. Setae slightly tinged with brown, with tips darker brown and a brown band beyond the middle; lateral setae fringed on inner sides only. Legs pale; femora banded with brown about middle; tibiae and tarsi darker toward distal ends; each claw with a lateral row of setinations.

*Cloeon dubium* Walsh.

The imagos I have agree with the description in Eaton, except that the intercalar veins are single, not in pairs. Adults were numerous at Station Island about July 10th, flying in small swarms along the shore at a height of from 10 to 15 feet. They appeared about 7.45 in the evening. Not many nymphs were taken, collections dating July 30th to August 12th. Imagos were reared July 30th and August 2nd.

Nymph: (Pl. VI, fig. 7).

Measurements—Body 4-4.5 mm.; setae 1.5 mm. Face vertical, with two large pale areas above antennae; between eyes a large pale area, partly divided into two parts, and containing two brown stripes. Notum brown, with irregular light areas. Dorsum of abdomen brown, except lateral margins, which are colourless; on each segment there are two small, oblique, pale streaks and two round dots posterior to the streaks. Setae pale, with brown band toward distal end; lateral setae fringed on inner sides only. Gills double apparently on segments 1 and 2 only; broader than gills of *Betis*; a main trachea in each slightly to outer side, and branchlets on inner side only. Legs pale; femora banded with brown in distal half; tibiae and tarsi brown toward proximal ends; claws comparatively long, sharp-pointed, not pectinated.

*Callibetis ferruginea* Walsh.

Imagos, subimagos and nymph skins of this species were collected in Toronto by Dr. E. M. Walker, who kindly handed them over to me. The date would be about August 20th. None were taken at Go-Home Bay.

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