

- Smaller; less than two millimeters long; fringe on hind margin rather short. *minuta*.
10. Hind tarsi with black at base and tip; wings banded, with distinct dots at ends of veins, but not two spots on margins beyond middle. *signata*.
- Hind tarsi unmarked (yellowish); dots at ends of veins; wings scarcely banded, no basal black band, nor two spots on margins beyond middle. *alternata*.
- Hind tarsi uniform dark brown; wings with a basal black band, beyond the middle a black spot on each margin, and one or two apical dots. *opposita*.

Psychoda cinerea, Banks.—This species is known by its uniform pale appearance and average size. It is common at Washington, D. C., and Falls Church, Va., in June, and occurs at Ithaca, N. Y.

Psychoda minuta, Banks.—This is our smallest species; I have seen a specimen from Mesilla, N. Mex. (Cockerell).

Psychoda alternata, Say.—This species is common at Falls Church, Va., near houses, in June. It also occurs at Ithaca, N. Y. Eaton has decided that one of the common European species (*P. sexpunctata*, Halid.) is identical with *P. alternata*. The latter name has the priority.

Psychoda signata, n. sp.—Head and thorax clothed with white hair, some tufts of gray at bases of wings; antennæ white, about as long as width of wing; legs white, last few tarsal joints black, and a black ring on base of the first tarsal joint of hind legs; abdomen clothed with white hair. Wings marmorate with pale gray and blackish, rather thinly clothed with hair; a blackish patch near base, another rather before the middle from costa to centre of wing, one on posterior part about behind this one, a long one along the apical costal third of wing, often interrupted by three pale spots, and a few small patches on the apical third of hind margin; all these spots are blackish, irregular, and of indistinct outline. The fringe on costal margin is largely gray, but with two white patches, and the apex white; on middle of hind margin is a long white portion, the rest of the fringe is blackish; the fringe on the hind margin is about one-third the width of the wing. Length of wing, 2 mm.

A few specimens taken near Washington, D. C., in May.

Psychoda opposita, n. sp.—Head and thorax clothed with pale gray hair; antennæ thick, gray, longer than width of wing; abdomen clothed with rather short gray hair; legs brown, none of the tarsi marked with