Swezeyia species from Papua New Guinea
(Homoptera, Derbidae)*

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ABSTRACT: Swezeyia papuana (Muir) and S.lalokensis (Muir) are redescribed. S.polyxo Fennah and S.lyricen Kirkaldy are reported for the first time in New Guinea and S.condorensis sp.nov. and S.pirosa sp.nov. are newly described.

1. INTRODUCTION

The genus Swezeyia Kirkaldy, 1906 presently accommodates 77 taxa occurring in the Oriental and Australian region. Muir (1913) described S.lalokensis and S.papuana from Papua New Guinea, both only known from the female holotype. As the generic place of female Swezeyia and Kuranda species is difficult to estimate (Van Stalle, 1986) these are tentatively placed in Swezeyia.

The present paper is mainly based on a collection made by Dr J.Van Goethem and Dr P.Grootaert (Koninklijk Belgisch Instituut voor Natuurwetenschappen) in 1981 and 1982. This collection contains four species new to the fauna of New Guinea: Swezeyia polyxo Fennah, 1956 (Caroline islands) and Swezeyia lyricen Kirkaldy, 1906 (Fiji, Samoa) are recorded here for the first time; in addition two species are newly described: S.condorensis sp.nov. and S.pirosa sp.nov.

2. SYSTEMATIC ACCOUNT

Swezeyia papuana (Muir) (Figs 1-4)
Phantasmaticera papuana Muir, 1913: 47.
Phantasmaticera papuensis (sic) Muir, 1913: 46.
Swezeyia papuana (Muir); Metcalf, 1945: 154.


Male. Unknown.

* Leopold III Biological Station, Laing Island, contribution no. 92.
Female. Lower half of genae brown, extension anterior to eyes less than twice greatest width of an eye (1:1.6). Postclypeus brown, anteclypeus and rostrum pale ochreous. Lateral borders of vertex slightly sinuous (Figs 1 and 2). Pronotum with a brown streak laterally; mesonotum, legs and abdomen pale ochreous. Tegmina (Fig. 4) with brown colour marks as illustrated in Figure 4. Length 5 mm.

Pregenital sternite (Fig. 3) with a projection in middle divided by a linear incision.

Swezeyia lalokensis (Muir) (Figs 5-8)
Phaenocarida lalokensis Muir 1913:46.
Swezeyia lalokensis (Muir); Metcalf 1945: 153.


Male. Unknown.

Female. Genae with a brown streak (Fig. 6), extension anterior to eyes less than twice greatest width of an eye (1:1.6). Postclypeus and anteclypeus brown. Lateral borders of vertex slightly converging anteriorly. Antennae short (Fig. 6), flattened, ochreous. Pronotum and mesonotum whitish, the former with a brown streak. Tegmina with brown marks as illustrated in Figure 5. Abdomen ochreous ventrally, paler dorsally. Legs whitish. Body length: 3 mm; tegmina 4 mm.

Genitalia: pregenital sternite (Fig. 8), with a narrow projection in middle, divided by a linear incision.

Swezeyia polyxeno Fennah
Swezeyia polyxeno Fennah 1956:146.


Swezeyia condorensis sp.nov. (Figs 9-13)


Male. Borders of vertex strongly converging anterior to eyes and touching each other, covered with sensilla in the basal part until the point where the borders touch, and in the apical part as indicated by the dotted line in Figure 11. Antennae shorter than head. Genae, elyceus, antennae and ventral part of abdomen brown. Tegmina with brown marks as illustrated in Figure 12. Length: 4.5 mm.

Genitalia. Anal segment with two small apical lobes, blunt in caudal view. Aedeagus narrowly tubular, curved upward (Fig. 13).

Female. Unknown.
Diagnosis. *S. condorensis* sp.nov. closely resembles *S. zephyrus* Fennah, 1956 (Micronesia) in the shape of the vertex but in *S. condorensis* the head is longer and the basal part of the vertex is broader.

*Swezeyia* lyricon Kirkaldy (Figs 14-15)
*Swezeyia* lyricon Kirkaldy, 1906:430.


*Remarks.* The determination is tentative; the shape of the head (Fig. 14) and the description of the tegmina (Fig. 15) corresponds with the description and illustration in Kirkaldy (1906 and 1907).

*Swezeyia pilosa* sp.nov. (Figs 16-24)


*Male.* Head strongly curved anterior to eyes, angle sometimes different due to dissection. Vertex covered with fine hairs all over its surface and sensilla along base and apex. General colour white, carinae of frons slightly fumigated with brown in lower part; a brown spot laterally on pronotum and mesonotum forming a single streak; antennae almost as long as head, brown, flattened, totally covered with roundish sensilla. Tegmina hyaline, with brown spots as illustrated in Figure 16. Length: 5 mm. Male genitalia as illustrated in Figure 24.

*Female.* Head and antennae considerably smaller (Figs 20 and 21). Genitalia: Pregenital sternite projected caudally into a lobe divided in middle by a linear incision (Figs 22 and 23).

*Diagnosis.* Differs from other *Swezeyia* species in the larger size of the head.

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REFERENCES


Van Stalle, J. 1986. The genus Kuranda Distant, 1907, with description of four new species from