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A NEW EPHEMERELLA FROM ILLINOIS (EPHEMEROPTERA).\*

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**Ephemerella frisoni** n. sp.

*Male.* Head and thorax deep black-brown, pleura tinged with lighter brown; the mesothorax broad for the size of the insect and with the axillary cords scarcely extended beyond tip of scutellum. Abdomen with segments 1-6 and the anterior half of 7 dull semihyaline whitish with traces of a fine ruddy dorsal line and lateral rows of small ruddy spots or streaks situated one on each segment in the central area; posterior half of 7 and 8-10 opaque, pinkish brown, paler ventrally; forceps pale, tinged with brown, a prominent tubercle situated between the limbs at base; setae white, unbanded. Fore legs with the femora light sepia-brown, tibiae and tarsi dull whitish, the former shaded slightly with sepia at base, tibia rather long, more than twice as long as the femur and subequal to the entire tarsus; mid and hindlegs whitish, the femora tinged with brown, femora and tibiae subequal. Wings hyaline with a brown tinge at extreme base; veins and crossveins pale. Length of body, 5 mm.; of forewing 5 mm.

*Holotype.*—♂, Oakwood, Ill., June 9, (Frison and Hayes) in the Collection of the Illinois State Natural History Survey, Urbana, Ill.

*Paratypes.*—2♂, same data: one No. 2424 in the Canadian National Collection, Ottawa.

The subimago is similar to the adult but the abdominal maculation (judging by a single specimen in alcohol) is much better defined. The species, according to genitalia, belongs in the *bicolor* group, the penes being very similar to those of this species; it is at once distinguished by the pale abdomen and the much longer fore tibia. I take pleasure in naming it after Dr. T. H. Frison who has sent me for study so many interesting Ephemeridae from Illinois.

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