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NOTES ON THE CHRYSOMELIDAE FROM TAIWAN V*†

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Subfamily Alticinae II

Schenklingia sasajii n. sp.

Body above deep yellowish brown, shining; antennae reddish brown, with seventh to tenth blackish and eleventh brownish; pronotum with a pair of anterior and a pair of basal blackish markings; elytra with six pairs of blackish markings (2.2.2), viz., basi-sutural, humeral, postero-median, latero-median, apico-sutural markings, and basi-sutural and apico-sutural markings united with other side of same markings on sutural margin respectively; ventral surface reddish brown with interior portion of metasternum and most portion of metepisternum blackish; legs almost entirely reddish brown.

Vertex smooth, convex; frontal tubercles very slightly raised, their anterior borders well separated by a distinct furrow but posterior borders not well separated from behind; inter-antennal space narrow and longitudinally raised, clypeus triangularly elevated and its anterior margin with a few pubescence. Antennae slightly shorter than half length of body, first joint longest, slightly club-shaped, and subequal to length of three following joints combined; second slightly shorter than half length of first and much slenderer; third short, slightly shorter than 3/4 as long as second and much slenderer; fourth short, nearly 2/3 as long as third; fifth and sixth subequal to each other, shortest, distinctly

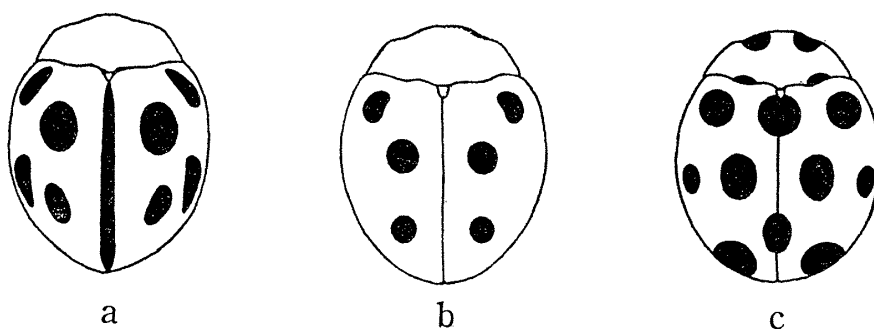


Fig. 1. a, *Schenklingia miwai* (Chûjô); b, *S. sauteri* (Chen);
c, *S. sasajii* n. sp.

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† Part 1, 1967, Kontyû 35(4): 368-374; Part 2, 1969, Esakia 7: 1-68; Part 3, 1970, Kontyû 38(2): 176-183; Part 4, 1970, ibid. 38(3): 205-221.

shorter than fourth; seventh nearly twice as long as sixth and much robuster; eighth to tenth subequal to seventh in length but gradually widened towards apical joints; eleventh longer than tenth and its apex pointed. Pronotum transverse, almost twice as wide as long, anterior margin almost straight, sides slightly rounded and narrowed anteriorly, anterior angles thickened, basal margin produced posteriorly and rounded at middle, and bisinuate on either side of median lobe; surface convex, finely and sparsely punctate. Scutellum small, surface impunctate. Elytra strongly convex, broader than pronotum at base, each elytron with eleven rows of punctate-striae, including a short scutellar and an extero-marginal rows, interstices of striae with a few scattered punctures.

Length: 2.5 mm.

Holotype: Sungkang, Nantou Hsien (16. vii. 1966, H. Kamiya leg.).

This new species resembles *S. sauteri* Chûjô, but differs from it in having the size of insect shorter, and pronotum with two pairs and elytra with six pairs (2·2·2) of blackish markings.

Distribution: Taiwan.

***Schenklingia saigusai* n. sp.**

Body above deep yellowish brown, shining; antennae reddish brown, with seventh to tenth joints blackish and eleventh brownish; pronotum with a pair of blackish markings on anterior portion, but in a specimen before me an additional pair of small blackish markings on antero-lateral portion; elytra with five pairs of blackish markings (2·2·1), viz., subbasal, humeral, medio-sutural, median and subapical markings; medio-sutural smallest and united with other side of marking on sutural margin, but in a specimen before me medio-sutural lacking; ventral surface and legs entirely deep yellowish brown.

Vertex smooth, shining, convex, frontal tubercles invisible, anterior margin of frons separated by a distinct furrow; inter-antennal space narrow and longitudinally costate, clypeus triangularly elevated and its anterior margin with a few pubescence. Antennae slightly shorter than half length of body, first joint longest, slightly club-shaped, and subequal to length of three following joints combined; second almost $\frac{1}{3}$ as long as first and much slenderer; third nearly as long as second but much slenderer; fourth nearly $\frac{3}{4}$ as long as third; fifth and

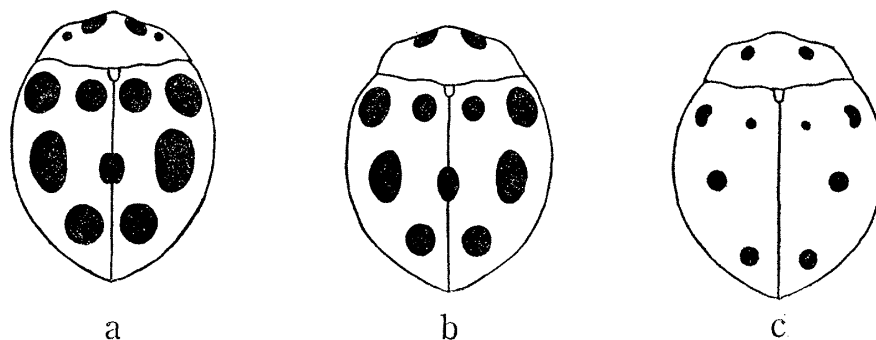


Fig. 2. a-c, *Schenklingia saigusai* n. sp.

sixth subequal to each other in length, shortest, nearly $3/4$ as long as fourth; seventh slightly shorter than twice as long as sixth and much robuster, eighth to tenth subequal to seventh in length but gradually widened towards apical joint, eleventh longer than tenth and its apex pointed. Pronotum transverse, almost twice as wide as long, anterior margin almost straight, sides slightly rounded and narrowed anteriorly, anterior angles thickened, basal margin produced posteriorly and rounded at middle, and bisinuate on either side of this median lobe; surface convex, finely and sparsely punctured. Scutellum small, surface impunctate. Elytra strongly convex, broader than pronotum at base, each elytron with eleven rows of punctate-striae, including a short scutellar and an extero-marginal ones, interstices of striae with a few scattered punctures.

Length: 2.2-2.3 mm.

Holotype: Fenchihu, Chiayi Hsien (12. iv. 1965, T. Saigusa leg.).

Paratopotypes: 5 exs., same as the holotype.

Paratypes: Fenchihu, Chiayi Hsien (1 ex., 7. vii. 1965, Y. Kurosawa leg.). Kuantzuling, Tainan Hsien (1 ex., 6. iv. 1965, T. Saigusa leg.).

This new species resembles *S. sasajii* Kimoto, but differs from it in having the punctures consisting of the elytral punctate-striae stronger and elytra with five pairs (2·2·1) of blackish markings.

Distribution: Taiwan.

Schenklingia ornatipennis (Chen, 1933)

Penpuchi, Nantou Hsien (3 exs., 13. vii. 1966, H. Kamiya leg.).

This species is here recorded for the first time from Taiwan.

Distribution: SW. China, Taiwan.

Agropus formosanus Chûjô, 1936

Puli (=Hori), Nantou Hsien (1 ex., 7. v. 1934, J. L. Gressitt leg.).

Fenchihu, Chiayi Hsien (1 ex., 13. vii. 1964, S. Asahina leg.; 1 ex., 7. vii. 1965, T. Nakane leg.).

Distribution: Taiwan.

Argopus chiui n. sp.

Head, pronotum, scutellum and antennae shining black; elytra yellowish brown, with basal $1/3$ shining black together with basal $2/3$ of latero-marginal areas; usually meso- and metathorax almost entirely blackish but in some specimens brownish in various degrees; abdomen entirely yellowish brown; legs shining black with posterior femora ochraceous.

Head with vertex, smooth, shining, impunctate; frontal tubercles distinct, large, oblique, subquadrate, separated to each other and limited from behind by a deep groove; inter-antennal space elevated, clypeus granulate, yellowish pubescent, anterior margin slightly emarginate at middle. Antennae slender, a little longer than half length of body, first to third joints sparsely and fourth to eleventh joints closely covered with fine hairs; first joint very robust, club-shaped,

second smallest, almost $2/5$ as long as first; third $1\frac{1}{2}$ times as long as second; fourth slender, nearly twice as long as third; fifth nearly $6/7$ as long as fourth; sixth slightly shorter than fifth; sixth to tenth subequal to each other in length and shape; eleventh $1\frac{2}{5}$ times as long as tenth and its apex pointed. Pronotum transverse, nearly twice as wide as long, sides rounded, widest slightly before basal margin and anterior margin straight at middle and rounded at sides, basal margin rounded posteriorly and produced at middle, anterior angles thickened; surface convex, finely punctate. Scutellum triangular, rounded at apex, surface impunctate. Elytra strongly convex, surface distinctly punctate, punctures partially arranged in longitudinal rows, humeri slightly raised.

Length: 4.0–5.0 mm.

Holotype: Alishan, Chiayi Hsien (6. vii. 1965, S. Kimoto leg.).

Paratypes: Sungkang, Nantou Hsien (1 ex., 31. v. 1965, T. Shirôzu leg.). Sungkang—Tsifeng, Nantou Hsien (1 ex., 29. vi. 1965, Y. Kurosawa leg.). Alishan, Chiayi Hsien (1 ex., 5. vii. 1965, Y. Kurosawa leg.; 1 ex., 6. vii. 1965, T. Nakane leg.; 1 ex., 6. vii. 1965, Y.-I. Chu leg.). Taataka Pass (=Vicinity of Taataka-anbu), Chiayi Hsien (1 ex., 3. iv. 1965, T. Shirôzu leg.).

This new species can be separable from the known forms of the genus in having the characteristic elytral markings. The scientific name of this new species is dedicated to Miss S. C. Chiu, Taiwan Agricultural Research Institute, Taipei.

Distribution: Taiwan.

***Sphaeroderma kondoi* Ohno, 1964**

Sungkang, Nantou Hsien (1 ex., 16. vii. 1966, H. Kamiya leg.).

Sungkan—Tsifeng, Nantou Hsien (3 exs., 29. vi. 1965, S. Kimoto leg.).

Alishan, Chiayi Hsien (5 exs., 18. viii. 1947, J. L. Gressitt leg.; 7 exs., 5. vii. 1965, 46 exs., 6. vii. 1965, S. Kimoto leg.; 8 exs., 5. vii. 1965, T. Yamasaki leg.; 5 exs., 5. vii. 1965, 7 exs., 6. vii. 1965, T. Nakane leg.; 1 ex., 5. vii. 1965, 1 ex., 6. vii. 1965, Y. Kurosawa leg.; 1 ex., 6. vii. 1965, R. Ishikawa leg.; 32 exs., 27. vii. 1966, 37 exs., 28. vii. 1966, 14 exs., 29. vii. 1966, H. Kamiya leg.).

Distribution: Taiwan.

***Sphaeroderma flavonotum* Chûjô, 1937**

Fenchihu, Chiayi Hsien (2 exs., 12. iv. 1965, T. Saigusa leg.).

Distribution: Taiwan.

***Sphaeroderma babai* Chûjô, 1963**

Yangmingshan, Taipei Hsien (4 exs., 24. viii. 1965, H. Kamiya leg.).

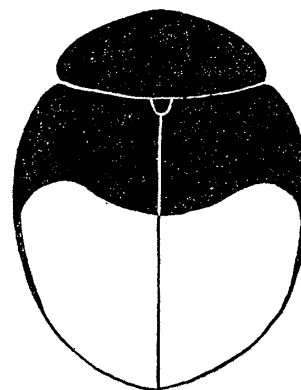


Fig. 3. *Argopus chiui* n. sp.

Taipingshan, Ilan Hsien (1 ex., 5. viii. 1967, B.-S. Chang leg.).

Sungan (=Nihonmatsu)—Peikeng (=Hokukô), Miaoli Hsien (1 ex., 10. iv. 1967, T. Shirôzu leg.).

Sungkang—Tsifeng, Nantou Hsien (1 ex., 29. vi. 1965, S. Kimoto leg.).

Fenchihu, Chiayi Hsien (1 ex., 10. iv. 1965, S. Miyamoto leg.; 1 ex., 12. iv. 1965, T. Saigusa leg.; 7 exs., 7. vii. 1965, 4 exs., 8. vii. 1965, S. Kimoto leg.; 2 exs., 8. vii. 1965, T. Nakane leg.; 2 exs., 7. vii. 1965, T. Yamasaki leg.; 1 ex., 7. vii. 1965, Y. Kurosawa leg.; 1 ex., 24. vii. 1966, H. Kamiya leg.).

Alishan, Chiayi Hsien (6 exs., 6. vii. 1965, S. Kimoto leg.; 2 exs., 5. vii. 1965, T. Nakane leg.; 1 ex., 29. vii. 1966, H. Kamiya leg.).

Kuantzuling, Tainan Hsien (1 ex., 7. iv. 1965, T. Saigusa leg.).

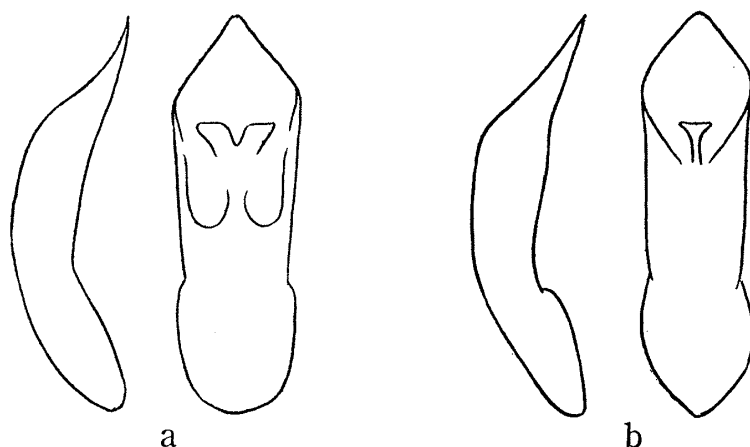


Fig. 4. Male genitaliae: a, *Sphaeroderma babai* Chûjô;
b, *S. kondoi* Ohno.

This species was described by Chûjô, from Taiwan, by a single female specimen. In the type of *S. babai* Chûjô, the coloration of the dorsal surface is characteristic, in having pronotum, scutellum and the basal half of elytra reddish and the posterior half of elytra blackish. There are 36 specimens of a small *Sphaeroderma* species before me. These are somewhat variable on the coloration of the dorsal surface, viz., 1) dorsal surface entirely reddish brown, 2) dorsal surface reddish brown with pronotum in part blackish, 3) pronotum almost entirely reddish brown and elytra black, 4) dorsal surface almost entirely blackish. These specimens are almost impossible to separate from the type of *S. babai* Chûjô, except for the coloration of the dorsal surface. However, these specimens are here treated as *S. babai* with some question.

Distribution: Taiwan.

Sphaeroderma apicale Baly, 1874

Nanshanchi, Nantou Hsien (2 exs., 12. vii. 1966, H. Kamiya leg.).

Distribution: Japan, Taiwan, China, N. Vietnam.

Sphaeroderma rubi Chûjô, 1937

Chiaoliping, Chiayi Hsien (3 exs., 13. iv. 1965, T. Saigusa leg.).

Gressitt & Kimoto (1963: Pacific Ins. Mon. 1 B: 829) recorded this species from China with some doubt, as direct comparison was not made with the type series. According to my study on the type of *S. rubi* Chûjô, preserved in the Taiwan Agricultural Research Institute, Taipei, Gressitt & Kimoto's record of this species from China is erraneous. Also, the type of *S. tibialis* Chûjô (Shinchiku, 1-30, vii. 1918, Col. J. Sonan) is labelled as *S. rubi* Chûjô and one of the cotype of *rubi* Chûjô (Taiheizan, 9. vii. 1933, Col. M. Chûjô) is labelled as *tibialis* Chûjô both by mistakes.

Distribution: Taiwan.

Sphaeroderma tibiale Chûjô, 1937

Yangmingshan, Taipei Hsien (3 exs., 25. v. 1965, Y. Miyatake leg.).

Three specimens from Yangmingshan seems to be the female of this species which was described by a single male specimen. The type of this species well agrees with these three specimens, except for the anterior tibiae not distinctly dilated terminally.

Distribution: Taiwan.

Sphaeroderma chui n. sp.

Head, pronotum and scutellum dark reddish brown to blackish brown, elytra

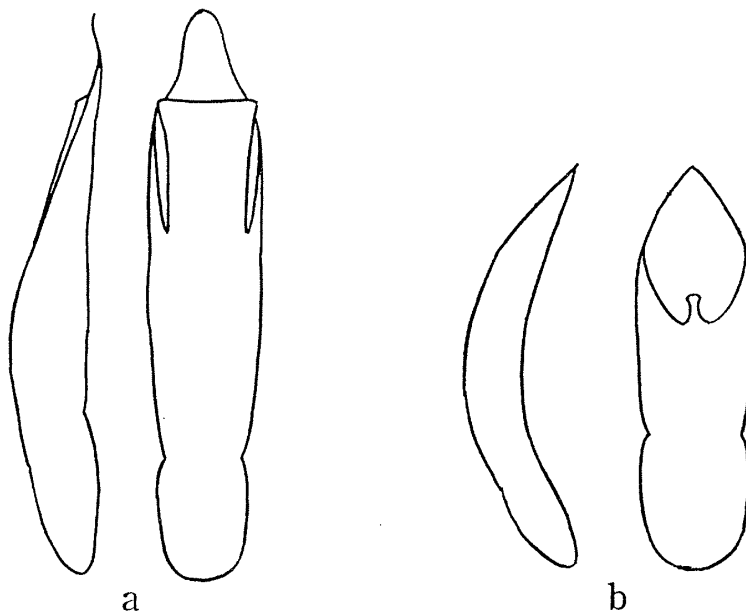


Fig. 5. Male genitaliae: a, *Sphaeroderma rubi* Chûjô;
b, *S. chui* n. sp.

blackish blue with slight greenish luster, ventral surface of meso- and metathorax and abdomen black; antennae blackish brown with basal joints paler in various degrees, legs blackish brown with anterior and posterior ones slightly paler.

Head with vertex convex, impunctate, smooth, frontal tubercles distinctly raised, their posterior borders well separated by a distinct, fairly deep furrow as well as their anterior borders; inter-antennal space narrow and longitudinally raised. Antennae slightly shorter than half length of body; first joint long, robust, club-shaped; second almost half as long as first; third shortest, nearly $4/5$ as long as second and more slender; fourth subequal to third in length and shape; fifth $1\frac{1}{2}$ times as long as fourth in length; fifth to tenth subequal to each other in length but gradually widened towards apical joints; eleventh $1\frac{2}{3}$ times as long as tenth and its apex pointed. Pronotum transverse, almost twice as wide as long, anterior margin almost straight, sides slightly rounded and narrowed anteriorly, anterior angles thickened, basal margin produced posteriorly and rounded at middle and bisinuate on either side of median lobe; surface convex, finely and sparsely punctate. Scutellum small, subtriangular, rounded at apex, surface impunctate. Elytra strongly convex, broader than pronotum at base, surface impressed by fairly large, distinct punctures which are arranged in five to six pairs of ill-defined longitudinal rows on lateral portions and not arranged in rows but confused on interior portions.

Length: 2.0-2.2 mm.

Holotype: Alishan, Chiayi Hsien (6. vii. 1965, S. Kimoto leg.).

Paratopotypes: 3 exs., same as the holotype.

Paratypes: Alishan, Chiayi Hsien (1 ex., 6. vii. 1965, R. Ishikawa leg.; 1 ex., 29. vii. 1966, H. Kamiya leg.).

This new species somewhat resembles *S. kondoi* Ohno, but differs in having the frontal tubercles distinctly separated from behind by a pair of distinct furrows and elytra bluish black.

The scientific name of this new species is dedicated to Prof. Y.-I. Chu, National Taiwan University, Taipei.

Distribution: Taiwan.

***Horia nigra* Chûjô, 1937**

Wulai, Taipei Hsien (1 ex., 25. viii. 1966, H. Kamiya leg.).

Nanshanchi, Taipei Hsien (2 exs., 8. vi. 1965, T. Shirôzu leg.).

Fenchihu, Chiayi Hsien (1 ex., 24. vii. 1966, H. Kamiya leg.).

Kenting, Pingtung Hsien (1 ex., 3. vii. 1965, S. Kimoto leg.).

Distribution: Taiwan.

***Taizonia bella* Chen, 1934**

Yangmingshan, Taipei Hsien (1 ex., 25. v. 1965, K. Morimoto leg.).

Keelung, Taipei Hsien (1 ex., vi. 1954, T.-C. Maa leg.).

Distribution: Taiwan.

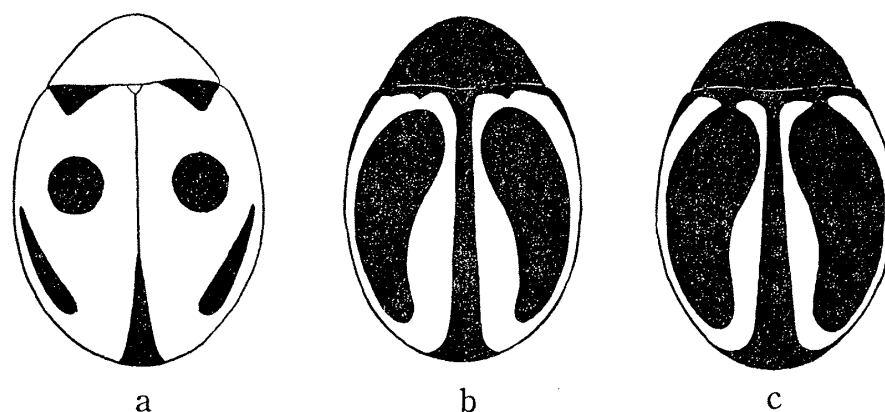


Fig. 6. a, *Taizonia bella* Chen; b-c, *T. uenoi* n. sp.

***Taizonia uenoi* n. sp.**

Hemispherical. Head, pronotum, scutellum and ventral surface pitchy brown to black; ground color of elytra yellowish brown with entire marginal areas and a pair of large markings on middle black; antennae and legs pitchy brown to black.

Vertex convex, surface smooth, finely punctate throughout, frontal tubercles indistinct; inter-antennal space wide, fully $2\frac{1}{2}$ times as broad as transverse diameter of an antennal socket; clypeus subtriangular, with its median portion smooth, shining and finely punctate, and its latero-anterior portion finely shagreened and almost impunctate; labrum with anterior margin deeply emarginate at middle. Antennae robust, nearly half as long as length of body, fourth to eleventh joints gradually becoming more dilated; first joint robust, club-shaped; second nearly half as long as first in length, third $1\frac{1}{2}$ times as long as second in length and more slender; fourth $\frac{2}{3}$ as long as third in length and subequal to second in length; fourth to tenth subequal to each other in length; eleventh $1\frac{1}{4}$ times as long as tenth and its apex broadly rounded and slightly depressed. Prothorax about half as long as broad, broadest basally and distinctly narrower than breadth of elytra at basal margin; anterior margin nearly straight at middle and briefly produced anteriorly at sides, lateral margins rounded, anterior angles broadly rounded and continuing to apical $\frac{2}{5}$ of lateral margins, posterior angles obtuse, basal margin rounded posteriorly; disc finely punctate. Scutellum distinctly broader than long, apex broadly rounded. Elytra strongly convex surface confusedly and finely punctate, elytral epipleurae very broad basally slightly narrowed at middle, continuing nearly to apex.

Length: 2.3-2.8 mm.

Holotype: Alishan, Chiayi Hsien (9. iv. 1965, Y. Hirashima leg.).

Paratopotype: 1 ex., same as the holotype.

Paratypes: Mt. Hsuehshan, 3,400-3,600 m, Taichung Hsien (3 exs., 22. vi. 1961, S. Uéno leg.). Kunyang, Nantou Hsien (1 ex., 1. vii. 1965, T. Yamasaki leg.). Alishan, Chiayi Hsien (1 ex., 27. vii. 1966, H. Kamiya leg.).

This new species resembles *T. bella* Chen, but differs from it in having the body length larger, the latero-anterior portion of clypeus shagreened, pronotum blackish and the elytral markings larger.

Distribution: Taiwan.

Genus **Taiwanohespera**, new genus

Body ovate, covered with adpressed fine hairs; frontal tubercles oval, raised, oblique; antennae robust, eleven jointed; prothorax subquadrate; pronotum without any distinct transverse groove parallel to basal margin nor any longitudinal one; elytra convex, with irregular punctures; anterior coxal cavities opened posteriorly; prosternum not visible from above; mesosternum flat in center; hind femora robust; hind tibiae slightly dilated at apex, not grooved behind, with a pair of distinct several spines at apex; 1st hind tarsal segments distinctly shorter than remainder combined; claws appendiculate.

Type species: *Taiwanohespera sasajii* Kimoto.

Gender: Feminine.

Range: Taiwan.

This new genus closely resembles the Asiatic genus *Hespera* Weise in the general structures, but differs in having the antennae more robust and the anterior coxal cavities opened posteriorly.

Taiwanohespera sasajii n. sp.

Entirely covered with fine pubescence. Body oblong, slightly widened at middle and rounded at apex. Entirely yellowish brown, in some specimens basal portion of interior margins of elytral epipleurae and margins of metasternum infuscate in various degrees.

Vertex granulate and closely covered with fine adpressed pubescence; frontal tubercles oval, slightly raised, oblique, not touching each other at middle; clypeus subtriangular, convex, smooth, shining, median portion nearly impunctate. Antennae relatively robust, nearly half as long as body length, third to tenth joints gradually becoming more dilated; first joint robust, club-shaped; second shortest, nearly $\frac{4}{5}$ as long as first; second to fourth subequal to each other in length, but third slightly slenderer than other two; fifth and sixth subequal to each other in length and slightly shorter than fourth; seventh very slightly shorter than sixth and nearly $1\frac{1}{5}$ times as long as fourth; seventh to tenth subequal to each other in length; eleventh nearly $1\frac{2}{3}$ times as long as tenth and its apex pointed. Pronotum subquadrate, transverse, $1\frac{2}{3}$ times as wide as long, anterior margin almost straight and posterior margin slightly rounded posteriorly, lateral margins slightly rounded, widest almost at middle, and slightly narrowed anteriorly and posteriorly, surface thickly covered with fine adpressed pubescence. Elytra oblong, slightly widened at middle and rounded at apex; surface convex, with a transverse depression subbasally and very closely covered with fine adpressed pubescence. Body beneath and legs rather closely covered with fine pubescence.

Length: 2.3-2.8 m.

Holotype: Tsifeng, Nantou Hsien (10. vii. 1966, H. Kamiya leg.).

Paratopotypes: 4 exs., same as the holotype.

Distribution: Taiwan.

Taiwanohespera bicolor n. sp.

Entirely covered with fine pubescence. Body oblong-oval, widened posteriorly and rounded at apex. Head and pronotum reddish brown; scutellum and elytra blackish brown; antennae reddish brown with four or five apical joints much darker; ventral surface of thorax reddish brown, with metathorax partly blackish; abdomen reddish brown with latero-basal portions of visible first segment and a pair of small markings of visible fifth segment blackish.

Vertex granulate and closely covered with fine adpressed pubescence; frontal tubercles oval, slightly raised, oblique, not touching each other at middle; clypeus subtriangular, convex, shagreened, sparsely covered with fine hairs. Antennae relatively robust, nearly half as long as body length, third to tenth joints gradually becoming more dilated; first joint robust, club-shaped; second shortest, nearly 4/5 as long as fifth, second to fourth subequal to each other in length, but third slightly slenderer than the other two; fifth and sixth subequal to each other in length and slightly shorter than fourth; seventh very slightly shorter than sixth and nearly 1 1/5 times as long as fourth; seventh to tenth subequal to each other in length; eleventh nearly 1 2/3 times as long as tenth and its apex pointed. Pronotum subquadrate, transverse, nearly twice as wide as long, anterior margin almost straight and posterior margin widely rounded posteriorly, lateral margins slightly rounded, widest almost at 1/3 from basal margin, and distinctly narrowed anteriorly and less strongly so posteriorly, surface thickly covered with fine adpressed pubescence. Elytra oblong-oval, distinctly widened posteriorly and rounded at apex; surface convex, with a pair of longitudinal shallow depressions on basi-sutural portions, and very closely covered with fine adpressed pubescence. Body beneath and legs shining, rather closely covered with fine pubescence.

Length: 3.3 mm.

Holotype: Nanshanchi, Nantou Hsien (1 ex., 12. vii. 1966, H. Kamiya leg.).

This new species resembles *T. sasajii* Kimoto but differs in having the length of body larger, the lateral margins of pronotum more strongly narrowed anteriorly, clypeus distinctly granulate and the different coloration of the dorsal surface.

Distribution: Taiwan.

Hespera lomasa Maulik, 1932

=*Hespera auripilosa* Chûjô, 1936

=*Hespera formosana* Chûjô, 1936

=*Hespera rufotibialis* Chûjô, 1936, Trans. Nat. Hist. Soc. Formosa 26: 88 (Taiwan: Musha). **New Synonymy**

=*Hespera insularis* Chûjô, *t. c.* 89 (Pescadore). **New Synonymy**

Meichi, Nantou Hsien (51 exs., 12. v. 1965, 7 exs., 13. v. 1965, 5 exs., 16. v.

1965, T. Shirôzu leg.).

Nanshanchi, Nantou Hsien (1 ex., 28. iv. 1965, 1 ex., 30. iv. 1965, T. Shirôzu leg.; 62 exs., 30. vi. 1965, S. Kimoto leg.; 4 exs., 30. vi. 1965, T. Nakane leg.; 17 exs., 12. vii. 1966, H. Kamiya leg.).

Wushe, Nantou Hsien (1 ex., 14. vi. 1961, S. Uéno leg.).

Wushe—Yushih, Nantou Hsien (5 exs., 3. v. 1965, T. Shirôzu leg.).

Distribution: India, Burma, Ceylon, Indo-China, China, Taiwan, Ryukyu Is.

***Hespera montana* Chûjô, 1936**

Nanshanchi, Nantou Hsien (4 exs., 30. vi. 1965, S. Kimoto leg.).

Wushe, Nantou Hsien (1 ex., 14. vi. 1961, S. Uéno leg.).

Distribution: Taiwan.

***Hesperomorpha antennalis* (Chûjô, 1936) New Combination (Galerucinae)**

=*Hespera antennalis* Chûjô, Trans. Nat. Hist. Soc. Formosa 26: 87 (Taiwan: Arisan).

Liming (=Reimei) in Pahsienshan (=Hassenzan), Taichung Hsien (1 ex., 13. vii. 1932, T. Esaki leg.).

Sungkang, Nantou Hsien (1 ex., 9. vi. 1965, T. Shirôzu leg.).

Sungkang—Tsifeng, Nantou Hsien (3 exs., 29. vi. 1965, Y. Kurosawa leg.; 1 ex., 29. vi. 1965, S. Itô leg.).

Fenchihu, Chiayi Hsien (1 ex., 11. iv. 1965, S. Miyamoto leg.; 1 ex., 12. iv. 1965, T. Shirôzu leg.).

According to the study on the type of this species, preserved in the Taiwan Agricultural Research Institute, Taipei, this species should be belonged to the genus *Hesperomorpha* in having the posterior femora slender, the elytral epipleurae narrow even in the basal portions and the antennae long. This is the first record of the genus *Hesperomorpha* from Taiwan.

Distribution: Taiwan.

***Luperomorpha birmanica* (Jacoby, 1892)**

=*Luperomorpha albofasciata*: Chen, 1934, Ann. Soc. Ent. Fr. 103: 184 (Taiwan: Suisharyo, Taihorinsho); Chûjô, 1937, Trans. Nat. Hist. Soc. Formosa 27: 114 (Taiwan).

=*Luperomorpha nobilis*: Chen, 1934, Ann. Soc. Ent. Fr. 103: 184 (Taiwan: Kan-kau); Chûjô, 1937, Trans. Nat. Hist. Soc. Formosa 27: 114 (Taiwan, Ryukyu Is.).

Yangmingshan, Taipei Hsien (2 exs., 24. viii. 1966, H. Kamiya leg.).

Shuangchi, Hsintien, Taipei Hsien (1 ex., 23. vi. 1965, S. Kimoto leg.).

Wulai, Taipei Hsien (1 ex., 6. vii. 1966, H. Kamiya leg.).

Pahsienshan (=Hassenzan), Taichung Hsien (1 ex., 26. vi. 1934, J. L. Gressitt leg.).

Nanshanchi, Nantou Hsien (3 exs., 30. vi. 1965, S. Kimoto leg.).

Wushe—Yushih, Nantou Hsien (2 exs., 3. v. 1965, T. Shirôzu leg.).

Fenchihu, Chiayi Hsien (1 ex., 9. vii. 1965, S. Itô leg.; 1 ex., 24. vii. 1966, H. Kamiya leg.).

Kuantzuling, Tainan Hsien (1 ex., 6. iv. 1965, S. Miyamoto leg.).

Tienhsiang, Hualien Hsien (1 ex., 16. viii. 1966, H. Kamiya leg.).

Kenting, Pingtung Hsien (1 ex., 2. vii. 1965, 1 ex., 3. vii. 1965, S. Kimoto leg.).

This species is very variable on the coloration of the dorsal surface. In the Taiwan population, the following two forms are occurring: 1) Pronotum reddish brown and elytra entirely black, 2) Pronotum reddish brown and elytra black with a pair of brownish markings on middle. Chen (1934) & Chûjô (1937) referred the former as *albofasciata* Duvivier and the latter as *nobilis* Weise.

Distribution: Taiwan, Ryukyu Is., S. China, Hainan Is., Indo-China, Burma.

***Luperomorpha saigusai* n. sp.**

Head and pronotum reddish brown; scutellum, elytra and ventral surface entirely shining black; antennae black with two or three basal joints brownish; legs entirely pitchy black.

Head with vertex smooth, shining, nearly impunctate; frontal tubercles transverse, distinctly delimited from behind and their antero-interior corners extending towards interior margin of antennal sockets, inter-antennal space raised. Antennae relatively robust, nearly $2/3$ as long as length of body; first joint relatively long, robust, club-shaped; second shortest, nearly half as long as first and slenderer; third nearly as long as second but much slenderer especially on basal portion; fourth nearly twice as long as third; fourth to tenth subequal to each other in length; eleventh $1\frac{1}{3}$ times as long as tenth and its apex pointed. Pronotum transverse, nearly $1\frac{1}{3}$ times as wide as long, anterior margin nearly straight, basal margin nearly straight at middle and rounded at sides, lateral margins rounded, widest at middle and narrowed towards anterior margin and more strongly so towards posterior margin; anterior corners feebly thickened, obtuse; posterior corners widely rounded; disc closely impressed with minute punctures throughout, without any transverse impressions at middle of disc. Scutellum subtriangular, with apex rounded, surface smooth, shining, impunctate. Elytra slightly widened posteriorly and apex rounded; in male specimen with a pair of large excavations behind humeral areas and latero-posterior portions of their excavations distinctly raised and in part closely covered with distinct hairs; surface distinctly and closely punctate.

Female: Unknown.

Length: 3.2 mm.

Holotype: Kuantzuling, Tainan Hsien (6. iv. 1965, T. Saigusa leg.).

Paratopotype: 1 ex., same as the holotype.

This new species resembles *L. collaris* (Baly) in having the surface of pronotum smooth and elytra distinctly punctate and the interstices of the punctures smooth and the similar coloration of dorsal surface, but differs from it in having the post-humeral area of elytra modified with a distinct convex area bearing a tuft of distinct hairs and a distinctly depressed area, and the head entirely reddish brown.

Distribution: Taiwan.

***Luperomorpha sasajii* n. sp.**

Head and pronotum reddish to yellowish brown; scutellum pitchy black; elytra pitchy black with a pair of brownish markings situated almost at middle and size of these markings varies considerably and in some specimens reduced as a pair of small spots; meso- and metathorax and abdomen entirely pitchy brown; antennae pitchy black with two or three basal joints brownish; anterior legs reddish brown and middle and posterior legs pitchy brown.

Head with vertex smooth, shining, sparsely impressed with minute but distinct punctures; frontal tubercles transverse, distinctly delimited from behind and their antero-interior corners extending towards interior margins of antennal sockets, inter-antennal space raised. Antennae relatively robust, nearly $2/3$ as long as length of body; first joint relatively long, robust, club-shaped; second short, nearly $1/3$ as long as first and slenderer; third very slightly shorter and slenderer than second; fourth almost $2\frac{1}{3}$ times as long as third; fourth to tenth subequal to each other in length; eleventh nearly $1\frac{1}{2}$ times as long as tenth and its apex pointed. Pronotum transverse, nearly $1\frac{1}{2}$ times as wide as long, anterior margin nearly straight, basal margin nearly straight at middle and rounded at sides, lateral margins rounded, widest at middle and narrowed towards anterior margin and more strongly so towards posterior margin; anterior corners feebly thickened, obtuse; posterior corners widely rounded; disc impressed with minute punctures throughout, without any transverse impressions at middle. Scutellum subtriangular, with apex rounded, surface smooth, shining, impunctate. Elytra slightly widened posteriorly and apex rounded; surface distinctly and closely punctate.

Length: 2.5–3.0 mm.

Holotype: Sungkang, Nantou Hsien (16. vii. 1966, H. Kamiya leg.).

Paratopotypes: 15 exs., same as the holotype.

Paratypes: Sungkang—Tsifeng, Nantou Hsien (1 ex., 29. vi. 1965, S. Kimoto leg.). Tsifeng, Nantou Hsien (1 ex., 10. vii. 1966, H. Kamiya leg.). Fenchihu, Chiayi Hsien (2 exs., 12. iv. 1965, T. Shirôzu leg.; 1 ex., 12. iv. 1965, T. Saigusa leg.; 1 ex., 25. vii. 1966, H. Kamiya leg.). Chiaoliping, Chiayi Hsien (1 ex., 13. iv. 1965, T. Saigusa leg.).

This new species resembles *L. saigusai* Kimoto, in having the surface of pronotum smooth, elytra distinctly punctate and the interstices of the punctures smooth, but differs in having the elytra with post-humeral area not modified and with a pair of brownish markings.

Distribution: Taiwan.

***Luperomorpha kurosawai* n. sp.**

Head and pronotum yellowish brown, scutellum dark brown, elytra shining black with basi-exterior and latero-basal margins brownish in male specimens, and entirely black in female specimens; antennae pitchy black with three or four basal joints brownish; legs reddish brown with apico-dorsal areas of femora

blackish; meso- and metathorax brownish to dark brown in various degrees; abdomen pitchy black.

Head with vertex obsoletely shagreened, sparsely impressed with minute punctures; frontal tubercles transverse, distinctly delimited from behind, and their antero-interior corners extending towards interior margin of antennal sockets, inter-antennal space raised. Antennae rather robust, nearly $2/3$ as long as length of body; first joint relatively long, club-shaped; second shortest, slightly longer than width; third distinctly longer than width, slightly longer than second but slightly slenderer; fourth $1\frac{1}{2}$ times as long as third; fifth very slightly longer than fourth; fifth and sixth subequal to each other in length and shape; seventh slightly longer than sixth; seventh and eighth subequal to each other in length and shape; ninth slightly shorter than eighth and subequal to sixth in length; ninth and tenth subequal to each other in length and shape; eleventh $1\frac{1}{3}$ times as long as tenth and its apex pointed. Pronotum transverse, nearly $1\frac{1}{2}$ times as wide as long, anterior margin nearly straight, basal margin nearly straight at middle and rounded at side, lateral margin rounded, widest at middle, and narrowed towards anterior margin and more strongly so towards posterior margin; anterior corners feebly thickened, obtuse; posterior corners widely rounded; disc distinctly shagreened throughout, finely and not closely punctate, a very shallow transverse furrow impressed at middle of disc. Scutellum subtriangular with apex rounded, surface impunctate, shagreened. Elytra slightly widened posteriorly and apex rounded; in male specimen with a pair of large pores furnished with a tuft of setae on post-humeral portion of exterior margin of elytral epipleurae; surface distinctly and closely punctate. In male specimen, first joint of anterior and middle legs widened.

Length: 2.5–3.0 mm.

Holotype: Sungkang, Tsifeng, Nantou Hsien (29. vi. 1965, Y. Kurosawa leg.).

Paratopotype: 1 ex., same as the holotype.

Paratypes: Tahu (=Taiko)—Sungan (=Nihonmatsu), Miaoli Hsien (2 exs., 9. iv. 1967, T. Shirôzu leg.). Sungan (=Nihonmatsu)—Peikeng (=Hokukô), Miaoli Hsien (1 ex., 10. iv. 1967, T. Shirôzu leg.). Sungkang, Nantou Hsien (1 ex., 31. v. 1965, T. Shirôzu leg.).

This new species closely resembles *L. pryeri*, *L. sakishimana* and *L. hidakai* in having the elytral surface finely granulate and strongly and closely punctate and the similar coloration of dorsal surface, but differs from them in having the elytral epipleurae strongly modified at the end of the basal $1/5$, and basal margin and basal $1/5$ of lateral margin of elytra yellowish in male specimen.

Distribution: Taiwan.

Longitarsus cyanipennis Bryant, 1924

Sungkang—Tsifeng, Nantou Hsien (9 exs., 29. vi. 1965, S. Kimoto leg.; 2 exs., 29. vi. 1965, T. Nakane leg.; 1 ex., 29. vi. 1965, R. Ishikawa leg.).

Fenchihu, Chiayi Hsien (2 exs., 12. iv. 1965, T. Shirôzu leg.; 1 ex., 12. iv. 1965, T. Saigusa leg.; 1 ex., 8. vii. 1965, R. Ishikawa leg.).

Alishan, Chiayi Hsien (6 exs., 5. vii. 1965, 6 exs., 6. vii. 1965, S. Kimoto leg.;

4 exs., 5. vii. 1965, Y. Kurosawa leg.; 2 exs., 5. vii. 1965, 1 ex., 6. vii. 1965, T. Nakane leg.; 1 ex., 5. vii. 1965, S. Itô leg.; 1 ex., 5. vii. 1965, T. Yamasaki leg.).

Kueitzuchiaio (=Kuraru), Pingtung Hsien (1 ex., 2. ix. 1921, T. Esaki leg.).

Kenting, Pingtung Hsien (11 exs., 2. iv. 1965, S. Miyamoto leg.; 9 exs., 4. iv. 1965, T. Saigusa leg.; 2 exs., 2. iv. 1965, Y. Hirashima leg.; 7 exs., 3. vii. 1965, S. Kimoto leg.; 1 ex., 3. vii. 1965, T. Nakane leg.).

Distribution: N. India, SW, China, Taiwan.

***Longitarsus flavicornis* Chûjô, 1937**

Nanshanchi, Nantou Hsien (1 ex., 30. vi. 1965, S. Kimoto leg.).

Sungkang—Tsifeng, Nantou Hsien (15 exs., 29. vi. 1965, S. Kimoto leg.; 1 ex., 29. vi. 1965, T. Nakane leg.).

Tsifeng, Nantou Hsien (1 ex., 10. vii. 1966, H. Kamiya leg.).

Shuilikeng (=Suiriko) to Namakaban, Nantou Hsien (1 ex., 30. v. 1932, J. L. Gressitt leg.).

Alishan, Chiayi Hsien (1 ex., 8. iv. 1965, T. Saigusa leg.).

Distribution: Taiwan.

***Longitarsus lewisii* (Baly, 1874)**

Yangmingshan, Taipei Hsien (1 ex., 25. v. 1965, K. Morimoto leg.; 39 exs., 24. vi. 1965, 2 exs., 26. vi. 1965, S. Kimoto leg.; 1 ex., 22. vi. 1965, T. Yamasaki leg.).

Fenchihu, Chiayi Hsien (2 exs., 7. vii. 1965, S. Kimoto leg.).

This species is here recorded for the first time from Taiwan.

Distribution: SE. China, Sachalin, Japan, Ryukyu Is., Taiwan.

***Longitarsus bimaculatus* (Baly, 1874)**

Sungkang—Tsifeng, Nantou Hsien (1 ex., 29. vi. 1965, S. Kimoto leg.).

Alishan, Chiayi Hsien (5 exs., 6. vii. 1965, S. Kimoto leg.).

Kenting, Pingtung Hsien (2 exs., 2. iv. 1965, S. Miyamoto leg.).

This species is here recorded for the first time from Taiwan.

Distribution: S. China, Japan, Ryukyu Is., Taiwan.

***Longitarsus bicoloriceps* Chûjô, 1937**

Alishan, Chiayi Hsien (4 exs., 6. vii. 1965, S. Kimoto leg.; 3 exs., 5. vii. 1965, T. Yamasaki leg.; 1 ex., 5. vii. 1965, Y. Kurosawa leg.).

Distribution: Taiwan.

***Longitarsus horni* Chen, 1934**

Yangmingshan, Taipei Hsien (4 exs., 25. v. 1965, K. Morimoto leg.; 2 exs., 24. vi. 1965, S. Kimoto leg.).

Nanshanchi, Nantou Hsien (1 ex., 30. vi. 1965, S. Kimoto leg.).

Wushe (=Musha)—Yushih (=Miharashi), Nantou Hsien (1 ex., 3. v. 1965, T. Shirôzu leg.).

Sungkang, Nantou Hsien (1 ex., 11. vi. 1965, T. Shirôzu leg.).

Sungkang—Tsifeng, Nantou Hsien (2 exs., 29. vi. 1965, S. Kimoto leg.).

Distribution: Taiwan.

Longitarsus formosanus Chûjô, 1937

Wulai, Taipei Hsien (1 ex., 25. viii. 1966, H. Kamiya leg.).

Ilan, Ilan Hsien (1 ex., 16. iv. 1965, Y. Hirashima leg.).

Pahsienshan (=Hassenzan), Taichung Hsien (2 exs., 26. vi. 1934, J. L. Gressitt leg.).

Sungkang, Nantou Hsien (1 ex., 29. vi. 1965, T. Yamasaki leg.).

Sungkang—Tsifeng, Nantou Hsien (7 exs., 29. vi. 1965, S. Kimoto leg.; 1 ex., 29. vi. 1965, T. Nakane leg.).

Fenchihu, Chiayi Hsien (18 exs., 12. iv. 1965, T. Saigusa leg.; 11 exs., 10. iv. 1965, Y. Hirashima leg.; 5 exs., 10. iv. 1965, 4 exs., 12. iv. 1965, S. Miyamoto leg.; 2 exs., 10. iv. 1965, 4 exs., 12. iv. 1965, T. Shirôzu leg.; 13 exs., 7. vii. 1965, T. Nakane leg.; 13 exs., 7. vii. 1965, 1 ex., 8. vii. 1965, S. Kimoto leg.; 1 ex., 22. 1966, 5 exs., 24. vii. 1966, H. Kamiya leg.).

5–10 km S. of Fenchihu, Chiayi Hsien (12 exs., 11. iv. 1965, Y. Hirashima leg.).

Alishan, Chiayi Hsien (1 ex., 8. ix. 1965, S. Miyamoto leg.; 17 exs., 6. vii. 1965, T. Nakane leg.; 13 exs., 6. vii. 1965, S. Kimoto leg.; 2 exs., 28. vii. 1966, H. Kamiya leg.).

Taataka Pass (=Vicinity of Taataka-anbu), Chiayi Hsien (5 exs., 3. iv. 1967, T. Shirôzu leg.).

Kuantzuling, Tainan Hsien (6 exs., 6. iv. 1965, T. Saigusa leg.).

Distribution: Taiwan, Ryukyu Is.

Longitarsus arisanus Chûjô, 1937

Sungkang, Nantou Hsien (1 ex., 19. v. 1965, 1 ex., 31. v. 1965, 1 ex., 24. vi. 1965, T. Shirôzu leg.; 1 ex., 16. vii. 1966, H. Kamiya leg.).

Sungkang—Tsifeng, Nantou Hsien (11 exs., 4. v. 1965, T. Shirôzu leg.; 20 exs., 29. vi. 1965, S. Kimoto leg.; 4 exs., 29. vi. 1965, T. Nakane leg.).

Tsifeng, Nantou Hsien (2 exs., 10. vii. 1966, H. Kamiya leg.).

Fenchihu, Nantou Hsien (3 exs., 10. iv. 1965, M. Sasakawa leg.; 2 exs., 10. iv. 1965, Y. Hirashima leg.; 1 ex., 24. vii. 1966, 1 ex., 25. vii. 1966, H. Kamiya leg.).

Alishan, Chiayi Hsien (1 ex., 8. iv. 1965, 2 exs., 9. iv. 1965, T. Saigusa leg.; 1 ex., 8. iv. 1965, 1 ex., 9. iv. 1965, S. Miyamoto leg.; 1 ex., 9. iv. 1965, T. Shirôzu leg.; 12 exs., 5. vii. 1965, Y. Kurosawa leg.; 5 exs., 6. vii. 1965, S. Kimoto leg.; 1 ex., 5. vii. 1965, T. Yamasaki leg.).

Taataka Pass (=Vicinity of Taataka-anbu), Chiayi Hsien (1 ex., 3. iv. 1967, T. Shirôzu leg.).

Distribution: Taiwan.

Longitarsus taiwanicus Chen, 1934

Wucheng (=Fuhosho), Nantou Hsien (8 exs., H. Sauter, in Zool. Mus. Berlin. Collection).

Distribution: Taiwan.

Longitarsus morrisonus Chûjô, 1937

Alishan, Chiayi Hsien (1 ex., 9. iv. 1965, T. Saigusa leg.).

Distribution: Taiwan, Ryukyu Is.

***Longitarsus nakanei* n. sp.**

Yellowish brown to blackish brown; antennae entirely yellowish brown to reddish brown; legs yellowish brown to reddish brown with posterior femora much darker.

Vertex convex, impunctate, partly wrinkled; frontal tubercles distinctly raised, oblique, narrow, well separated from vertex by a deep furrow, surface smooth, impunctate. Antennae slender, slightly shorter than length of body; first joint long, robust, club-shaped; second shortest, slightly shorter than half as long as first; third nearly $1\frac{1}{2}$ times as long as second; fourth $1\frac{1}{3}$ times as long as third; fifth $1\frac{1}{5}$ times as long as fourth; sixth nearly $\frac{4}{5}$ as long as fifth; seventh $1\frac{1}{5}$ times as long as sixth, and seventh to tenth subequal to each other in length and shape; eleventh $1\frac{1}{3}$ times as long as tenth and its apex pointed. Pronotum convex from side to side, transverse, nearly $1\frac{1}{3}$ times as wide as long; sides feebly rounded, slightly widened anteriorly, anterior angles truncate, surface minutely and not closely punctate. Scutellum semicircular, surface wrinkled. Elytra broader than prothorax at base, distinctly and closely punctate, humeri distinctly raised. First joints of posterior tarsi distinctly shorter than half length of tibiae.

Length: 2.5–3.0 mm.

Holotype: Fenchihu, Chiayi Hsien (12. iv. 1965, S. Miyamoto leg.).

Paratypes: Fenchihu, Chiayi Hsien (2 exs., 7. vii. 1965, T. Nakane leg.; 1 ex., 12. iv. 1965, T. Saigusa leg.; 1 ex., 8. vii. 1965, Y.-I. Chu leg.; 1 ex., 24. vii. 1966, H. Kamiya leg.).

This new species resembles *L. quadraticollis* Jacoby and *formosanus* Chûjô, in having the head with a deep oblique groove behind frontal tubercles, but differs in having the length of body larger and pronotum distinctly wider.

Distribution: Taiwan.

***Longitarsus ishikawai* n. sp.**

Head and pronotum pitchy black, scutellum pitchy brown, elytra reddish brown with their sutural margins narrowly infuscate; antennae entirely yellowish brown; legs yellowish to reddish brown with apical $\frac{2}{3}$ of posterior femora blackish; ventral surface of meso- and metathorax mostly pitchy brown and partly reddish brown; abdomen mostly reddish to yellowish brown with median portion much darker in various degrees.

Apterous. Vertex smooth, shining, impunctate; frontal tubercles slightly raised, not separated from behind, surface smooth, shining, impunctate; inter-antennal space narrow, distinctly elevated. Antennae slender, slightly longer than length of body; first joint long, robust, club-shaped; second shortest, nearly half as long as first; third subequal to second in length; fourth $1\frac{2}{3}$ times as long as third, and fourth to tenth subequal to each other in length and shape; eleventh $1\frac{1}{5}$ times as long as tenth and its apex pointed. Pronotum convex from side to side, transverse, $1\frac{1}{3}$ times as wide as long; sides feebly rounded, slightly

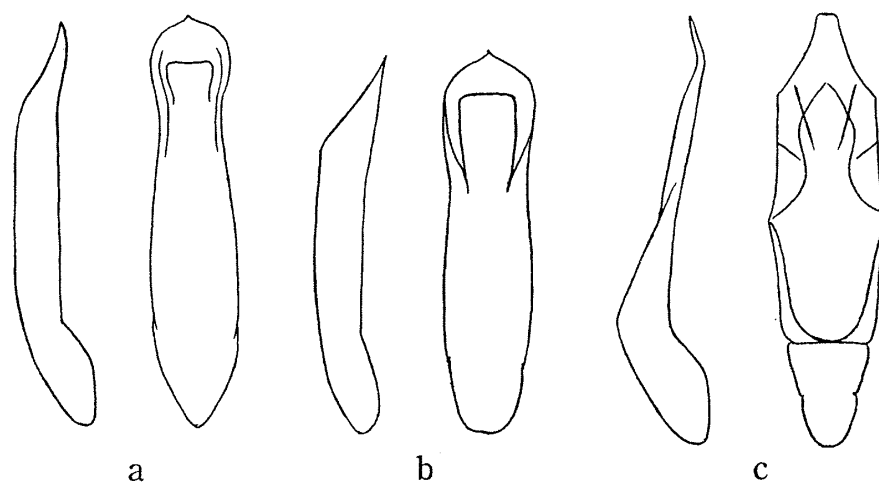


Fig. 7. Male genitaliae: a, *Longitarsus ishikawai* n. sp.; b, *L. hohuanshanus* n. sp.; c, *L. nakanei* n. sp.

widened anteriorly, anterior angles truncate, surface minutely and not closely punctate. Scutellum semicircular, surface wrinkled. Elytra broader than prothorax at base, finely and rather closely punctate, humeri hardly raised. First joints of posterior tarsi distinctly longer than half length of tibiae.

Length: 2.0–2.4 mm.

Holotype: Sungkang—Tsifeng, Nantou Hsien (29. vi. 1965, S. Kimoto leg.).

Paratopotypes: 8 exs., same as the holotype.

Paratypes: Taipingshan, Ilan Hsien (1 ex., 5. vii. 1967, B.-S. Chang leg.). Sungkang, Nantou Hsien (1 ex., 24. vi. 1965, T. Shirôzu leg.; 1 ex., 16. vii. 1966, H. Kamiya leg.). Fenchihu, Chiayi Hsien (2 exs., 22. vii. 1966, 1 ex., 23. vii. 1966, H. Kamiya leg.). Kuanyuan, Hualien Hsien (6 exs., 17. vii. 1966, B.-S. Chang leg.).

This new species resembles *L. arisanus* Chûjô, in having the similar coloration of dorsal surface, but differs from it in having the humeri of elytra hardly raised and the hind wings degenerate. This new species also resembles *L. bicoloriceps* Chûjô, in having the similar coloration and the hind wings degenerate, but differs from it in having the elytra much elongate and the punctures impressed on the basi-sutural areas distinct.

Distribution: Taiwan.

***Longitarsus hohuanshanus* n. sp.**

Yellowish brown with elytral suture narrowly blackish; antennae blackish brown with three basal joints yellowish brown; legs yellowish brown with apical portion of posterior femora slightly infuscate.

Apterous. Vertex smooth, shining, impunctate; frontal tubercles slightly raised, not separated from behind, surface smooth, shining, impunctate; inter-antennal

space narrow, distinctly elevated. Antennae slender, but slightly robuster than *ishikawai*, slightly shorter than length of body; first joint longest, robust, club-shaped; second shortest, nearly $3/5$ as long as first, third subequal to second in length but slightly slender; fourth $1\frac{1}{5}$ times as long as third; fifth $1\frac{1}{4}$ times as long as fourth; fifth to seventh subequal to each other in length and shape; eighth almost $4/5$ as long as seventh in length and eighth to tenth subequal to each other in length and shape; eleventh $1\frac{1}{4}$ times as long as tenth and its apex pointed. Pronotum convex from side to side, transverse, nearly $1\frac{1}{4}$ times as wide as long; sides feebly rounded, slightly widened anteriorly, anterior angles truncate, surface minutely and not closely punctate. Scutellum semicircular, surface wrinkled. Elytra broader than prothorax at base, finely and rather closely punctate, humeri hardly raised. First joints of posterior tarsi subequal to half length of tibiae.

Length 2.0 mm.

Holotype: Yuanfeng—Kunyang, Nantou Hsien (1. vii. 1965, S. Kimoto leg.).

Paratopotype: 1 ex., same as the holotype.

This new species resembles *L. ishikawai* Kimoto in having the hind wings degenerate, but differs from it in having the antennae robuster and shorter, and the fourth joint slightly longer than third, and the different coloration of the dorsal surface.

Distribution: Taiwan.

Phyllotreta striolata (Fabricius, 1893)

Ilan, Ilan Hsien (1 ex., 16. iv. 1965, Y. Hirashima leg.).

Puli, Nantou Hsien (3 exs., 8. vii. 1966, H. Kamiya leg.).

Taichung, Taichung Hsien (1 ex., 26. iv. 1965, T. Shirôzu leg.).

Sungkang—Tsifeng, Nantou Hsien (1 ex., 29. vi. 1965, R. Ishikawa leg.).

Tsifeng, Nantou Hsien (1 ex., 10. vii. 1966, H. Kamiya leg.).

Minhsiung, Chiayi Hsien (1 ex., 15. iv. 1965, S. Miyamoto leg.).

Kuantzuling, Nantou Hsien (3 exs., 7. iv. 1965, Y. Hirashima leg.).

Distribution: Holarctic Region, Japan, Ryukyu Is., Taiwan.

Aphthona strigosa Baly, 1874

= *Aphthona wallacei* Baly, 1877

Ilan, Ilan Hsien (1 ex., 16. iv. 1965, Y. Hirashima leg.).

Penpuchi, Nantou Hsien (1 ex., 9. vii. 1966, 1 ex., 13. vii. 1966, 8 exs., 14. vii. 1966, H. Kamiya leg.).

Chuchi, Chiayi Hsien (1 ex., 14. iv. 1965, S. Miyamoto leg.).

Ghiaoliping, Chiayi Hsien (1 ex., 13. iv. 1965, T. Saigusa leg.).

Chihsinliao, Chiayi Hsien (1 ex., 15. iv. 1965, T. Shirôzu leg.).

Liyuchih, Hualien Hsien (1 ex., 15. viii. 1966, H. Kamiya leg.).

Chulu, Taitung Hsien (1 ex., 9. viii. 1966, 4 exs., 11. viii. 1966, H. Kamiya leg.).

Kuantzuling, Tainan Hsien (1 ex., 6. iv. 1965, S. Miyamoto leg.).

Changchuenchyan, Hualien Hsien (2 exs., 21. vii. 1965, B.-S. Chang leg.).

Kenting, Pingtung Hsien (4 exs., 4. iv. 1965, T. Saigusa leg.; 2 exs., 4. iv. 1965, Y. Hirashima leg.).

Distribution: Japan, China, Taiwan, Indo-China, Sumatra, Flores.

***Aphthona formosana* Chen, 1934**

Yangmingshan, Taipei Hsien (3 exs., 25. v. 1965, Y. Miyatake leg.; 1 ex., 25. v. 1965, K. Morimoto leg.; 4 exs., 26. vi. 1965, S. Kimoto leg.; 1 ex., 26. vi. 1965, T. Nakane leg.; 1 ex., 24. viii. 1966, H. Kamiya leg.).

Wulai, Taipei Hsien (1 ex., 17. iv. 1965, T. Saigusa leg.; 10 exs., 27. v. 1965, Y. Miyatake leg.; 2 exs., 27. v. 1965, K. Morimoto leg.; 5 exs., 22. viii. 1966, 3 exs., 25. viii. 1966, H. Kamiya leg.).

Fushan (=Rimogan)—Rahau, Taipei Hsien (1 ex., 24. vii. 1934, J. L. Gressitt leg.).

Ilan, Ilan Hsien (1 ex., 15. iv. 1965, Y. Hirashima leg.; 4 exs., 18. viii. 1966, 2 exs., 19. viii. 1965, H. Kamiya leg.).

Peikeng—Hushan, Miaoli Hsien (1 ex., 11. iv. 1967, B.-S. Chang leg.).

Tahu (=Taiko)—Sungan (=Nihonmatsu), Miaoli Hsien (3 exs., 9. iv. 1967, T. Shirôzu leg.).

Puli, Nantou Hsien (3 exs., 8. vii. 1966, H. Kamiya leg.).

Jiuyuehtan, Nantou Hsien (1 ex., 15. vii. 1966, H. Kamiya leg.).

Penpuchi, Nantou Hsien (6 exs., 9. vii. 1966, 9 exs., 13. vii. 1966, 3 exs., 14. vii. 1966, H. Kamiya leg.).

Meichi, Nantou Hsien (1 ex., 12. v. 1965, T. Shirôzu leg.).

Nanshanchi, Nantou Hsien (1 ex., 30. iv. 1965, 2 exs., 20. vi. 1965, T. Shirôzu leg.; 4 exs., 30. vi. 1966, T. Nakane leg.; 1 ex., 30. vi. 1966, S. Kimoto leg.; 10 exs., 12. vii. 1966, H. Kamiya leg.).

Wushe—Yushih, Nantou Hsien (1 ex., 3. v. 1965, T. Shirôzu leg.).

Wushe, Nantou Hsien (1 ex., 15. viii. 1966, B.-S. Chang leg.).

Chuchi, Chiayi Hsien (1 ex., 21. vii. 1966, H. Kamiya leg.).

Fenchihu, Chiayi Hsien (1 ex., 12. iv. 1965, T. Saigusa leg.).

Tiehsiang, Hualien Hsien (9 exs., 16. viii. 1966, H. Kamiya leg.).

Kuantzuling, Tainan Hsien (8 exs., 6. iv. 1965, S. Miyamoto leg.).

Distribution: Taiwan, Ryukyu Is., Japan.

***Aphthona laetoides* Chûjô, 1963**

Tahu (=Taiko)—Sungan (=Nihonmatsu), Miaoli Hsien (1 ex., 9. iv. 1967, T. Shirôzu leg.).

Sungkang, Nantou Hsien (1 ex., 16. vii. 1966, H. Kamiya leg.).

Sungkang—Tsifeng, Nantou Hsien (1 ex., 29. vi. 1965, R. Ishikawa leg.).

Tsifeng, Nantou Hsien (1 ex., 10. vii. 1966, H. Kamiya leg.).

Fenchihu, Nantou Hsien (2 exs., 12. iv. 1965, T. Shirôzu leg.; 2 exs., 12. iv. 1965, T. Saigusa leg.; 1 ex., 10. iv. 1965, 1 ex., 12. iv. 1965, S. Miyamoto leg.).

5-10 km S. of Fenchihu, Chiayi Hsien (1 ex., 11. iv. 1965, Y. Hirashima leg.).

Alishan (=Arisan), Chiayi Hsien (1 ex., 18. viii. 1947, J. L. Gressitt leg.; 6 exs., 5. vii. 1965, 13 exs., 6. vii. 1965, S. Kimoto leg.; 3 exs., 6. vii. 1965, T. Nakane leg.; 2 exs., 5. vii. 1965, 1 ex., 6. vii. 1965, Y. Kurosawa leg.; 1 ex., 5. vii. 1965, T. Yamasaki leg.; 5 exs., 27. vii. 1966, 6 exs., 29. vii. 1966, H. Kamiya leg.).

Kueitzuchiaio, Pingtung Hsien (1 ex., 1. viii. 1966, H. Kamiya leg.).

About 50 specimens of this species were taken from Taiwan. In the male specimens pronotum is always entirely yellowish brown and in female specimens entirely brownish blue. According to the original description, this species was described by a single specimen indicated as female. However, the holotype must be a male specimen, since the pronotum was described as entirely brownish yellow.

Distribution: Taiwan.

***Aphthona splendida* Weise, 1889**

Taipingshan, Ilan Hsien (3 exs., 5. viii. 1967, B.-S. Chang leg.).

Wushe, Nantou Hsien (1 ex., 30. v. 1965, B.-S. Chang leg.).

Sungkang, Nantou Hsien (2 exs., 18. v. 1965, 30 exs., 1. vi. 1965, 1 ex., 9. vi. 1965, 6 exs., 10. vi. 1965, 3 exs., 11. vi. 1965, 22 exs., 24. vi. 1965, 4 exs., 29. vi. 1965, T. Shirôzu leg.; 8 exs., 29. vi. 1965, T. Yamasaki leg.; 9 exs., 16. vii. 1966, H. Kamiya leg.).

Sungkang—Tsifeng, Nantou Hsien (37 exs., 29. vi. 1965, S. Kimoto leg.; 22 exs., 29. vi. 1965, T. Nakane leg.; 4 exs., 29. vi. 1965, R. Ishikawa leg.).

Meifeng, Nantou Hsien (1 ex., 18. v. 1965, B.-S. Chang leg.).

Tsifeng, Nantou Hsien (8 exs., 10. vii. 1966, H. Kamiya leg.).

Alishan, Chiayi Hsien (1 ex., 5. vii. 1965, S. Kimoto leg.; 1 ex., 28. vii. 1966, H. Kamiya leg.).

Taruling—Tzeen, Hualien Hsien (1 ex., 17. vii. 1966, B.-S. Chang leg.).

Distribution: China, Taiwan.

***Aphthona perminuta* Baly, 1875**

= *Aphthona pygmaea* Baly, 1874 (nec Kutschera, 1861)

= *Aphthona varipes* Jacoby, 1890

Yangmingshan, Taipei Hsien (4 exs., 25. v. 1965, K. Morimoto leg.; 3 exs., 24. viii. 1966, H. Kamiya leg.).

Alishan, Chiayi Hsien (1 ex., 9. iv. 1965, Y. Hirashima leg.).

Tungpu—Tzuchung, Lulinshan, Chiayi Hsien (1 ex., 10. iv. 1965, T. Saigusa leg.).

Distribution: Indo-China, China, Taiwan, Japan, S. Sachalin.

***Aphthona nigrita* (Ohno, 1961)**

Wulai, Taipei Hsien (3 exs., 27. v. 1965, Y. Miyatake leg.; 1 ex., 27. v. 1965, K. Morimoto leg.).

Yangmingshan, Taipei Hsien (1 ex., 25. v. 1965, Y. Miyatake leg.; 1 ex., 24. viii. 1966, H. Kamiya leg.).

Pahsienshan (=Hassenzan), Taichung Hsien (1 ex., 26. vi. 1934, J. L. Gressitt leg.).

Nanshanchi, Nantou Hsien (2 exs., 30. vi. 1965, S. Kimoto leg.).

Sungkang, Nantou Hsien (1 ex., 31. v. 1965, 1 ex., 1. vi. 1965, T. Shirôzu leg.).

Tsifeng, Nantou Hsien (1 ex., 10. vii. 1966, H. Kamiya leg.).

Chiaoliping, Chiayi Hsien (1 ex., 13. iv. 1965, T. Saigusa leg.).

Fenchihu, Chiayi Hsien (2 exs., 7. vii. 1965, 1 ex., 8. vii. 1965, S. Kimoto leg.; 1 ex., 22. vii. 1966, H. Kamiya leg.).

Alishan, Chiayi Hsien (1 ex., 6. vii. 1965, S. Kimoto leg.).

Kuantzuling, Tainan Hsien (1 ex., 6. iv. 1965, T. Saigusa leg.).

Liukuei (=Rokki), Kaohsiung Hsien (1 ex., 14. v. 1934, J. L. Gressitt leg.).

This species is here recorded for the first time from Taiwan.

Distribution: Japan, Ryukyu Is., Taiwan.

Trachyapthona sordida (Baly, 1874)

Yangmingshan, Taipei Hsien (14 exs., 25. v. 1965, Y. Miyatake leg.).

Pahsienshan (=Hassenzan), Taichung Hsien (3 exs., 26. vi. 1934, J. L. Gressitt leg.).

Nanshanchi, Nantou Hsien (2 exs., 30. vi. 1965, S. Kimoto leg.).

This species is recorded for the first time from Taiwan.

Distribution: S. China, Japan, Taiwan.

***Proterops nigripennis* Wesmael の新寄主**

奥 谷 禎 一

Proterops nigripennis Wesmael チュウレンジコマユバチ (新称) は渡辺 (1937) によると、欧州では *Arge enodis* L. ヤナギチュウレンジおよび *A. atrata* F. に、本邦では *A. similis** ルリチュウレンジに寄生するとされている。筆者は 1970 年 6 月下旬、神戸市灘区六甲台の神戸大学農学部構内のアキニレに大発生した *Arge captiva* Smith ニレチュウレンジ幼虫を飼育し、36 個の繭より 7 月 15 日前後に本種の 2 ♀♀ を得た。ニレチュウレンジは、同時に宝塚市ファミリーランド附近でも大発生をしていたが、これは気付いた時期おそく飼育できなかつた。なお、以前に神奈川県下のハルニレに大発生した時に本種が羽化したと聞いている。

* 渡辺は *A. simillima* Smith と記しており、1964 年の「日本産害虫天敵目録」にもそのままウスイロチュウレンジの和名で記されている。筆者の模式標本の研究結果では *A. simillima* は *A. berberidis* Klug, 1812 ハサミチュウレンジのシノニムで、この時代にはルリチュウレンジと学名が混同して用いられている。渡辺の報告にある飼育者などのデータからみて、学名使用上の誤と認め *A. similis* ルリチュウレンジと推定した。