

**A Note on the Genus *Procleomenes* GRESSITT et RONDON  
(Cerambycinae, Cerambycidae)**

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*Procleomenes* 属について

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*Procleomenes* is a small genus distributed in South-East Asia, hitherto contained only two species, *P. elongatithorax* from Laos and *P. bialbofasciatus* from West Malaysia respectively. Recently, however, I had a chance to examine five species of this genus collected in South-East Asia. Specimens from Thailand are identified *P. elongatithorax*. Specimens from West Malaysia consist of three species, namely, *P. bialbofasciatus*, and the other two are new to science. Taiwan's one is also new species.

All holotypes treated in this paper are deposited in the National Science Museum Tokyo, and paratypes are preserved by each collector.

**Tribe Cleomenini LACORDAIRE, 1869**

**Genus *Procleomenes* GRESSITT et RONDON**

*Procleomenes* GRESSITT & RONDON, 1970, Pacif. Ins. Monogr., 24: 309 (type-species: *P. elongatithorax* G. & R., 1970)

Elongate and slender. Integument shiny, dark reddish brown to black, decorated with pale markings on elytra. Vertex more or less concave. Antennal middle segments each with several long erect hairs internally. Prothorax distinctly longer than broad, with a pair of lateral tubercles at basal 1/3, and with the other 5 tubercles on disc, the latter tubercles of which are traced just as the 5 pips on a die. Elytra narrowed near middle and then slightly broadened posteriorly, not reaching abdominal apex. Fore coxal cavities closed behind, and mid coxal cavities narrowly opened externally. Femora strongly pedunculate and clavate. Tegmen of male genitalia not divided into a pair of lobes.

**Key to the species**

1. Elytral apices emarginate or truncate, at least not completely rounded..... 2
- Elytral apices completely rounded; elytral middle portion with a peculiar dark brown X-shaped marking which is interrupted just behind crossing (West Malaysia) ..... *glabrescens* sp. nov.
2. Elytra with 2 or 3 light yellow bands..... 3
- Elytra generally light yellow, with several pairs of dark brown spots and apical broad band; elytral apices weakly

- emarginate (Taiwan) ..... *robustius* sp. nov.
3. Frons distinctly broader than long; elytra with 3 light yellow bands ..... 4  
 — Frons a little broader than long; elytra with 2 light yellow bands; elytral apices narrowly truncate (West Malaysia) ..... *bialbofasciatus*
4. Elytra with 1st light yellow band almost reaching basal margin; elytral apices strongly emarginate; basal halves of fore femora pale yellow (Laos, Thailand) ..... *elongatithorax*  
 — Elytra with 1st light yellow band distantly separated from basal margin; elytral apices weakly emarginate; basal halves of fore femora dark reddish brown (West Malaysia) ..... *shimomurai* sp. nov.

***Procleomenes elongatithorax* GRESSITT et RONDON**

*Procleomenes elongatithorax* GRESSITT & RONDON, 1970, Pacif. Ins. Monogr., 24: 309, fig. 48-f.

Male genitalia: Median lobe about 1.9 times as long as tegmen; sides subparallel, weakly broadened at apical 2/7; apex rounded; basal orifice a little elongated. Apex of tegmen weakly emarginate, sparsely clothed with setae.

Female: Differs from male by the following points: body more or less broadened, relatively weakly punctate; antennae shorter, nearly as long as body; abdomen evenly and sparsely clothed with semilong hairs, with 5th sternite roundly truncate at apex.

Materials examined: 1 ♂, Meo-Village, near Chiangmai, Thailand, 25 May 1978, K. & H. AKIYAMA leg.; 1 ♀, Doi-Sutep, near Chiangmai, 28 April 1980, K. KINUGASA leg.

Length: 7.4 mm (male), 7.8 mm (female)

Width: 1.2 mm (male), 1.5 mm (female)

Distribution: Laos (Vientian Prov.), Thailand (near Chiangmai).

Notes: Elytral color pattern of this species is similar to *P. shimomurai* sp. nov., distributed in West Malaysia, but the former species is easily distinguished from the latter by the following points: first elytral band pale yellow instead of blackish brown; elytral apices strongly emarginate; basal halves of femora pale yellow, etc.

The examined specimens are fairly larger than the typical one (male; L: 4.6 mm, W: 0.8 mm), but the other characters almost correspond to the original description.

This is the first record from Thailand.

***Procleomenes bialbofasciatus* HAYASHI**

*Procleomenes bialbofasciatus* HAYASHI, 1979, Bull. Osaka Jonan Women's Jr. College, 13: 32.

Male genitalia: Median lobe about 2 times as long as tegmen, flattened, weakly curved ventrally at apical 1/4; sides almost parallel, broadened at apical 1/4; apex rounded; basal orifice not elongated. Apex of tegmen sparsely clothed with short setae.

Female: Differs from male in external view by the following points: antennae shorter,

barely reaching elytral apices at apical 1/3 of 9th segments; abdomen dark yellowish brown instead of pitchy black, evenly clothed with semilong hairs, rounded at apex.

Materials examined: 2 ♂♂, Tanah-Rata, Cameron-Highlands, Pahang, Malaysia, 16 March 1976, T. SHIMOMURA leg.; 2 ♀♀, Fraser's-Hill, Pahang, 28 March 1977, T. MIZUNUMA leg.

Length: 4.7-5.1 mm (male), 5.3-6.6 mm (female)

Width: 0.9-1.1 mm (male), 1.1-1.3 mm (female)

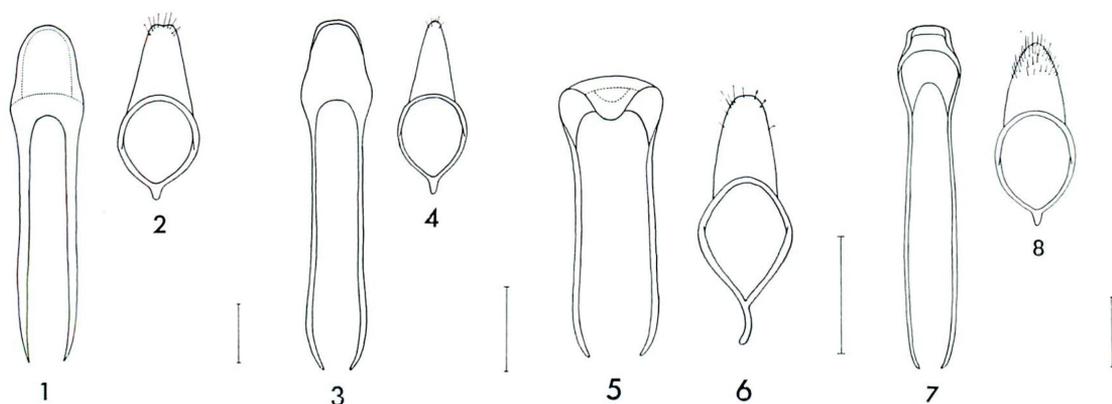
Distribution: West Malaysia (Cameron-Highlands, Fraser's-Hill).

Notes: This species somewhat resembles to *P. elongatithorax* GRESSITT et RONDON, but differs from the latter in having more rounded body, two pale bands on elytra instead of three, and almost rounded elytral apices, etc.

### ***Procleomenes shimomurai* sp. nov.**

Male. Elongate, slender and relatively small. Body dark reddish brown to black; dorsal dark portions with faint metallic green tint. Head black, with mouth-parts excepting mandibular tips reddish brown. Antennae dark reddish brown, slightly more reddish on each base of middle segments. Prothorax black, with lateral tubercles and basal margin brownish. Scutellum dark reddish brown. Elytra translucent, largely blackish brown, with 3 light yellow semioblique transverse bands, 1st one near base, 2nd one just before middle and another one just behind middle, these three bands almost reaching both of lateral and sutural lines. Meso and metathoraces, and abdomen dark reddish brown. Legs dark reddish brown, with basal halves of mid and hind femora, and basal 2 segments of hind tarsi pale yellow.

Head a little broader than prothorax; frons about 1.8 times as broad as long, with a median shallow groove; surface coarsely and sparsely punctate; each puncture bearing a semilong erect pale yellow hair, which is becoming long near mouth-parts and below eye-lobes but short on frons. Antennae reaching elytral apices at apices of 8th segments, moderately clothed with pale yellow pubescence, with 2nd to 6th segments with several long erect dark reddish brown hairs internally (especially longer on apical parts of 3rd and 4th); scapes subconical, sparsely punctate; 2nd impunctate, the remainder weakly and densely granulose-punctate; relative lengths of segments as follows: 1.9: 0.4: 1.1: 2.0: 2.6: 2.6: 2.5: 2.3: 2.1: 1.9: 1.9. Pronotum a little more than 2 times as long as wide; tubercles at sides and on disc relatively obtuse; surface coarsely and sparsely punctate; each puncture bearing a semilong erect pale yellow hair. Scutellum densely clothed with pale yellow pubescence. Elytra about 2.6 times as long as humeral width, reaching base of 4th abdominal sternite; apices truncate, with external angles weakly denticiformed; disc ovally impressed at base near suture, coarsely, sparsely and weakly punctate; each puncture bearing a semilong erect pale yellow hair. Meso- and metathoraces, and abdomen smooth



**Figs. 1-8. Male genitalia of *Procleomenes* spp.**—1. *P. elongatithorax*, median lobe (dorsal view), 2. ditto, tegmen (dorsal view), 3. *P. bialbofasciatus*, median lobe (dorsal view), 4. ditto, tegmen (dorsal view), 5. *P. shimomurai* sp. nov., median lobe (ventral view), 6. ditto, tegmen (dorsal view), 7. *P. robustius* sp. nov., median lobe (dorsal view), 8. ditto, tegmen (dorsal view). Scale: 0.25 mm

and sparsely scattered with short pale yellow hairs, though mesothorax and basal part of metasternum densely covered with short pubescence, and also 4 th and 5 th abdominal sternites relatively densely with short hairs; 5 th abdominal sternite transversely truncate at apex. Legs fairly densely clothed with semilong pale yellow hairs; tarsi densely pubescent.

Length: 3.8-4.6 mm                      width: 0.8-0.9 mm

Male genitalia: Median lobe relatively short, a little longer than tegmen, almost parallelsided on median struts, strongly turned to ventral side at apical part, narrowly and roundly truncate at apex; basal orifice not elongated. Apex of tegmen obtusely rounded, clothed with sparse short setae.

Female: Antennae a little shorter than in male, barely reaching elytral apices at middles of 9 th segments; prosternum weakly punctate; 4 th and 5 th abdominal sternites not so hairy, roundly truncate at apex.

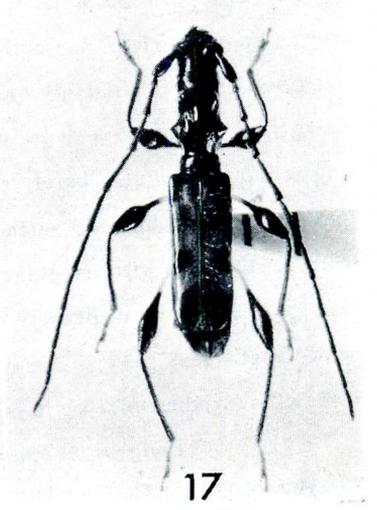
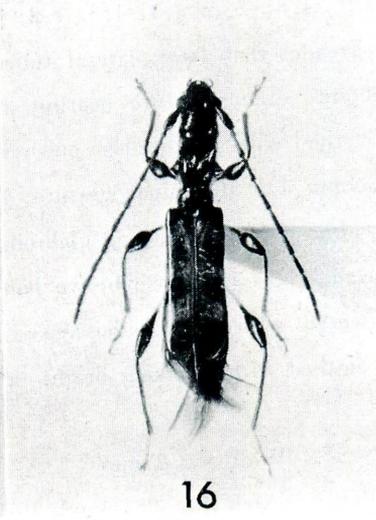
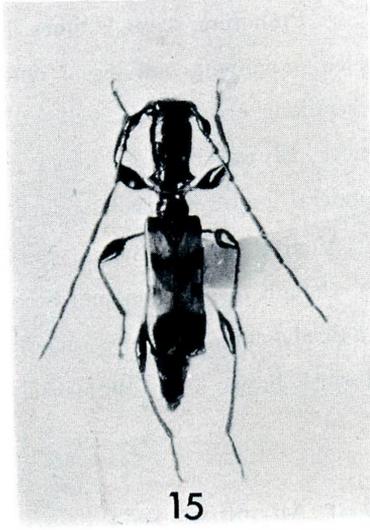
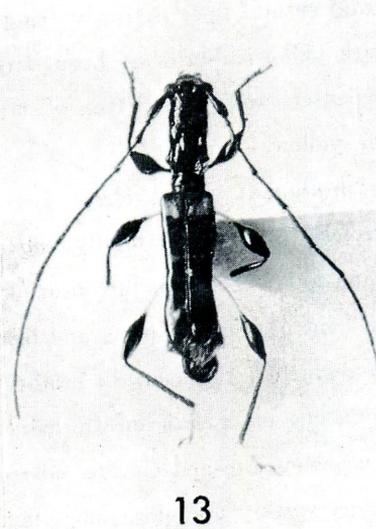
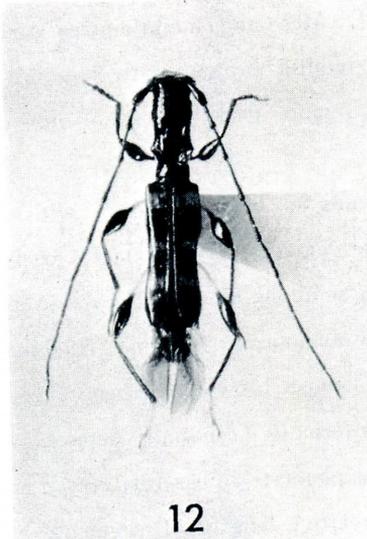
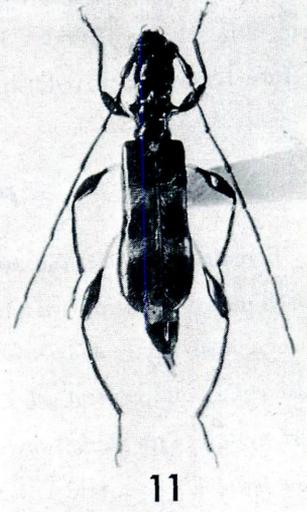
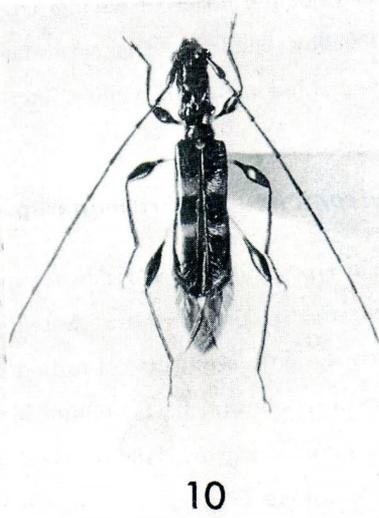
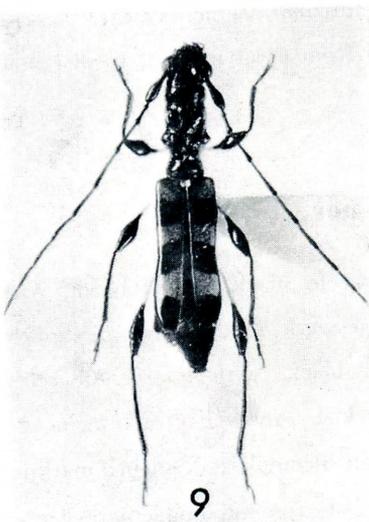
Length: 4.3-5.6 mm                      Width: 0.8-0.9 mm

Variation: Elytral pale bands often becoming broader or narrower, and the 3 rd one sometimes disappeared.

Type-series. Holotype, ♂, Tanah-Rata, Cameron-Highlands, Pahang, Malaysia, 16 March 1976, T. SHIMOMURA leg. Paratypes: same locality as the holotype: 2 ♀♀, 6-10 March 1976, W. SUZUKI leg.; 4 ♂♂ 1 ♀, 16 March 1976, T. SHIMOMURA leg., 3 ♂♂ 1 ♀, 19 March 1976, K. SAKAI & T. SHIMOMURA leg.

Notes: This new species is similar to *P. elongatithorax* GRESSITT et RONDON distributed

**Explanation of p. 11: Figs. 9-17. *Procleomenes* spp.** —9. *P. elongatithorax*, female; 10. *P. bialbofasciatus*, male; 11. ditto, female; 12. *P. shimomurai* sp. nov., male (holotype); 13. ditto, male (black form); 14. ditto, female; 15. *P. glabrescens* sp. nov., female (holotype); 16. *P. robustius* sp. nov., female (holotype); 17. ditto, male.



in Laos and Thailand, but differs from the latter in having 1st antennal segments clearly shorter than 6th, elytra with 1st light yellow band distantly separated from basal margin, basal halves of fore femora dark reddish brown, hind tarsi pale yellow, etc.

***Procleomenes glabrescens* sp. nov.**

Female. Slender and small in size. Body dark reddish brown to black. Head black, with mouth-parts excepting mandibular tips reddish brown. Antennae dark reddish brown, slightly more reddish on each base of 4th to 6th segments. Prothorax black, with lateral tubercles, basal collar and ventral sides more or less brownish. Scutellum blackish brown. Elytra translucent, light yellow with dark brown markings, a narrow band on base, an incomplete X-shaped marking from basal 1/4 to apical 1/3, the X-making is interrupted just behind crossing, and enlarged area on apical 1/4, and also lateral and sutural lines narrowly fringed. Meso- and metathoraces dark reddish brown, and abdomen dark yellowish brown. Legs dark reddish brown, with meso- and metacoxae, meso- and metatorchanters and basal halves of mid femora dark yellowish brown, basal halves of hind femora pale yellow.

Head a little broader than prothorax; frons about 1.4 times as broad as long, with a median shallow groove; eyes strongly prominent laterally; surface very sparsely punctate, closely and coarsely on frons, rugosely on gula; each puncture bearing a semilong erect bright yellowish brown hairs, which is becoming long near mouth-parts and below eyelobes. Antennae reaching elytral apices at apices of 10th segments, clothed with bright yellowish brown pubescence, 2nd to 6th segments each with 1 or 2 long erect dark brown hairs internally (especially longer on 3rd to 5th); scapes more or less pedunculate and clavate, coarsely punctate on basal halves; 2nd segments impunctate, the remainder weakly granulose-punctate; relative lengths of segments as follows: 2.4: 0.4: 0.9: 1.9: 2.0: 1.8: 1.7: 1.1: 1.3: 1.2: 1.4. Pronotum about 2 times as long as apex which is distinctly broader than base; lateral tubercles prominent and discal ones indistinct; surface coarsely punctate; each puncture bearing a semilong erect bright yellowish brown hair. Scutellum densely clothed with pale yellow pubescence. Elytra about 2.7 times as long as humeral width, barely reaching 4th abdominal sternite; humeral angles somewhat ridged; apex separately rounded; surface almost impunctate and glabrous. Ventral surface smooth, very sparsely scattered with irregular-sized bright yellowish brown hairs, though mesothorax and basal part of metasternum densely covered with short pubescence; 5th abdominal sternite roundly truncate at apex. Legs sparsely clothed with semilong bright yellowish brown hairs, and densely with yellow pubescence on tarsi.

Length: 4.7 mm                      Width: 0.85 mm

Holotype, ♀, Fraser's-Hill, Pahang, Malaysia, 28 March 1977, T. MIZUNUMA leg.

Notes: This new species resembles to *P. shimomurai* sp. nov. at first sight, but differs from the latter in having a peculiar X-shaped dark marking on elytra, completely rounded elytral apices, dark yellowish brown abdomen and mid femora, etc.

***Procleomenes robustius* sp. nov.**

*Procleomenes* sp.: J. ITO, 1979, Gekkan-Mushi, (96): 23, fig. 7.

Female. Relatively robust and moderate in size. Body dark reddish brown to black with faint metallic green tint. Head black, with mouth-parts excepting mandibular tips reddish brown. Antennae dark reddish brown, 2nd and basal 2/3 of 3rd segments more reddish. Prothorax black, with lateral tubercles and basal margin slightly brownish. Scutellum dark reddish brown. Elytra translucent, light yellow; each elytron with dark brown to dark yellowish brown markings as following manner: 1) a humeral spot invadated along epipleuron; 2) 2 oblong spots on basal 1/3, the external one of which is arrived to lateral margin; 3) a transverse incomplete band at apical 1/3, which is not reaching sutural line; 4) enlarged area on apical 1/4; 5) narrow fringes on base, and laterals and sutural lines. Ventral sides dark reddish brown. Legs dark reddish brown; basal halves of mid and hind femora pale yellow; every tarsi yellowish brown.

Head narrower than prothorax; frons about 1.3 times as broad as long, with a median shallow groove; surface coarsely and irregularly punctate, very sparsely on neck, densely and rugosely on frons; each puncture bearing a semilong erect pale yellow hair, which is becoming long near mouth-parts and below eyelobes but short on frons. Antennae barely reaching apical 1/4 of elytra, moderately clothed with pale yellow pubescence excepting 1st and 2nd segments which are clothed with sparse semilong erect hairs, and also with 3rd to 8th segments scattered with several long erect reddish brown hairs (especially longer on each apical part of 3rd to 5th); scapes semi-spindleshaped, coarsely and somewhat densely punctate; 2nd segments sparsely punctate, the remainder weakly and densely granulose-punctate; relative lengths of segments as follows: 2.5: 0.7: 1.9: 2.1: 2.6: 2.1: 1.9: 1.9: 1.6: 1.6: 1.6. Pronotum about 2 times as long as apex, which is nearly as wide as base; lateral tubercles obtusely pointed, but discal ones are indistinct; surface coarsely and irregularly punctate; each puncture bearing a semilong erect pale yellow hair. Scutellum densely clothed with pale yellow pubescence. Elytra about 2.6 times as long as humeral width, reaching last abdominal sternite; apex weakly emarginate; disc triangularly impressed at base near suture, coarsely and sparsely punctate; each puncture bearing a semilong erect pale yellow hair. Ventral surface smooth, and sparsely scattered with semilong pale yellow hairs, though mesothorax and basal part of metasternum are densely clothed with short pubescence; apex of abdomen roundly truncate. Legs fairly densely clothed with pale yellow hairs; tarsi densely with yellow pubescence.

Length: 5.2-8.0mm      Width: 1.1-1.5mm

Male: Color more blackish in general. Antennae longer than in female, about 1.2 times as long as body. Abdomen blackish brown to black, excepting yellowish brown 5th sternite; surface clothed with sparse semilong hairs, though 4th and 5th sternites are rather densely clothed; apex transversely truncate.

Length: 5.0-6.9mm      Width: 1.0-1.2mm

Male genitalia: Median lobe a little less than 2 times as long as tegmen; sides subparallel on median struts, weakly constricted just behind apex; apex transversely truncate; basal orifice a little elongated. Tegmen plump; apex obtusely projected, relatively densely clothed with setae.

Type-series. Holotype, ♀, Lienhwachih, Yuchih, Nantou Hsien, Taiwan, 15 March 1980, T. NIISATO leg. Paratypes: same locality as the holotype: 1 ♀, 17 March 1978, J. ITO leg.; 2 ♀♀, 14-16 March 1980, T. SHIMOMURA leg.; 1 ♂ 1 ♀, 20-23 March 1980, S. INOKAWA leg.; 1 ♂, 24 March 1981, K. IKEDA leg.

Notes: This new species somewhat resembles to *P. elongatithorax* GRESSITT et RONDON, but differs from the latter in having largely light yellow elytra lacking bands, almost yellow tarsi, etc.

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### 摘 要

*Procleomenes* 属はこれまでラオスから記載された本属の模式種である *P. elongatithorax* 並びに西マレーシアから最近発見された *P. bialbofasciatus* の2種が知られているに過ぎなかったが、今回台湾、タイ、西マレーシアの各地域で採集された若干の本属の標本を検査する機会に恵まれ、上記2既知種に3新種を加えた計5種を確認することができた。本属5種は次のようである。

1) *P. elongatithorax* GRESSITT et RONDON 本属の模式種。♀の記録は今回が初めてであり、またタ

イからは初記録である。分布：ラオス、タイ。

2) *P. bialbofasciatus* HAYASHI ♀は初記録。分布：マレーシア（西部）。

3) *P. shimomurai* NIISATO, sp. nov. 新種。分布：マレーシア（西部）。

4) *P. glabrescens* NIISATO, sp. nov. 新種。分布：マレーシア（西部）。

5) *P. robustius* NIISATO, sp. nov. 新種。分布：台湾。