

XV.—A THIRD NOTE¹ ON EARWIGS (*DERMAPTERA*) IN THE INDIAN MUSEUM,
WITH THE DESCRIPTION OF A
NEW SPECIES

By MALCOLM BURR, B.A., F.Z.S., F.G.S., F.L.S., F.E.S.

Genus *DIPLATYS*, Serville.

1. *siva* Burr. Bhim Tal, Kumaon, 4,500 feet, 19th to 22nd September 1906, "feeding on flowers of stinging nettles." Three larvæ, which I refer with some doubt to this species. Nos. $\frac{623}{15}$, $\frac{625}{15}$ and $\frac{728}{15}$ (N. Annandale).
2. *gladiator* Burr. Calcutta, 22nd November 1906, ♀, No. $\frac{1248}{15}$ (J Caunter).

Genus *FORCIPULA*, Bolivar.

1. *trispinosa* Dohrn. Nepal; Chitlong, Nos. $\frac{751}{15}$ and $\frac{752}{15}$, ♂ ♂; $\frac{746}{15}$ and $\frac{750}{15}$, ♀ ♀ (R. Hodgart); Pharping, No. $\frac{1241}{15}$, ♀; $\frac{1243}{15}$, ♂ (R. Hodgart). Calcutta, "at light," No. $\frac{594}{15}$, ♂, and $\frac{595}{15}$, ♀ (C. A. Paiva). Also the following larvæ and immature specimens are probably to be referred to this species: Bhim Tal, Kumaon, 4,500 feet, 19th to 22nd September 1906, No. $\frac{624}{15}$ (N. Annandale). Nepal; Pharping, Nos. $\frac{1240}{15}$ and $\frac{1244}{15}$ (R. Hodgart). Nepal; Soondrijal, October 1906, Nos. $\frac{1270}{15}$, $\frac{1271}{15}$, $\frac{1273}{15}$, $\frac{1276}{15}$, $\frac{1277}{15}$, $\frac{1278}{15}$, $\frac{1280}{15}$, $\frac{1281}{15}$, ♀ ♀; $\frac{1291}{15}$ to $\frac{1295}{15}$, very small and ill-developed ♂ ♂, $\frac{1288}{15}$, $\frac{1289}{15}$ and $\frac{1297}{15}$, larvæ (R. Hodgart).
2. *decolyi* Borm. Nepal; Soondrijal, Nos. $\frac{1272}{15}$ and $\frac{1274}{15}$, ♂ ♂ (R. Hodgart).

Genus *LABIDURA*, Leach.

1. *bengalensis* Dohrn. Siliguri, N. Bengal, No. $\frac{602}{15}$, ♀ Chandpur, District of Tipperah, No. $\frac{597}{15}$, 10th September 1906, ♀ (I. H. Burkill).
2. *riparia* Pall. Kathgodam, U.P., 3rd October 1906, No. $\frac{1246}{15}$, one larva (N. Annandale). Comilla, Bengal, two larvæ (Lefroy). Pusa (Lefroy²). Var. *inermis*, Pusa, ♂ ♂ (Lefroy).

¹ The two previous papers on the collection were published in the *Fourn. Asiatic Soc. Bengal*, 1905, p. 27; and 1906, p. 387.

² This and other specimens recorded as collected by Lefroy belong to the collection of the Imperial Entomologist, Pusa.—ED.

3. *nepalensis* sp. n.

Parva, gracilis; pronotum angustum, longius quam latus, postice rotundatum; elytra granulosa, carina exteriori distincta, acuta; alæ longæ; pedes testacei, fusco-annulati; abdomen cylindricum, læve; segmentum ultimum ♂ rectangulare; pygidium ♂ ♀ haud perspicuum; forcipis brachia ♂ basi triquetra, margine interno per tertiam partem longitudinis fortiter laminato-dilatato, hac parte dente terminata; dehinc valde attenuata, gracilia, inermia, incurva.

	♂	♀
Long. corporis	7.5—9.75 mm.	8.5—11 mm.
„ forcipis	3	1.75—2

STATURE small and slender.

COLOUR dull black; last dorsal segment and forceps reddish black; antennæ greyish; feet testaceous, femora and tibiæ banded with blackish.

ANTENNÆ typical of genus; 21 segments.

HEAD smooth and convex; sutures obsolete.

PRONOTUM somewhat longer than broad, anterior border straight, posterior border rounded; prozona somewhat tumid; metazona flattened.

ELYTRA long, truncate, granulated, carina sharp and well defined; dull black.

WINGS long, same texture as elytra.

FEET slender, typical.

STERNUM brown, typical.

ABDOMEN dull chocolate black, with a pale sparse pubescence, which is denser and longer in the ♀; apparently smooth, exceedingly finely punctulated; no lateral tubercles.

VENTER dark brown, smooth, with fine yellowish pubescence.

PENULTIMATE VENTRAL SEGMENT ♂ obtusangular, truncate apically; ♀ rounded.

LAST VENTRAL SEGMENT almost hidden in both sexes, only the exterior angles visible.

LAST DORSAL SEGMENT: ♂ rectangular, reddish black, with a longitudinal median sulcus, and a blunt tubercle on each side at posterior border; ♀, attenuate, with median depression.

PYGIDIUM ♂ ♀ not apparent.

FORCEPS with the branches of the ♂ triquetre and stout at the base; inner margin depressed into a sharp flattened plate along one-third of its length; this part terminated with a small sharp tooth; the edges contiguous; then strongly attenuate, unarmed, gently incurved; on the underside each branch is deeply furrowed. In the ♀, simple, straight, conical.

HAB.—Nepal; Soondrijal, $\frac{1283-88, 93, 98, 99}{15}$, 3 ♂ ♂, 6 ♀ ♀; Pharping, $\frac{1245}{15}$, ♂ (Indian Museum, R. Hodgart).

Falls into the group of *L. lividipes* and *L. tenuicornis*, characterised by small size and slender build; this is a species at once distinguished by the dilated forceps, recalling typical *Forficula*.

4. *lividipes* Duf. Chakradharpur, Chota Nagpur, No. $\frac{9520}{14}$, ♀, 3rd to 6th March 1906 (N. Annandale). Siliguri, North Bengal, No. $\frac{600}{15}$, ♀; Calcutta, No. $\frac{599}{15}$ (C. A. Paiva).

Genus ANISOLABIS, Fieber.

1. *annulipes* Luc. Calcutta, 24th August 1906, No. $\frac{598}{15}$, ♂ (C. A. Paiva). Pusa (Lefroy).
 2. *annandalei*. Comilla, E. Bengal, Nos. $\frac{303}{15}$ and $\frac{306}{15}$, ♀ ♀; Dacca, E. Bengal, Nos. $\frac{354}{15}$ and $\frac{355}{15}$, ♀ ♀

These specimens are much redder than the type, which is probably bleached; the head and feet are uniform deep red.

Genus LABIA, Leach.

1. sp. (?).

This is probably a new species; there is a single female from Bhim Tal, Kumaon, at 4,500 feet, 19th to 22nd September 1906 (N. Annandale).

Genus CHELISOCHES, Scudder.

1. *melanocephalus* Dohrn. Pusa (Lefroy) ♂; Barisal, E. Bengal, ♀ (Lefroy); Munshiganj, Bengal (Lefroy).
 2. *simulans* Stål. Pusa (Lefroy), ♀, Calcutta; "at light," 14th November 1906 (N. Annandale).

Genus ANECHURA, Scudder.

1. *fea* Borm. Nepal; Chitlong, Nos. $\frac{734}{15}$ to $\frac{748}{15}$, 7 ♂ ♂, 8 ♀ ♀ (R. Hodgart). Naini Tal, Kumaon, 6,400 feet, 1st October 1906, No. $\frac{601}{15}$, ♂; $\frac{604}{15}$, ♀ (N. Annandale).
 2. *metallica* Dohrn. Bhim Tal, 4,500 feet, Kumaon, 19th to 22nd September 1906, "feeding on flowers of stinging nettles," Nos. $\frac{616}{15}$ and $\frac{629}{15}$, ♀ ♀ (N. Annandale). Nepal; Soondrijal, Nos. $\frac{1275}{15}$, ♂; and $\frac{1279}{15}$, ♀; Gowchar, Nos. $\frac{1300}{15}$, ♂; $\frac{1301}{15}$, ♀ (R. Hodgart); Nagorkoti, No. $\frac{1303}{15}$, ♀ (R. Hodgart).

Genus ALLODAHLIA, Verhoeff.

1. *coriacea* Borm. Bhim Tal, 4,500 feet, Kumaon, "feeding on flowers of stinging nettles," 19th to 22nd September 1906, Nos. $\frac{605}{15}$, $\frac{606}{15}$, $\frac{610}{15}$, ♀ ♀; $\frac{613}{15}$, $\frac{615}{15}$, $\frac{618}{15}$, $\frac{619}{15}$, $\frac{611}{15}$, $\frac{622}{15}$, $\frac{630}{15}$, ♂ ♂ and ♀ ♀ (N. Annandale).
 2. *ancylura* Dohrn. Bhim Tal, 4,500 feet, Kumaon, "feeding on flowers of stinging nettles," 19th to 22nd September 1906, No. $\frac{617}{15}$, ♂ (N. Annandale).

Genus APTERYGIDA, Westwood.

1. *bipartita* Kirb. var. *macrolabia*. Mussoorie, United Provinces, (Lefroy).
 2. *arachides* Yers Bombay (Lefroy).

Genus FORFICULA, Linn.

1. *planicollis* Kirb. Sandakphu, Darjeeling—Nepal border, 11,900 feet, October 1906, "amongst firewood," Nos. $\frac{634}{15}$ and $\frac{635}{15}$, ♂, ♀ (I. H. Burkill). Bhim Tal, Kumaon, 4,500 feet, 19th to 22nd September 1906, "feeding on flowers of stinging nettles," No. $\frac{620}{15}$, ♀ (N. Annandale).
2. *acer* Burr. Mussoorie, United Provinces, ♂ (Lefroy).
3. *beelzebub* Burr. var. Katmandu, Nepal, Nos. $\frac{1238}{15}$ and $\frac{1239}{15}$, ♂ ♂ (R. Hodgart). Nepal; Chitlong, No. $\frac{753}{15}$, ♀ (R. Hodgart).

These specimens agree with the type in structure, except that they represent the cyclolabia form, and the colour is different; instead of being of a uniform dull black, the elytra are clear brick red, the head is claret-coloured, and the abdomen is deep reddish black; I cannot find a true specific distinction, and therefore, for the present at least, range them as a cyclolabious colour-variety of *F. beelzebub*.

4. sp. (?). Assam, Nos. $\frac{248}{15}$ and $\frac{249}{15}$, ♀ ♀

These are a distinct species, but I refrain from describing and naming them until the male is forthcoming.¹—April 14th, 1907.

¹ Since this paper was sent to the press Mr. Burr has published a revision of the Forficulidæ (*sensu stricto*) and the Chelisochidæ (*Trans Ent Soc.*, 1907 (1), p. 91). This revision may necessitate considerable alteration in the generic names of the species recorded above.—ED., 13-viii-07.