

Fauna Javanica

The Staphylinidae Collected by Mr. F. C. Drescher

by

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(Continued from Tijdschr. voor Ent. vol. 79, p. 54).

Part. II.

Staphylininae.

Metolinus Cam.

Metolinus javanicus sp. n.

Very closely allied to *parvus* Cam. (described as an *Oligolinus*) of the same size and colour, but a little more slender, the head obviously longer and narrower, distinctly longer than broad, the frontal sulci are obsolete as in *parvus* being reduced to two small inconspicuous foveae, one behind the other on each side, the punctures though equally sparing are larger and groundsculpture entirely absent; the thorax has a dorsal row of five punctures on each side and these are larger than in *parvus*, ground sculpture is also absent. In all other respects similar to *parvus*. Length 4 mm.

G. Patoeha, Preanger, alt. 7000 ft. 15-22. v. 28. Unique.

Leptacinus Er.

tricolor Kr. Tjilatjap, 21.XII.26. Also in Ceylon and India.

Leptacinus unicolor sp. n.

Shining, black, the thorax with dorsal row of five or six fine punctures. Antennae blackish, the first two joints reddish. Legs reddish-yellow. Length 4.5 mm.

Head a little broader than the thorax, a little longer than broad, the sides parallel behind the eyes, the posterior angles broadly rounded, median frontal sulci well marked, parallel, the lateral reduced to a small fovea, disc impunctate, towards the sides with a few small punctures, yet smaller towards the post-ocular region, ground sculpture absent. Antennae scarcely differing in structure from those of *parumpunctatus*. Thorax about a third longer than broad, the sides a little sinuate behind, on each side of the middle with a row of five or six fine punctures, externally with three or four others in a short curved, row, ground sculpture absent. Elytra as long as but broader than the thorax, with a sutural and humeral row

of extremely fine, scarcely visible punctures. Abdomen extremely finely and very sparingly punctured.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 3.VI.30 : 12-18.I.33. 3-15.II.33.

Pachycorynus Motsch.

dimidiatus Motsch. Tjilatjap. XII.26. Also Ceylon, India Lombok and Philippines.

ophis Cam. G. Tangkoeban Prahoe, alt. 4000—5000 ft. X.33. Also in Sumatra.

Pachycorynus unicolor sp. n.

Black, shining. Antennae reddish-yellow. Legs reddish-yellow, the femora infusate along the anterior margins. Length 6.5 mm.

Closely allied to *niger*, but differs from it in the broader head with the sides more evenly rounded, not at all widened behind and rather more closely punctured, thorax a little longer and narrower, the punctures finer, elytra more finely punctured. Also very near *Bakeri* but differs in the much broader head with much more rounded sides and much more closely punctured, and narrower and more closely punctured thorax.

G. Tangkoeban Prahoe, 24.VI.29 ; 1-11.I.33.

Mitomorphus Kr.

Mitomorphus javanus sp. n.

Shining, black, the elytra with metallic bronze-black reflex : thorax with dorsal row of six or seven fine punctures, externally with a curved row of five others.

Antennae blackish brown, the first three joints reddish. Legs reddish-yellow. Length 7.5 mm.

Differs from *obsoletus* in the absence of metallic reflex on the head and thorax, the former more egg-shaped and the less finely and more sparingly punctured elytra. Head oviform, a little broader than the thorax, median frontal sulci short and feeble, the lateral fine, linear, obsolete, behind the median with four fine quadrately placed punctures, towards the sides and base with a few very fine scattered punctures. Thorax elongate, narrowed behind, with sculpture as above described. Elytra as broad but scarcely as long as the thorax, with a row of fine closely placed punctures along the suture and yet finer and less numerous subhumeral row, between these two rows with four or five others, the reflexed sides with four or five punctures. Abdomen extremely finely and very sparingly punctured.

G. Tangkoeban Prahoe, alt 4000—5000 ft. 12-18.I.33. III.VI.VII.30. G. Patoeha, alt 7000 ft. 24.II.28.

Mitomorphus basalis sp. n.

Shining, black, elytra brassy bronze, the shoulders, base and reflexed margins yellow; abdomen with the posterior margin of the 5th (visible) and apical half of the 6th yellow. Antennae red. Legs reddish-yellow. Length 8.5 mm.

Head oval broader than the thorax, the median sulci fine and short, the lateral obsolete, behind the former with four punctures placed quadrately, the surface except along the middle with small scattered punctures. Antennae with the 5th to 10th joints transverse. Thorax longer than broad, the sides straight as seen from above and gradually retracted behind, with dorsal row of ten small punctures, externally with an equal number arranged in hook shape. Elytra a little shorter than the thorax, the punctures moderately coarse, deep and close, somewhat confused towards the suture, but externally arranged more or less in three rows, the reflexed sides with two rows of fine punctures. Abdomen finely and very sparingly punctured, ground sculpture transverse, wavy.

G. Tangkoeban Prahoe, alt. 4000—6000 ft. II.III.34.

Mitomorphus Drescheri sp. n.

Build and colour of the preceding, but larger (9 mm.), frontal sulci longer, thorax with dorsal row of eleven or twelve punctures and a lateral curved row of nine or ten; elytra with stronger greenish bronze metallic reflex, the punctures coarser and more numerous.

G. Tangkoeban Prahoe, at 4000—5000 ft. 3-15.II.33.
Unique.

Mitomorphus pubiventris sp. n.

In size, colour and build differing but little from *nigroaeneus*, but at once distinguished by the extremely fine, very close puncturation and pubescence of the sides and base of the head, the disc except for the usual four quadrately placed punctures, smooth; the punctures of the dorsal and lateral rows of the thorax are fine and five or six in number as in *nigroaeneus*, the puncturation of the elytra is very obsolete, only a trace of a sutural and subhumeral row being visible, the puncturation of the abdomen is extremely fine and close throughout the pubescence is likewise dense and fine and differs from that of any species of the genus known to me. Length 5 mm.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 12.XI.29 : 8.X.29 : IX.33.

Indoscitalinus Heller.

anachoreta Er. Tjilatjap : Djeroeklegi. Widely distributed in the Oriental region.

dispilus Er. Tjilatjap, 6.VIII.25. Also in India.

borneensis Bernh. G. Tangkoeban Prahoe ; Batoerraden,
G. Slamet, Bandoeng Dago. Also in
Borneo.

javanus Bernh. G. Tangkoeban Prahoe : Batoerraden,
G. Slamet.

annulatus Fauv. var. *deficiens* n.

This only differs from the type in the first four visible abdominal segments being yellowish-red instead of the first two being black.

G. Raoeng, Bajoekdoel, alt. 450—700 m. X.XI.32. (*Lucht*)
Batoerraden, G. Slamet, X.XII.28. Also in Bogor and Lombok.

Othius Steph.

Othius javanus sp.n.

Shining, black, the posterior margin of the thorax narrowly, the first two visible segments of the abdomen entirely, yellowish red. Antennae reddish. Legs reddish yellow, the femora a little infusate. Length 6.75 mm.

Head as broad as the thorax, distinctly longer than broad, the sides nearly parallel, only diverging very slightly behind, ocular sulcus short and narrow, ending in a setigerous puncture, puncturation very fine and very scanty ; ground sculpture distinct. Antennae short and stout, the 3rd and following joints transverse, slightly increasing in width. Thorax a good deal longer than broad, the sides parallel, the angles broadly rounded, on each side of the middle with a row of seven or eight fine punctures, externally with ten or eleven equally fine ones irregularly distributed : ground sculpture as on the head. Elytra as long as and scarcely broader than the thorax, with three rows of about nine or ten very fine punctures, sutural, subhumeral and intermediate, the reflexed sides scarcely perceptibly punctured ; ground sculpture absent. Abdomen parallel, finely and sparingly punctured, the penultimate setiferous, near the posterior margin of each segment with four longer black setae.

G. Tangkoeban Prahoe, alt 1400 m 18.I.33. (*Jacobson*)
Unique.

Diachus Er.

punctipennis Motsch. G. Goentoer. 20—26.IX.25. Widely distributed in the Oriental region.

antennatus Motsch. Batoerraden, G. Slamet, VIII.26. Widely distributed in the Oriental region.

Neobisnius Ganglb.

praelongus G. & H. Batoerraden, G. Slamet, V.26 : V.28.
G. Tangkoeban Prahoe, 21.IV.30. Widely distributed in the Oriental region.

Philonthus Curtis.

- cyaneoviolaceus* Bernh. G. Patoeha, alt. 5000 ft. VI.28. G. Tangkoeban Prahoe, alt. 4000—5000 ft. 20.VII.30 : Pangerango, 23.IV.31. (*Toxopeus*). Lebaksoak, 22—25.VI. 32. (*Toxopeus*).
- javanus* Bernh. Batoerraden. G. Slamet. I.27.
- sarawakensis* Bernh. Batoerraden, G. Slamet, 10—12.VIII.26. Also in Borneo.
- sublaevipennis* Bernh. Batoerraden, G. Slamet, I.27. Also in Sumatra and Singapore.
- nigripes* Cam. G. Tangkoeban Prahoe, alt. 4000—5000 ft. IX.XII.33. G. Goentoer. 20—26 IX.25. Also in Borneo and Malay Peninsula.
- The number of punctures in the dorsal row varies from 5 to 7 and are often different on the two sides.
- paederoides* Motsch. Djeroeklegi, Zuid Banjoemas, 3.IV.30. Widely distributed in the Oriental region.
- aeneipennis* Boh. G. Tangkoeban Prahoe, alt. 4000—5000 ft. 20.III.20. Bandoeng Dago, G. Raoeng. Bajoekdoel, 30.X.32. (*Lucht*). Widely distributed in the Oriental region.
- tardus* Kr. Tjilatjap. VI.25. Widely distributed in the Oriental region.
- geminus* Kr. Zuider Geb, Bakaban. 28.VIII.27. Widely distributed in the Oriental region.
- belonuchoides* Cam. Tjilatjap, VIII.XII.26. Bandoeng Dago. 6.IX.29. Also in Singapore.
- idiocerus* Kr. G. Tangkoeban Prahoe, alt 4000—5000 ft. Also in Ceylon and India.
- discoideus* Gr. Tjilatjap, 22.II.26. Bandoeng Dago, 15.I.31. Cosmopolitan.
- acroleucus* Kr. Tjilatjap, 5.XII.26. Batoerraden, G. Slamet, 30.VIII.26. Also in Ceylon, Sumatra, Lambok, and Philippines.
- gemellus* Kr. Tjilatjap, 20.VIII.26. Bandoeng, 15.IV.34. Also in Ceylon, India, and Malay Peninsula.
- remotus* Fauv. G. Tangkoeban Prahoe, alt 4000—5000 ft. V.33. Also in Burma and India.
- quisquiliarius* Gyll. v. *inquinatus* Steph. Bandoeng Dago, II.V.29. Tjilatjap, 5.XII.26. Djeroeklegi, Zuid Banjoemas, 7.II.31. Widely distributed.
- interpositus* Bernh. Tjibodas, G. Gedeh, alt. 1400 m 24-31.XI. 33. (*Toxopeus*).
- gracilentus* Cam. Tangkoeban Prahoe. II,V,VI,VII,33. Batoerraden, G. Slamet, 10.I.32.
- renominatus* n. n. (*vicinus* Cam. Tijdsch. v. Ent. 1 XXVI, 1933, p. 389, praecoc.). G. Tangkoeban Prahoe, alt. 4000—5000 ft. 3.VI.30 ; 19—31.33 Also in Sumatra.

viduus Cam. (Gabrius). G. Tangkoeban Prahoe. alt 4000—5000 ft. 9.III — 12.IV.33. Also in Borneo.

propinquus Cam. (Gabrius) G. Tangkoeban Prahoe, alt. 4000—5200 ft. Bandoeng Dago. Also in Sumatra.

thermarum Aubé (Gabrius) Tjilatjap, X.25 ; 22.II.26. Batoeraden, 8.VIII.26. Tebok Batong, 12.XII.28. Babakan. VIII.26. Cosmopolitan.

Philonthus divergens sp. n.

Head and thorax shining coppery bronze, elytra and abdomen black, less shining. Thorax with dorsal row of four rather large punctures. Antennae and legs black. Palpi blackish. Length 8 mm.

Colour of *decorus* Gr. readily distinguished by the fine moderately close puncturation of the head and thorax. Head subquadrate, a little broader than long, a little broader than the thorax, the posterior angles rounded, median interocular punctures widely separated, the eyes a good deal shorter than the post-ocular region, on each side of the vertex with two obliquely placed punctures, the post-ocular region with a few others, the whole surface with distinct ground sculpture and a fine, moderately close puncturation. Antennae with the 3rd joint longer than 2nd, 4th to 8th longer than broad, gradually decreasing in length, the 9th and 10th about as long as broad. Thorax slightly longer than broad, widest a little before the middle, from thence more retracted behind than in front, the ground sculpture and puncturation as on the head. Scutellum very finely and closely transversely striate and very finely punctured. Elytra a little longer and broader than the thorax, closely and finely punctured, finely pubescent, the sides with two or three long black setae. Abdomen finely and rather closely punctured and pubescent, much more sparingly on the last segment. First joint of posterior tarsi a little shorter than the last.

♂ : anterior tarsi dilated. 6th ventral segment arcuately emarginate the edge broadly bevelled.

G. Tangkoeban Prahoe, alt 4000—5000 ft. 12.IV-9.V.33. (*Type*). Labaksaat, Preanger, alt. 2400 m. 22—25.VI.33. (*Toxopeus*).

Philonthus preangeranus sp. n.

Shining, black, the abdomen strongly iridescent, the posterior margins of the segments and adjacent raised lateral margins very narrowly and obscurely reddish. Thorax with dorsal row of four punctures. Antennae black, the 11th (and sometimes the 10th) joints reddish. Legs black, the femora reddish-yellow. Length 8—9 mm.

In build and antennal structure much resembling *pelemerus* Kr. Head (♂ and ♀) transverse, suborbicular, a little nar-

rower than the thorax, the eyes fully as long as the post-ocular region. Median interocular punctures absent, behind the eyes with a few small punctures; ground sculpture extremely fine. Antennae slender, all the joints longer than broad. Thorax as long as broad, the sides parallel; dorsal row of four moderate punctures and three or four externally; ground sculpture as on the head; sides with some long setae. Elytra as long as but broader than the thorax, very finely and closely punctured like the scutellum, finely pubescent, the sides with long setae. Abdomen very finely and sparingly punctured especially behind. Anterior tarsi simple. First joint of posterior tarsi as long as the last.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 3.VI.30.

Philonthus adjacens sp. n.

Shining, black, the elytra greenish-bronze: thorax with dorsal row of four rather large punctures and with sericeous reflex. Antennae black; palpi pitchy. Legs black. Length 7 mm.

Near *pelimerus* Kr. but differs in the entirely black antennae and legs, narrower head, longer thorax and much less finely punctured elytra. Head slightly broader than long, subquadrate, almost as broad as the thorax, the eyes large, longer than the post-ocular region, median interocular punctures widely separated; behind the eyes with a few moderate punctures, ground sculpture fine, occasionally with sericeous reflex. Antennae formed as in *pelimerus*. Thorax a fifth longer than broad, the sides practically parallel; dorsal row of four rather large punctures and two others externally, ground sculpture fine as on the head, distinctly sericeous, at the sides with a few long setae. Scutellum finely and closely punctured. Elytra as long as but broader than the thorax, as closely but less finely punctured than in *pelimerus*, the sides setiferous. Abdomen closely punctured at the bases of the segments, elsewhere sparingly, the pubescence long, black and sparing. First joint of the posterior tarsi as long as the last.

♂ : Unknown.

G. Tangkoeban Prahoe, alt 4000—5000 ft. VII.XII.33 : 14.V.30.

Philonthus antennalis sp. n.

Very closely allied to *pelimerus* Kr. and only differs in the following respects, the head is narrower, the last four joints of the antennae are orange red, the elytra much less closely punctured, the abdomen less closely punctured. Bandoeng Dago, 16.III.30. Unique.

Philonthus orientalis sp. n.

Shining, head black, thorax and abdomen dark castaneous red, elytra brassy, head and thorax iridescent, the latter with dorsal row of four rather large punctures. Antennae and legs black, the femora reddish-yellow. Length 5.5—6 mm.

Build of *pelimerus* ♀, antennae similarly constructed, differs in the colour, the iridescence of the head and thorax and the elytra a little less closely punctured, the abdomen is punctured as in *pelimerus*.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 14.V.30 : 12/4—9/5.33.

Philonthus Drescheri sp. n.

Shining, black, the head and thorax with distinct metallic reflex, elytra brassy; posterior margins of the abdominal segments narrowly reddish. Thorax with dorsal row of four moderate punctures. Antennae black, the last three joints reddish-yellow. Leg reddish-yellow, the tibiae infusate. Length 6.5 mm.

Size and build of *borneensis* Bernh. differs in the longer antennae, the penultimate joints as long as broad, the distinct metallic reflex of the head and thorax, the more brassy elytra which are less finely and more closely punctured and the less finely and more closely punctured abdomen. The sides of the head, thorax and elytra are furnished with long setae as in *borneensis*. First joint of posterior tarsi as long as the last. Anterior tarsi simple.

Batoerraden. G. Slamet. 6.II.30. Unique.

Philonthus activus sp. n.

Shining, head black with metallic reflex, thorax pitchy with the anterior and posterior margins narrowly reddish, with metallic reflex and four punctures in the dorsal row; scutellum reddish; elytra greenish to coppery bronze. Abdomen black, the posterior margins of the first four visible segments narrowly, the posterior half of the 5th and whole of the 6th, reddish-yellow. Antennae black, the 1st joint reddish, the 10th and 11th yellowish-red. Palpi reddish. Legs reddish yellow, the tibiae infusate. Length 7 mm.

In the build of the thorax much resembling *minutus* Boh. but in all other respects different. Head narrower than the thorax, suborbicular, the eyes much longer than the postocular region, median interocular punctures absent, behind the eyes with a few small punctures; ground sculpture fine, transversely striate. Antennae with the 8th to 10th joints as long as broad. Thorax very slightly longer than broad, widest a little before the middle, the sides from thence a little more retracted in front than behind with the dorsal row composed of four moderate punctures, externally with

two others; ground sculpture as on the head. Scutellum very finely and not very closely punctured, finely transversely striate. Elytra a little longer and broader than the thorax, finely and moderately closely punctured. Abdomen with some fine punctures at the bases of the segments almost impunctate elsewhere. First joint of posterior tarsi as long as the last.

♂ : Anterior tarsi dilated. 6th ventral segment with small arcuate excision, its margin narrowly bevelled.

G. Tangkoeban Prahoe, alt 4000—5000 ft. 21.IV.30. 18—28.XII.32. 19—31.I.33.

Philonthus nigrolucens sp. n.

Shining, black. Thorax with dorsal row of four punctures, sericeous, abdomen somewhat iridescent. Antennae and legs black. Length 6 mm.

Near *delicatulus* Boh. but differs in the colour and much shorter and thicker antennae. Head as long as broad, suborbicular, narrower than the thorax, the eyes a little shorter than the post-ocular region, median interocular punctures nearer to the lateral than to each other, behind the eyes with four or five punctures; ground sculpture fine. Antennae short and stout, 2nd and 3rd joints of equal length, 4th as long as broad, 5th to 10th moderately transverse, scarcely increasing in width. Thorax scarcely longer than broad, the sides straight, gradually retracted in front with dorsal row of four moderate, equidistant punctures and two others externally; ground sculpture distinct, scutellum finely punctured. Elytra about a fourth longer and distinctly broader than the thorax, as closely but more finely punctured than in *delicatulus*. Abdomen very finely, moderately closely punctured, much less closely than in *delicatulus*. First joint of posterior tarsi shorter than the last. Anterior tarsi simple.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 18—28.XII.32. Unique.

Philonthus derivatus sp. n.

Shining, black, the head and thorax slightly sericeous, the elytra with slight greenish bronze reflex: thorax with dorsal row of four moderate punctures. Antennae black, the first two joints yellowish brown. Legs reddish yellow, the femora and tibiae infusate. Length 5 mm.

Closely allied to *adversus* Bernh. Scheerp (*misellus* Fauv.) but the antennae are more slender, the penultimate joints less transverse, thorax narrower but similarly formed, elytra longer and less metallic, more closely punctured. The abdomen as in *adversus*. First joint of posterior tarsi shorter than the last.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. X.33. Unique.

Philonthus socius sp. n.

Shining, black, the head and thorax sericeous, the latter with dorsal row of five punctures; elytra greenish bronze. Antennae black, the first two joints reddish, the 11th and sometimes the 10th obscurely orange red. Legs reddish yellow. Length 7 mm.

In build and colour rather like *borneensis* Bernh. but with dorsal thoracic row of five punctures, longer antennae and much more closely punctured elytra and abdomen. Head transverse, suborbicular scarcely narrower than the thorax in the ♂, in the ♀ distinctly narrower; eyes large much longer than the postocular region; median interocular punctures widely separated, behind the eyes with a few larger and smaller punctures; ground sculpture distinct. Antennae rather long, the 3rd joint longer than the 2nd, 4th and following all longer than broad, gradually decreasing in length, the 10th as long as broad. Thorax a little longer than broad, the sides practically straight, parallel in ♂, a little retracted in front in ♀, with dorsal row of five moderate punctures, the 5th more remote, externally with three or four others; ground sculpture distinct, scutellum finely closely and roughly punctured. Elytra a little longer and broader than the thorax, finely closely and roughly punctured like the scutellum, finely pubescent. Abdomen closely and finely punctured and pubescent, more sparingly on the last two segments. First joint of posterior tarsi as long as the last.

♂: Anterior tarsi dilated. 6th ventral segment with small triangular smooth impression, its base very slightly, arcuately emarginate.

Djeroeklegi, Zuid Banjoemas, 7.II.31. Tjilatjap, 20.VIII.26.

Philonthus maculicollis sp. n.

Shining, head black, the anterior margin and median frontal line yellowish red; thorax yellowish red with a triangular black spot on each side of the base, its apex reaching the 4th puncture of the 5-punctured dorsal row. Scutellum yellowish red. Elytra pitchy black, the suture and an elongate humeral marking extending from the shoulder to the posterior third of the disc yellowish red. Abdomen black, the posterior margins of the segments broadly reddish yellow. Antennae black, the 1st, 2nd, 10th and 11th joints yellowish red. Legs reddish yellow. Length 7.5 mm.

In build somewhat resembling *stragulatulus* Er. but with larger head and in colour etc., entirely different. Head transverse, subquadrate in ♂, more suborbicular in ♀, narrower than the thorax, the eyes longer than the postocular region, median interocular punctures distant, behind the eyes with about six punctures: ground sculpture very fine and wavy. Antennae long, all the joints longer than broad, gradually

decreasing in length. Thorax slightly longer than broad, the sides practically straight and slightly retracted towards the front, the dorsal row consisting of five moderate punctures, the four posterior equidistant, the 1st more remote and situated on the anterior margin itself, externally with three others; ground sculpture as on the head, the sides with some long black setae. Scutellum extremely finely punctured. Elytra as long as but a little broader than the thorax, moderately finely and moderately closely punctured, the sides setiferous. Abdomen extremely finely rather closely punctured except on the last segment, the pubescence extremely fine, the first five visible segments with a transverse row of six larger setiferous punctures across the middle, the posterior margins also setiferous, the last segment except for a few fine setiferous punctures impunctate. First joint of posterior tarsi almost as long as the last. Anterior tarsi dilated in both sexes.

♂ : 6th ventral segment with a small rectangular excision its edge narrowly bevelled.

G. Tangkoeban Prahoe, 9/III, 12/IV33.

Philonthus uniformis sp. n.

Shining, black, the thorax slightly sericeous and with a dorsal row of five moderate punctures, the elytra with slight bluish reflex. Antennae black, the 1st joint reddish below the 2nd reddish at base and apex, the 11th orange red. Palpi blackish, the 4th joint yellowish. Legs pitchy black, the tarsi reddish. Length 6 mm.

In build somewhat resembling *alcyoneus* Er. but with broader thorax. ♂ : head subquadrate, a little broader than long, the posterior angles rounded, a little broader than the thorax, the eyes a good deal shorter than the postocular region; median interocular punctures widely separated, behind the eyes with a few scattered punctures; ground sculpture very fine. Antennae with the 3rd joint a little longer than 2nd, 4th, about as long as broad, 5th to 10th transverse gradually increasing in width, the penultimate about twice as broad as long. Thorax very slightly longer than broad, the sides almost straight and parallel, the dorsal row composed of five moderate equidistant punctures, externally with a group of four others, the ground sculpture as on the head. Elytra as long as but broader than the thorax, finely and rather closely punctured, finely pubescent. Abdomen finely and rather closely punctured except on the last segment where there are only a few scattered punctures. First joint of the posterior tarsi as long as the last. ♂ : Anterior tarsi dilated, the 6th ventral segment with a small acute notch its border broadly bevelled.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. X.33.Unique.

Philonthus bambusae sp. n.

Closely allied to *vagus* Fauv., of the same size build colour and antennal structure, but with the elytra yet more sparingly punctured and the bases of the anterior abdominal segments closely and coarsely punctured, the 6th and 7th each with a transverse row of very fine punctures across the middle, otherwise practically impunctate. Head slightly transverse, suborbicular, nearly as broad as the thorax, the eyes about as long as the gently rounded and retracted postocular region, median interocular punctures fine, widely separated, ground sculpture absent. Antennae with the 4th and 5th joints about as long as broad, slightly infusate, the 6th to 10th transverse. Thorax slightly longer than broad, the sides nearly straight, slightly retracted in front with a dorsal row of five small punctures, the 5th a little more remote, externally with three others, ground sculpture absent. Scutellum with six or seven small punctures. Elytra as long as but broader than the thorax, with a few very fine scattered punctures each with a yellow hair, the sides with setae. Abdomen with sculpture as above described first joint of posterior tarsi shorter than the last.

♂ : anterior tarsi dilated ; 6th ventral segment acutely emarginate, the borders broadly bevelled.

Batoerraden, G. Slamet. 11.VII.26 ; V.26.

Philonthus forticornis sp. n.

Shining, black, thorax with dorsal row of five punctures, very slightly sericeous. Antennae reddish, the 4th to 10th joints slightly infusate. Legs pitchy, tarsi reddish.

Length 6 mm.

Near *distinctus* G. & H. (*crassicornis* Fauv.) and *acroleucus* Kr. differs from both in the blacker colour, the more sparingly punctured elytra and the much more sparingly punctured abdomen. Head subquadrate in ♂, more suborbicular in ♀, a little narrower than the thorax, the eyes large, about as long as the postocular region ; median interocular punctures widely separated, behind the eyes with a few punctures, the ground sculpture fine as in *distinctus*. Antennae short and stout the 3rd joint as long as the 2nd, 4th small transverse 5th to 10th much more strongly transverse, the penultimate joints fully twice as broad as long. Thorax a little longer than broad, the sides nearly straight, scarcely retracted in front with dorsal row of five moderate punctures the 1st and 5th more remote, externally with three others ; ground sculpture as on the head. Scutellum very finely and closely punctured, finely pubescent. Elytra as long as and a little broader than the thorax, extremely finely, rather obsoletely, moderately closely punctured. Abdomen very finely and sparingly punctured, the punctures mostly at the bases

of the segments. First joint of posterior tarsi as long as the last.

♂ : anterior tarsi dilated : 6th ventral segment with arcuate emargination its border bevelled.

Batoerraden, G. Slamet. 1.V.28 : 9.VI.28 : 23.VII.28 : IV.33.

Philonthus stiphrogaster sp.n.

Shining, head and thorax black, the elytra and abdomen pitchy, the former with the shoulders and reflexed margins reddish and the posterior margins very narrowly but sharply reddish yellow, the latter with the posterior margins of the segments rather broadly reddish. Thorax with dorsal row of six small punctures. Antennae black, the first two joints and the palpi reddish yellow. Legs reddish yellow, the tibiae pitchy. Length 5 mm.

In build very similar to *pelimerus* Kr. but with smaller eyes shorter antennae and densely punctured abdomen as in *densiventris* Cam.

♂ : Head transverse, subquadrate as broad as the thorax, the eyes much shorter than the postocular region, median interocular punctures widely separated, behind the eyes with four or five small punctures ; ground sculpture very fine. Antennae with the 4th and 5th joints slightly longer than broad, the following as long as broad, scarcely differing from one another. Thorax about as long as broad the sides nearly straight, very slightly retracted in front with dorsal row of six small punctures and four others externally ; ground sculpture as on the head. Scutellum closely and finely punctured. Elytra as long as the thorax, finely and rather closely punctured, finely pubescent. Abdomen extremely finely and densely punctured and pubescent throughout. Anterior tarsi dilated. First joint of posterior tarsi as long as the last. Sixth ventral segment with an acute, smooth triangular impression, its base arcuately emarginate.

G. Goentoer. 20-26.IX.25. Unique.

Philonthus rufoniger sp.n.

Shining, head and thorax bright red, scutellum, elytra and abdomen black ; thorax with dorsal row of nine or ten small punctures. Antennae with the 1st and 2nd joints reddish, the latter ringed with black, the last four clear yellow, the rest black. Palpi reddish. Legs reddish yellow. Length 10 mm.

In build somewhat like *pelimerus* Kr. but much larger and in all other respects different. ♀ : Head transverse, subquadrate the posterior angles rounded, a little broader than the thorax, on the front with a short median groove ; median interocular punctures slightly nearer to each other than to the lateral, eyes distinctly shorter than the postocular region,

behind them with a few small punctures : ground sculpture fine and close, wavy. Antennae with the 3rd joint a little longer than the 2nd, 4th and 5th slightly longer than broad, 6th as long as broad, 7th to 10th transverse, 11th as long as the two preceding together. Thorax a little longer than broad, a little widened in front, the sides straight, dorsal row of nine or ten moderate punctures, towards the anterior angles with a group of two or three small punctures and more posteriorly with another of five or six : sides with long black setae : ground sculpture as on head. Scutellum closely punctured. Elytra a little longer and broader than the thorax, rather finely, moderately closely punctured, the pubescence long, the sides with long black setae. Abdomen sparingly punctured on the 1st visible segment, rather closely at the bases of the 2nd and 3rd and the anterior halves of the 4th and 5th, the punctures aciculate, the 6th very sparingly punctured : pubescence scanty but with long setae at the posterior margins of the segments and at the sides.

Anterior tarsi simple. First joint of posterior tarsi longer than the last.

Kopeng, 14.V.33. (*Doesburg*). Unique.

Philonthus pluripunctus sp.n.

Closely allied to *eustilbus* Kr. but with the 1st joint of the antennae black, the penultimate joints shorter, very slightly longer than broad, thorax narrower, the punctures more numerous and closer and for the most part larger ; elytra more finely punctured and with slight brassy reflex, posterior margins of the first three visible segments of abdomen narrowly rufescent. From *eustilboides* Cam. it differs in the broader head, larger eyes, more closely punctured thorax, more finely and more closely punctured elytra with slight brassy reflex, the abdomen less finely punctured, and with the posterior margins of the first three visible segments rufescent and the tibiae and tarsi lighter. Length 7 mm.

Bandoeng Dago. 8.VII.30 ; 23.XII.29.

Also in Lombok.

Philonthus Toxopei sp.n.

Very shining, black, the elytra blue black, abdomen scarcely iridescent ; thorax multipunctate. Antennae black, the last joint yellow. Palpi and legs pitchy black. Length 7 mm.

In build somewhat resembling *borneensis* Bernh. but in all other respects different. Head transverse as wide as the thorax, the eyes about as long as the gently rounded and retracted postocular region, on the front with a linear impression, between the eyes with four quadrately placed punctures and several others on each side between the eye and the base ; ground sculpture absent. Antennae stout, the 3rd

joint as long as the 2nd, 4th as long as broad, 5th to 10th transverse, the penultimate a half broader than long, the 11th shorter than the two preceding together. Thorax slightly longer than broad, the sides straight, very slightly retracted behind, smooth along the middle, the dorsal row consisting of ten or eleven moderate punctures, the sides irregularly punctured with numerous larger and smaller punctures, and with some long setae; ground sculpture absent. Scutellum closely punctured. Elytra a little longer and broader than the thorax, finely and somewhat sparingly punctured, with rather long scanty pubescence, the sides setiferous. Abdomen rather closely punctured at the bases of the segments, very sparingly elsewhere, pubescence long and scanty. Anterior tarsi simple. First joint of posterior tarsi about as long as the last.

Tjibodas, alt. 1400 m. VI.32. (*Toxopeus*) Unique.

Cafius Steph.

corallicola Fauv. Babakan. 27.III.33. Widely distributed.

Hesperus Fauv.

semicoeruleus Bernh. var. *varicornis* n. In this form the last four joints of the antennae are yellow. G. Tangkoeban Prahoe, Preanger, alt. 4000—5000 ft. 14.V.30 : 20.VII.30. 24/V. 9/V/33.

Roepkei Bernh. var. *distincticornis* n. In this form the last three joints of the antennae are yellow. Batoerraden, G. Slammat X.31, IV.32. Bandoeng Dago, 20.V.29, 15.II.30. Tjilatjap, 20.VIII.26. Patimoean, Zuid Preanger, 7-12.VII.25.

Hesperus javanus sp.n.

Shining, head and thorax black, the latter with dorsal row of four large punctures, scutellum and elytra yellowish red. Abdomen iridescent, the first two visible segments yellowish red, each with central black iridescent spot, 3rd entirely yellowish red, 4th to 6th black, the posterior margin of the 4th and 5th narrowly reddish yellow. Antennae with the 1st and the last three joints yellow, 2nd reddish, the rest black. Palpi and legs reddish-yellow. Length 10.5 mm.

In build and antennal structure somewhat resembling *Vethi* Bernh. but in other respects quite different and resembling *borneensis* Bernh. in colour. Head strongly transverse, in the ♂ broader than, in the ♀ as broad as, the thorax, the eyes a good deal longer than the postocular region, the front narrowly grooved along the middle, on each side of the groove in the ♂ with a puncture; against the eye with a large puncture and behind with a few more. Antennae rather short, the 4th and 5th joints slightly longer than broad, the following transverse, the 11th as long as the 9th and 10th together.

Thorax as long as broad, the sides almost straight and parallel when viewed from above, dorsal row of four large punctures, externally with four others placed quadrately, the sides setiferous. Scutellum closely punctured. Elytra about a half longer and a good deal broader than the thorax, rather coarsely, moderately closely punctured and with a long scanty pubescence, the sides with setae. Abdomen finely and sparingly punctured ant with long hairs and setae.

♂ : Anterior tarsi dilated : 6th ventral segment with an arcuate emargination.

Batoerraden, G. Slamet. VIII.27.

Hesperus Drescheri sp.n.

Shining : head pitchy black, the front, postocular region and sometimes the base dark ferruginous red : thorax pitchy black the anterior border, anterior third of the sides, the base (with a short extension along the middle) and an indeterminate spot on each side of the middle, dark ferruginous red : dorsal row of three large punctures and a small one at the anterior margin : scutellum blackish : elytra black, the base more broadly and suture narrowly, the anterior third of the reflexed sides entirely, the rest narrowly, red, the postero-external angle and sometimes the posterior margin narrowly yellow : abdomen with the first three visible segments red, along the middle infusate, 4th black, narrowly dark red at the base, 5th black with the posterior margin yellow, 6th yellow. Antennae black, the last two joints yellow : mandibles and palpi red. Legs yellowish red the tibiae black with a narrow yellow ring just below the base as in *inaequalis* Fauv.

By the very uneven elytra allied to *inaequalis* and *picticollis*. Head formed as in *inaequalis* but with fewer punctures, the structure of the antennae scarcely differing from that species ; thorax as in *inaequalis* with similar large punctures in the dorsal row but with the smaller accessory punctures on the disc fewer and yet smaller, the lateral group of two punctures also smaller, those along the lateral margin itself scarcely differing from *inaequalis*. Scutellum densely and finely punctured. Elytra very uneven as in *inaequalis* and very similarly coloured, but with much more sparing puncturation, the abdomen also more sparingly punctured although the colouration is similar. The sides of the insect are similarly furnished with long black setae.

In the ♂ the head is broader, the anterior tarsi dilated and the 6th ventral segment broadly but very feebly emarginate. Batoerraden, G. Slamet, 9.I.32 : 22.II.32 : 7.XI.28.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 7.IX.28.

Hesperus preangeranus sp.n.

Very near *Feae* Fauv. but differing in the following respects, the head is a little broader with stronger metallic

reflex, the base very narrowly and obscurely reddish and with more numerous punctures against the eyes, the antennae are longer, the penultimate joints fully as long as broad, the last three yellow; the thorax is a little longer and narrower, near the base on each side with a small obscure brownish marking, but with the puncturation scarcely different, the scutellum is red and closely punctured, the elytra have exactly the same coloration as *Feae* and the puncturation scarcely differs, the abdomen has the posterior margin of the 4th visible segment narrowly and that of the 5th broadly yellowish red, but otherwise colored like *Feae*, these segments (4th and 5th) are also obviously less closely punctured than in *Feae*, the tibiae are entirely pitchy. Length 8.75 mm.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. II.34 : V.34.

Hesperomimus gen. nov.

Closely allied to *Hesperus*, but at once distinguished by the tufts of pubescence on the sides of the first four visible abdominal segments and the fascia of pubescence on the 5th. Moreover the mesosternal process is bluntly pointed and extends but little between the coxae whilst the metasternum is produced as a long narrow process to meet it so that the coxae are very narrowly separated. The 1st joint of the middle and posterior tarsi is longer than the three following together whilst the 4th is produced below the 5th as a short plate. The mandibles are similar to those of *Hesperus*, but the palpi are stouter, the 3rd joint of the maxillary is only half as long as the 4th, the 3rd joint of the labial half as long again as the 2nd.

Hesperomimus abdominalis sp.n.

Shining; head and thorax black, the latter without dorsal row of punctures; scutellum and elytra yellowish red: abdomen with the first two visible segments red, the following black, each side of the first four with a tuft of yellowish white pubescence, the 5th with a broad transverse fascia of similar pubescence posteriorly. Antennae with the 1st joint yellow, 2nd and 3rd reddish yellow, the following black, the 11th obscurely reddish: mouth parts reddish. Legs yellow, the anterior coxae black, the middle and posterior femora rather broadly infusate at apex, the corresponding tibiae narrowly infusate at apex, tarsi yellowish red. Length 13 mm.

Head transverse, suborbicular, wider than the thorax, the eyes about as long as the postocular region, median interocular punctures absent, only the juxtaocular present, in the middle towards the front with a small longitudinal impression, on the vertex with two moderate, widely separated punctures, behind the eyes with three or four others, here and there with an exceedingly fine, scarcely visible puncture:

ground sculpture absent. Antennae with the 3rd joint a little longer than the 2nd, 4th and 5th a little longer than broad, 6th to 10th transverse gradually increasing in width. Thorax a little longer than broad, the sides rounded and dilated in front, retracted and sinuate behind, the posterior angles rounded, along the middle behind with a fine impressed line, at the sides with a few fine scattered punctures otherwise impunctate and without ground sculpture, the sides with some black setae. Scutellum closely punctured. Elytra about a half longer and distinctly broader than the thorax, rather finely and closely punctured and yellow pubescent, the pubescence longer along the posterior margin and forming a fringe, the sides setiferous. Abdomen parallel, rather closely and coarsely punctured in the basal impressions, more finely elsewhere, the pubescence other than that forming the tufts and fascia, black. Anterior tarsi simple.

♂ : Unknown.

Batoerraden. G. Slamet. 21.X.28. Unique.

Tolmerinus Bernh.

brevipennis Bernh. G. Tangkoeban Prahoe. 14.I.30.

III.IV.I.X.33.

Platyschema gen. nov.

Of depressed form ; the neck narrow not much more than a third of the width of the head. Labrum transverse, acutely emarginate in the middle, the lobes rounded and with the anterior margin membranous. Maxillary palpi long and slender, the 2nd joint curved and gradually and strongly dilated towards the apex as in *Amichrotus*. 3rd shorter, a little thickened towards the apex, 4th very long, slender and pointed, nearly as long as the 2nd and 3rd together. Labial palpi rather long, slender, the 1st and 2nd joints of about equal length, the 3rd long and slender, pointed, as long as the first two joints together. Mandibles long slender and pointed, their structure and that of the tongue not visible. Pronotal epipleura narrow, the superior curved line joining the inferior well behind the anterior angle, adjacent to the coxal articulation, the large setiferous punctures remote from it. Mesosternal process produced fully half the length of the coxae, its apex rather broadly rounded, the metasternum separated from it by a long intersternal piece, the coxae rather widely separated. Legs rather long, tibiae spinose, the middle and posterior with a long black seta near the middle. Anterior tarsi moderate, the first four joints gradually decreasing in length ; middle and posterior with the 1st joint distinctly longer and stouter than the 2nd, 2nd to 4th gradually decreasing in length, the 5th as long as the two preceding together, as long as the 1st. The genus would appear to be related to *Amichrotus* and *Belonuchus*.

Platyschema javana sp.n.

Depressed, shining, black, the elytra greenish bronze. Antennae black. Palpi pitchy. Femora and tarsi pitchy, tibiae black. Length 8 mm.

Head a little longer than broad, subquadrate, as broad as the thorax, the posterior angles rounded, the eyes shorter than the post-ocular region, between the eyes broadly depressed, the front, a plaque on the vertex and a narrow median connecting line smooth, the rest of the surface moderately finely closely punctured, at the inner margin of the eye with a large setiferous puncture and between its posterior margin and the neck with two or three others; ground sculpture very fine, wavy; pubescence short and very sparing. Antennae with the 3rd joint a little longer than the 2nd, 4th to 7th a little longer than broad, gradually decreasing in length, 8th and 10th about as long as broad, 11th shorter than the two preceding together. Thorax longer than broad (4.5 : 3.5 :), widest at the rounded anterior angles, the sides seen from above straightly retracted backwards and but slightly sinuate before the rounded posterior angles, along the middle with a fine impressed line, on each side with a row of three large punctures and one more remote on the anterior border itself, externally with a group of three moderate punctures, the antero-external region rather closely covered with smaller punctures; ground sculpture as on head; at the sides with two or three setae, otherwise practically without pubescence. Scutellum closely, moderately finely punctured. Elytra as long as but a good deal broader than the thorax, closely, moderately finely punctured, finely and sparingly pubescent, the sides with five or six short setae.

Abdomen nearly parallel to the apex, closely moderately finely punctured except on the last segment where it is more sparing, the bases of the first three visible segments feebly transversely impressed: pubescence fine. Anterior tarsi simple in both sexes.

♂ : 6th ventral segment a little produced and broadly rounded in the middle, and with a small acute triangular smooth impression.

G. Tangkoeban Prahoe, II.34 : 24.VI.29.

Belonuchus Nordm.

ferrugatus Er. Batoerraden, G. Slammat, V.28; Noesa Kambangan, V.28 : Tjilatjap, 20.VIII.26. Bandoeng, II.30. (*Toxopeus*).

ruficeps Cam. G. Tangkoeban Prahoe, alt. 4000—5000 ft. 24.IX.29 : 20.XII.30 : 24.IX.29 : 17.XII.32.

quadratus Kr. v. *nigripennis* Cam. Tjilatjap, 20.VIII.26 : Batoerraden, G. Slammat, VIII.27 : Also in Sin-

gapore and Indo-China.

mutator Fauv. G. Boerrangrang, Preanger. 9.V.II.33. Also in Lombok.

rufoniger Fauv. v. *montanus* Fauv. G. Tangkoeban Prahoe, alt. 4000—5000 ft. X.34.

Belonuchus picticollis sp.n.

Shining, red, the head with a broad curved blackish fascia between the eyes, sericeous; thorax with similar fascia across the anterior third but not extending to the anterior margin itself and produced backwards between the dorsal rows of punctures so forming a T-shaped marking, sericeous; elytra with a very obscure blackish spot at the postero-external angles: abdomen black, the posterior margins of the first five visible segments and the whole of the 6th reddishyellow. Antennae black, the first two joints reddish, the last two yellow. Palpi and legs reddish. Length 8.5 mm.

Differs from *ferrugatus* in the coloration, narrower thorax, rather more finely and distinctly less closely punctured elytra. Head transverse, quadrate, a little broader than the thorax, the punctures fewer than in *ferrugatus*, but similarly situated. Thorax slightly longer than broad, the sides not sinuate behind the anterior angles, retracted behind, the dorsal row of six contiguous punctures and one more remote on the anterior border, externally with a group of eight or nine small punctures, the ground sculpture well marked as on the head. Scutellum closely punctured. Elytra a little longer and broader than the thorax, finely and rather closely punctured. Abdomen finely and rather closely punctured, much less closely towards the posterior margins of the segments, pubescence fine and scanty.

G. Boerengrang, Preanger: Alt. 1600 m. 9.VII.33 (Jacobson). G. Tangkoeban Prahoe, alt. 4000—5000 ft. I.34.

Belonuchus abdominalis sp.n.

Near *rufoniger* Fauv. but at once distinguished by the coloration: all the margins of the thorax are narrowly but distinctly yellowish red, the scutellum like the elytra also yellowish red, the first five visible segments of the abdomen have their posterior margins distinctly and rather broadly yellowish, whilst the 6th is almost entirely so, often the first two segments are entirely of this colour. The antennae are formed as in *rufoniger* with the first three and the last two joints red, the sculpture of the head scarcely differs from that of *rufoniger*, the thorax has a dorsal row of six punctures of which the anterior and posterior are more remote from the others, the elytra are less finely and the abdomen rather less closely punctured than in that species. Length 8.5—11 mm.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. X.33. I.34.

Phucobius Shp.

cupreipennis Cam. Bakakan, 27.III.33. Also in Singapore and Borneo.

Staphylinus L.

marmorellus Fauv. G. Tangkoeban Prahoe, alt. 4000—5000 ft. 6.II.29 : 24.III.30 : VI.33 : Also in Burma and Sumatra.

rufipennis Cam. Batoerraden, G. Slammat, VI.VII.28 : Also in the Malay Peninsula.

chalceus Bernh. G. Raoeng, alt. 450—700 m. 12.I.33 : (*Lucht*) Batoerraden, G. Slammat, 1.12.IX.27. Also in Sumatra and Malay Peninsula. The specimens from Java. have the elytra obscurely mottled with brownish spots. It may be distinguished as var. *Javanus*.

Staphylinus (Platydracus) associatus sp.n.

Very near *marmorellus* but differing as follows, the average size is larger (17 mm.), the colour of the antennae, palpi, elytra and abdomen more reddish, the pubescence of the head and thorax is less dense and of a golden red colour, the latter without the brown patches of pubescence present in *marmorellus*, similarly the maculae on the disc of the elytra are less marked and more confluent, the pubescence finer and golden red, the median fascia of golden hairs along the abdomen is more distinct, the head less transverse, in all other respects resembling *marmorellus*.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 6.II.29 : V.VII.33.

Staphylinus (Platydracus) Drescheri sp.n.

Fore-parts moderately shining, brassy bronze, the elytra with a few small scattered spots of short golden pubescence : abdomen dark reddish brown, the first five visible segments distinctly bifariate, the fasciae blackish brown and separated by median triangular spots of golden pubescence extending the whole length of the segments. Antennae blackish, the first two joints reddish below. Femora reddish yellow, the rest of the legs more or less blackish. Length 10—13 mm.

Very similar to *marmorellus* in size and build, but with the head and thorax entirely brassy bronze, much more coarsely and rugosely punctured, much less pubescent, vertex with a short median shining space, eyes a little smaller, the postocular region slightly widened behind, penultimate joints of antennae slightly less transverse, elytra differently coloured, much less pubescent, more strongly wrinkled, scarcely punctured, with spots of short golden pubescence especially towards the sides, and long black hairs. Abdomen as above

described and with long black and short scattered golden hairs towards the sides. More like *asemus* Kr. in the colour, sculpture and pubescence of the fore-parts, but smaller, the eyes smaller, temples longer, elytra more distinctly maculate, the median golden triangular spots on the abdomen more distinct and extending the whole length of the first two segments.

♂ : 6th ventral segment with a broad arcuate emargination.

G. Tangkoeban Prahoe, alt 4000—5000 ft. 17.X.28 : 8.X.29.

Stanhylinus (Platydracus) suspiciosus sp.n.

Very similar to *Drescheri* but the head is narrower, the eyes much longer than the post-ocular region, the antennae shorter the joints more transverse, the 1st joint yellow, infusate above ; puncturation of head and thorax not so coarse, elytra less brassy, blacker, abdomen less distinctly bifariate, in other respects like *Drescheri*. Length 10 mm.

Zuid Banjoemas, Djeroeklegi. 29.V.32. Unique.

Staphylinus (Platydracus) preangeranus sp.n.

Very similar to *auropubescens* Cam. in nearly all respects and only differs in the much more finely punctured elytra which are also more distinctly maculate, two brownish spots on the lateral margins being much more marked and the golden yellow patch at the postero-external angle more defined ; the anterior femora and tibiae are pitchy and the middle femora infusate anteriorly, the abdomen evidently less coarsely punctured. Length 12—13 mm.

Bandoeng Daqo, 22.III.29. Blawan, Idjen Plateau. alt. 900—1500 m. 10.XII.32 (*Lucht*).

Ontholestes Ganglb.

marmoratus Er : Batoerraden, G. Slam. 18.I.29.

Thoracostrongylus Bernh.

javanus Bernh. G. Tangkoeban Prahoe, alt. 4000—5000 ft.

Thoracostrongylus apicicornis sp.n.

Similar in all respects to *javanus* except as follows, the last two joints of the antennae are clear yellow, the 9th sometimes reddish, the metasternum, reflexed sides of the elytra and the first three ventral segments of the abdomen yellowish red. Length 7.5 mm.

Perhaps only a form of *javanus*. The specimens show no secondary sexual characters and are presumably females.

Batoerraden, G. Slam. VII.28 : 6.IV.30 : V.33.

Thoracostrongylus picticollis sp.n.

Head black with slight metallic reflex ; thorax red with transverse black fascia at the anterior margin not reaching

the lateral margins or the anterior angles, but produced triangularly backwards along the middle towards the base; pubescence golden yellow; scutellum red; elytra red, the posterior margin narrowly yellow, the postero-external region with a rather large lozenge-shaped blue-black spot; abdomen with the 1st three visible segments red, the first two of them with a large black median marking extending the whole length of the segment, the 3rd with narrower triangular black spot reaching the posterior margin, the segments closely covered with short golden yellow pubescence except on the black mark, 4th and 5th segments black, the posterior margin of the latter narrowly yellow, the 6th yellow at base, black at apex. Antennae black the 8th to 10th joints clear yellow, 11th black. Palpi reddish. Legs yellowish red, the apical half of the femora slightly infusate. Length 10 mm.

In the colour pattern of the elytra and abdomen very similar to *elegans* Cam. the antennae very similarly constructed but differently coloured, head a little more transverse with stronger metallic reflex, thorax rather less finely punctured etc. Head broader than the thorax transverse, the eyes much longer than the rounded post-ocular region, on the vertex with small shining impunctate space, the front coriaceous, elsewhere very closely, moderately finely and rugosely punctured. Antennae with the 8th to 10th joints about as long as broad. Thorax a good deal longer than broad, the sides rounded in front, sinuately retracted behind, the sculpture as on the head and with a short golden red pubescence. Scutellum closely punctured and with sparing golden red hairs. Elytra as long as but broader than the thorax, closely finely and roughly punctured, the pubescence fine and short golden red, black on the spots and with some long black setae. Abdomen closely and finely punctured and pubescent, the pubescence corresponding in colour to the colour pattern and with some long black setae. *)

♂ : Unknown.

Batoerraden, G. Slamet. X.27 : II.30.

Rhyncocheilus Shp.

javanicus Epp. G. Tangkoeban Prahoe, alt. 4000—5000 ft.
21.IV.33 : 21.IV.30 : 3.VI.30 : 16/II. 8/III.33.

Rhyncocheilus Drescheri sp.n.

Head and thorax greasy lustrous, blackish brown, variegated.

*) This species is very closely allied to one from Borneo, Quop, W. Sarawak, collected by Mr. Bryant, 28.VII.14. It has the last 4 joints of the antennae clear yellow, the intermediate joints a little longer, the smooth space on the vertex of head much larger and the thorax is uniformly red, in other respects similar to the above, *Bryanti* sp. n.

ted with spots of golden pubescence; labrum yellowish red, scutellum black, tomentose, at the base with a few yellow hairs; elytra more shining, light yellowish brown, slightly uneven, with a few very obscure darker spots and patches of yellow pubescence; abdomen black, the elevated side margins of the 1st three visible segments reddish and the adjacent area densely covered with golden pubescence, the 4th along the middle with a similar pubescence and the 5th in its whole extent and with four small black spots placed transversely. Antennae black, the first two or three joints yellowish red; palpi yellowish red. Legs reddish yellow, the femora infusate at base. Length 16—19 mm.

Of the size, colour, build and antennal structure of *Andrewesi* Cam. but at once distinguished by the 4th (visible) abdominal segment being rather closely covered with golden pubescence along the middle, the puncturation of the head and thorax is equally close but rather finer and the posterior margins of the first three ventral segments are narrowly and sharply red. From *princeps* Bernh. it is distinguished by the colour of the labrum, the longer penultimate joints of the antennae, the golden yellow fascia of the 5th (visible) segment and the golden yellow pubescence along the middle of the 4th segment.

♂: 6th ventral segment arcuately emarginate.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 16-26.IV.29: 9-III.12-IV.33.

Rhyncocheilus preangeranus sp. n.

♀: closely allied to *javanicus* ♀, similar in size, build, antennal structure, sculpture and colour, but at once distinguished by the pubescence being golden yellow equally dense and similarly arranged. Length 17—19mm. ♂: smaller 12—14 mm, the antennae shorter, the 6th to 10th joints asymmetrical, transverse and serrate: 6th ventral segment with narrow arcuate excision, in front of it with small triangular impression; 5th broadly and very slightly emarginate. This species would appear to be very similar to *Foersteri* but to differ in the structure of the antennae and thick pubescence on the elytra.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 14.V.30: 21-IV.30. 20.VII.30: 16-II.8-III.33.

Naddia Fauv.

Vethi Bernh. G. Tangkoeban Prahoe, alt. 4000—5000 ft. 5-17.XII.28.

Naddia javana sp. n.

Somewhat shining, head black, between the eyes with a small obscure reddish spot, the postero-external region from

the eye to the neck dark red ; thorax dark red, the lateral and posterior margins very narrowly and obscurely black : scutellum black, tomentose : elytra with a large dark red marking occupying the reflexed sides and extending on the disc towards the suture ; the base, shoulders, sutural region and posterior margin blackish : abdomen black, the raised lateral margins of the first three visible segments and adjacent area, reddish, and covered with a patch of yellowish white pubescence. Antennae blackish brown. Legs reddish brown. Length 12 mm.

Differs from *Vethi* in the colour, smaller size, shorter more transverse head, shorter temples, the posterior angles less produced behind, the rugae less interrupted, antennae a little shorter, the 5th. and 6th. joints shorter, the penultimate more transverse, thorax with stronger rugae. Head transverse, quadrate, broader than the thorax, the eyes much shorter than the temples, with coarse, close longitudinal rugae in front which behind become more or less broken up into coarse longitudinal granules ; pubescence long, scanty, yellowish. Antennae with the 3rd. joint longer than the 2nd., 4th. to 6th. a little longer than broad, gradually decreasing in length. 7th. to 10th. transverse. Thorax as long as broad, widest at the obtuse anterior angles, the sides feebly rounded and retracted to the rounded posterior angles, the rugae much coarser than on the head, oblique in front, more longitudinal and interrupted behind with coarse punctures between, near the base in the middle with a shining line ; pubescence as on the head. Elytra as long as but broader than the thorax, slightly wider behind, towards the lateral margin with a long impression, the sculpture consisting of coarse more or less transverse rugae, less coarse towards the suture and posterior margin and more interrupted ; pubescence yellow on the red area, longer and black elsewhere, the posterior margin fringed with long black hairs and a few shorter yellow ones. Abdomen rather closely punctured and closely covered with black pubescence except at the sides of the first three visible segments, where it is yellowish.

♂ : 6th. ventral segment with a small arcuate emargination.

G. Tangkoeban Prahoe, alt 4000—5000 ft. V.33. Unique.

Naddia Drescheri. sp. n.

Rather shining ; head, thorax, scutellum and abdomen black, the latter with the raised margins of the first three visible segments obscurely reddish, the adjacent area with a patch of scanty yellowish white pubescence, the 5th. at the base with distinct transverse fascia of similarly coloured pubescence ; elytra red. Antennae and legs dark reddish brown. Length 11 mm. In size and build very similar to *borneensis*, but differs in the coarser sculpture of thorax, colour, etc. Head slightly transverse, nearly as broad as the thorax, slightly widened

behind, the base deeply emarginate, the eyes nearly as long as the temples, the sculpture consisting of longitudinal rugae and umbilicate punctures which are much coarser at the postocular region, the pubescence scanty and yellow. Antennae with the 3rd. joint scarcely longer than the 2nd., 4th. to 10th. transverse, gradually increasing in width. Thorax as long as broad, the sides gently rounded and retracted behind to the rounded posterior angles, the anterior obtuse, along the middle from base to apex with a well marked shining line, the puncturation very coarse, close and deep, the spaces between raised and united so as to appear retiform. Scutellum black, tomentose, Elytra a little longer and broader than the thorax, parallel, very coarsely, rugosely sculptured, with a moderately close golden red pubescence, and more sparing and longer black and white hairs. Abdomen with some coarse punctures at the sides of the segments, elsewhere finely and closely punctured and with close black pubescence, except at the areas where the pubescence is yellow.

♂ : unknown.

G. Tangkoeban Prahoe, a.t. 4000—5000 ft. 21. IV.30 : 7.VIII.29.

***Tympanophorus* Nordm.**

jacobsoni Bernh. Bandoeng Dago, 30.VII.29.

Djeroeklegi, 16.I.29 : Tjilatjap, 26.I.32. Also in Sumatra.

The species recorded from Sumatra (Tijdsch. V. Ent. LXXVII, 1933, p. 392), as *rugosus* Waterh. is *jacobsoni*.

Tympanophorus javanus sp. n.

Similar in build and colour to *ventralis* Cam. and only differs in the following respects ; the head is shorter and broader, more transverse, the eyes smaller, about as long as the postocular region, the antennal joints a little less transverse, sculpture of the fore-parts distinctly coarser, the sculpture and pubescence of the abdomen scarcely differs from that of *ventralis* and the pubescence of the elytra is as in that species. The last abdominal segment is reddish. The longer thorax, the sides of which are straighter and more retracted behind at once distinguish this species and *ventralis* from all the known oriental forms. Length 10 mm.

♂ : 6th. ventral segment arcuately emarginate.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 24.III.30 ; 23.XII.29 ; 26.III.29 ; 23.I.29.

***Pammegus* Fauv.**

flavipes Fauv. Batoerraden, G. Slamet 7-9.VIII.26. Also in Sumatra and India.

Var. *ruficollis* Fauv. With the preceding. Also in Burma.

Pammegus javanus sp. n.

Very closely allied to *flavipes* and only differs in the following respects: the head is broader, more transverse, the elytra are coarsely but not rugosely punctured, the abdomen is much more coarsely punctured. The tibiae are infusate. Length 11 mm.

Telok Batong. 12.XII.28. Unique.

Taxiplagus Bernh.

abnormalis Bernh. G. Tanqkoeban Prahoe, alt 4000—5000 ft.
28.XI.28. 24.III.30.

Cyrtothorax Kr.*Cyrtothorax rufipennis* sp.n.

Shining, head and thorax black, the former with the frontal region yellowish red, the latter with the explanate lateral and posterior margins yellow; scutellum black; elytra red; abdomen with the raised lateral margins reddish, the 1st. visible segment black, the 2nd. black with small reddish lateral spot. the 3rd. red, only the base black, the following black; first three ventral segments red. Antennae black, the first three joints reddish, the 10th. and 11th. yellow. Legs reddish yellow. Length 13 mm.

Head transverse, suborbicular, as wide as the thorax, eyes very large; post-ocular region very short; the yellow frontal region bi-impressed, the impressions with a few small punctures, the rest of the surface sparingly and rather finely punctured; ground sculpture absent. Antennae with the 3rd. joint longer than the 2nd., 4th. to 6th. a little longer than broad, gradually decreasing in length, 7th. as long as broad, 8th. to 10th. slightly transverse, 11th. shorter than the two preceding together. Thorax slightly transverse, widest about the middle, the sides more retracted in front, their posterior half and the base explanate and impunctate, along the anterior margin on each side with six large umbilicate punctures, the rest of the surface very finely and sparingly punctured; ground sculpture absent. Scutellum coarsely punctured. Elytra a little longer and broader than the thorax, rather coarsely and moderately closely punctured, with short, stiff, semi-erect black hairs. Abdomen rather finely and closely punctured at the bases and sides of the first four visible segments, elsewhere practically impunctate, the 5th. rather closely covered with rather fine acicular punctures, the 6th. more sparingly. Anterior tarsi moderately dilated.

Batoerraden, G. Slamet. I—33. Pengalengan, alt. 4000 ft. 1893 (*Fruhstorfer*). Type, my collection.

Cyrtothorax octomaculata sp.n.

Shining, black, each elytron with four yellow spots, one at the shoulder, two placed obliquely on the disc, one of them very small a little distant from the shoulder near the side margin, the other larger often irregular in shape, nearer the suture and sometimes connected to the smaller spot, and another adjacent to the postero-external angle sometimes absent (var. *sexmaculata*), the posterior half of the suture narrowly reddish yellow. Antennae with the 1st. joint yellow, the following four and the 11th. reddish yellow, the rest black, sometimes with the 10th. reddish. Legs reddish yellow, the anterior femora infusate below, the tibiae slightly infusate. Length 8 mm. Head with the usual enormous eyes, as broad as the thorax, towards the front in the middle with a feeble impression and except for the usual juxta-ocular punctures, practically impunctate. Antennae with the 3rd. joint a little longer than the 2nd., 4th and 5th. slightly longer than broad, 6th. to 10th. transverse. Thorax slightly transverse of the characteristic form, along the anterior border on each side with four large punctures, otherwise (except for the usual marginal punctures) impunctate. Scutellum with a few punctures. Elytra slightly longer and broader than the thorax, very coarsely, rather closely punctured towards the sides, the base and posterior margin practically impunctate, sparingly clothed with long hairs. Abdomen closely punctured at the bases of the segments, less closely along the apical borders, the last two segments with a few fine scattered punctures, elsewhere impunctate, the pubescence long and scanty.

♂ : 6th. ventral segment with a shallow arcuate emargination.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. VII-VIII.33 : VII.30.

Cyrtothorax elegans sp.n.

Shining, head black, the frontal region reddish yellow ; thorax red, along the middle from base to centre or a little beyond with a blackish stripe, towards the lateral margin with a blackish spot ; scutellum black ; elytra black, the suture, shoulders, reflexed margins and postero-external angles yellow and with an oblique yellow fascia (usually dilated on the disc) extending from the reflexed margin behind the shoulder to the sutural angle, but sometimes not reaching so far ; abdomen with the first three visible segments red, rarely blackish with the posterior margins red, 4th., 5th. and 6th. black, the posterior margin of the former narrowly, that of the 5th. and 6th. broadly yellow. Antennae with the 1st. and 11th. joints yellow, 2nd. to 5th. reddish yellow, the others black. Legs reddish yellow. Length 7—8 mm. In all respects except the colour similar *octomaculata*.

Batoerraden, G. Slamet. IX.32 ; 22.III.30 ; 21.X.29 ; 9.I.32.

Quedius Steph.*Quedius (Sauridus) nigropolitus* sp.n.

Shining, black, the abdomen iridescent. Antennae black, the 11th. joint obscurely reddish. Legs black, tarsi reddish. Length 10 mm. Head a little transverse, suborbicular, narrower than the thorax, the eyes large, the post-ocular region short, at the base on each side with five or six moderate punctures, at the base of the antennal tubercle with another, two on the frontal margin and four or five along the orbital margin, otherwise impunctate and without ground sculpture. Antennae short, the 3rd. joint a little longer than the 2nd., 4th. and 5th. slightly longer than broad, 6th. to 10th. transverse. Thorax slightly longer than broad, the sides gently rounded and retracted towards the front, on each side of the middle with a rather irregular row of six or seven small punctures, externally with a few others irregularly placed, the sides with a few setae. Scutellum impunctate. Elytra scarcely longer but broader than the thorax, along the suture with a row of six or seven punctures, along the base with four others, the disc subserially punctured, the punctures rather large and arranged more or less in three rows, leaving a smooth space adjacent to the reflexed margin, this with a row of punctures along the reflexion itself; pubescence long and scanty, the sides setiferous. Abdomen parallel, rather finely and closely punctured, less closely at the apical margins of the segments, the last two more finely and more sparingly punctured; pubescence rather long and sparing.

Idjen Plateau, alt. 900—1500 m. 12.I.34. (*Lucht*). Unique.

Quedius (Indoquedius) javanus sp.n.

Shining, entirely black, the abdomen slightly iridescent. Antennae black, the last three joints yellowish red. Palpi yellowish red. Legs pitchy black, the anterior and middle femora and the tarsi reddish. Length 8.5 mm. Of less robust build than *filicornis* Epp., with longer, differently coloured antennae; longer, less coarsely and deeply punctured elytra and darker legs; near *borneensis* Cam., but smaller and narrower with more finely and less closely punctured elytra. Head large, transversely suborbicular, a little narrower than the thorax, with the very large and prominent eyes characteristic of the sub-genus, with five large punctures along the orbital margin and an exceedingly fine, scarcely visible, obsolete and very sparing puncturation; ground sculpture absent. Antennae slender, the 3rd. joint longer than 2nd., 4th. and following all distinctly longer than broad, gradually decreasing in length, 11th. a little longer than the 10th. Thorax very slightly transverse, the sides nearly straight, retracted towards the front, the posterior angles broadly rounded, be-

fore the middle on each side with a large puncture, the front margin on each side with three others, the sides and base with the usual marginal punctures, also with a scarcely visible and sparing puncturation. Scutellum with a few rather coarse punctures. Elytra slightly longer and broader than the thorax, with moderately coarse, not very close puncturation and long black hairs. Abdomen a little narrowed towards the apex, very finely and rather sparingly punctured, the pubescence as on the elytra. Anterior tarsi strongly dilated.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 5.IX.28 : 24.III.30 : 22.XI.28 : 29.VIII.28.

Acylophorus Nordm.

? *scutellaris* Bernh. G. Tangkoeban Prahoe, alt 4000—5000 ft. IV.34. Also in Borneo.

Acylophorus javanus sp.n.

Very near *furcatus* Motsch, but with the head a little longer and narrower, the antennae shorter, of a reddish brown colour, with the 11th. joint yellow, the legs pitchy, the anterior femora and the tarsi reddish yellow; elytra as long as the thorax, black, rather more coarsely and a little less closely punctured than in *furcatus*; abdomen less iridescent, the posterior margins of the segments scarcely rufescent. Length 5 mm.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 1.34. Unique.

Anchocerus Fauv.

birmanus Fauv. Batoerraden, G. Slamet : 13-14.III.26. Also in Burma.

Atanygnathus Jacobson.

piceus Motsch. Batoerraden, G. Slamet, 7—9.VIII.26. Widely distributed in the Oriental region.

terminalis Er. Tjilatjap, IV.25. Bandoeng, 10.VI.34.

Tachyporinae. **Mycetoporus Mannerh.**

Mycetoporus javanus sp.n.

Shining; head black, the front reddish yellow; thorax yellowish red; elytra blackish, the scutellum, a more or less distinct basal spot, and the posterior margin reddish yellow; abdomen blackish with the posterior margins of the segments broadly rufescent, sometimes entirely red. Antennae and legs reddish yellow. Length 3.75 mm. Belongs to the group with

very obsoletely punctured elytra. Head much narrower than the thorax, with a few extremely fine, scarcely visible punctures; ground sculpture absent. Antennae with the 3rd. joint longer than the 2nd., 4th. and 5th. a little longer than broad, 6th. as long as broad, 7th. to 10th. slightly transverse. Thorax slightly transverse, the sides gently rounded, more retracted in front, on each side of the middle a little behind the anterior margin with a very small puncture and another a little before the base on each side and with a few scarcely visible scattered punctures as on the head; ground sculpture absent. Scutellum impunctate. Elytra a little longer but scarcely broader than the thorax, along the suture with four or five very small and obsolete punctures, five or six equally small and obsolete externally and at the reflexed margin itself, with a similar row, otherwise impunctate. Abdomen very finely and sparingly punctured except at the base of the 1st. visible segment where the puncturation is much closer; pubescence rather long and scanty.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 14.I.30.

Bryoporus Kr.

Bryoporus orientalis sp.n.

Shining; black, the base of the elytra more or less rufescent, the posterior margins of the abdominal segments narrowly and obscurely reddish. Palpi and first two joints of the antennae yellow, the 11th. obscurely yellowish, the rest black. Legs reddish yellow. Length 5 mm. In build resembling *lineipennis* but with longer elytra, more slender antennae, the rows of punctures on the elytra finer and more obsolete. Head much narrower than the thorax, with a moderate puncture a little internal to the eye on each side, and a few extremely fine and obsolete scattered ones; ground sculpture absent. Antennae with the 3rd. joint a little longer than the 2nd., 4th slightly longer than broad, 5th, as long as broad, 6th. to 10th. transverse. Thorax a third broader than long, the sides rounded, more retracted in front, with a row of four small punctures placed transversely a little behind the anterior margin, another row similarly situated before the base and an extremely fine obsolete and scattered puncturation. Elytra more than a half longer than the thorax with seven rows of closely placed fine and somewhat obsolete punctures on each. Abdomen pointed, with rather close (especially at the bases of the segments) aciculate punctures.

G. Tangkoeban Prahoe, alt 4000—5000 ft. 3-15.II.33.

Bolitobius Mannerh.

Bolitobius (Lordithon) javanus sp.n.

Shining, black, the thorax and elytra slightly iridescent,

5th. visible segment of the abdomen with the posterior border narrowly reddish yellow. Palpi blackish. Antennae black, with the 1st. 2nd. and 11th. joints yellow. Femora reddish yellow, the tibiae and tarsi pitchy. Length 5.5 mm.

Head a little broader than long, with a few extremely fine scarcely visible punctures, the post-ocular region impunctate, ground sculpture absent. Antennae with the 3rd. joint slightly longer than the 2nd., 4th. a little longer than broad, 5th. thicker, about as long as broad, 6th. to 10th. slightly transverse. Thorax slightly longer than broad, the sides more retracted in front and like the base finely margined, with two median apical punctures near the anterior and two basal near the posterior border, otherwise practically impunctate, the ground sculpture extremely fine. Elytra about a third longer than the thorax, with six very fine punctures along the suture, four similar ones forming a subhumeral row and six others along the reflexion itself. Abdomen conical, the first two visible segments very finely and very sparingly, the 3rd. and 5th. equally finely but a good deal more closely punctured; the pubescence fine.

G. Tangkoeban Prahoe, alt 4000—5000 ft. 18-20.XII.32. Unique.

Bolitobius (Lordithon) Drescheri sp.n.

Head, thorax and abdomen yellowish red (the latter sometimes castaneous) with the posterior margin of the 5th. visible segment broadly yellowish; elytra reddish yellow; along the suture from the base nearly to the posterior margin more or less broadly and indeterminately blackish, the posterior half of the reflexed sides, also obscurely dark. Palpi blackish. Antennae with the first three or four joints reddish yellow, the 9th. to 11th. clear yellow, the rest black. Anterior legs reddish yellow, middle and posterior with the tibiae and tarsi more or less pitchy. Length 6—7 mm.

Readily recognised by the colour and the sculpture of the thorax. Head broader than long, the eyes prominent, distinctly punctured, the punctures varying in size but small and moderately close; ground sculpture absent. Antennae with the 4th. and 5th. joints a little longer than broad, 6th. to 10th. a little transverse, 11th. as long as the two preceding together. Thorax with the two median apical punctures situated very near the anterior border, the two pre-basal similarly placed as regards the base, occasionally with a pair of punctures a little before the middle; a broad area along the middle extending from the anterior border to the centre closely covered with small flat punctures, elsewhere with a few scattered ones; ground sculpture extremely fine, wavy. Elytra a fourth longer than the thorax, along the suture with four fine punctures, externally with a subhumeral row of five or six

others situated in a shallow groove and five or six more along the reflexed edge itself. Abdomen conical with a row of fine punctures along the posterior margins of the segments furnished with long black setae, the 6th. and 7th. with a few small scattered ones, otherwise practically impunctate, the sides setiferous.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 21.IV.30.

Bolitobius (Lordithon) bipustulatus sp.n.

Black, shining, the posterior margin of the thorax very narrowly yellowish, the elytra each with a rather large rounded yellow humeral spot, the posterior margin narrowly yellow, less narrowly at the postero-external angle; abdomen with the posterior margins of the segments rufescent. Antennae with the first four joints yellow, the following blackish, the 11th. obscurely yellowish. Palpi and legs yellow. Length 3.5 mm.

In colour pattern much resembling *proximus* Cam. but more robust, the antennae longer and more slender, the abdomen less punctured etc. Head about as long as broad, scarcely perceptibly and very sparingly punctured. Ground sculpture absent. Antennae with the 4th. joint small, about as long as broad, 5th. stouter, about as long as broad, 6th. to 10th. slightly transverse. Thorax with the apical and pre-basal punctures situated near the anterior and posterior borders respectively, otherwise impunctate except for the usual marginal punctures, the sides finely bordered, the base immarginate: ground sculpture absent. Elytra about a third longer than the thorax, with a sutural row of five small punctures, a subhumeral of four, the reflexed side with seven. Abdomen pointed, the posterior margins of the segments with transverse row of small, asperate setiferous punctures, the 7th. rather closely covered with acicular punctures, elsewhere nearly impunctate, the sides setiferous.

G. Tangkoeban Prahoe, alt 4000—5000 ft. 3-15.II.33.

Unique.

Bolitobius (Lordithon) preangeranus sp.n.

Shining, head black, thorax and abdomen yellowish red, the latter with the middle of the 4th. (visible) and base of the 5th. segments more or less infusate; elytra yellow, with large, ill-defined black triangular marking extending from about the middle of the reflexed margin to the suture near apex, thus occupying the whole postero-external region, the suture and base (sometimes) narrowly and obscurely darker. Antennae black, the first three joints, palpi and legs yellow. Length 4 mm.

Differs from *thoracicus* F. in the much longer antennae, colour of thorax and abdomen, shorter elytra with larger

and blacker marking. Head distinctly broader than long, glabrous. Antennae with the 4th. and 5th. joints a little longer than broad, the following about as long as broad. Thorax with the sides and base finely bordered, the apical and pre-basal punctures situated a short distance from their respective margins, glabrous. Elytra about a third longer than the thorax, along the suture with six or seven very fine punctures, another subhumeral row and one on the reflexed side, equally fine and similar in number. Abdomen conical, very finely and very sparingly punctured, more closely on the 7th. segment, the pubescence fine and sparing.

G. Tangkoeban Prahoe, alt 4000—5000 ft. 3-15.II.33.
21.IV.30.

Var. *Toxopei*. In this form the elytra are extensively yellow, the base not at all infusate, the black area smaller, and more sharply defined.

Tjibodas Gedeh, IV.31. (*Toxopeus*).

Bolitobius (s.str.) suturalis sp.n.

Shining; head black; thorax reddish yellow; scutellum black; elytra yellow with a broad ill-defined iridescent blackish fascia extending from the base along the suture nearly to the posterior border, the reflexed sides black, occasionally with the dark parts obscurely connected near the posterior border, or with the elytra blackish the yellow coloration much reduced or scarcely visible; abdomen red. Antennae black, the 1st joint yellow; palpi yellowish brown. Femora yellow. Tibiae and tarsi reddish. Length 5 mm. var. *collaris*. Thorax and abdomen black.

In build much resembling *exoletus* but with shorter elytra and more transverse penultimate antennal joints. Head a little broader than long, finely, obsoletely and sparingly punctured; ground sculpture absent. Antennae with the 4th. to 10th. joints transverse. Thorax with the margins extremely finely bordered, with four small punctures along the apical margin and two others at the base; ground sculpture extremely fine and wavy. Elytra about a fourth longer than the thorax, along the suture with five very small punctures, externally with five others situated in a shallow groove, and along the reflexion itself with six more. Abdomen with fine acicular punctures, closer at the bases and sides of the segments, nearly smooth in the middle, the 7th. segment less finely and more closely punctured all over.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 2-15.II.33.
Bolitobius (s.str.) decipiens sp.n.

Nandjoeng Djaja, G. Simpang, alt. 600 m. (*de Haas*).

Very closely allied to the var. *collaris* of the preceding species but at once distinguished by the 11th. joint of the antennae being entirely yellow, the 4th. and 5th. joints not

transverse but slightly longer than broad; the yellow sub-humeral fascia when present appears to be always narrower and less dilated behind than in *collaris*; in other respects there are no appreciable differences. Length 5—5.6 mm.

G. Tangkoeban Prahoe, alt 4000—5000 ft. 2-5.II.33, 21.IV.30, 24.XII.32.

Conosoma Kr.

robustum Cam. Koebangkangkoeng, Zuid Panjoemas, 31.I.32. Also in the Malay Peninsula and India.

breve Fauv. Tjibodas Gehed. IV.31. (*Toxopeus*). Also in the Malay Peninsula and India.

biguttatum Motsch. G. Tangkoeban Prahoe, alt. 4000—5000 ft. 17.XII.32. Also in the Malay Peninsula.

Euconosoma Cam.

(*Heterotachinus* Wend. *Verisim.*)

pictum Bernh. (*Conosoma*). (*elegans* Cam.). Batoerraden, G. Slamet, 27.II.28. Zuid Sumatra, G. Tanggamoës. 20.XII.33. (*de Giesting*). Also in Borneo.

Tachinus Gr.

Tachinus (*s.str.*) *javanus* sp.n.

Shining, black, the posterior margin of the thorax narrowly reddish (by translucency). Antennae and legs ferruginous red. Length 6 mm. Head extremely finely, sparingly punctured and without ground sculpture.

Antennae short and stout, the 3rd. joint a little longer than the 2nd., the 4th. to 10th. transverse, gradually increasing in width. Thorax one half broader than long, the sides gently rounded, more retracted towards the front, a little less finely and distinctly more closely punctured than the head; ground sculpture absent. Scutellum finely and sparingly punctured. Elytra parallel, half as long again as the thorax and scarcely broader, with a row of four or five larger punctures near the side margin and otherwise moderately finely and rather closely punctured; ground sculpture absent. Abdomen narrowed towards apex, rather closely covered with moderately fine acicular punctures, the posterior margins of the segments impunctate.

♀ : 8th. dorsal segment with four pointed processes, the median pair more produced backwards than the lateral. 6th. ventral segment with four processes, the median pair parallel and separated by a deep excision with rounded fundus, the

apex of each process with three setae; lateral processes stouter, sub-triangular less produced backwards than the median and separated from them by an arcuate emargination.

G. Tangkoeban Prahoe, alt 4000—5000 ft. II.34. Unique.

Tachinomorphus Kr.

fulvipes Er. var. *niger* Cam. G. Slam. V.25.

Batoerraden, V.VII. VIII. 26. Tjilatjap IV.25.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. XII.33.

Zuid Amatra, G. Tanggamoos, 20.XII.33 (*de Giesting*).

Widely distributed in the Oriental region.

Tachinoderus Motsch.

Tachinoderus javanus sp.n.

In colour, build and antennal structure similar to *longicornis* and *himalayicus* but smaller (3.5 mm), and with the rows of punctures on the elytra irregular, the punctures themselves much finer but varying in size, externally along the side margin with a practically impunctate space, the reflexed margin punctured, the abdomen is much more finely and absolutely punctured than in the other two species.

G. Tangkoeban Prahoe, alt. 4000—5000 ft. 6.IX.33.

Coproporus Kr.

latus Motsch. G. Tangkoeban Prahoe, alt. 4000—5000 ft. 5.IX.28: V.33. Also in Sumatra, Malay Peninsula and Burma.

flavicornis Kr. Batoerraden, G. Slam. 8.VIII.26. G. Boerangrang, 9.VII.33. Nondjoeng-Djaja, alt. 400 m. 28.VII.33 (*de Haas*). Also in Sumatra and Burma.

brunneicollis Motsch. G. Tangkoeban Prahoe, alt. 4000—5000 ft. v. 33. Widely distributed in the Oriental region.

sanguinolentus Motsch. Batoerraden, G. Slam. 11.VII.26, 30.VIII.26. Also in the Philippines.

iridescens Cam. G. Tangkoeban Prahoe, alt. 4000—5000 ft. 17.XII.32. Also in Borneo, the Malay Peninsula and Philippines.

planus Fauv. G. Slam. V.25. Also in Burma, Assam, Sumatra, Tonkin and E. Africa.

sulcicollis Bernh. Noesa Kambangan, V.25. Also in Sumatra.

melanarius Er. Tjilatjap, 20-25.VIII.26. Widely distributed in the Oriental region.

heterocerus Fauv. (*varians* Cam.). G. Slam. 12.VII.25.

Also in Sumatra, Singapore, Malay Peninsula and Seychelles.

Coproporus coriaceus sp.n.

Foreparts greasy lustrous, the abdomen more shining, pitchy black, the posterior margin of the thorax and occasionally the sides narrowly and obscurely reddish; the posterior margin of the elytra very narrowly but distinctly reddish yellow, the posterior margin of the abdominal segments scarcely perceptibly rufescent. Antennae and palpi clear reddish yellow. Legs yellowish red. Length 4 mm.

In size and build resembling *latus*, but with shorter, clear reddish yellow antennae and different sculpture. Head, thorax and elytra strongly coriaceous, here and there with a minute puncture, abdomen much less strongly coriaceous with equally small but more numerous punctures and short, scanty hairs. Antennae with the 3rd. joint a little longer than the 2nd., 4th. and 5th. slightly longer than broad, 6th. to 10th. transverse.

G. Patoeha, alt. 5000 ft. 19-25.IX.26. Tjibodas Gedeh, IV.31. (*Toxopeus*).

Leucoparyphus Kr.

limbifer Motsch. Bandoeng, 25.X.33. Balakan, Zuider Geb, 28.VIII.27. Widely distributed in the Oriental region.



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