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EOSENTOMON HAUSERI A NEW SPECIES OF PROTURA FROM BRAZIL

BY

Josef NOSEK

Holotype ♀ from Foz do Iguacu, secondary forest without tree-under-growth. The dense herbaceous stratum consists of herbs and bracken. The samples were taken on a humid place from loam, 5 cm of B-horizon, 6.2.1965, Dr. W. Hüther leg.

Holotype mounted in Swan's medium kept in Muséum d'Histoire naturelle, Geneva.

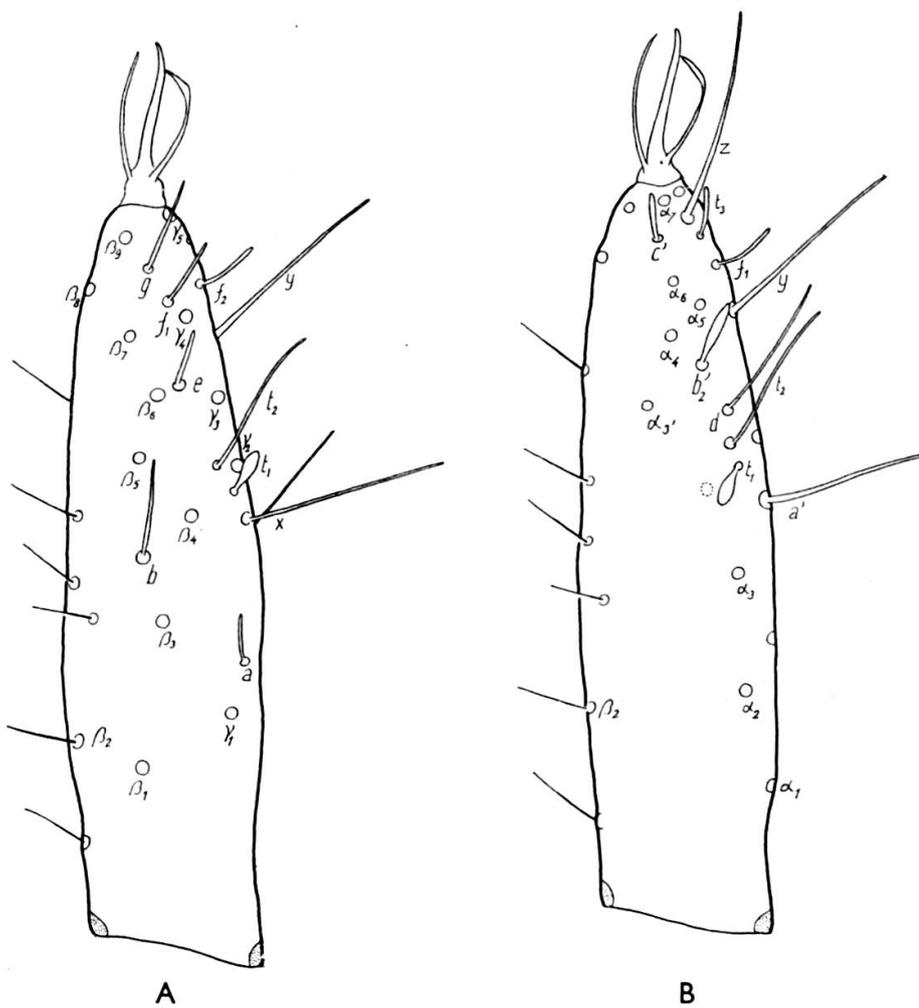


FIG. A-B. — *Eosentomon hauseri* ♀ holotype:
A. Foretarsus in exterior view. — B. Foretarsus in interior view.

Eosentomon hauseri n. sp.

Fig. A—G

Description: Length of body 1000 μ , foretarsus without claw 97 μ .

Head. — The clypeal apodeme with side rods connected anteriorly (Fig. C). The pseudoculi enough large, PR = 10. Mandible with few teeth at apex and dorsal striation (Fig. D). Labial palpus with leaf-shaped sensilla (Fig. E).

Thorax. — Foretarsus is first and foremost characterized by non spatulate *e* and *g* sensillae and distinct leaf-shaped sensilla b'_2 (Figs. A, B). The ratio of sensillae on foretarsus on exterior side $a:b:x:c:d:e:f_1:f_2:g$ as 10:20.5:41:27:31:12.5:14.5:14:19.5; on interior side $a':b'_2:c'$ as 33.5:14:10. TR = 5.9, BS = 1.5, EU = 0.9.

Abdomen. — Central lobe of praecosta large not incised. p'_1 greatly by-passing p_1 in terg. I—VI (Fig. F). Squama genitalis ♀ is characterized by weakly sclerotized caput processus appearing as a free rod (Fig. G).

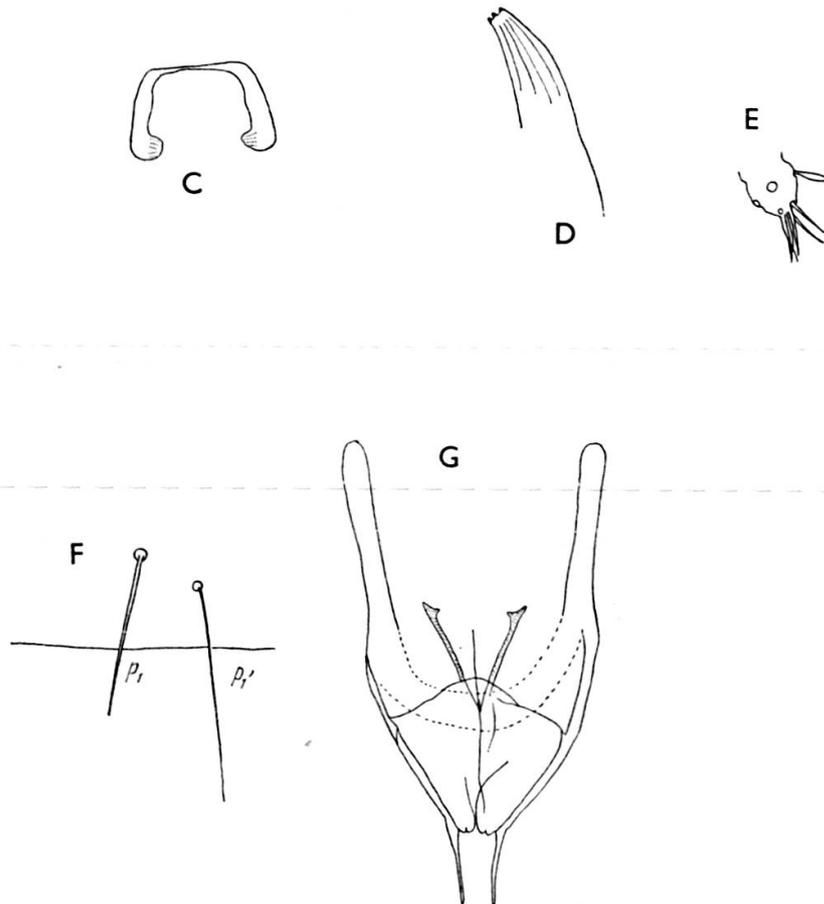


FIG. C-G. — *Eosentomon hauseri* ♀ holotype:
 C. Clypeal apodeme. — D. The apical part of mandible. — E. Labial palpus. — F. The ratio of p_1 and p'_1 setae on terg. II. — G. Female squama genitalis (Magnification 100 × 10).

Survey of chaetotaxy in Tuxen's system:

	I	II-III	IV-VI	VII	VIII	IX-X	XI	XII
terg.	$\frac{4}{10}$	$\frac{10}{12}$	$\frac{8}{14}$	$\frac{6}{16}$	$\frac{6}{9}$	8	6	$\frac{6}{3}$
stern.	$\frac{4}{4}$	$\frac{6}{4}$	$\frac{6}{10}$	$\frac{6}{10}$	7	4	8	$\frac{8}{4}$

Derivatio nominis. Named in honour of Dr. Bernd Hauser, Muséum d'Histoire naturelle de Genève.

Affinity. *Eosentomon hauseri* belongs to "maya" group and is closely related to *E. ruseki* Nos. known from Brazil and *E. atlanticum* Cdé known from France. It differs from *E. ruseki* in PR, TR, in the presence of sensilla *e*, and in ratio of sensillae on foretarsus. It differs from *E. atlanticum* in BS, TR, chaetotaxy of stern. VIII and terg. II-VII, in ratio of p_1 , p'_1 and in the form of sensillae t_2 and b'_2 on foretarsus.

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