

Measurements.—Length of body 2.37 mm. Length of antennal segments: III, 0.44 mm.; IV, 0.21 mm.; V, 0.23 mm.; VI, 0.166 mm. Total length 1.25 mm. Beak: III, 0.21 mm.; IV, 0.187 mm.; V, 0.063 mm. Total length 2.04 mm. Length of hind tibia 2.20 mm. Hind tarsus 0.31 mm.

Alate viviparous female.—Colour of antennæ and legs as in the apterous form. Third antennal segment approximately equal in length to fourth. Third antennal segment approximately equal in length to fourth. Third segment with six to eight large, circular sensoria, fourth with two and fifth with two. Nectaries extremely large. Beak extending to the base of the nectaries. Hairs on legs, body and antennæ fairly abundant and longer than those of other species in this group. Those on the femora and at the base of the tibiæ are not quite as upstanding as with other species in this group.

Measurements.—Length of body 2.39 mm. Length of antennal segments: III, 0.46 mm.; IV, 0.21 mm.; V, 0.23 mm.; VI, 0.145 mm. Total length 1.28 mm. Beak: III, 0.21 mm.; IV, 0.187 mm.; V, 0.063 mm. Total length 2 mm. Length of hind tibiæ 2.08 mm. Hind tarsus 0.33 mm.

***Lachniella arizonica*, n. sp.**

Descriptions made from eleven specimens on three slides. Specimens collected on *Pinus* sp. at Williams, Arizona, June, 1901, by E. Q. Schwarz. Types in U. S. Bureau of Entomology collection.

Apterous viviparous female.—General colour characteristics cannot be determined. Antennæ with basal half of third segment light coloured, remaining segments dusky to black. Legs black, except bases of femora, and a small section of the tibiæ near their bases.

Antennæ extending to the third pair of coxæ, the third segment longer than the fourth, fifth and sixth together. Third segment with one to three small sensoria near the distal end. Nectaries large and with a wide, cone-shaped base. This species is entirely different from all other lachnids I have seen because the surface of the body is reticulated, and the spines on the antennæ, body and legs, except on the tarsi and caudal plate, have the appearance of being capitate.

Measurements.—Length of body 5 to 6 mm. Width 3 mm. Length of antennal segments: III, 0.96 mm.; IV, 0.35 mm.; V, 0.27 mm.; VI, 0.17 mm. Total of beak 1.7 mm. Length of hind tibiæ 5.12 mm.

Alate viviparous female.—Colour characteristics cannot be determined. Dark and light coloration of antennæ and legs as in the apterous forms. Antennæ reaching to base of third pair of coxæ. Third segment about equal in length to the fourth, fifth and sixth segments, and with from two to four irregular-sized sensoria along the distal half. Fourth with two, and fifth normally with two. Body does not show reticulations as in apterous forms, but the hairs are similar and are strongly spine-like.

Measurements.—Length of body 5 to 6 mm. Length of antennal segments: III, 0.9 mm.; IV, 0.39 mm.; V, 0.37 mm.; VI, 0.166 mm. Total length 1.98 mm. Length of beak 1.9 mm. Length of hind tibiæ 5.2 mm. Cauda broad and rounded at the tip.

(To be continued.)