Rhinebeck, New York (Dyar); Rhinebeck, N. Y., July 5 (Miss L. J. Hoff); Fordham, N. Y. (G. Gade); Staten Island, N. Y., June 25 and July 16 (coll. Beutenmüller); District of Columbia, July 18 (coll. C. V. Riley); Washington, D. C., October 10 (A. Busck); St. Louis, Missouri, issued July 3 (C. V. Riley, breeding No. 2563); Texas (coll Beutenmüller). The specimen taken in October is very dark in colour, blackish, the markings being only faintly indicated.

NEW COCCIDÆ FROM CALIFORNIA.

BY EDW. M. EHRHORN, MOUNTAIN VIEW, CAL.

Xylococcus quercus, n. sp. (Plate 7, figs. 1 and 2.)

Egg quite large, of a light orange colour.

Young larvæ dark orange-red, active, body broadly oval, about ⅔ mm. long. Legs and antennæ light brown, well developed. Antennæ short, 6-jointed. Joint 1 stoutest, joint 6 longest, and joint 4 shortest. Formula: 651234. Joints 2 and 5 with three bristles. Joint 6 with numerous long stout bristles. Legs moderately long, with femur quite swollen. Tarsus longer than tibia. Digitules of tarsus fine hairs; those of claw long stout clubs curved upwards. Each segment of abdomen bears a backward directed short stout spine. On each side of anal tube is a long fine bristle. Anal tube large, with numerous stout spines. Stigmatal tubes well developed.

♀ second stage, body crimson, shiny, nearly spherical, about 1½ mm. long, 1 mm. broad, surrounded by cottony and waxy secretion. Antennæ and legs wanting. Anal tube well developed, producing a glassy rod, like a stout white hair, rather brittle. Last segment of body dark brown. When cleared in K. H. O., surface of body finely granulated, more so near caudal end. Stigmatal tubes are large and well defined. There are numerous spines and gland openings scattered over the body.

♀ third and fourth stages very similar to second stage, but larger in each case from the preceding, and varying in the further development of stigmatal and anal tubes, glands, spines, etc.

Adult ♀ head, thorax, legs and antennæ reddish-brown, abdomen blackish-brown, segmentation distinct. There is a distinct constriction between the thorax and abdomen. Length of body about 5½ mm., breadth 2½ mm., quite convex above. Ventral side of abdomen concave, with revolute margins. Insect quite active. When ready to