

Abdomen a little longer, but no wider than the thorax; 1st and base of 2nd segment striate, rest of abdomen smooth; 2nd segment occupying two-thirds of the surface. Forewings reaching a little beyond apex of abdomen; moderately broad; hyaline; marginal cilia not long; discal cilia fine and dense; submarginal vein attaining the costa about middle of wing; marginal vein short; stigmal vein rather long and oblique; postmarginal vein twice as long as the stigmal; venation golden yellow. Antennae 11-jointed, scape long and slender; pedicel one-half longer than wide; 1st funicle joint as wide as pedicel, but a little shorter; 2—4 gradually shortening, the 4th as wide as long; club 5-jointed, not compact; joints 1—4 scarcely wider than long, 3rd the widest.

Hab.: Suva, Fiji. Described from one ♀ caught with the preceding species.

Type: Queensland Museum, Brisbane, Hy 2057, a ♀ on a slide.

Note. The proofs have been read by me.

Strand.

## Four new Proctotrypoid Egg-parasites of Sugar Cane Insects in Java.

By

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Among a collection of egg-parasites received from Mr. P. van der Goot, Entomologist at the Javan Sugar Experiment Station, Pasoeroean, Java, were several species of *Scelionidae*, of which four are apparently new to science, and are described here-with.

The magnification used was  $\frac{2}{3}$  inch objective, 1 inch optic, Bausch and Lomb.

Family **SCELIONIDAE**.

Subfamily **Scelioninae**.

Genus **Hadronotus** Foerster.

**Hadronotus javensis** sp. nov.

♀ Length, 1.50 mm.

Coal black; legs (except coxae, and apical joint of tarsi), and antennal scape bright golden yellow; pedicel and succeeding four antennal joints yellow somewhat dusky.

Head a little wider than the thorax; eyes almost bare. Thorax stout, nearly as wide as long; mesonotum without furrows; scutellum large, semicircular, its caudal margin rimmed; metathorax short, unarmed. Abdomen a little wider but no longer than the thorax; as wide as long; 1st segment slightly longer than the 2nd. Head and thorax reticulately rugulose; 1st abdominal segment striate,

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rest of abdomen longitudinally rugulose. Body with whitish pubescence. Forewings reaching beyond apex of abdomen; broad; hyaline; marginal cilia short; discal cilia not fine, dense; submarginal vein not curving downwards before attaining the costa about middle of wing; marginal vein very short; stigmal vein moderately long and oblique; postmarginal vein twice as long as the stigmal; venation lemon yellow, rather indistinct. Antennae 12-jointed; scape long and slender, as long as next four joints combined; pedicel twice as long as wide; 1st funicle joint a little shorter and narrower than pedicel, twice as long as wide; 2nd slightly longer than wide, 3rd wider than long; club 7-jointed, joints 1—6 distinctly wider than long; 2nd the longest and widest.

Hab.: Java (Pasoeroean). Described from eight females in a tube labelled "From moth eggs, on leaves of sugar cane, Pasoeroean, Java, 13. VII. 13". The tube contained several eggs from which the parasites had emerged; the eggs appear similar to Pentatomid eggs.

Types: In the Queensland Museum, Brisbane, Hy 2058, 2 ♀s on a tag, head, antennae and forewings on a slide.

This species somewhat resembles the North Queensland species, *nigriclavatus* Dodd, and *nigricoxa* Dodd.

Subfamily **Telenominae**.Genus **Telenomus** Haliday.1. *Telenomus javensis* sp. nov.

♀ Length, 0.90 mm.

Coal black; femora dark brown; tibiae brownish yellow; tarsi bright yellow.

Head slightly wider than the thorax; eyes slightly pubescent. Thorax scarcely longer than wide, with fine, polygonal sculpture, and fine pubescence. Abdomen no wider, and scarcely longer than the thorax, its apex truncate; 1st segment short, 2nd occupying most of surface; 1st and base of 2nd segment striate, rest smooth. Forewings reaching well beyond apex of abdomen; not very broad; hyaline; marginal cilia rather long; discal cilia fine and dense; submarginal vein attaining costa about middle of wing; marginal vein one-half as long as the stigmal, which is not long; postmarginal vein fully twice as long as the stigmal; venation yellowish. Antennae 11-jointed; scape equal to next five joints combined; pedicel scarcely twice as long as wide; 1st funicle joint much shorter but scarcely narrower than pedicel, slightly longer than wide, 2—4 subequal, wider than long; club-5-jointed, 1st joint small, 1—4 distinctly wider than long, 3rd slightly the widest.

Hab.: Java (Modjorangoeng). Described from numerous females labelled "From eggs of unknown moth on sugar cane, Modjorangoeng, Java, 16. IX. 13".

Types: In the Queensland Museum, Brisbane, Hy 2060, a ♀ on a tag, a ♀ on a slide.

2. *Telenomus vandergooti* sp. nov.

♀ Length, 0.85 mm.

Like the preceding species but the thorax and abdomen are more slender, both distinctly longer than wide, the latter is not so truncate at apex; all the legs and antennal scape bright golden yellow; pedicel and funicle joints dusky yellow; funicle joints 2—4 not subequal but gradually shortening, the 1st one-half longer than wide; forewings not so broad.

Hab.: Java (Modjorangoeng). Described from one female labelled as in the preceding.

Type: In the Queensland Museum, Brisbane, Hy 2061, a ♀ on a slide, with the slide type of *javensis*.

The species is named in honor of its discoverer.

3. *Telenomus spodopterae* sp. nov.

♀ Length, 0.60 mm.

Very similar to *javensis* but the abdomen is not so truncate; the funicle joints are much narrower than the pedicel, and very small; the tibiae are darker; the forewings are narrower, very narrow for the genus, the longest marginal cilia equal to fully one-half the greatest wing width.

Hab.: Java (Krebet). Described from four females labelled "From eggs of a moth, *Spodoptera* sp.?, on leaves of sugar beet, Krebet, Java, 23. VII. 13".

Types: In the Queensland Museum, Brisbane, Hy 2062, four ♀s on a slide.

Genus *Phanurus* Thomson.*Phanurus beneficiens* Zehntner.

In a tube labelled "From eggs of *Grapholita schistaceana*, a moth-borer of sugar cane, Pasoeroean, Java, 15. IX. 13", and containing many Trichogrammatids, was a female of this species.

Note. The proofs have been read by me.

Strand.

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