

- aa. Wings with clouded areas.
- c. Venter with brown markings.
- d. The hind wing wholly clouded with brown or almost so. Fore wing clear *S. mirus*
- dd. A small brownish cloud along the axillar fold of fore wing. Hind wing clear *S. typicus*
- cc. Venter transparent whitish.....*S. femoratus*.

NYPHS.

- a. Setæ dark-banded beyond middle.
- b. Setæ dark-banded just beyond middle and, again across the tips *S. alternatus*.
- bb. Setæ but once banded.
- c. Venter with U-shaped dark areas; spines of the 9th abdominal segment just half the length of tergum of 10th segment in the median line *S. occidentalis*.
- cc. Venter with large dark triangular areas; spines of 9th abdominal segment slightly over half the length of tergum of the 10th segment in the median line *S. triangularis*.
- aa. Setæ unbanded *S. mirus*

Siphonurus alternatus Say.

For description of adult see Eaton's Revisional Monograph, p 219, and of nymph, Bull. 47, N. Y. State Mus., 1901.

The nymph shows the same ventral abdominal markings as the adult. See Pl. IX, fig. 8.

Siphonurus occidentalis Eaton.

The nymphs and adults of this species were taken by Professor T. D. A. Cockerell at Florissant, Colorado, June 30, 1907, at a place where subimagos were emerging in numbers. Other specimens were taken by Prof. Cockerell at Twin Lakes, Col., Upper Lake, July 14, 1902. See Pl. IX, fig. 9.

Nymph.—Length 13 mm.; leg 4.5 mm.; setæ 5 mm.