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STUDIES ON THE SUCKING LICE IN JAPAN (PART 3) DESCRIPTION OF POLYPLAX SHIMIZUI n. sp. (HOPLOPLEU-RIDAE, ANOPLURA) FROM CROCIDURA DSINEZUMI CHISAI



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STUDIES ON THE SUCKING LICE IN JAPAN (PART 3) DESCRIPTION OF POLYPLAX SHIMIZUI n. sp. (HOPLOPLEU. RIDAE, ANOPLURA) FROM CROCIDURA DSINEZUMI CHISAI

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genus Polyplax and seems to be undescribed heretofore. In the present paper, description and drawing of this species will be given. three different places in Honshu, Japan. The species of louse belongs to the bers of the investigative team collected many specimens of sucking lice from three Dsinezumi-Shrews (Crocidura dsinezumi chisai Thomas, 1906) trapped at During the epidemiological investigations of scrub typhus in Japan, mem-

POLYPLAX SHIMIZUI n. sp.

(Male Fig. I, 2)

Body length: 0.86 to 1.0 mm.

the post-antennal angles prominent and rounded, the first segment of the antenna Head: As broad as long, broadly rounded in front of the antennal bases; with

Thorax: Much longer and broader than the head, the lateral margins rather

with the blunt posterior end; legs of the ordinary form. roundly convex; sternal plate (Fig. II, 4) with a very slender anterior process and

Abdomen: Elongate egg-shaped; pleural plate (Fig. II, 3) as follows:

with a pair of short setae, the ventral seta longer; plates of the seventh and eighth each with a pair of long setae; spiracles on the pleural plates small. Dorsal chitinized plates very well developed, reaching nearly to pleurites and Plate of the second segment divided into a narrow ventral and a slightly broader dorsal piece, each with a small apical seta; plates of the third to fifth segments ro-unded triangular, plate of the third segment with a pair of short setae, fourth and fifth segments and mith a mith a pair of short setae, fourth and fifth segments each with a ventral short and dorsal long setae; plate of the sixth

at the posterior margin, slender and stout setae widely spaced. Submarginal seta absent most sternal plates with six to seven setae; submaginal seta absent. occupying the greater part of the surface, most dorsal plates with eight to ten setae

Genitalia: Closely related to Polyplax servala and Polyplax reclinata.

Female (Fig. I, 1)

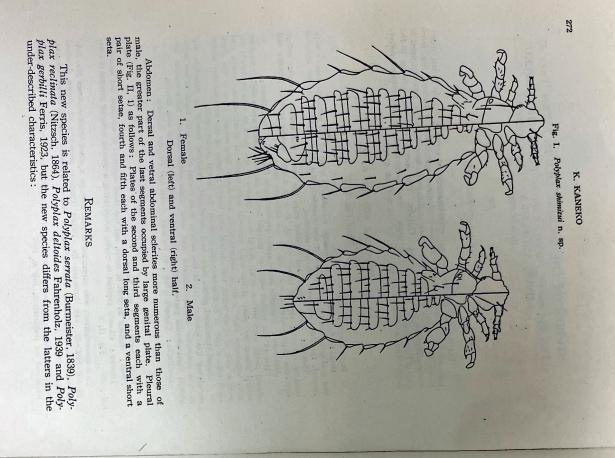
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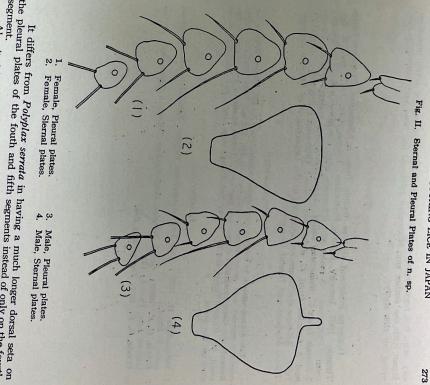
Body length: 1.1 to 1.4 mm.

nal plate. (Fig. II, 2) Thorax: Closely related to male, but wanting a slender anterior precess of ster-Head: Similar to that of male, but the third segment of antenna not modified.

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hiko Shimizu, Department of Bacteriology, Tokyo Medical and Dental Univer-The specific trivial name "shimizui" was dedicated to Prof. Dr. Fumi-

long dorsal setae, and therfore P. gerbilli is easily distinguished from the new those of the third and the fourth segments with a short ventral and a very gerbilli each with a much broader and longer projection at the ventral angle, plate in both sexes, but pleural plates of the third to sixth segments of P. process. Polyplax gerbilli has a very slender anterior process of the sternal pair of long setae, and thoracic sternal plate of male with a slender anterior a pair of short setae on the pleural plate of the sixth segment insted of a Also it differs from Polyplax reclinata and Polyplax deltoides in having

the pleural plates of the fouth and fifth segments instead of only on the fourth

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sity, who has been engaged in the epidemiological studies on scrub typhus in Japan with the author sinc November 1950 and has been very helpful in carrying out this study.

TYPE

Holotype male and allotype female from a *Crocidura dsinezumi chisar* Thomas, 1906; Ina-city, Nagano Prefecture; February 24, 1957, coll. K. Ka-neko. Paratypes: 3 males and 2 females from the same host of holotype; 1 female from *C. dsinezumi chisai*; Aichi Prefecture, March 12, 1966; 1 male and 2 females from *C. dsinezumi chisai*; Okayama Prafecture, March 10, 1957. All type specimens are deposited in the Department of Medical Zoology, Tokyo Medical and Dental University.

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