

Cocoons of *L. erichsonii* were collected in the larch section of the forest belt at the Central Experimental Farm, Ottawa, in May, 1910, and on May 21st, a few days after bringing them into the laboratory, 25 specimens of the Chalcid emerged; 22 specimens did not emerge, but were dissected out. A careful examination of the parasite indicated its similarity on the whole, but not entirely, to Packard's figure already mentioned. This was kindly confirmed by Mr. C. T. Brues, of the Bussey Institution of the Harvard University, who placed it in Förster's genus *Cælopisthia*. The occurrence of this parasite was discussed with Mr. W. F. Fiske, in charge of the Gipsy Moth Parasite Laboratory, Melrose Highlands, Mass., who also examined cocoons of *L. erichsonii* collected at Wellesley, Mass., and found the pupæ of this parasite in these cocoons on July 28th. Mr. Fiske arranged for cocoons to be collected for me from the same locality, and these were received on September the 13th. At this time practically all the larvæ of *L. erichsonii* have gone underneath the turf and have formed cocoons and are thus prepared for hibernation. It was upon this material that most of the following observations were made.

During my absence from Ottawa for several weeks, Mr. G. E. Sanders kept the records, and he has also drawn up the description of the adult at my request, which assistance I wish to gratefully acknowledge.

DESCRIPTION OF THE ADULT.

Cælopisthia nematicida Pack.

Female (Fig. 19).—Length, 1.7 to 2.1 mm. Average length of ten specimens, 1.92 mm. Colour black; the head and thorax closely and evenly reticulate, slightly hispid, giving strongly metallic dark green reflections; the abdomen black, smooth and glossy; antennæ non metallic,

the scape and pedicel brown, the flagellum darker brown; coxae for the most part black with a green metallic lustre, tips slightly brown; legs non-metallic pale-brown, femora fuscous; wings hyaline, venation pale-brown; eyes dark, variable somewhat, but usually giving a purplish reflection.

Head (anterior aspect), broadly oval; antennæ inserted on an imaginary line drawn from base to base of the eyes; face broadly depressed along scapes; clypeus twice as wide as long, immarginate, notched in



FIG. 19.—*Cælopisthia nematicida* Pack., female, x 12.