

to the dorsal surface of the body. Pubescence long, but very sparse, distinct on the head, gaster and legs.

Rich reddish brown; head and antennæ, especially the scapes, darker; legs paler and more yellowish.

Male.—Length 2 mm.

Head subcircular; eyes very large; cheeks very short, posterior margin rounded behind the eyes. Mandibles minute, edentate, pointed. Antennal scape scarcely longer than the globular first funicular joint, which is distinctly broader than the succeeding joints; joints 2-6 as broad as long, remaining joints longer than broad. Thorax as broad as the head, similar to that of the female, but its epinotum is unarmed. Petiole and postpetiole like those of the worker, but their nodes are more rounded.

Sculpture and pilosity as in the female but shorter and less distinct.

Body yellow; upper surface of thorax and gaster brownish; mouthparts and antennæ white; legs pale yellow. Wings whitish hyaline with colorless veins and stigma.

The following is Prof. Cockerell's description of the Coccid that lives in the abandoned *Obidocephalus* burrows:

***Pseudococcus phoradendri* Cockerell, new species.**

Female.—About 2-2½ mm. long, 1½-2 mm. broad, plump, reddish, mealy, strongly segmented. The specimens were collected in alcohol, so the nature of the mealy secretion cannot be precisely described, but it appears to have been scanty. Body with scattered minute round glands and small hairs; bristles of anal ring and the very low caudal lobes short. Legs and antennæ a lively clear yellowish ferruginous. The following measurements of legs and antennæ are in microns (μ).

Middle leg: femur and trochanter, 300 μ long (width of femur 80); tibia 135; tarsus (excluding claw) 88; tarsal digitules 38, rather stout, with very small knobs; claw digitules moderate; claw short, curved, with no inner tooth.

Labium elongate, two-jointed, 150 μ broad at base, 338 long.

Antennæ 8-jointed, joints measuring (1) 58-60, (2) 63-68, (3) 55-58, (4) 35, (5) 50-55, (6) 50-53, (7) 50-55, (8) 93-108.

Hab. Miller Canyon, Huachuca Mts., Arizona, 5,500 ft., Nov. 1, 1910 (W. M. Wheeler). Found in hollow stems of *Phoradendron flavescens* var. *villosum* (Nuttall), attended by *Cremastogaster arizonensis* Wheeler.

This little species reminded me strongly of the South American *P. missionum* Ckll., but although that has similar antennæ, its femora are conspicuously stouter. The antennæ also recall those of *P. formicarii* Ehrhorn, but that species is more hairy, and differs in the size and proportions of the legs."