

males of the American form from those of the European form by the shape of the abdominal appendages. The difference is slight, but constant in the material I have examined.

In the second place, having recently reared *cyathigerum* at Toronto, I find that the nymph does not wholly agree with Ris' description and figure (I have not had access to Lucas' description), but that, on the other hand, it is so extremely like that of *calverti* that a comparative study of these forms is necessary in order to make their separation possible.

Early in June, 1914, I found *E. cyathigerum* in considerable numbers at "Fisherman's Island," a long narrow sand bar, south of the city, which separates Ashbridge's Bay from the open lake, and, until recent filling-in operations commenced, was margined on the inner side by a wide extent of marsh. It proved too late to obtain the nymphs that season, but on May 24 of the following year a visit was made to the same spot and about twenty mature nymphs were secured. They were accompanied by large numbers of *E. hageni*. On May 26 a male *cyathigerum* emerged, and as the identity of the nymphs was now assured, the remainder was preserved for study. Imago had already become quite numerous on the island, and soon became abundant. A large number were examined, but all were alike; no specimens of *calverti* were found among them. Shortly afterwards they disappeared and were followed, as in the previous year, by swarms of *E. hageni*.

During the season of flight of *cyathigerum*, *E. calverti* was common about a pond in the vicinity of my house in Wychwood Park, Toronto, and I reared this species again here, as I had previously done at Lake Simcoe and Go-Home Bay, Ont. I was thus able to obtain sufficient material for a comparison of the nymphs of the two species.

#### The Nymph of *Enallagma cyathigerum*. (Pl. IX).

Very similar to *E. calverti* Morse in size, form and coloration (v. Can. Ent., XLV, 1913, p. 162, pl. 1, figs. 4, 5). Head as in

1. British Dragonflies, pp. 297-307.
2. Die Süßwasserfauna Deutschlands. Heft 9, Odonata, pp. 50, 54.
3. Can. Ent., XLV, No. 6, p. 162.
4. Proc. Acad. Ind., p. 121.