TRICHOPRIA TABANIVORA FOUTS IN MASSACHUSETTS (HYMENOPTERA, DIAPRIIDÆ)

BY NORMAN S. BAILEY

Biological Laboratories, Cambridge, Massachusetts

In the course of field investigations into the life history of the Saltmarsh Greenhead, *Tabanus nigrovittatus* Macquart, being carried out for the state of Massachusetts, two pupæ of that species were found. They were located in a pile of drift composed chiefly of coarse *Spartina* straw and the remains of other salt marsh plants that had accumulated on a ditch bank near the edge of the marsh. The pupæ were discovered on August 9, 1946, on the Pine Island Marsh in Newbury (Essex County). One was of the usual coloration, but the other was decidedly blackened and appeared unhealthy. Both were kept in small vials with a bit of the debris. A male horsefly emerged from the sound pupa and on August fourteenth a score of minute parasitic wasps came out of the second.

These were kindly determined for me by Mr. C. F. W. Muesebeck of the U.S.D.A. Bureau of Entomology and Plant Quarantine as *Trichopria tabanivora* Fouts of the Proctotrypid family Diapriidæ.

A subsequent search of the literature failed to reveal any record of the species since those originally reported by Cameron.¹ Segal repeated Cameron's record in his paper on the genus *Chrysops*.² Prof. Cameron raised 98 from a pupa of *Chrysops mitis* O.S. taken at Saskatoon and 112 from a pupa of *Tabanus reinwardtii* Weid. collected in Maple Creek, Saskatchewan. Fouts' description of the species was published with this data.¹

This note indicates another Tabanid host species, a very different habitat, and a notable extension of range for the parasite. Furthermore, as far as the writer has been able to discover, these are the only known records of pupal parasites of Tabanidæ.

Six specimens of the series were sent to Mr. Muesebeck as the Bureau of Entomology collection contained only one paratype; twelve are in the Museum of Comparative Zoology.

¹ Cameron, A. E., Bull. Ent. Res., Vol. 17, Pt. 1, 1-42, 1926.

² Segal, Bernard, N. Y. Ent. Soc. Jour., Vol. 44, 51-78, 1936.