

# REDESCRIPTION OF *DOUBLEDAYA DOHRNI* (GORHAM) COMB. NOV. (LANGURIIDAE, COLEOPTERA)

PIOTR WĘGRZYNOWICZ

Muzeum i Instytut Zoologii, Polska Akademia Nauk, ul. Wilcza 64, 00-679, Warszawa, Poland, e-mail:  
 piotr@robal.miiz.waw.pl

**Abstract.**— Redescription of *Doubledaya dohrni* (Gorham) **comb. nov.** from *Callilanguria* is provided.



**Key words.**— Entomology, taxonomy, redescription, *Doubledaya dohrni*, Languriidae, Coleoptera, new combination.

## INTRODUCTION

Gorham (1901) described new species *Callilanguria dohrni* from Sumatra. After examination of holotype of this species, preserved in collections of the Muzeum i Instytut Zoologii PAN in Warsaw, it has proved it belongs to the genus *Doubledaya*. Basal margins with distinct border placed it in the genus *Doubledaya*. Redescription and illustrations of taxonomic characters of *D. dohrni* are provided below.

The following abbreviations have been used in the description:

- HL – length of head (from the anterior margin of epistome to the line connecting hind margins of eyes);
  - HW – maximum (with eyes) width of head;
  - PL – length of pronotum along midline (between anterior and posterior margins);
  - PW – maximum width of pronotum;
  - EL – length of elytra along the suture (from the anterior margin of scutellum to elytral apices);
  - EW – maximum width of elytra;
- Length of the body = PL + EL.

### *Doubledaya dohrni* (Gorham) **comb. nov.**

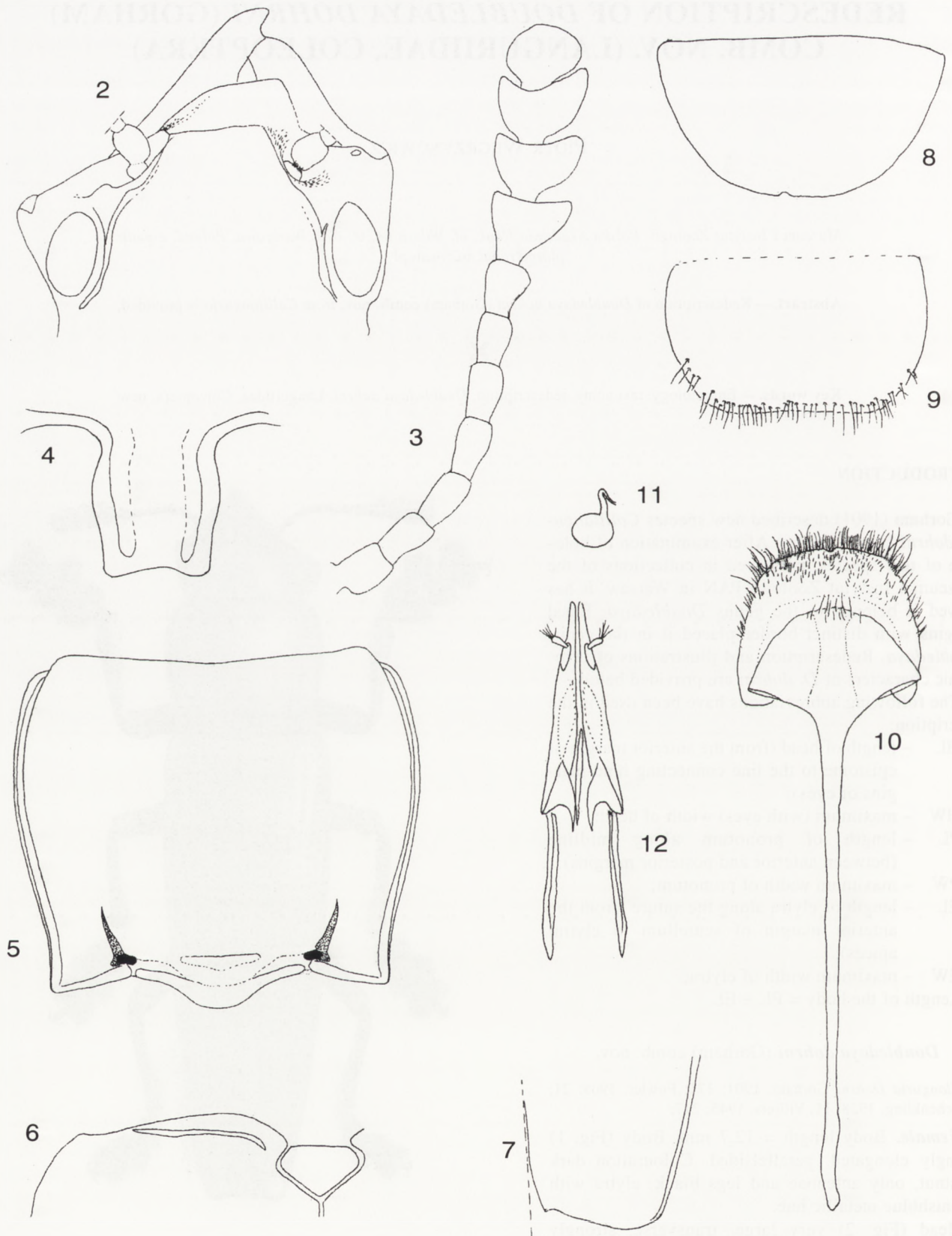
*Callilanguria Dohrni* Gorham, 1901: 171; Fowler, 1908: 21; Schenkling, 1928: 11; Villiers, 1945: 217.

**Female.** Body length = 12.7 mm. Body (Fig. 1) strongly elongated, parallelsided. Colouration dark chestnut, only antennae and legs black; elytra with greenishblue metallic hue.

Head (Fig. 2) very large, transverse, strongly asymmetrical (HL = 1.6 mm, HW = 3.0 mm, HL/HW = 0.53). Epistome strongly asymmetrical. Punctures sparse, fine. Microsculpture not apparent. Eyes large,



Figure 1. *Doubledaya dohrni*, dorsal view



Figures 2–12. *Doubledaya dohrni*: (2) head, dorsal view; (3) antenna; (4) prosternal process; (5) pronotum; (6) anterior part of elytron with scutellum; (7) apices of elytron; (8) last abdominal ventrite; (9) 8th abdominal tergite; (10) 9th sternite and tergite, ventral; (11) spermatheca; (12) ovipositor, ventral

not prominent. Frons near eyes with deep longitudinal stria. Antennae (Fig. 3) short, club narrow, long, 4-jointed.

Pronotum (Fig. 5) wider than long (PL = 2.9 mm, PW = 3.3 mm, PL/PW = 0.88), convex, sparsely and finely punctured. Microsculpture inconspicuous, thence surface shiny. Anterior margin almost straight. Sides arcuate, very slightly sinuate just before hind angles. Basal angles protruding, pointed. Lateral and basal margins with distinct border. Basal margin distinctly sinuate just before angles. Disc near base with pair of very deep foveae giving rise to somewhat divergent, short, shallow sulci. Prosternal process (Fig. 4) short, almost parallelsided, with distinctly sinuated lateral margins.

Scutellum (Fig. 6) cordate, short. Elytra strongly elongated, almost parallelsided (EL = 9.8 mm, EW = 3.6 mm, EL/EW = 2.72). Base of elytra with deep stria (Fig. 6). Apices (Fig. 7) slightly divergent at suture, with very fine, inconspicuous denticles. Lateroapical angles broadly rounded, apical truncature oblique. Perisutural striae distinct throughout. Elytral puncturation fine, arranged in regular rows. Secondary punctation sparse, very fine.

Legs rather long, robust. Basal three joints of anterior and mid tarsi, as well as second and third joint of posterior ones, strongly widened.

Abdominal ventrites (Fig. 8) coarsely punctured, last ventrite broadly rounded and emarginated in the middle. 8th abdominal tergite as in Fig. 9. Genitalia and genital segments as in Figs 10–12. Ovipositor as in Fig. 12. Spermatheca as in Fig. 11.

*Male.* Unknown.

*Type material.* Holotype (female): "Dohrn Sumatra Soekaranda", "771", "Mus. Zool. Polonicum 12/45", "*Callilanguria Dohrni*, Gorh.", "Sumatra *Dohrni* x Gorh", "Mus. Zool. Polonicum Warszawa typus n. 2425 *Callilanguria dohrni* Gorham, 1901 Holotypus", "*Doubledaya dohrni* (Gorham) det. P. Węgrzynowicz" – preserved in Muzeum i Instytut Zoologii PAN, Warszawa.

## REFERENCES

- Fowler, W. W. 1908. Coleoptera. Fam. Erotylidae. Subfam. Languriinae. In: P. Wytsman (ed.), *Genera Insectorum*. P. Wytsman, Bruxelles, 78: 45 pp., 3 pls.
- Gorham, H. S. 1901. Erotylidae, Endomychidae and Coccinellidae of Sumatra. *Entomologische Zeitung, Stettin*, 62 (1–2): 169–214.
- Schenkling, S. 1928. Languriidae. In: W. Junk and S. Schenkling (Eds.), *Coleopterorum Catalogus. Pars 100*. W. Junk, Berlin, 40 pp.
- Villiers, A. 1945. Révision des Languriides de l'Ancien Monde. *L'Abeille, Paris*, 37: 1–317, 637 figs.

Received: March 15, 1999

Accepted: May 16, 1999

Corresponding Editor: S. A. Ślipiński

Issue Editor: D. Iwan