

ON A NEW SPECIES OF THE GENUS *NANNISOLABIS* BURR (INSECTA :
DERMAPTERA) FROM BURMA WITH A KEY TO ORIENTAL SPECIES

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ABSTRACT

A new species of the genus *Nannisolabis* Burr, from Burma is described alongwith a key to the identification of various species of this genus.

Recently I had an opportunity to examine 1 ♂ from Burma determined by Hincks (1947) as *Metisolabis caudelli* (Burr), available in the collections of Naturhistoriska Riksmuseet, Stockholm (Sweden). A detailed examination of all morphological characters and ♂ genitalia shows, it represents an undescribed species of the genus *Nannisolabis* Burr. Hincks (1.c.) referred two males but the fate of the other ♂ is not known to me. However on basis of ♂ genitalia figured by him it appears that second ♂ will be conspecific with this specimen.

This genus is mainly characterised by the presence of eyes shorter than the post-ocular length of head and placed anteriorly; mesonotum at shoulder with a blunt incurved fold and the area inbetween depressed, representing a transverse depression.

Burr (1910) erected this genus with *Brachylabis philetas* Burr (1901) as its type and *Nannisolabis willeyi* Burr, both from Ceylon. Besides, three more species viz., *N. dammermani* Borelli (1926) and *N. javana* Boeseman (1954) from Java and *N. ceylonicus* Brindle

(1977) from Ceylon; are known from the Oriental Region. *N. javana* described from a ♀, does not seem to belong to this genus since it lacks lateral apical fold as well as transverse median depression on mesonotum. It may perhaps be referable to genus *Antisolabis* Burr. However, for its correct generic assignment the discovery of ♂ and re-examination of Holotype will be desirable.

All the known species of the genus including the described species can be separated by the following key. *N. javana* Boeseman, has not been included owing to its uncertain generic position.

Key to species of genus *Nannisolabis* Burr

(on males only)

- | | |
|---|-------------------------------------|
| 1(4). Pronotum longer than broad | |
| 2(3). Head and pronotum punctate | ... <i>N. dammermani</i>
Borelli |
| 3(2). Head near hind margin and pronotum obscurely punctulate | ... <i>N. willeyi</i> Burr |
| 4(1). Pronotum as long as broad or broader than long | |

- 5(6). Body less strongly punctate, punctures sparsely placed; pronotum as broad as long; forceps remote at base, incurved ... *N. philetas* (Burr)

- 7(8). Size smaller (6 mm), antennae unicolorous; pronotum parallel sided; genitalia with virga long and slender ... *N. ceylonicus* Brindle

- 8(7). Size larger (9.45 mm); pronotum with sides gently diverging posteriorly; genitalia with virga short and stout, distally tridentate, median tooth longer, acuminate and lateral tooth shorter and curved ... *N. hincksi* sp. n.

Family : CARCINOPHORIDAE

Subfamily : BRACHYLABINAE

Nannisolabis hincksi sp. n.

(Fig. 1, A-C)

Male : General colour shining dark brownish black; antennae with one or two preapical segments whitish, other segments with a whitish ring apically, apical portion of femora, whole of tibiae and tarsi yellowish, pronotum laterally as well as in posterior half, abdominal tergites close to hind margin lighter in colour.

Head obscurely punctate near hind margin, smooth above, slightly longer than broad, convex above, strongly sloping laterally and posteriorly, sutures obsolete, hind margin almost straight. Eyes a trifle shorter than post-ocular length, anteriorly placed. Antennae partly broken (only 15 segments remaining), 1st stout longer than the distance between antennal bases, narrowed at base; 2nd small, about as long as broad; 3rd long and slender; 4th subclavate, almost equal to preceding, remaining gradually increasing in length except a few preapical ones which are shortened and strongly narrowed basally. Pronotum impunctate, a trifle broader than

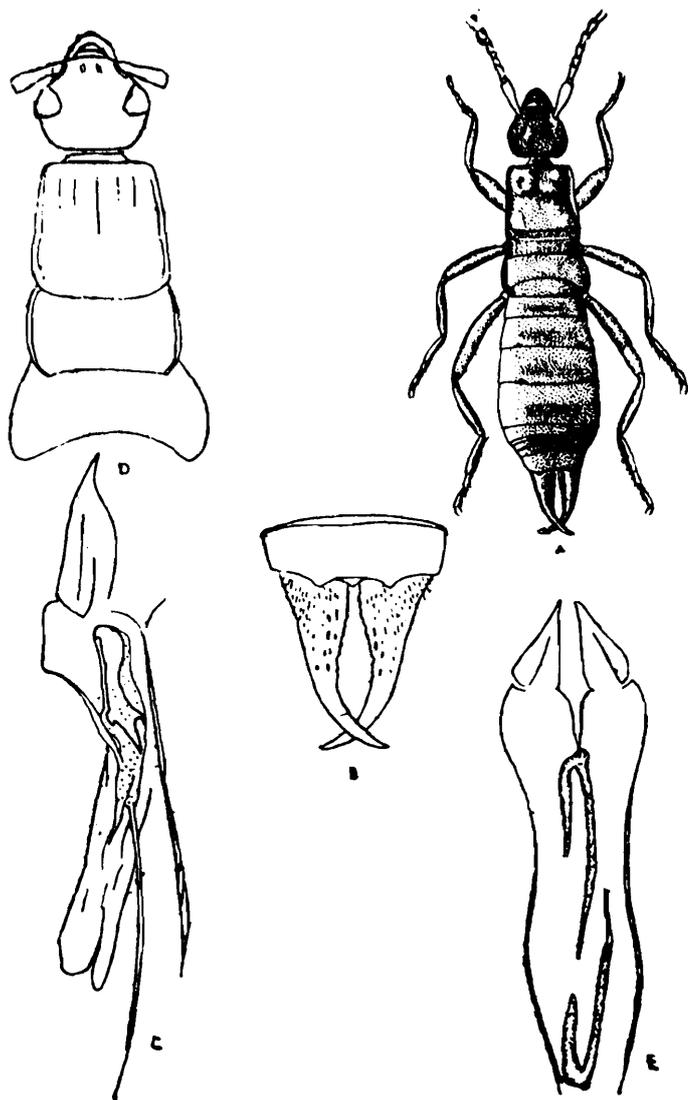


Fig. 1. *Nannisolabis hincksi* sp. n., Holotype ♂
A. Dorsal view, B. Ultimate tergite and forceps enlarged and C. A portion of genitalia; *Isolabis caudelli* Burr, Holotype ♂, D. Head and thorax and E. Genitalia

- 6(5). Body more strongly punctate, punctures closely placed; pronotum broader than long; forceps subcontiguous near base, almost straight in basal two thirds afterward strongly incurved.

long, sides straight, reflexed, faintly diverging posteriorly, hind margin subtruncate; prozona weakly raised with a faint circular depression on either side of faint median sulcus, metazona depressed. Mesonotum deeply and closely punctate, about half as long as pronotum, hind margin straight, antero-laterally an incurved fold present, in anterior half a transverse depression present. Metanotum with same texture, hind margin deeply emarginate. Elytra and wings absent. Legs long and slender. Abdomen deeply and closely punctate but on some hind tergites punctation gradually becoming weaker, spindle shaped, sides of segments convex, punctation same as above. Penultimate sternite transverse, narrow posteriorly with slight emargination in middle. Ultimate tergite with punctation weaker than on meso- and metanotum and a few anterior abdominal tergites and sparsely placed, median sulcus faint, hind margin trisinate, oblique laterally, above the roots of forceps produced in the form of a projecting triangular lobe. Pygidium scarcely visible from above, vertical, triangular, at base almost filling the space between branches of forceps, apex pointed. Forceps subcontiguous at base, cylindrical, gradually tapering from base to apex, almost straight in basal two thirds, afterwards strongly hooked with tip pointed, impunctate, with fine golden pubescence at base only, internally crenulate in basal two thirds. Genitalia with parameres acuminate apically, virga short and stout, distally tridentate, median spine prolonged and acuminate, lateral spines shorter and incurved.

Female : Unknown

		Holotype
<i>Measurements</i> —(in mm.)		♂
Length of head	—	1.4
Width of head	—	1.2

Length of pronotum	—	1.45
Width of pronotum	—	1.55
Length of body	—	8.05
Length of forceps	—	1.4

Material examined : Holotype ♂, N. E. BURMA, Kambaiti, 2000 m, 12. iv. 1934 (*R. Malaise*), Reg. No. 210/26, Det. by W. D. Hincks as *Metisolabis caudelli* Burr; genitalia mounted between two cover slips and pinned with the specimen (Naturhistoriska Riksmuseet, Stockholm, Sweden).

Remarks : This species was confused by Hincks (1947) with *Isolabis caudelli* (Burr) which is quite distinct due to the presence of a sharp raised carina all along the sides of mesonotum and distinctive parameres and virga (Fig. 1, D-E).

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