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# TWO NEW SPECIES OF *CHEYLETUS* LATREILLE, 1796 (ACARI, CHEYLETIDAE, PROSTIGMATA) FROM GERBILS.

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Two new species of genus *Cheyletus* (Acari, Cheyletidae) are described from Gerbils: *Ch. punctulatus* sp. n. from *Gerbillus pyramidum* from Marocco and *Ch. allactaga* sp. n. from *Allactaga sibirica*, from Mongolia.

The two new species of *Cheyletus* described here were collected from Gerbils: *Ch. punctulatus* from *Gerbillus pyramidum* in North Africa and *Ch. allactaga* from *Allactaga sibirica*, in Mongolia.

Genus CHEYLETUS Latreille, 1796

1. CHEYLETUS PUNCTULATUS sp. n.

This new species is known from a single female.

### Description

Palptarsus: inner comb with 31-33 teeth, outer comb with 19-21 teeth.

Host and Locality: From Gerbillus pyramidum, 20 km N. of Oued Draa, Southern Marocco, 28°40' N, 10°50' W, 27.III.1975 (Coll. G. Rheinwald). Holotype female (Coll. F. S. L.) in Museum Alexander Koenig, Bonn, Germany.

#### Remark

This species differs from all the known specie by the striate-punctate aspect of the dorsal cuticle and the dorsal plates.

#### 2. CHEYLETUS ALLACTAGA sp. n.

Only the female is known.

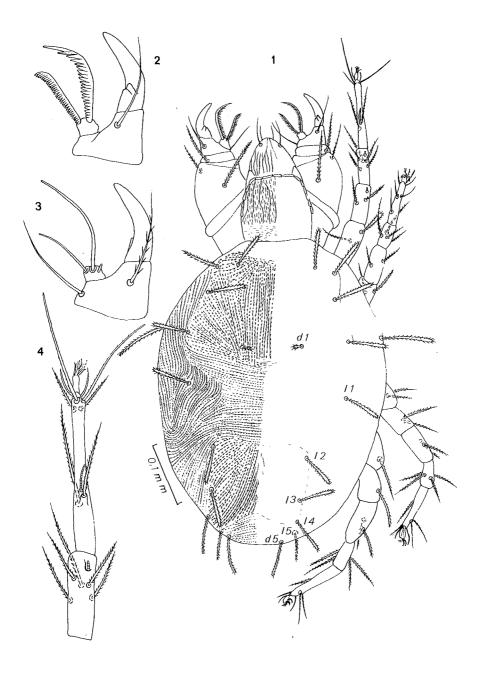
## Description

Female holotype (Figs. 5-9): Idiosoma 420  $\mu$ m long and 300  $\mu$ m wide. Total length, including gnathosoma 576  $\mu$ m. Cuticle striated. Dorsum with two plates: anterior plate wider (225  $\mu$ m wide) than long (150  $\mu$ m long) with a very poorly distinct and an incomplete network of lines; posterior plate as long as wide (135  $\mu$ m). Both plates widely separated. Dorsal setae barbed, spatulate 50 to 75  $\mu$ m long. The longest is h (75  $\mu$ m). The setae d I to d d are absent in all our specimens. Venter: coxal setae 2-1-2-2, relatively long, all are smooth except external coxal III barbed. Genitals 1 to 4 smooth, genital 5 barbed. Anals barbed. Legs rather long and thin; number of setae as in Ch. trouessarti (see Fain, 1979). The dorsal setae of femur and genu III and IV are strongly flattened. Tarsus I 95  $\mu$ m long, with a thin solenidion 27  $\mu$ m long and flanked by a guard seta longer (40  $\mu$ ) than the solenidion and very slightly barbed. Gnathosoma: peritreme in the shape of an inverted U and with 6+7 links. The spine (= claw) of palptibia with 2 long and rather narrow teeth. In the holotype there is a third small additional tooth at one side. Outer comb of palptarsus with 14 teeth, inner comb with 24-26 teeth. Palpfemur strongly concave inside.

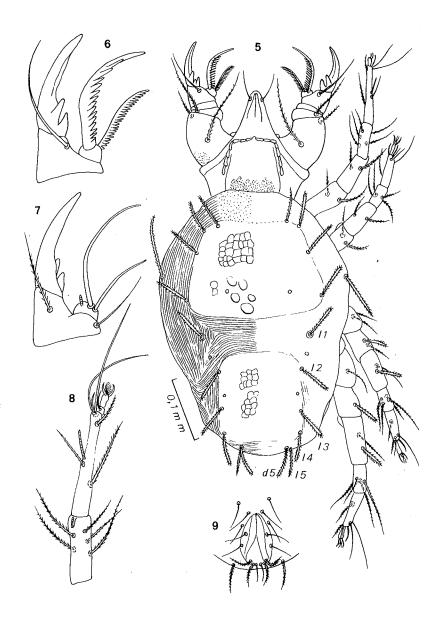
Host and Locality: Holotype and 1 paratype female from Allactaga sibirica in Bulgan-gol, Mongolia, 28.V.1974. Paratype females from the same host in Chovd-gol, Mongolia, 2.VI.1975 (2 females) and in Conocharychn-gol, 6.VI.1975 (5 females). These three rodents were collected by Dr. Stubbe. Holotype in the collection of Museum fur Naturkunde, Humboldt-Universität, Berlin.

#### Remarks

This species resembles Cheyletus aversor. It differs from it by the following characters: 1) Absence of d 1 and d 2; 2) Palpfemur narrower and distinctly concave inside; 3) Propodonotal shield relatively narrower (ratio lengthwidth = 1:1,5; in Ch. aversor this ratio is 1:1,6 or 1:1,7); 4) The basal teeth of palptibial claw are narrower, more cylindrical, longer and less unequal than in Ch. aversor; 5) Hysteronotal shield relatively larger and with lateral margins straight (in Ch. aversor the lateral margin of this shield are concave); 6) Dorsal shields less separated. This distance is 39 to 48  $\mu$ m (average 42  $\mu$ m), while in specimens of Ch. aversor collected in Belgium this distance is 66-105  $\mu$ m (average 80  $\mu$ m); 7) Palptarsus combs with less numerous teeth.



Figs. 1-4 Cheyletus punctulatus sp. n. 1, Holotype female in dorsal view; 2 and 3, palptarsus and palptibia in dorsal and ventral view; 4, tarsus and tibia I.



Figs. 5-9 Cheyletus allactaga sp. n. 5, Holotype female in dorsal view; 6 and 7, palptarsus and palptibia in dorsal and ventral view; 8, tarsus and tibia I; 9, genital and anal region.

#### REFERENCES

- FAIN, A. (1979). Idiosomal and leg chaetotaxy in the Cheyletidae. *Internat. J. Acarol.*, 5 (4), 305-310.
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