

A NEW ACANTHOCERA (DIPTERA, TABANIDAE) FROM CENTRAL AMERICA

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Through the courtesy of Dr. C. H. Kennedy and Prof. J. N. Knull, I was afforded the privilege of examining the Hine collection of Tabanidae, where the present specimen was found. The genus has been hitherto known only from South America (Fairchild, Rev. Ent., X, 1, pp. 14-27, 1939), and its occurrence in Costa Rica is very interesting. The present species seems nearest to *A. apicalis* Fairch. or *A. coarctata* Wied., but is abundantly distinct from both. It is unfortunate that the antennae are defective, but the rather short basal segments make me suspect that the terminal segment bore a well developed tooth.

Acanthocera costaricana n. sp.



Fig. 1. Frons and basal segments of antennae
Acanthocera costaricana sp. nov.

Female.—Length 12 mm., of wing, 10.5 mm.

Frons a little more than 3 times as high as basal width, narrowed above. Callus brown, as wide as high, broadly triangular above and produced nearly to vertexal tubercle. Vertexal tubercle well marked, with vestiges of 3 ocelli. Fronto-clypeus and cheeks largely bare and shiny with small lateral areas of grey pollinosity. Antennae with the first and second joints not unduly elongate, the first joint somewhat more than twice as long as the second. Third joint missing. Palpi and most of proboscis missing. Eyes apparently bare, the color pattern not revivable.

Thorax dark brown, with a pair of sub-dorsal incomplete yellow stripes. The pre-alar tubercles bear a tuft of golden yellow hairs, and the scutellum is wholly golden haired. Pleura brown, greyish pollinose,

with a patch of white hairs above the base of the fore coxae. Wings with subepaulet bare, third vein without an appendix. The wing markings are indistinguishable from those of *A. kröberi* Fairch. Costal area, including upper third of first basal cell, and all anterior to upper branch of third vein brown, as is the anal cell. Rest of wing hyaline. Femora dark brown; all tibiae white on basal $\frac{2}{3}$ to $\frac{3}{4}$; tarsi blackish.

Abdomen very dark brown, black haired. The first tergite whitish at sides and the third with a very narrow yellow haired hind marginal band. Sternites 1, 2 and 3 with white hind margins, rest all dark.

Holotype ♀, Higuito, San Mateo, Costa Rica (Pablo Schild coll.). To be deposited in the Ohio State University collection, Columbus, Ohio.