

type. MARYLAND—Female, 7 June, 1914, Plummer's Island (W. L. McAtee). NORTH CAROLINA—Female, Hot Springs (A. T. Slosson). PENNSYLVANIA—Female, Greensburg (Wirtner). Male, 5 June, 1907, Pennsylvania Station.

P. albonotatus var. *compar* Knight, new variety.

Apparently only a color form of *albonotatus* but more broadly pale, thus requiring accommodation in a different section of the key.

Color pattern suggestive of *albatrus* but smaller and more ovate in form. Distinguished from typical *albonotatus* by the pale scutellum which is dark only on median line; pronotal disk broadly pale on central area and between calli.

Holotype: Male, 10 Aug., 1916, Batavia, N. Y. (H. H. Knight); author's collection. Paratypes: NEW YORK—Females (2), 12 July, female, 29 July, 1914, male, 26 July, 1915, Batavia; female, 27 July, 1916, McLean (H. H. Knight). MAINE—Female, 27 Aug., 1917, Paris (C. A. Frost).

P. obscurus Uhler.

Hayden's Surv. Terr. for 1871, 418, 1872.

Female: Length 4.4 mm., width 1.69 mm.; larger and more elongate than *albonotatus*, moderately shining, clothed with pale yellowish pubescence; rostrum scarcely attaining hind margins of posterior coxae, yellowish, basal segment blackish; antennae fuscous to black, segment i pale at extreme apex, segments iii and iv dusky; pronotum blackish, calli and central area of disk pale; scutellum black, lateral margins more or less pale, and rarely, if ever, does the pale color replace the black on apex of median line; sternum, pleura, and ostiolar peritreme black; hemelytra nearly as in *albonotatus*, but cuneus pale and apex distinctly blackish; legs pale to yellowish, base of hind coxae, apical half of femora with line forming on dorsal margin, and beneath this line one or two rows of spots, knees, and spots at base of spines, black or blackish; venter blackish, becoming more or less pale on the sides.

Colorado, Maine, New Hampshire, New York, Vermont, Quebec, Nova Scotia.

**P. obscurus* var. *alboconneatus* Knight, new variety.

Very similar to the typical *obscurus* but the cuneus uniformly pale or yellowish; sometimes more broadly pale above but not ordinarily.

Holotype: Male, 26 July, 1916, Batavia, N. Y. (H. H. Knight); author's collection. Paratypes: a large series from the type locality. CONNECTICUT—Male, 18 July, 1921, Cornwall (B. H. Walden). Male, 9 July, 1920, Huntington; male, 22 July, 1920, Litchfield (P. Garman). Male, 27 June, 1914, females (2), 4 July, males (2), 5 July, 1920, New Haven (B. H. Walden). MASSACHUSETTS—Male, 3 Aug., 1907, Mt. Greylock (C. W. Johnson). Female, 4 Sept., 1919, Mt. Greylock (H. M. Parshley). NEW HAMPSHIRE—Females (2), 24 July, 1915, Glenhouse (C. W. Johnson). NEW YORK—Males (3) and females (4), 4 July, 1919, Cold Spring Harbor, Long Island; female, 25 July, 1919, Babylon, Long Island (H. M. Parshley). VERMONT—Male, 15 June, 1908, Brattleboro (C. W. Johnson).