New Species of Ephemerella (Ephemerella) from Alberta
(Ephemeroptera; Ephemerellidae)

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A collection of Ephemerella by Bonnie Moffat, Freshwater Institute, Manitoba, Canada, from central Alberta includes nymphs of an undescribed species.

Ephemerella moffatae, new species

Nymph. Length: body 9.0-10.0 mm; caudal filaments 5.5-6.5 mm. General color brown to dark brown. Head dark brown with irregular light brown markings; lateral margins pronotum pale; legs light brown with dark brown markings; femora light brown with basal and subapical dark brown transverse bands; tibiae light brown, dark brown apically; tarsi brown; tarsal claws with 9-10 denticles. Abdominal terga with paired submedian ridges segments 4-9, barely discernible tergum 4 (Fig. 1); tergum 5, dark brown; abdominal segment 2 without posterolateral projection, segment 3 with poorly developed projection (Fig. 1); abdominal sterna brown, sterna 1-8 with dark brown sublateral maculae. Caudal filaments brown.

Types. Holotype: mature nymph, Athabasca River, jct. Calling River (Station III), Alberta, Canada, 27-V-75, B. Moffat, in Canadian National Collection, Ottawa, Ontario. Paratopotypes: 3 nymphs, 1 collected 27-V-75 in collection California State University, Los Angeles, 2 collected 3-VI-75, in collection Freshwater Institute, Winnipeg, Manitoba, other data same as holotype.

This species is named in honor of Bonnie Moffat, collector of the type series.

The nymphs of E. moffatae are distinguished from all other western North American Ephemerella by paired dorsal abdominal ridges on segments 4-9 (Fig. 1).

Fig. 1. Ephemerella moffatae, abdomen, dorsal view.

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