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# *EOSENTOMON HAUSERI* A NEW SPECIES OF PROTURA FROM BRAZIL

BY

**Josef NOSEK**

Holotype ♀ from Foz do Iguaçu, 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.

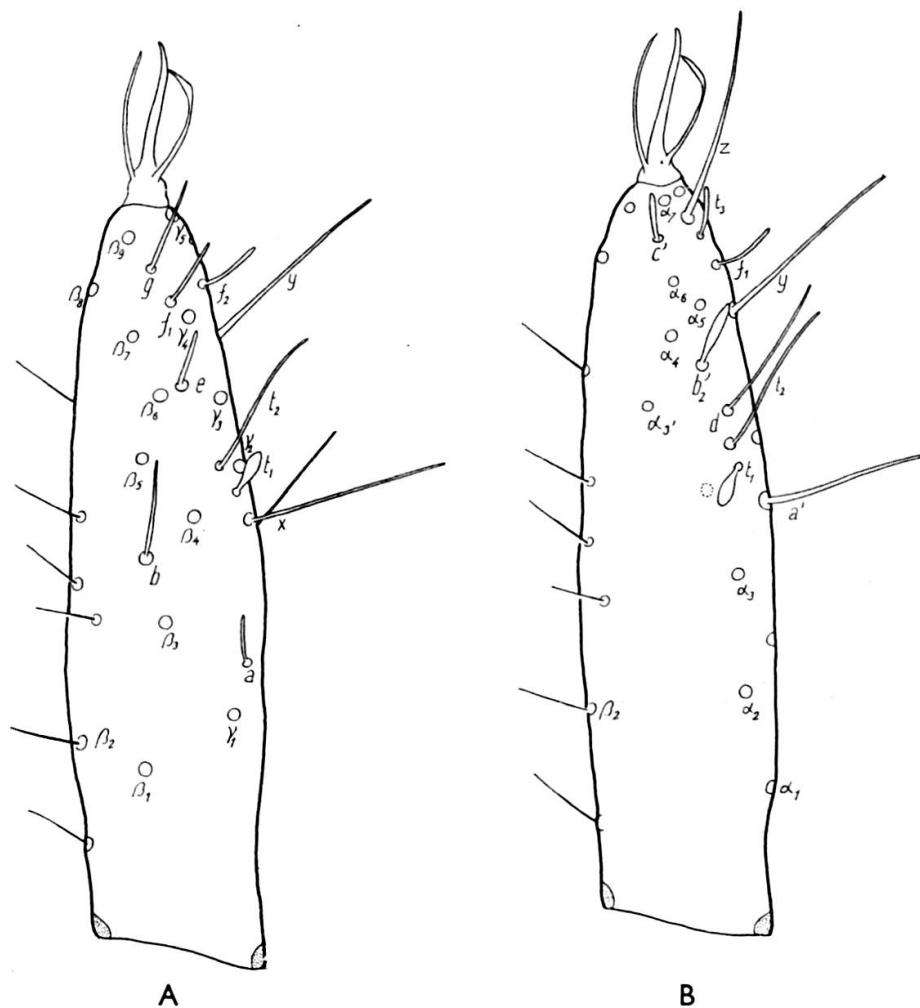


FIG. A-B. — *Eosentomon hauseri* ♀ holotype:  
A. Foretarsus in exterior view. — B. Foretarsus in interior view.

*Eosentomon hauseri* n. sp.

Fig. A—G

*Description*: Length of body 1000  $\mu$ , foretarsus without claw 97  $\mu$ .

*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'* (Figs. A, B). The ratio of sensillae on foretarsus on exterior side *a:b:c:d:e:f<sub>1</sub>:f<sub>2</sub>:g* as 10:20.5:41:27:31:12.5:14.5:14:19.5; on interior side *a':b'<sub>2</sub>:c'* as 33.5:14:10. TR = 5.9, BS = 1.5, EU = 0.9.

*Abdomen*. — Central lobe of praecosta large not incised. *p'* greatly by-passing *p<sub>1</sub>* in terg. I—VI (Fig. F). Squama genitalis ♀ is characterized by weakly sclerotized caput processus appearing as a free rod (Fig. G).

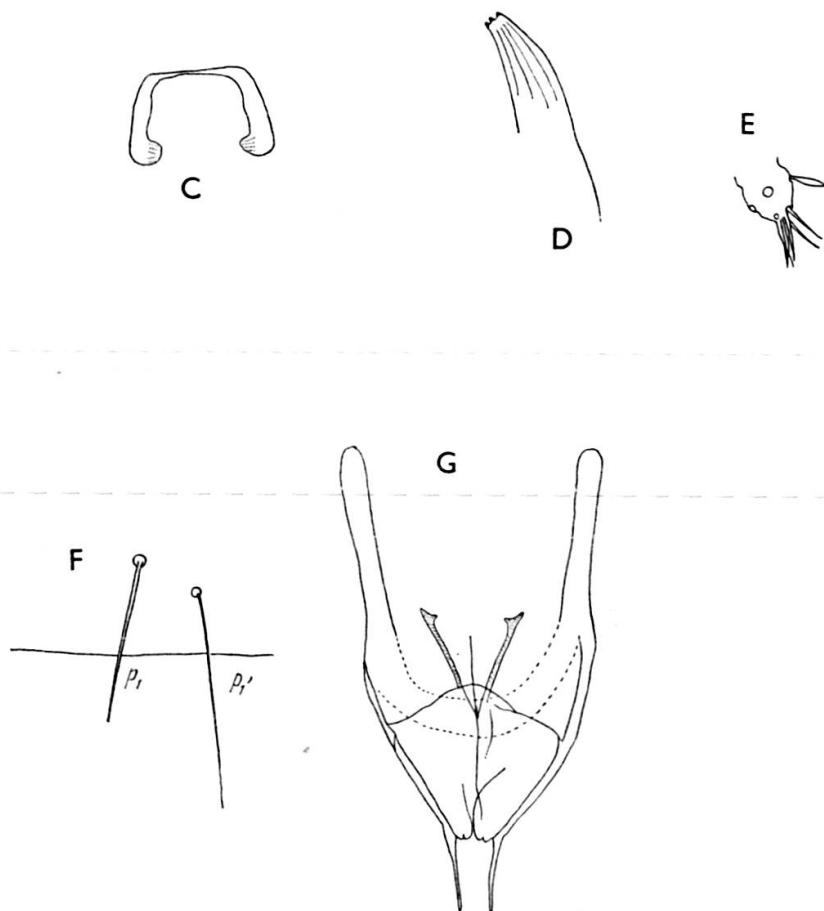


FIG. C-G. — *Eosentomon hauseri* ♀ holotype:  
C. Clypeal apodeme. — D. The apical part of mandible. — E. Labial palpus. — F. The ratio of *p<sub>1</sub>* and *p'* setae on terg. II. — G. Female squama genitalis (Magnification 100  $\times$  10).

## Survey of chaetotaxy in Tuxen's system:

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

## REFERENCES

- CONDÉ, B. (1947): Description de quatre Protoures nouveaux du Sud-Ouest de la France. *Coll. Mus. Zool.* Nancy 2: 5-12.  
 NOSEK, J. (1972): Four new species of Protura from Brazil. *Acta Soc. zool. Bohemoslov.* (in press).  
 — (1972): Three new species of Protura from Brazil. *Rev. suisse zool.* (in press).  
 TUXEN, S. L. (1964): The Protura. A revision of the species of the world with keys for determination. Paris: Hermann 360 pp.

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