

NOTOEDRES TRISTIS, N.SP. FROM A BAT (ACARINA: SARCOPTIDAE)A. Fain and A. G. Marshall¹

----- **ABSTRACT** — A new species of sarcoptid mite, *Notoedres tristis* n.sp. (Acarina : Sarcoptidae) is described from a bat (*Tadarida jobensis bregullae*). It is known from New Hebrides. -----

The new species of *Notoedres* described here was collected by the junior author on a bat, *Tadarida jobensis bregullae*, during the Royal Society and Percy Sladen Trust Expedition to New Hebrides (Marshall, 1976). It is distinguished from all the other species of the genus by the combination of the following characters: body rounded and large, setae *sci* and *d1* distinctly stronger than the other dorsal setae, absence of the genital setae *g p* between coxae IV, setae *d4*, *d5* and *l4* situated on a transverse line (Fain, 1965; Lavoipierre, 1968).

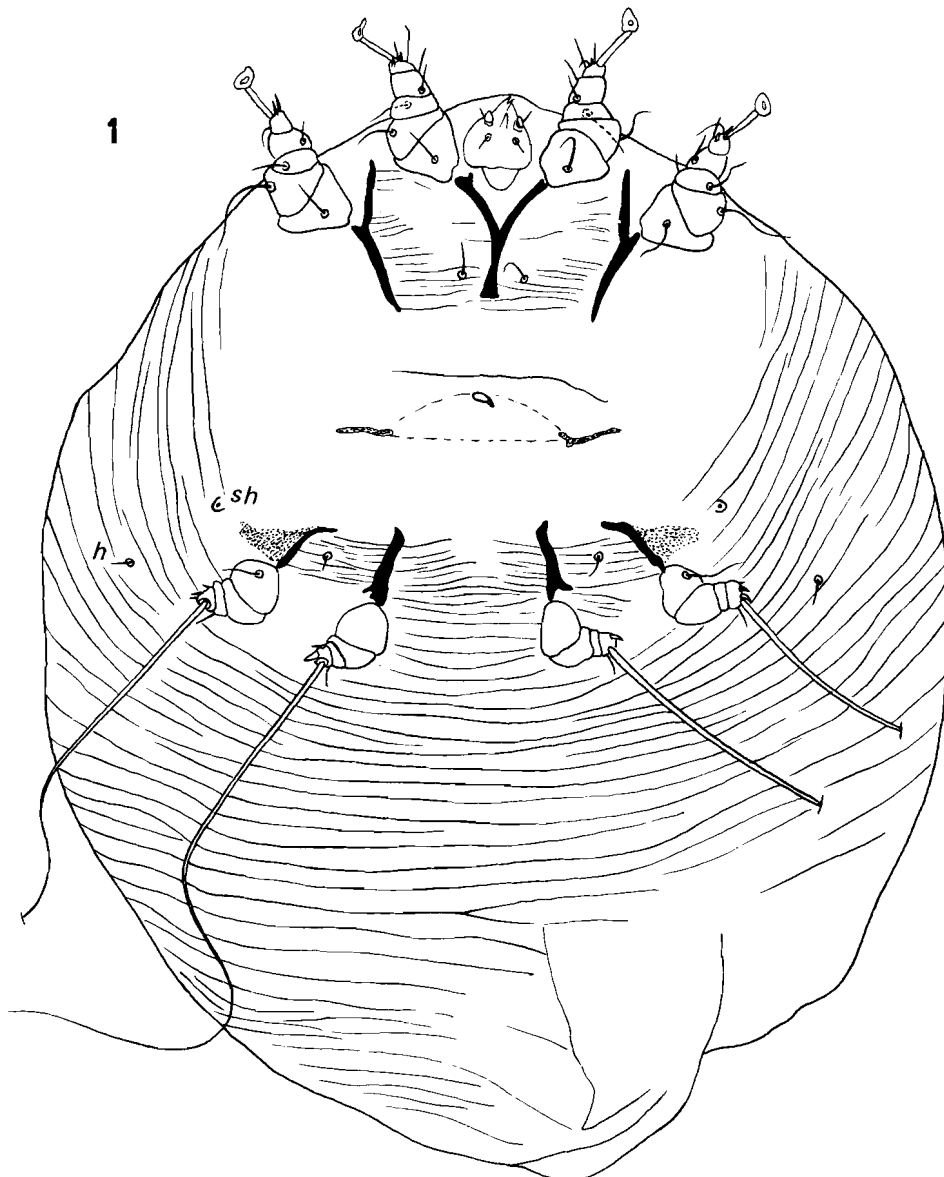


Fig.1. *Notoedres tristis*, n.sp. (Holotype female:ventral view)

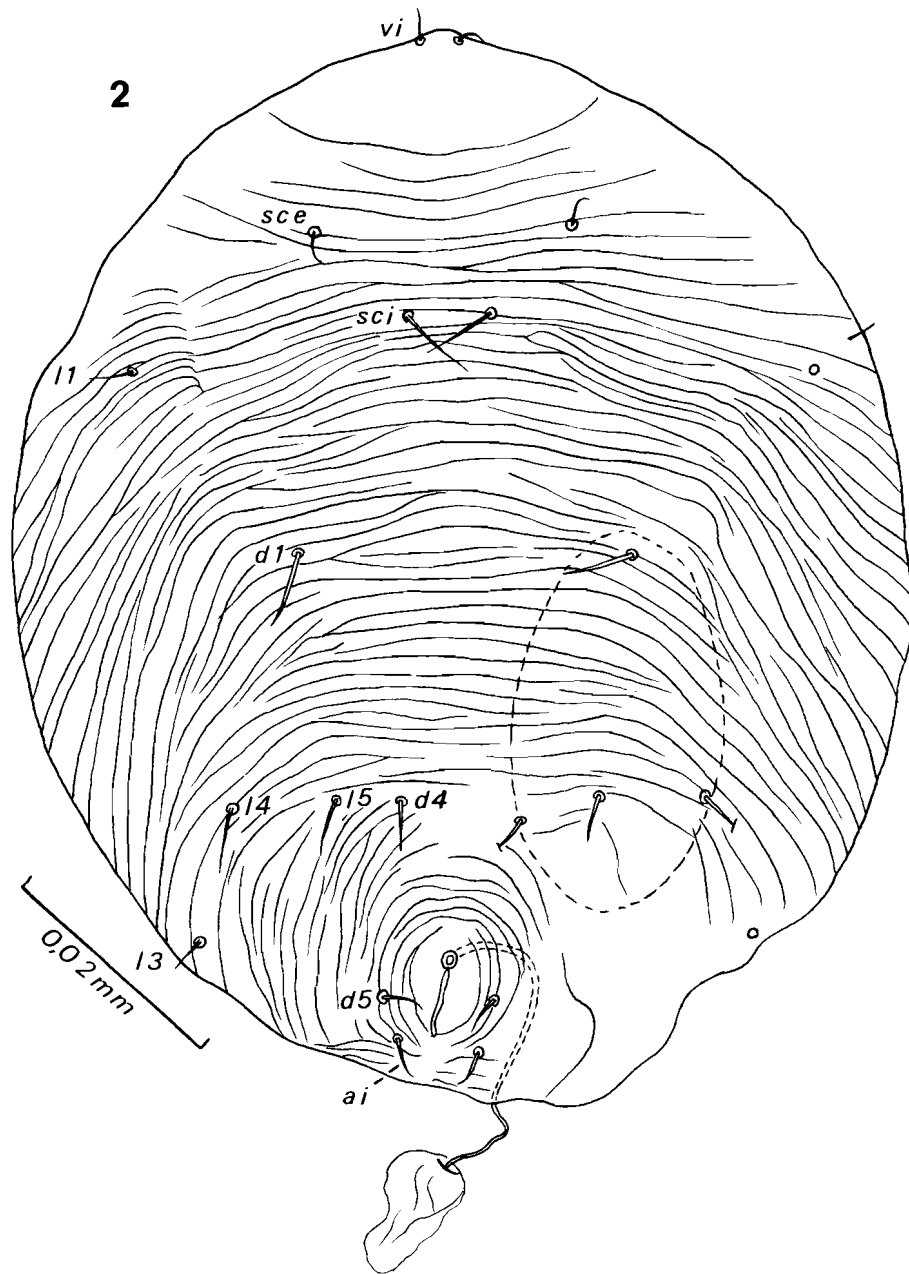


Fig. 2. *Notoedres tristis*, n. sp. (Holotype female: dorsal view).

Notoedres tristis nov. spec.
(Figs. 1, 2)

FEMALE (Fig. 1, 2) (Holotype) — Idiosoma 850 μ long and 720 μ wide. Dorsum — completely striated except in a small area in the anterior region close to the *vi*. Genital papilla forming a sclerotized ring situated close to anterior extremity of anus. Anus dorsal. Posterior border of body broken and bursa and spermatheca protruding through the tear. Venter — opisthosoma regularly striated. Epimera I fused into a rather long sternum. Other epimera free, epimera III slightly recurved in its internal third. Ambulacra I-II with rather short stalks.

CHAETOTAXY — Setae *sci* and *d1* equal or subequal and distinctly stronger and longer (60 μ) than other setae of dorsum. Setae *d4*, *l4* and *l5* subequal, situated on a transverse line and distinctly longer and stronger than *l3*.

MALE — Not known.

HOST AND LOCALITY — On *Tadarida jobensis bregullae*, Abounatari Caves, Malo Is., New Hebrides, 23.VIII.1971, R.S.N.H. 4b-03 (Coll. A.G.Marshall). Holotype female and only known specimen, in British Museum (Nat.Hist.), London, Reg.No.1973-473.

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