

SOME GALL-INSECTS.

BY T. D. A. COCKERELL, EAST LAS VEGAS, N. M.

Cynipide.

Holcaspis Arizonae, n. sp.—Gall globular, 9 mm. diam., pale ochreous, not shiny, attached to the base of the petiole of a leaf of *Quercus Arizonae*, Sargent. There is a projecting point next to the place of insertion. Within, the gall is brown, fibrous, moderately dense, at least dithalamous.

Fly emerging April 19, two females. Body $3\frac{1}{2}$ mm. long, wings $3\frac{2}{3}$ mm.; antennæ 2 mm., 15-jointed, joint 3 considerably the longest. Length of joints in μ : (3.) 360, (4.) 240, (5.) 200, (15.) 170. The joints, especially the apical ones, with fine longitudinal ridges, between which are rows of minute punctures. Head ferruginous; thorax and abdomen piceous; margins of mesothorax, and two spots on scutellum, dull ferruginous; legs bright ferruginous; anterior tibiæ with an apical projection; anterior tibial spurs bent; claws of all the legs falciform, with a large triangular basal tooth. Outer parapsidal grooves failing anteriorly. Scutellum a large rounded hairy eminence, without grooves. Sides of thorax, and abdomen except upper basal portion, with much glittering white hair. Abdomen with a short ferruginous hairy projection beneath; ovipositor not visible. Naked portion of abdomen smooth and polished, hairy portion minutely tessellate, with a tendency to oblique grooves, only visible with a compound microscope. Wings strongly clouded on apical half, nervures piceous, areolet present.

Hab.—Prescott, Arizona, 1902. Collected by the writer. Closely related to *Cynips sulcatus*, Ashmead, but differs by its much darker colour and infuscated wings. It seems to go best in *Holcaspis*.

Cecidomyiide.

Lasioptera carbonitens, n. sp.—Gall shaped something like a long onion bulb, consisting of an aborted shoot of a grass not identified. The gall is entirely similar to that on *Brachypodium silvaticum*, figured by Rübsaamen in *Ent. Nach.*, XXI. (1895), p. 16. Fly emerged April 21.

♀. Shining coal-black; red patches at bases of wings; bases of all the femora, but especially the hind ones, pallid with a reddish tint; halteres pale reddish, shining; head small; antennæ short, 2 + 16 jointed; abdomen wholly without spots; ovipositor retractile; wings hyaline, iridescent, with black hairs and heavily-scaled black margins; closed wings reaching about to end of abdomen. Length a little over 2 mm., wings $1\frac{1}{2}$ mm.

Hab.—Las Valles, N. M., near the Gallinas River, 1902.