

A NEW HEPTAGENIA FROM THE YELLOWSTONE REGION
(EPHEMEROPTERA).*

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BY J. MCDUNNOUGH,
Ottawa, Ont.

Heptagenia criddlei n. sp.

♂ Head dark olive-brown, tinged with paler ochreous around the base of the antennae and behind the ocelli; thorax deep black-brown, the pleural sutures marked with ochreous; abdomen dorsally light clay-color with deep brown semi-rectangular lateral patches, extending forward and downward from the posterior margin of each segment but not attaining the anterior margin except on segments one and two where they occupy nearly the entire segment; ventrally similar in color to dorsum with lateral longitudinal brown streaks or bands adjoining the suture; forceps and setae dull smoky. Forelegs very deep purple-brown, somewhat paler at the base, the tibia slightly longer than the femur, the tarsus subequal to the tibia, the individual joints being short and the first joint about one-third the length of the second which is subequal with the third and fourth; mid and hind legs somewhat paler than forelegs. Wings hyaline with light brown venation, the crossveins being fine and not at all thickened and the costal ones between the basal spur and the bulla being very thin and few in number. Genitalia of the *solitaria* type. Length of body 7 mm., of forewing 7 mm.

Holotype—♂, Yellowstone Nat. Park, Wyo., Aug. 30, (N. Criddle); No. 2232 in the Canadian National Collection, Ottawa.

Paratypes—Eleven ♂, same data.

Distinguished from its allies by the short ♂ foretarsi and the fine crossveins in the costal region of primaries as well as by the abdominal pattern and general deep brown color. I have a series of both sexes of this species from the vicinity of Casper, Wyoming and a number of females from Sundre, Alberta (Aug. 10) which I also incline to place here. The ♀ sex is considerably lighter in color and the abdominal maculation apparently not so well developed.

*—Contribution from the Division of Systematic Entomology, Entomological Branch, Dept. of Agric., Ottawa.

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