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# FIELDIANA: ZOOLOGY

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# FIELDIANA

## Zoology

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### *Myoproctalges surinamensis*, a New Genus and Species of Mite Parasitic on the Acuchi *Myoprocta acouchy* from Surinam (Psoroptidae, Psoralginae: Sarcoptiformes)

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We herein describe a new genus represented by a new species found on *Myoprocta acouchy* (Dasyproctidae), during the Field Museum of Natural History Guiana Zoological Expedition (1960-62) in Surinam.

This new genus is distinguished from all the other genera in the subfamily Psoralginae (Psoroptidae), in both sexes, by the strong sclerotisation of the body, the presence of a broad hysterosomal dorsal shield, the normal length of the hind tarsi, and the presence of suckers on legs III and IV (see Fain, 1963, 1967; Fonseca, 1954).

#### **Myoproctalges**, new genus.

*Definition.*—IN BOTH SEXES: small size; body flattened and broadly oval; sejugal furrow present; idiosoma and legs well sclerotized; dorsal surface of hysterosoma with a broad punctate shield, absence of attaching organs (recurved process) on idiosoma and legs; base of gnathosoma with two processes directed posteriorly; setae *vi* present; all tarsi of normal length and shape, except tarsus III of the male which is fused with the corresponding tibia; all tarsi terminate in a stalked sucker; a recurved process (=“ongle”) is present on the apices of all the legs except legs IV of the male; epimera I separate, united posteriorly to the epimera II. FEMALE: epigynium free. MALE: adanal suckers vestigial; legs III slightly

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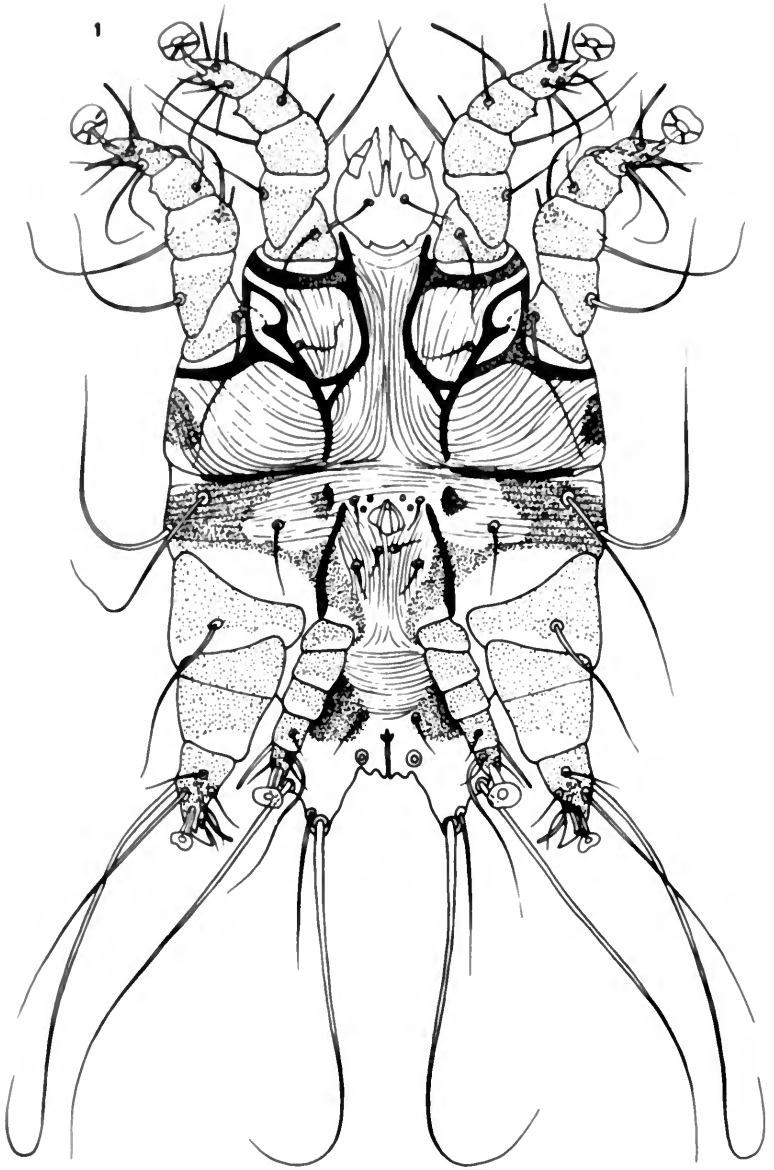
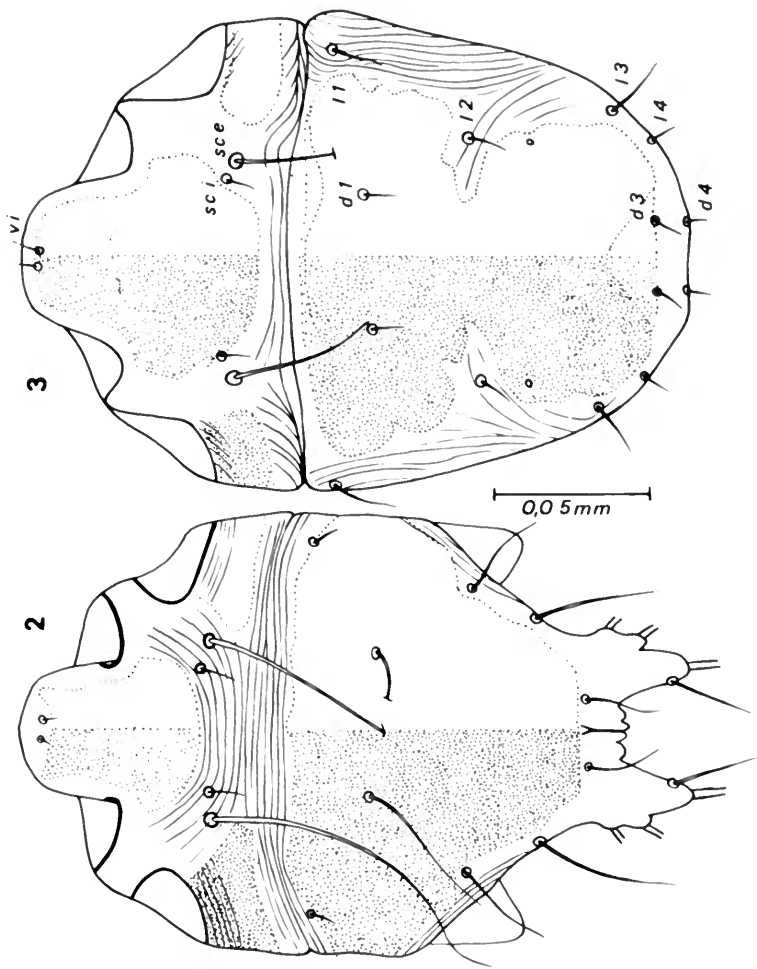


FIG. 1. *Myoproctalgus surinamensis* n. sp. Male (holotype) in ventral view.





Figs. 2, 3. *Myoproctalges surinamensis* n. sp. 2, Male (holotype). 3, Female (allotype). Both in dorsal view.

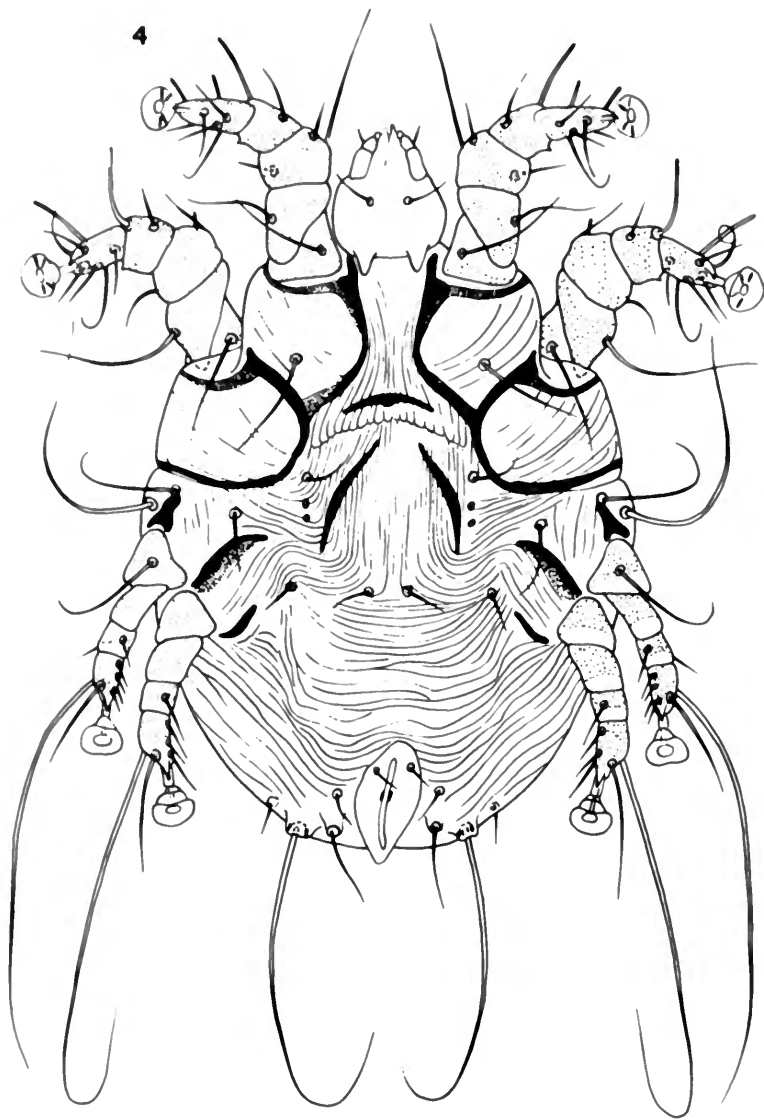


FIG. 4. *Myoproctalges surinamensis* n. sp. Female (allotype) in ventral view.

longer but much thicker than legs IV; posterior margin of the body deeply incised into two strong triangular lobes widely separate.

*Type species.*—*Myoproctalges surinamensis* new species.

### **Myoproctalges surinamensis**, new species.

*Description.*—MALE (holotype) (figs. 1, 2): Length of idiosoma (posterior lobes included) 219 $\mu$ , width 144 $\mu$ . *Dorsum*: propodosoma with an antero-median and two postero-lateral shields. A wide shield covers the greatest part of the hysterosoma. *Venter*: legs IV very narrow, completely situated inside of legs III. Legs III with tibia fused with tarsus and femur fused with genu.

FEMALE (allotype) (figs. 3, 4): Idiosoma 216 $\mu$  long and 158 $\mu$  wide. Dorsum and epimera I as in the male. Opisthosoma striated ventrally without shield. Anterior legs distinctly thicker than posterior legs. Vulva in an inverted Y. Epigynium slightly recurved.

*Host and locality.*—On *Myoprocta acouchy* Erxleben (Dasyproctidae, Hystricoidea), Paloemeu Airstrip, Tapanahoni River, Surinam, May, 1961, Coll. H. A. Beatty, Catal. n<sup>o</sup> 95.787. The holotype male and allotype female are deposited in Field Museum of Natural History, Chicago.

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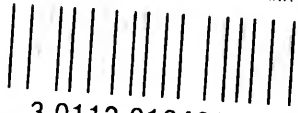








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