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Recommended Citation
Higgins, Harold G. and Woolley, Tyler A. (1968) "A new mite of the genus *Eupterotegaeus* from Oregon (Cryptostigmata: Cepheidae),”  
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A NEW MITE OF THE GENUS EUPTEROTEGAEUS FROM OREGON
(CRYPTOSTIGMATA: CEPHEIDAE)

Harold G. Higgins2 and Tyler A. Woolley3

During a recent collecting trip into the northwestern part of the United States, many unusual mites were found. Among these was a new species of moss mite of the genus Eupterotegaeus. This now brings the number of species recorded from the United States to three, and all have been found in the states of Colorado, Utah, Washington and now Oregon. A description of this new species follows below.

Eupterotegaeus rhamphosus, n. sp.

Diagnosis.— Rostrum rounded, with out median spine; lamellae large, projecting over rostrum, with broadly rounded lateral margins and sharp "beak-like" inner margins; a triangular projection mediad to pteromorphae along dorsosejugal suture: differing from E. spinatus in the lack of translamellar spine and from E. rostratus in the rounded rostrum and sharply pointed lamellar cusps, and from both in having a projection mediad of humeral processes on dorsosejugal suture and all legs monodactylyous. The trivial name comes from the Greek meaning "curving beak" and refers to the sharply pointed lamellar cusps.

Description.— Dark reddish-brown color; prodorsum about two-thirds as long as hysterosoma and approximately as long as broad; rostrum rounded with small lateral projections; rostral hairs simple, inserted in anterolateral margins of rostrum; lamellae over three times as long as broad of nearly equal width throughout, lamellar cusps ending in sharp incurved anterior medial tips resembling a beak; lamellar hairs simple, as long as width of lamellae, incurved, extended beyond tip of lamellae and inserted near anterolateral edge; interlamellar hairs missing in type specimen, their insertions mediad of pseudostigmata; pseudostigmata heavy, cup-shaped, with roughened edges, directed anterolaterally; sensillus club-shaped, shorter than the distance between the pseudostigmata, about twice as long as lamellar hairs, with a finely setose tip; no exobothridial hairs observed on type specimen.

Hysterosoma rounded, with roughened anterolateral pteromorphs projected anteriorly; a triangular projection mediad of pteromorphs along dorsosejugal suture; surface with a light rectangular pattern; nine pairs of short, marginal setae observed, each seta set on a raised tubercle; areae porosae or muscle attachment scars along lateral margins of hysterosoma (Fig. 1).

1. Research supported in part by TG TO1-AI000094-09 NIH-NIAID.
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Camerostome egg-shaped, with setae as shown in Fig. 2; a heavy, exposed apodeme projecting laterad at level of pedotecta I; ventral setae as shown in Fig. 2; genital aperture with flattened sides, trapezoidal. about as broad as long, each genital cover with six hairs; anal aperture egg-shaped, about one-third longer than genital aperture and separated from genital opening by about one-half its length, each cover with two setae; preanal piece prominent; aggenital setae inserted remotely from genital aperture, at level midway between genital and anal apertures; three pairs of adanal observed on type specimen, ada: 1, 2 posterior to anal aperture, ada: 3 inserted laterad of cover at level near middle of anal plate; iad fissure located between aggenital setae and ada: 3 at level of anterior edge of anal plate.

Entire body and legs covered with a cerotegument. All legs monodactylyous, contrasting to tridactylyous legs of E. rostratus and E. spinatus. Size: Length $396\mu$; width $232\mu$. 

Fig. 1. *Eupterotegaeus rhamphosus*, from the dorsal aspect, legs omitted.
The type specimen, a male, was collected by H. Higgins from moss along stream, 10 miles south of La Grande, Union Co., Oregon. 26 June 1968. This type specimen is broken and the drawings are partly reconstructions. The type was deposited in the U. S. National Museum.

**Key to the Species of Eupterotegaeus**

1. Lamellae rather narrow toward distal half with "shoe-shaped" apices ........................................... *E. ornatissimus* (Berlese)
   Lamellae broader, with nearly parallel sides ........................................... 2

2. Legs monodactylos; a triangular projection mediad of pteromorphs along dorsosejugal suture .......................................................... *E. rhamphosus* Higgins & Woolley
Legs heterotridactylyous; no triangular projection medi-
ad of pteromorphs .......................................................... 3

3. Prodorsum with a distinct translamella ......................

.......................................................... E. spinatus Higgins & Woolley
Prodorsum without a translamella ..............................

.......................................................... E. rostratus Higgins & Woolley

DISCUSSION.— In our previous paper (1963) on this genus we
inadvertently did not catch a spelling error in the generic name.
We spelled it Eupterotegeus, which is incorrect and should be written
Eupterotegaeus.

REFERENCES


Genus Eupterotegeus from the Western United States (Oribatei: Cepheidae).