

REVISION OF THE EROTYLIDAE (COLEOPTERA) OF THE LEIDEN MUSEUM

by

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With 5 textfigures

In 1941 and 1942 I studied the rather extensive collection of Erotylidae in the Rijksmuseum van Natuurlijke Historie, the results of this study are given in the following pages. The collection is chiefly composed of material which during a long series of years gradually was acquired by the Museum, though a great deal formerly was a part of private collections which later as a whole became the property of the Museum and then the specimens were incorporated into the general collection. The most important of these private collections is that of Dr. H. J. Veth, other important collections are those of Dr. D. MacGillavry, and of Mr. J. J. de Vos tot Nederveen Cappel, the latter collection recently presented to the Museum. Moreover the Museum possesses certain collections which have to remain as separate units besides the general collections. Erotylidae are contained in some of these, viz., that of Jhr. Dr. E. J. G. Everts (the standard collection of Netherlands Coleoptera), that of Mr. A. E. Kerkhoven, and that of Mr. A. J. F. Fokker van Crayesteyn van Rengerskerke. Under each species the material of these collections is mentioned after that of the general collection of the museum.

Several specimens proved to be representatives of new species or new varieties, these are described in the following pages. Among these there are a number which were labelled by P. Kuhnt with a new name, which apparently never was published. I have named these species with the museum names already given to them by Kuhnt, as also in other collections these names may be already present.

Behind the name of each species the measurements are given in mm, these measurements (length, and in several cases also the maximum breadth) are those of the specimens in the collection. When in the dates of collecting the months are given these are indicated by Roman numerals.

I want to express my thanks to Prof. Dr. H. Boschma, Dr. H. C. Blöte

and Dr. C. de Jong, who during the course of my work helped me with advice and information. I am indebted to Mr. P. van 't Zelfde for the drawings showing the shape of the animals and in most cases their design. In all the drawings the eyes are left uncoloured, whether they are yellow or black or otherwise tinted. Usually the rows of punctures and other minor details are omitted in the figures.

Besides numerous other papers containing descriptions or other particulars of Erotylidae I constantly used the following works, which form the most important publications on the group:

Arrow, G. J., 1917. A systematic revision of the African species of the coleopterous family Erotylidae. *Ann. Mag. Nat. Hist.* (8), vol. 20, p. 137.

Arrow, G. J., 1925. Coleoptera, Clavicornia, Erotylidae, Languriidae and Endomychidae. *The Fauna of British India including Ceylon and Burma.* London.

Crotch, G. R., 1876. A revision of the coleopterous family Erotylidae. *Cistula entomologica*, vol. 1, p. 377.

Heller, K. M., 1918. Zur Klassifikation einiger afrikanischer Erotyliden. *Entomologische Blätter*, Jhrg. 14, p. 136.

Heller, K. M., 1918. Beitrag zur Kenntnis der Erotyliden der indo-australischen Region mit besonderer Berücksichtigung der philippinischen Arten. *Arch. Naturgesch.*, Jhrg. 84, Abt. A, Heft 8, p. 1.

Kuhnt, P., 1909. Coleoptera, Fam. Erotylidae, Subfam. Erotylinae. *Genera Insectorum*, publ. par P. Wytzman, fasc. 88. Bruxelles.

Kuhnt, P., 1911. Erotylidae. *Coleopterorum Catalogus*, pars 34. Berlin.

Lacordaire, Th., 1842. *Monographie des Erotyliens, famille de l'ordre des Coléoptères.* Paris.

The most recent keys of the subfamilies and genera of the whole family of the Erotylidae are by Kuhnt (1909, *Genera Insectorum*, fasc. 88). As these are no more up to date I have made the following keys to facilitate a survey of the family.

Family Erotylidae

Key to the subfamilies and genera

- | | |
|---|------------|
| 1. Club of the antennae composed of distinct joints | 2 |
| — Club of the antennae composed of indistinct joints, solid, round, last joints reduced | Euxestinae |
| 2. Terminal joint of the maxillary palpus not transverse; the three basal joints of the tarsus not widening from the 1st to the 3rd | Dacninae |
| — Terminal joint of the maxillary palpus transverse; the 3 basal joints of the tarsus widening from the 1st to the 3rd | 3 |
| 3. Sides of the mouth cavity carinate; maxillae with 2 teeth | Encaustini |
| — Sides of the mouth cavity forming flattened lobes | 4 |

4. Maxillae with 2 teeth. America Erotylinae
 — Maxillae without teeth Tritomini
 The Encaustini and the Tritomini belong to the Tritominae.

Erotylinae

1. Rostrum very long and narrow; head bent downward; large, oval, projected eyes
Rhynchothonius Cr. 2
 — Rostrum not long and narrow; head not bent 3
 2. Eyes largely faceted 3
 — Eyes finely faceted 7
 3. Pronotum very broad, excavated in front, body globular, shining
Cyclomorphus Hope 4
 — Pronotum nearly square 4
 4. 3rd antennal joint as long as the 4th. Elytra wrinkled *Scaphengis* Gorch. 5
 — 3rd antennal joint longer than the 4th. Elytra smooth 5
 5. Thorax almost as long as broad, legs long, body shining *Thonius* Lac. 6
 — Thorax broad, body oval 6
 6. Prosternum not carinate; tarsi short; clypeus projected in front
Perithonius Crotch
 — Prosternum carinate; tarsi rather long; clypeus round *Euphanistes* Lac.
 7. Antennae consist of 10 joints; body hardly 2 mm *Brachylon* Gorch. 8
 — Antennae consist of 11 joints; body always larger 8
 8. Body nearly round, or broadly oval, or globular 9
 — Body not round or globular 11
 9. Head retracted into the prothorax; antennae short; thorax short and curved
Plastococcus Gorch.
 — Head not retracted; thorax not strongly curved 10
 10. Basal angles of prothorax rectangular. Front of the thorax moderately excavated
Coccimorphus Hope
 — Basal angles of prothorax are acute angles. Front of the prothorax strongly
 excavated *Aegithus* Fabr.
 11. Rostrum wedge-like, short, not narrowed at its base 12
 — Rostrum square, narrowed at its base 16
 12. Pronotum with some impressions; elytra with double rows of punctures
Micrerotylus Crotch
 — Pronotum smooth 13
 13. Thorax small; narrower than the base of the elytra. Length of the antennae $\frac{1}{3}$
 of that of the body *Dichomorpha* Kuhnt 14
 — Thorax larger; antennae shorter 14
 14. Rostrum very acute; thorax circularly excavated, with a broad punctuated
 notch on its base *Sphenoxus* Lac. 15
 — Rostrum short; thorax without a punctuated notch 15
 15. Head of the male excavated and provided with a horn or plate *Cytorea* Cast.
 — Head without any excavation or horn or plate *Brachysphaenus* Lac.
 16. Elytra heart-shaped; strongly narrowed at their end *Eurycardius* Lac.
 — Elytra not so 17
 17. Body oval; thorax small, forming with the head an acute triangle; legs and
 antennae very long and slender *Homoeotelus* Hope
 — Not so 18
 18. Pronotum with many impressions 19
 — Pronotum with hardly visible impressions 20
 19. Thorax without a distinct basal margin *Erotylus* Fabr.

- Thorax with a distinct basal margin *Cypherotylus* Crotch.
- 20. Base of thorax with 2 curves, nearly smooth. Rostrum slender, very narrow at its base *Zonarius* Hope
- Base of thorax without curves 21
- 21. Basal projection of the prothorax narrow; prothorax large, nearly as long as broad 22
- Basal projection of the prothorax broad 23
- 22. Prosternum not carinated, convex *Scaphidomorphus* Hope
- Prosternum carinated *Prepopharus* Er.
- 23. Antennae slender, often as long as the half of the body *Priotelus* Hope
- Antennae short, but little longer than the base of the thorax 24
- 24. Femora short, not surpassing the margin of the body. Base of thorax more than twice as broad as long *Tapinotarsus* Kirsch
- Femora long, surpassing the margin of the body 25
- 25. Body oblong; elytra rough *Phricobacis* Crotch
- Body oval; elytra with double rows of punctures *Bacis* Lac.

Encaustini

- 1. Eyes finely faceted; clubs of the antennae consist of 6 joints *Hedista* Weise
- Eyes coarsely faceted; clubs of the antennae consist of 3 joints 2
- 2. Last coxae without tangential lines 3
- All the coxae with tangential lines *Aulacochilus* Lac.
- 3. Without any tangential lines 4
- Prosternum with tangential lines *Micrencaustes* Crotch
- 4. 3rd antennal joint hardly longer than the 2nd; prothorax with 2 combs. Elytra also with combs *Asmonax* Crotch
- 3rd antennal joint longer than the 2nd; thorax smooth, elytra often without, rarely with a fine comb *Encaustes* Lac.

Tritomini ¹⁾

- 1. Clypeus squarely excavated *Pselaphacus* Perch.
- Clypeus not excavated or with a small curve 2
- 2. Chin of oblong square shape, in front narrow; eyes finely faceted. Central America 3
- Chin in the shape of a plate of which the front angles are excavated; or a trapezium; or square with an excavated front 33
- Chin mostly triangular, often with various peculiarities: with 2 small dents on the base, or the top provided with a dent, etc. 4
- 3. Labial palpi with triangular terminal joints *Haematochiton* Gorh.
- Terminal joints of the labial palpi square *Scaeoither* Gorh.
- 4. Eyes coarsely faceted 5
- Eyes finely faceted 9
- 5. Terminal joints of the labial and maxillary palpi are of one size *Oocyannus* Hope
- Not so 6
- 6. Terminal joints of the labial palpi are strongly enlarged. America 7
- Not so *Amblyopus* Lac.

1) The genera *Pseudischyrus* Cas. and *Renania* Lew. are not included in this key. The description of *Pseudischyrus* (Casey, Mem. Col., vol. 7) was not available to me; the description of *Renania* does not contain sufficient distinct characters to be used for this purpose.

7. Eyes moderately coarsely faceted *Callischyrus* Crotch
 — Eyes very coarsely faceted 8
8. Body 5-10 mm long. Antennal club short *Ischyrus* Lac.
 — Body 12-24 mm long. Antennal club long *Megischyrus* Crotch
9. Head greatly dilated *Zythoma* Westw.
 — Head normal 10
10. Fore part of the head elongated, with all the organs of the mouth attenuated. Africa
Rhynchotritoma Arr.
 — Not so 11
11. Tarsi strongly dilated. Africa 12
 — Not so 13
12. Prosternum bilobed behind. Above without hairs *Palaeolybas* Crotch
 — Prosternum enlarged behind. Above covered with hairs *Trichotritoma* Arr.
13. Body shining; short, oval or broadly oval. America 14
 — Not so 17
14. Tibiae strongly dilated at the end. Thorax with a blunt basal projection
Mycolybas Crotch
 — Tibiae not strongly dilated 15
15. First tarsal joint longer than the 2nd and 3rd together *Pseudolybas* Gorch.
 — First 3 tarsal joints equal 16
16. Terminal joint of the maxillary palpus nearly square, not broad; chin nearly
 triangular *Lybanoides* Gorch.
 — Terminal joint of the maxillary palpus moderately broad; chin not triangular,
 with 3 dents *Lybas* Lac.
17. Antennal club consists of 3 joints, distinctly separated or not 18
 — Antennal club consists of 4 or more joints 29
18. Terminal antennal joint broad, truncate 19
 — Terminal antennal joint not broad 20
19. Tibiae very short and broad *Petaloscelis* Gorch.
 — Tibiae not very short and broad *Aporotritoma* Arr.
20. Fore tibiae hollowed at the end, not toothed 21
 — Fore tibiae toothed, not hollowed *Dactylotritoma* Arr.
21. First tangential lines parallel and curved inward behind the front 22
 — First tangential lines absent, or converging, diverging, or when parallel, not
 reaching the front 23
22. Middle tangential lines absent *Rhopalotritoma* Hell.
 — Middle tangential lines present *Rhopalotriplax* nov. gen.
23. No distinct separation between club and antennae; first tangential lines con-
 verging, middle tangential lines distinct *Cyrtomorphoides* Hell.
 — Distinct separation between club and antennae 24
24. Prosternum in front raised 25
 — Prosternum not raised 26
25. Prosternum with a sharp dent, body globular *Titorma* Hell.
 — Prosternum with a large blunt hunch; terminal joint of the maxillary palpus
 4 times as broad as long *Neotrimota* nov. gen.
26. Club of the antennae very flat and closely jointed 27
 — Club of the antennae not very flat and closely jointed 28
27. Head with stridulatory files, last joint of the antennae often very small, under
 chin often very large *Cyrtomorphus* Lac.
 — Head without stridulatory files, last antennal joint very large *Neotriplax* Lew.
28. Prosternum with diverging tangential lines *Tritomophasma* Hell.
 — Prosternum with converging tangential lines, long or short, separated or not;
 middle and hind coxae widely separated *Tritoma* Fabr.

- Prosternum without tangential lines; middle and hind coxae not widely separated
Rhodotritoma Arr.
29. Terminal joint of the maxillary palpus elongate, with microscopical long truncature on one side *Xenotritoma* Arr.
- Terminal joint of the maxillary palpus in normal manner enlarged 30
30. First tangential lines very short or absent 31
- First tangential lines long, converging, separated or not before the middle of the prosternum *Spondotriplax* Crotch
31. First tangential lines present *Phoxogenys* Gorch.
- First tangential lines absent 32
32. Middle tangential lines present *Lybatomorpha* Hell.
- Middle tangential lines absent *Tetratritoma* Arr.
33. Chin in the shape of a plate of which the front angles are excavated 35
- Not so 34
34. Chin is square with an excavated front. Canary Islands *Xestus* Woll.
- Chin is a trapezium. Base of the elytra marginated. Chili *Neoxestus* Crotch
35. First tangential lines very short and curved inward. Africa
- Not so. America *Neomycotretus* nov. gen. 36
36. Antennal club consists of 4 joints, which often are very indistinct. Terminal joint of the maxillary palpus cup-shaped *Mycotretus* Lac.
- Antennal club consists of 3 joints 37
37. Terminal joint of the maxillary palpus moderately enlarged, triangular. Chin square or with a rounded front *Mycophthorus* Lac.
- Terminal joint of the maxillary palpus strongly enlarged, chin pentagonal 38
38. Tibiae at their end angularly enlarged *Mycocystes* Gorch.
- Tibiae not enlarged *Paratritoma* Gorch.

Dacninae

1. Antennal club indistinctly separated from antennae 2
- Antennal club distinctly separated 3
2. Terminal antennal joints broad and transverse *Cryptodacne* Sharp
- Terminal antennal joints elongate *Hoplepiscapha* Lea
3. Antennal club consists of 2 joints; first antennal joint lies as a plate against the eye *Pseudodacne* Crotch
- Antennal club consists of more joints 4
4. Metasternum touches the prosternum; mesosternum invisible 5
- Mesosternum wholly or partially visible 6
5. Prosternum on each side sunk, fore tibiae flattened *Thaumastodacne* nov. gen.
- Prosternum and tibiae normal *Eidoreus* Sharp
6. Base of prothorax wholly marginated 7
- Base of prothorax not or only on each side slightly marginated 17
7. Base of elytra wholly marginated 8
- Base of elytra not marginated 12
8. 3rd antennal joint not elongate; smooth, not hairy. Australian region
- Not so *Neothallis* Fauv. 9
9. 3rd antennal joint elongate, longer than the 4th 10
- 3rd antennal joint not longer than the 4th *Comboceris* Bed.
10. Base of thorax straight, elytra without rows of punctures *Cyrtengis* Reitt.
- Not so 11
11. Antennae consist of 10 joints *Hypodacne* Le Conte
- Antennae consist of 11 joints *Dacne* Latr.

12. Club of the antennae consists of 3 joints 13
 — Club of the antennae consists of 4 joints *Tetrahallis* Crotch
13. Thorax with a basal impression, on each side provided with a furrow
 Thalasiella Crotch
 — Not so 14
14. Mesosternum transverse, front of the metasternum convex 15
 — Mesosternum square or longer than broad, with a marginal furrow 16
15. One stridulatory file on the occiput *Monothallis* Arr.
 — None or two stridulatory files on the occiput *Thallis* Er.
16. Metasternal front between the mesocoxae concave. Thorax on each side with an impression, 8th antennal joint transverse *Tamboria* Hell.
 — Metasternal front straight. Base of thorax with one straight impression, 8th antennal joint as long as broad *Subana* Hell.
17. Base of thorax concave or straight, mesosternum transverse 18
 — Base of thorax convex, with a projection towards the scutellum 23
18. Alae absent *Apteronesitis* Arr.
 — Alae present 19
19. Elytra with combs, margin of thorax strongly enlarged behind, above hairy
 Trichulus Bed.
 — Not so 20
20. 3rd antennal joint larger than the 4th 21
 — 3rd antennal joint as long as the 4th 22
21. Antennal club twice as long as broad, thorax finely marginated, only in each angle a puncture, eyes provided with a supraorbital projection *Coptengis* Crotch
 — Antennal club more than 3 times as long as broad, thorax moderately marginated, with 6 punctures on each side, eyes without a supraorbital projection
 Paracoptengis Hell.
22. First antennal joint not longer than broad, elytra not truncated *Neoblytus* Bed.
 — First antennal joint longer than broad, elytra truncated behind *Neocoptengis* Hell.
23. Tarsi with 4 subequal cylindrical joints preceding the claw joint 24
 — Tarsi with the 4th joint reduced 25
24. Tibia and tarsi moderately stout, prosternal process covering the mesosternum, eyes very coarsely faceted. First tangential lines distinct, converging and reaching each other *Microsternus* Lew.
 — Tibia and tarsi very slender *Dromodacne* Arr.
25. Mesosternum partially covered, body globular, head and thorax together half of body length *Brachydacne* Arr.
 — Mesosternum not covered 26
26. Club of the antennae not longer than it is wide *Idiodacne* Arr.
 — Club of the antennae longer than it is wide 27
27. Metatarsi moderately broad, 4th tarsal joint mostly free, tarsal hairs not curved downward 28
 — Metatarsi broad, at least as broad as the end of the metatibia, 4th tarsal joint mostly sunk into the 3rd joint, tarsal hairs curved downward 38
28. Margin of thorax fine and narrow, in front and behind somewhat enlarged, there mostly with a puncture, which is larger than the punctures with which the margin sometimes is provided 29
 — Margin of thorax very narrow and everywhere of one breadth 31
 — Margin of thorax broad 33
29. Margin of forehead projected over the antennal insertion *Triplatoma* Lac.
 — Not so 30
30. 3rd antennal joint not longer than the 4th. No tangential lines *Episcapha* Lac.

- 3rd antennal joint longer than the 4th. Tangential lines sometimes present
Episcaphula Crotch
31. First tangential lines present though small *Simocoptengis* Hell.
- First tangential lines absent 32
32. Antennal club about 4 times as broad as long, margins of thorax curved. Africa
Linodesmus Bed.
- Antennal club 2 to 3 times as broad as long, margins of thorax straight. Indian
 Archipelago *Euzostria* Gorh.
33. Forehead raised over the antennal insertion 34
- Not so 35
34. Margin of thorax behind as broad as in front, provided with punctures, meso-
 sternal side furrows straight *Nesitis* Bed.
- Margin of thorax enlarged behind, there with a furrow of punctures, mesosternal
 side furrows of a) (shape *Endytus* Bed.
35. Elytra arched; antennal club more than $2\frac{1}{2}$ times as long as broad. Indian
 Archipelago *Hybosoma* Gorh.
- Not so. Africa 36
36. Prosternum not carinated, thorax mostly robust *Plagiopisthen* Thoms.
- Prosternum carinated 37
37. Antennal joints round, the animals cannot fly *Apetus* Delkesk.
- Antennal joints elongate *Scaphodacne* Hell.
38. Joints of the antennal club slanting *Mimodacne* Bed.
- Joints of the club are straight 39
39. Metasternal tangential lines present *Macrodacne* Hell.
- Metasternal tangential lines absent 40
40. Episternal suture of the prosternum reaching the front 41
- Episternal suture partially or wholly effaced, not reaching the front
Psephodacne Hell.
41. Head without stridulatory files; tarsi not very broadly fringed
Megalodacne Crotch
- Head with stridulatory files; tarsi very broadly fringed *Phonodacne* Arr.

Euxestinae

1. Upper surface very smooth and glossy 2
- Upper surface rough and opaque, covered with short stiff bristles 3
2. Tibiae not extremely broad *Euxestus* Woll.
- Tibiae extremely broad, legs short *Bradycycloxenus* Arr.
3. Elytra without impressed lines, legs extremely short and broad *Cycloxenus* Arr.
- Elytra with impressed lines, legs moderately long *Euxestoxenus* Arr.

EROTYLINAE

Thonius Lac.

Th. pavoninus Lac. L. $11\frac{1}{2}$ -15, Br. 6-8 $\frac{1}{2}$. — 1: Colombia, Perroud;
 1: Bogota, Van Lansberge.

Cyclomorphus Hope

C. bisbimaculatus Lac. L. 10, Br. 7. — 4: Bogota, Van Lansberge;
 1: Colombia, Perroud.

C. globosus Guér. L. 8, Br. 6 $\frac{1}{4}$. — 1: Colombia, Perroud.

C. maeander Lac. L. $10\frac{1}{2}$, Br. 7 $\frac{1}{2}$. — 1: Colombia, Perroud.

Coccimorphus Hope

C. dichrous Lac. L. 8-11, Br. 5½-7½. — 11: Bogota; 3: Cauca, Colombia; 2: Surinam, Van Lansberge; 4: Colombia, H. Rolle, ex coll. Veth; 1: Colombia, Perroud; 1: Brazil; 1: Costa Rica, ex coll. J. J. de Vos tot Nederveen Cappel; 2: unlabelled, ex coll. Veth.

C. emys Lac. L. 8½, Br. 6. — 1: Oaxaca, Mexico.

C. melanopus Lac. L. 10, Br. 7. — 1: Rio de Janeiro, Brazil.

C. rugosus Lac. L. 9-11, Br. 6-8½. — The following 8 specimens ex coll. Veth: 4: Colombia; 2: Peru, H. Rolle; 2: Yungas de la Paz, Bolivia, 1000 m, H. Rolle.

C. unicolor Ol. L. 9½-12½, Br. 7-9. — The following 7 specimens ex coll. Veth; 3: Brazil; 2: Bahia, B. d. H.; 2: Porto Real, Brazil, Hardy-Dréneuf. 2: Rio de Janeiro; 1: Colombia; 1: Brazil; 1: Sao Paulo, Brazil, ex coll. J. J. de Vos tot Nederveen Cappel.

Aegithus F.

A. andreae Lac. L. 10½, Br. 7-9½. — 3: St. Catharina; 1: Brazil.

Aegithus andreae Lac. var. ***denticulata*** nov. (fig. 1 a). — 1: Surinam, 1891, ex coll. Veth (holotype); 1: unlabelled.

The yellow fasciae differ from those in typical specimens by being narrower and possessing more denticulations.

A. armitagei Gorb. L. 10½, Br. 8. — 1: Cauca, Colombia.

A. brunnipennis Lac. L. 9-11½, Br. 7-9. — 5: Brazil; 2: St. Catharina, S. Brazil, ex coll. Veth; 1: Bella Vista, Argentina; 4: Colombia; 1: S. Brazil; 2: Colombia, ex coll. J. J. de Vos tot Nederveen Cappel; 2: Sao Paulo, Brazil, ex coll. J. J. de Vos tot Nederveen Cappel.

A. burmeisteri Lac. L. 14, Br. 12. — 1: Paramaribo, Surinam, Dr. H. v. Capelle; 1: Sao Paulo de Olivença, Brazil, VII 1925; 1: Teffe (Egas), Amazonas, 3rd trimestre 1878, M. de Mathan.

A. cardinalis Chev. L. 12-12½, Br. 9-9½. — 1: Mexico, Perroud; 1: Mexico; 1: unlabelled.

A. chalybaeus Dup. L. 11½-14, Br. 10-11½. — 1: Brazil, Perroud; 1: Brazil.

A. cinctipennis Dup. L. 12, Br. 10. — 1: Patria?

A. clavicornis L. L. 8½-12, Br. 6½-10. — The following 12 specimens ex coll. Veth: 2: Surinam; 1: Paramaribo; 4: Surinam, leg. D. v. d. Hoop; 2: Brazil; 2: Espirito Santo, Brazil, ex coll. Fruhstorfer; 1: unlabelled; 9: Cayenne; 1: Paramaribo, Surinam, 1900, Dr. H. v. Capelle; 3: Surinam, Colonial Exhibition, 1883; 1: Paramaribo, Surinam, J. H.

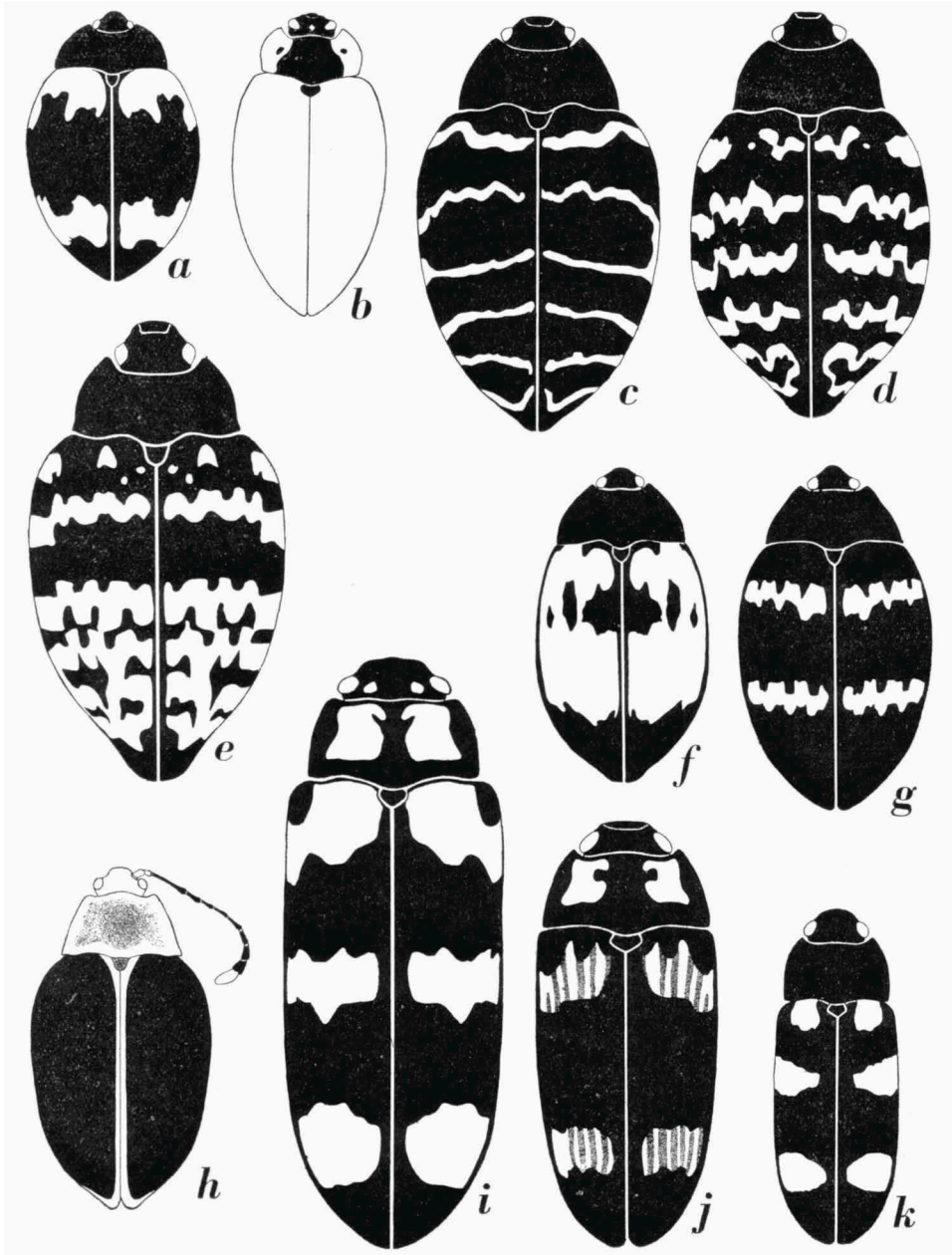


Fig. 1. a, *Aegithus andreae* Lac. var. *denticulata* nov.; b, *Brachysphaenus collaris* nov. spec.; c, *Erotylus crotchii* nov. spec.; d, *Erotylus kuhnti* nov. spec.; e, *Erotylus laetus* nov. spec.; f, *Micrerotylus laevigatus* nov. spec.; g, *Erotylus spectabilis* nov. spec.; h, *Homoeotelus niger* nov. spec.; i, *Encaustes verticalis* M'Leay *sumatrensis* nov. subspec.; j, *Micrencaustes javana* nov. spec.; k, *Micrencaustes sumatrensis* nov. spec. All figures $\times 3$.

Spitzly; 1: Cable station, Surinam, 23 IX 1933, Dr. D. C. Geyskes; 1: Surinam; 4: Porto Real, Brazil, acq. 1890, Hardy-Dréneuf; 1: Brazil, Mus. Rio de Janeiro; 1: Brazil, Perroud; 1: Mexico; 1: Bogota; 2: Surinam, ex coll. J. J. de Vos tot Nederveen Cappel.

A. cyanipennis Guér. L. 15-17½, Br. 13-15½. — 1: Chanchamayo, Peru; 2: Upper Peru.

A. cyanipennis Guér. var. *viridis* Br. — 1: South Peru; 1: Chanchamayo, Peru, leg. Dr. Bässler.

A. geminatus Lac. L. 7, Br. 5. — 1: unlabelled.

A. hemisphaericus Lac. L. 11½, Br. 10½. — 1: Chanchamayo, Peru, XI 1916, 4000 m, A. Heyne.

A. lebasi Lac. L. 10, Br. 7. — 1: Carthagene, Perroud.

A. luridus Kuhnt. L. 9, Br. 7. — 1: Surinam, leg. D. v. d. Hoop.

A. luteus Er. L. 8½, Br. 8. — 1: Peru.

A. melaspis Gorh. L. 9-10, Br. 6½-7. — 2: Colima, Mexico; 2: Colima, H. Rolle, ex coll. Veth; 1: Mexico, leg. Lange; 1: Mexico; 2: Brazil.

A. meridionalis Crotch. L. 10½-14½, Br. 8½-10½. — 2: Surrubres, Costa Rica, 300', A. Heyne; 1: San Carlos, Costa Rica, ex coll. Schild-Burgdorf; 1: Mexico; 1: Nicaragua, Westwood; 1: Chiriqui, Panama; 1: Brazil; 1: unlabelled.

A. nigrocinctus Er. L. 10½, Br. 8. — 2: Chanchamayo, H. Rolle, ex coll. Veth; 1: Chanchamayo, Peru.

A. pallidus Kuhnt. L. 7-9, Br. 6-7. — 3: unlabelled, ex coll. Heylaerts.

A. punctatissimus F. L. 13-15½, Br. 10-12½. — 1: Central America; 2: Surinam, leg. Van der Hoop, ex coll. Veth; 1: Surinam, 1891, ex coll. Veth; 1: Jagtlust, Surinam, 9 IX 1938, Dr. D. C. Geyskes; 1: Taurara, Saramacca, Surinam, 1900, Dr. H. v. Capelle; 1: Guiana, Perroud.

A. quadrinotatus Chevr. L. 8½-10½, Br. 6-7½. — 2: Mexico, Perroud; 2: Mexico.

A. rufipennis Chevr. L. 8-11½, Br. 6½-9. — 1: Guatemala; 1: Quezaltenango, Guatemala, 1885, Paganini; 2: Mexico; 1: Limon, Mexico.

A. sanguinans Dohrn. L. 15, Br. 12½. — 1: Marcapata, Peru.

A. uva Lac. L. 9-12, Br. 7½-10. — 2: Cauca, Colombia; 1: Costa Rica, A. Heyne; 1: Turrialba, Costa Rica, ex coll. J. J. de Vos tot Nederveen Cappel.

A. uva Lac. var. *abdominalis* Kuhnt. — 4: Cauca, Colombia; 1: San Carlos, Costa Rica, ex coll. Schild-Burgdorf.

A. varicollis Lac. L. 10, Br. 7. — 1: Colombia, Perroud.

Brachysphaenus Lac.

B. abdominalis Ol. L. 10-13, Br. 5-6½. — 4: Brazil, ex coll. Veth; 4: Brazil, Perroud; 2: Brazil; 1: Rio de Janeiro; 2: St. Catharina, S. Brazil, H. Rolle; 1: South America, ex coll. Veth; 1: Brazil, Speyer (Mühl), ex coll. J. J. de Vos tot Nederveen Cappel; 1: Brazil, ex coll. J. J. de Vos tot Nederveen Cappel; 1: unlabelled.

B. annularis Cast. L. 8-11, Br. 5-6½. — 6: Bogota, Van Lansberge; 1: Cauca, Colombia; 3: Colombia, Perroud; 2: unlabelled, ex coll. Veth.

B. bellulus Lac. L. 6½, Br. 4½. — 2: Cauca, Colombia.

B. bicinctus Ol. L. 11, Br. 6½. — 1: Surinam, leg. D. v. d. Hoop.

B. bilineatus Dup. L. 7½-9, Br. 4-5. — 2: Rio Grande do Sul, ex coll. Veth; 1: Rio Grande do Sul.

B. bimaculatus F. L. 12-16, Br. 6½-8. — 4: Brazil, ex coll. Veth; 3: Brazil, Perroud; 2: Espirito Santo, Brazil, ex coll. Fruhstorfer, ex coll. Veth; 2: Sao Paulo, XI-XII 1933, C. J. Dixon; 4: Sao Paulo, Brazil, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Sao Paulo, Brazil, Lanckenau; 6: unlabelled.

B. bisigillatus Lac. L. 10-11½, Br. 5-6. — 3: Bogota, Van Lansberge; 1: Cauca, Colombia.

B. bisignatus Guér. L. 9-13, Br. 5-7. — 5: Bogota, Van Lansberge; 2: Colombia, Perroud.

B. cereus Gorh. L. 10½, Br. 6. — 1: St. Catharina, S. Brazil, H. Rolle.

B. clarosignatus Kuhnt. L. 6½, Br. 4½. — 1: Paramaribo, Surinam, J. H. Spitzly.

B. clavicornis Ol. L. 9-12½, Br. 5½-7. — 3: South Brazil; 1: Brazil, ex coll. Veth; 2: Brazil, Perroud; 1: Espirito Santo, ex coll. Veth; 1: Paraguay.

The specimens labelled "Brazil, ex coll. Veth" and "Brazil, Perroud" have small red patches near the eyes.

Brachysphaenus collaris nov. spec. L. 12½, Br. 8 (fig. 1 b). — 1: Brazil?, ex coll. Veth (labelled: Typus *Brachysphaenus collaris* Kuhnt, det. P. Kuhnt) (holotype).

Head black, irregularly punctured, in the middle of the occiput a little yellow impression. Antennae missing in the only available specimen. Pronotum punctured, the sides marginated and yellow, the middle is black; in the yellow lateral parts a small black point. Scutellum smooth and black. Elytra light brown, smooth with 7 indistinct rows of punctures, formed by black points. On the sides also some of such points, only visible with

a magnifying glass. Under side black, with the exception of the sides of the pronotum, the epipleura and the abdomen, which are brown.

This insect was already labelled by P. Kuhnt, but I could not find any description of the species in the literature.

B. columbiae Crotch. L. 12-14½, Br. 7½-9. — 3: Colombia; 1: Gualaquiza, Ecuador; 1: Macas, Ecuador, 1050 m, A. Heyne.

B. delineatus Lac. L. 7, Br. 4½. — 1: S. America.

B. detritus Lac. L. 8½-10½, Br. 5½-6½. — 5: Bogota, Van Lansberge; 1: Colombia, Perroud.

B. dispilotus Lac. L. 10½-12, Br. 5½-6½. — 2: Cauca, Colombia; 1: Colombia; 1: Rio Aguatal, Colombia, 2000 m, W. Codr., ex coll. Fassl, ex coll. Veth.

Brachysphaenus dispilotus Lac. var. **immaculatus** nov. — 4: Cauca, Colombia (holotype and 3 paratypes).

Like the normal insects, but without or (in one specimen) with a very small black spot on the elytra.

B. dorsalis Ol. L. 10½-12, Br. 5½-6. — 2: Peru, H. Rolle, ex coll. Veth; 1: Yungas, H. Rolle, ex coll. Veth; 1: Marcapata, Peru; 1: Yungas de la Paz, Bolivia, 1000 m, H. Rolle; 1: unlabelled.

All specimens, except the last mentioned, have a yellow spot of varying size on the top of the elytra.

B. dorsonotatus Lac. L. 11½, Br. 6½. — 1: Patria?, ex coll. Veth.

B. duplicatus Lac. L. 7½, Br. 5. — 1: Peru, Perroud.

B. ephippium Dup. L. 9, Br. 6. — 1: St. Catharina, Theresopolis, Brazil, ex coll. Veth.

B. epipleuralis Crotch. L. 11, Br. 6½. — 1: Manicore, Rio Madeira, S. America, XII 1923.

B. erichsoni Lac. L. 9-11, Br. 6-7. — 2: Bogota, Van Lansberge; 1: Colombia, Perroud.

B. erotyloides Crotch var. *interruptus* Kuhnt. L. 11, Br. 5½. 1: Marcapata; 2: Yungas, H. Rolle, ex coll. Veth.

B. erythrocephalus Ol. L. 9, Br. 5. — 1: Colombia; 1: unlabelled, ex coll. Veth.

B. fasciatus Ol. L. 11-13, Br. 6½-7½. — 2: Brazil, ex coll. Veth; 3: Brazil, Perroud; 1: Brazil; 2: Espirito Santo, III, A. Heyne; 2: Porto Real, Brazil, acq. 1890, Hardy-Dréneuf; 1: Rio de Janeiro; 1: Brazil, Böttcher, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Brazil, ex coll. J. J. de Vos tot Nederveen Cappel; 1: unlabelled.

B. flavofasciatus Dup. L. 10½-11½, Br. 5½-6. — 1: Brazil, Van der Wulp; 1: St. Catharina, Brazil.

B. flavosignatus Dup. L. 8-9½, Br. 5-5½. — 1: Brazil, Van Eindhoven; 1: Brazil, Perroud; 1: Brazil.

B. flavovittatus Dup. L. 12, Br. 7. — 1: Porto Real, Brazil, acq. 1890, Hardy-Dréneuf; 1: Brazil, Perroud.

B. flexuosus Lac. L. 9, Br. 5. — 1: Brazil, Perroud.

B. fulvipennis Er. L. 7½, Br. 5. — 1: Marcapata, Peru.

B. fuscipes Lac. L. 7½, Br. 5. — 1: Sao Paulo, Brazil.

B. guttatus Dup. L. 8½, Br. 4½. — 1: Brazil; 1: Brazil, Perroud.

B. immaculatus Lac. L. 11½-13, Br. 6½-8. — 3: Brazil, ex coll. Veth; 1: Brazil, Perroud; 2: Brazil.

One specimen (Brazil, ex. coll. Veth) has a small red spot near each eye, another specimen (Brazil, Perroud) has two red spots in the centre of the head, a third specimen (Brazil, ex. coll. Veth) has one large red spot on the head. According to Lacordaire's description of *B. haematopterus* at least the two first mentioned specimens belong to this species. In my opinion they form a variety of *B. immaculatus*, and in all probability the name *B. haematopterus* is a synonym of *B. immaculatus*.

B. incas Gorh. L. 8-9½, Br. 5½-6. — 2: Callanga, Peru.

B. intersectus Dup. L. 9½-10, Br. 5-5¼. — 1: St. Catharina; 1: S. de Durango, Speyer, ex. coll. Veth.

B. klugi Lac. L. 12½, Br. 6½. — 1: unlabelled.

B. marginatus Ol. L. 8½-9½, Br. 5½-6. — 5: Guadeloupe.

B. nebulosus Guér. L. 17½, Br. 8½. — 1: Peru.

B. nigropictus Lac. L. 12, Br. 7. — 2: Cauca, Colombia; 1: Bogota, Van Lansberge.

B. nitidulus Ol. L. 9, Br. 5. — 1: Brazil, Perroud.

The specimen completely corresponds with the description, but in all the legs the beginning of the femora and tibia is black, a character which is not mentioned in the description.

B. oblongonotatus Lac. L. 9, Br. 5½. — 1: unlabelled.

B. obsoletesignatus Crotch. L. 10, Br. 6. — 1: Chili, Perroud (or Cayenne).

B. quadrifasciatus Kirsch. L. 11½, Br. 7. — 1: unlabelled.

B. quadrisignatus Dup. L. 11-13½, Br. 5½-7. — 1: S. Paulo, Brazil; 1: unlabelled.

B. quinquefasciatus Lac. L. 10½-12, Br. 6-6½. — 3: unlabelled.

B. ramosus Ol. L. 12, Br. 7. — 1: Cayenne; 1: Surinam; 1: Boundary Expedition, Toemoek Hoemak, Surinam, 1937, Dr. D. C. Geyskes.

B. regularis Er. L. 11, Br. 6. — 1: Surinam, leg. D. v. d. Hoop; 1: Coronie, 26 VI 1911, Jhr. W. C. van Heurn.

- B. rubidus* Dup. L. 11½, Br. 6½. — 1: Brazil.
- B. rubripennis* Lac. L. 9½, Br. 5½. — 1: Rio de Janeiro.
- B. rufescens* Lac. L. 7-9, Br. 4½-5½. — 2: Marcapata, Peru; 1: Mexico?
- B. ruficeps* Guér. L. 10-11½, Br. 5½-6. — 3: Madre de Dios, 500 m, Peru; 1: Chanchamayo, Peru; 5: Colombia, ex coll. Veth; 1: Colombia, Perroud; 1: Chiriqui, Panama; 1: Yungas de la Paz, Bolivia, 1000 m, H. Rolle, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Yungas de la Paz, Bolivia, ex coll. J. J. de Vos tot Nederveen Cappel.
- B. sedecemguttatus* Ol. L. 10½-12, Br. 5½-6½. — 2: Cayenne; 1: Curaçao, Perroud.
- B. sedecemmaculatus* Buq. L. 10, Br. 5½. — 1: Bogota, Van Lansberge.
- B. sedecempustulatus* Lac. L. 13, Br. 6½. — 1: Rio Grande do Sul.
- B. sexpunctatus* Dup. L. 14-16, Br. 7½-8½. — 2: Theresopolis, Brazil, Jul. Michaelis, ex coll. Veth; 1: Brazil; 1: Sao Paulo, Amazonas, Lanke-nau; 2: Perroud; 2: Sao Paulo, Brazil, ex coll. J. J. de Vos tot Nederveen Cappel.
- B. signatus* Dup. L. 7, Br. 4½. — 2: Brazil.
- B. simplex* Lac. L. 9-12½, Br. 5-7. — 3: Brazil, Perroud; 1: St. Catharina, S. Brazil, H. Rolle, ex coll. Veth; 1: Mexico Perroud; 1: Sao Paulo, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Brazil, ex coll. Veth; 1: Brazil; 2: Patria?
- B. tibialis* Dup. L. 8½, Br. 5. — 2: Brazil.
- B. tricinctus* Dup. L. 11-12½, Br. 6½-7. — 1: Peru; 2: Peru, H. Rolle, ex coll. Veth; 1: La Merced, Peru; 1: Peru, leg. Kirsch.
- B. varians* Lac. L. 12-13, Br. 6½. — 1: Brazil; 1: Colombia, Perroud.
- B. vigintipunctatus* Ol. L. 9½-11, Br. 5½-6. — 1: Brazil; 1: Brazil, Perroud.

Erotylus F.

- E. aegrotus* Lac. L. 19-24, Br. 10-13. — 2: Brazil, ex coll. Veth; 1: Rio Grande do Sul, Brazil, H. Rolle.
- E. aegrotus* Lac. var. *dryas* Lac. — 1: Brazil, Perroud.
- E. buckleyi* Crotch. L. 19, Br. 10½. — 1: unlabelled.
- E. buqueti* Lac. L. 15-18½, Br. 9-10. — 2: Theresopolis, H. Rolle, ex coll. Veth; 1: Brazil, Perroud.
- E. clarosignatus* Kuhnt. L. 19, Br. 10½. — 1: S. Isabel, Brazil, ex coll. Dixon.
- Erotylus crotchi** nov. spec. L. 17½, Br. 11 (fig. 1 c). — 1: Chanchamayo, Peru (holotype).

Black, with narrow yellow and orange red bands. Head finely punctured,

with sparse minute hairs. 3rd antennal joint longer than the 4th and 5th together. Thorax finely punctured, with sparse minute hairs, and with some shallow impressions, front and sides with a distinct margin. Margin of thorax with distinct punctures. Scutellum behind round, very finely punctured. Elytra coarsely punctured, not possessing the minute hairs which occur on the thorax, with 1 yellow, and 5 orange red bands. The last is V-shaped towards the top of the elytra. The yellow band is twice as broad as the orange red ones, which are fine narrow lines. The first two are undulating. Epipleura black, with a yellow base and 4 red spots. Whole under side black and thinly pilose.

E. elegans Kuhnt. L. 20, Br. 11½. — 1: Sao Paulo.

E. gemmatus F. L. 14-17, Br. 9-11½. — 4: Cayenne; 1: Cayenne, Perroud.

E. giganteus L. L. 19½-24, Br. 12½-16. — 5: Cayenne; 1: Cayenne, Fr. Guiana, district du Maroni, V 1936, A. Smit; 2: Paramaribo, Miss M. Koning; 2: Surinam, Colonial Exhibition, 1883; 2: Surinam, ex coll. Veth; 1: Paramaribo, ex coll. Veth; 2: Lawa, 30 X 1903, G. Versteeg; 1: Boundary Expedition, Toemoek Hoemak, Surinam, 1937, Dr. D. C. Geyskes.

E. hexagrammus Lac. L. 17½, Br. 10. — 2: Yungas, H. Rolle, ex coll. Veth.

E. histrio F. L. 19½-26, Br. 11-14½. — 1: Surinam, Corporaal; 5: Cayenne; 3: Brazil, Perroud; 1: Rio de Janeiro; 2: Brazil; 1: Brazil, Mus. Rio de Janeiro; 1: Espirito Santo, A. Heyne; 1: Espirito Santo, Brazil, Miss. Mus. Steyl; 1: unlabelled, ex coll. C. J. Dixon; 1: Brazil, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Sao Paulo, Brazil, ex coll. J. J. de Vos tot Nederveen Cappel; 2: unlabelled.

E. histrio F. var. *minor* Kuhnt. — 1: unlabelled.

E. jaspideus Er. L. 11-16, Br. 6-9½. — 2: Peru, H. Rolle, ex coll. Veth; 2: Chanchamayo, H. Rolle, ex coll. Veth; 2: Chanchamayo, Dr. Bässler; 3: Chanchamayo, Peru; 1: Peru; 1: Paraguay; 1: Rio Grande do Sul; 1: Brazil, A. Heyne.

Erotylus kuhnti nov. spec. L. 17½, Br. 11 (fig. 1 d). — 1: Peru (holotype).

Black, with yellow bands, moderately arched. Head finely punctured, the front with minute hairs. 3rd antennal joint longer than the 4th and 5th together. Sides of the thorax margined, each margin provided with 7 or 8 punctures. The front of the thorax also margined. On each side of the basal projection there is a series of coarse punctures. Scutellum nearly round. Elytra with coarse rows of punctures. There are 5 bands

and a pattern on the top. The first band consists of two spots, the first near the side, the second near the suture, the latter forming an oblique V. The first band is yellow, the others are of a more reddish yellow. The 5th is bent along the suture. Epipleura black, with 1 yellow and 3 or 4 reddish yellow spots. Under side black, for the greater part smooth, with some patches showing fine punctures and minute hairs.

Erotylus laetus nov. spec. L. 18, Br. 11 (fig. 1e). — 1: Peru (holotype).

Black, with orange red bands, moderately arched. Head finely punctured; 3rd antennal joint longer than the 4th and 5th together. Thorax finely punctured, front and sides margined, the sides with 7 or 8 punctures; in the middle 3 shallow impressions, behind the middle one a V-shaped impression, and before the hind angles another impression. Posterior part of the scutellum nearly round. Elytra with coarse rows of punctures, 5 undulating bands and a top pattern. The 1st band consists of 2 round yellow spots. The 2nd near the sides and suture is yellow, the rest is orange red. Between the 1st and 2nd band there are 4 small yellow spots. The 3rd, 4th, and 5th band and the top pattern approach each other, and locally have fused. The 3rd band is yellow near the suture, the rest and all the others are orange red. Epipleura black with 2 yellow and 2 orange red spots. Under side of thorax nearly smooth, abdomen more coarsely punctured.

Erotylus laetus nov. spec. var. **nigrofasciatus** nov. — Coll. Kerkhoven: 1: Amazonas (holotype).

Like the typical specimen, but the distance between the 4th band somewhat enlarged, these bands have lost their contact, and between the 1st and 2nd band there are only 2 small yellow spots.

E. leopardus Lac. var. *confluens* Crotch. L. 15-16½, Br. 8½-9. — 1: Guatemala; 2: Mexico, Perroud.

E. loratus Er. L. 17½-22, Br. 10-12. — 2: Chanchamayo, H. Rolle, ex coll. Veth; 1: Chili, H. Rolle, ex coll. Veth.

E. maculiventris Lac. L. 14½, Br. 8. — 1: Colombia.

E. margineguttatus Crotch. L. 19½, Br. 12. — 2: Yungas, H. Rolle, ex coll. Veth.

E. nigronotatus Gorb. L. 15, Br. 7½. — 1: Chiriqui.

E. nigrotibialis Crotch. L. 13½-15, Br. 7½-8½. — Yungas, H. Rolle, ex coll. Veth; 1: Bolivia; 1: Yungas de la Paz, Bolivia, 1000 m, H. Rolle; 1: Chanchamayo, Peru; 1: Chanchamayo, A. Heyne.

E. olivieri Lac. L. 13-14½, Br. 7-8. — 2: Chanchamayo, Dr. Bässler; 2: Peru, H. Rolle, ex coll. Veth; 1: Bolivia.

E. permutatus Kuhnt. L. 22½-25½, Br. 12-14½. — 2: St. Catharina; 1: Brazil; 1: Sao Paulo; 1: Sao Paulo, Brazil, VII 1934, C. J. Dixon; 1: Colombia; 1: unlabelled.

E. peruvianus Cr. L. 17-20, Br. 11½-12½. — 2: Chanchamayo, Dr. Bässler; 1: Pachitea, Peru; 2: Chanchamayo, Peru, 100 m; 1: Madre de Dios, Peru, 500 m; 1: Chili, Perroud.

E. pretiosus Perty. L. 5½, Br. 9. — 2: Brazil.

E. scenicus Er. L. 17½-21, Br. 11½-12½. — 2: Chanchamayo, Dr. Bässler; 2: Peru; 1: Chanchamayo, Peru.

Erotylus spectabilis nov. spec. L. 14, Br. 8½ (fig. 1 g). — 1: Patria? (holotype).

Black, with yellow bands, moderately flat. Head smooth. Antennae missing in the only available specimen, except the first two joints, which are brown. Thorax smooth, on each side 3 impressions placed in triangle. Front and sides marginated with some punctures. Scutellum round behind. Elytra smooth with 7 rows of punctures, of which the 6 exterior rows are closely arranged in pairs, so that they more or less constitute 3 double rows. There are 2 yellow strongly undulating bands across the elytra, 1 before, 1 behind the middle. Epipleura entirely black. Under side smooth, end of the abdomen finely pilose; the 4 last abdominal segments have a little yellow patch on each side. Prosternum carinated.

E. spectrum Thoms. L. 25-27, Br. 16-17. — 1: Amazonas; 2: Yungas, H. Rolle, ex coll. Veth.

E. subreticulatus Guér. L. 14-15½, Br. 8-9. — 1: Peru; 2: Peru, H. Rolle, ex coll. Veth; 1: Madre de Dios, Peru, 500 m.

E. taeniatus Latr. L. 16-21½, Br. 10-13. — 3: Colombia, Perroud; 2: Colombia, H. Rolle, ex coll. Veth; 2: Colombia; 1: Bogota, ex coll. Veth; 1: Cauca, Colombia; 1: unlabelled. — Coll. Kerkhoven: 1: Cauca, Colombia.

E. toxophorus Lac. L. 15, Br. 8½. — 1: Yungas, H. Rolle, ex coll. Veth.

E. varians Cr. L. 18, Br. 11. — 1: Peru.

E. variegatus F. L. 14½-16, Br. 9-10. — 4: Cayenne; 2: Cayenne, Perroud; 1: Brazil, ex coll. Veth; 4: Surinam; 1: Surinam, 1891, ex coll. Veth; 1: Surinam, ex coll. Veth; 1: Surinam, D. v. d. Hoop; 1: Surinam, Van Lansberge, ex coll. Heylaerts; 1: Surinam, Colonial Exhibition, 1883; 1: Surinam, ex coll. J. J. de Vos tot Nederveen Cappel.

E. variomaculatus Lac. L. 17½-20, Br. 10½-12. — 1: Pebas.

E. variomaculatus Lac. var. *niger* Kuhnt. — 1: Peru; 1: Gualaquiza, Ecuador, A. Heyne.

E. variomaculatus Lac. var. *paucipunctatus* Kuhnt. — 4: Yungas de la Paz, Bolivia, 1000 m, H. Rolle; 1: unlabelled.

E. variomaculatus Lac. var. *vittiger* Kuhnt. — 2: Yungas de la Paz, Bolivia, 1000 m, H. Rolle.

E. vinculatus Lac. L. 16-20, Br. 10½-12½. — 1: Amazonas; 2: Colombia; 1: unlabelled, ex coll. C. J. Dixon.

E. voeti Lac. L. 17½-19, Br. 11-12½. — 2: Yungas, H. Rolle, ex coll. Veth.

Cypherotylus Crotch

C. annulatus Lac. L. 19½, Br. 10½. — 1: Sao Paulo, Brazil, ex coll. J. J. de Vos tot Nederveen Cappel; 1: unlabelled.

C. anthracinus Gorh. L. 19-22, Br. 10-11½. — 1: Chanchamayo, Peru; 1: Marcapata, Peru; 1: Yungas de la Paz, Bolivia, 1000 m, H. Rolle.

*C. apiatu*s Lac. L. 13-15, Br. 9-10. — 1: Brazil; 1: Brazil, Perroud.

*C. apiatu*s Lac. var. *foraminosus* Lac. — 1: Colombia, Perroud; 2: Brazil, Staudinger, ex coll. Veth.

C. armillatus Er. L. 17, Br. 8½. — 1: Yungas de la Paz, Bolivia, 1000 m, H. Rolle; 1: unlabelled.

C. boisduvali Chev. L. 16-18, Br. 8½-10. — 1: Mexico; 3: Mexico, Perroud; 1: leg. Snow, ex coll. Fauvel; 4: unlabelled.

C. costaricensis Gorh. L. 22-24, Br. 11-12. — 2: Chiriqui, H. Rolle, ex coll. Veth.

C. debauvei Demay. L. 16-18, Br. 8½-9. — 3: Colombia, Perroud; 1: Bogota, Van Lansberge; 1: Bogota; 2: unlabelled.

C. dromedarius Lac. L. 13½-19, Br. 7-10. — 1: Porto Real, Brazil, acq. 1890, Hardy-Dréneuf; 1: Surinam; 1: Surinam, leg. D. v. d. Hoop, ex coll. Veth; 1: Surinam, Dr. H. v. d. Capelle; 1: Paloeme, Tapanahoni Expedition, 7 X 1904, Van Stockum.

C. elevatus F. L. 20½, Br. 12½. — 1: Brazil; 1: Parana, Brazil, ex coll. Gassner; 1: Rio Grande do Sul.

C. fenestratus Gorh. L. 14½, Br. 8. — 1: Mexico.

C. gibbosus L. L. 13½-20, Br. 7-10½. — 3: Brazil; 1: Maaes, Brazil, VIII 1932, C. J. Dixon; 1: Sao Paulo de Olivença, Brazil, VII 1925; 1: Cayenne, Perroud; 1: Cayenne; 1: Brownsberg, Surinam, 14 IX 1938, Dr. D. C. Geyskes; 1: unlabelled.

C. goryi Guér. L. 19½-21, Br. 10-11½. — 1: Colombia; 1: unlabelled.

C. guatemalae Crotch. L. 20½-22½, Br. 11-12. — 1: Brazil; 1: Mexico; 1: Quezaltenango, Guatemala, Paganini, 1885.

C. jacquieri Lac. L. 19½-26, Br. 9½-14. — 1: Surinam, Van Lansberge; 1: Surinam, Steenbergen; 1: Surinam, leg. D. v. d. Hoop, ex coll. Veth; 1: Paramaribo, Surinam, Miss M. Koning; 1: unlabelled, ex coll. Veth; 1: unlabelled.

C. patelletus Gorh. L. 20½-23½, Br. 10½-12. — 2: Balzapamba, Ecuador, R. Haensch; 1: Chiriqui, H. Rolle, ex coll. Veth.

C. sphacellatus F. L. 17-22, Br. 9½-13. — 4: Brazil, ex coll. Veth; 3: Espirito Santo, ex coll. Fruhstorfer, ex coll. Veth; 1: Rio de Janeiro; 2: Brazil, Perroud; 1: Brazil, Mus. Rio de Janeiro; 2: S. Isabel, Brazil, ex coll. C. J. Dixon; 1: Brazil; 1: Brazil, ex coll. J. J. de Vos tot Nederveen Cappel; 1: unlabelled, ex coll. C. J. Dixon; 4: unlabelled.

C. stillatus Kirsch. L. 19, Br. 10. — 2: Gualaquiza, Ecuador, A. Heyne.

C. vicinus Guér. L. 19-22, Br. 10-11½. — 2: Mexico, Perroud; 1: Mexico, Vattem.

C. vicinus var. *jansoni* Cr. — 1: Nicaragua, Westwood.

Micrerotylus Crotch

M. dubitabilis Cr. L. 13, Br. 8½. — 1: Obidos, H. Rolle, ex coll. Veth; 1: Obidos, Amazonas, H. Rolle.

M. gronovii Herbst. L. 12½-14½, Br. 7-9. — 2: Brazil; 2: Cayenne, Perroud; 1: Paramaribo, Surinam, Miss M. Koning.

M. hesitana Cr. L. 12, Br. 6½. — 1: Peru.

Micrerotylus laevigatus nov. spec. L. 13, Br. 8 (fig. 1 f). — 1: Costa Rica (*Micrerotylus laevigatus* Kuhnt, det. P. Kuhnt) (holotype).

Black, the elytra for the greater part yellow. Head smooth. Antennae missing in the only available specimen, except the first two joints, which are brown. Thorax smooth, front and sides marginated, side margins with some punctures, along the side margins there is a distinct furrow. On each side of the basal projection of the thorax there is a shallow impression, the basal projection possesses a little furrow. Scutellum smooth, rather narrow, round behind. Elytra smooth, yellow with black design: in the middle of the base a small patch, from this patch a band runs along the scutellum and suture to the middle of the elytra, where this band enlarges into a large spot, from this spot a fine line runs along the suture till the end. The last third part of the elytra is also black, just as the narrow margin and the point on the shoulder. The patch on the middle of the elytra in front and behind is provided with a dent. Along this patch there are 2 small black lines. The epipleura are black. The under side is smooth, and finely pilose.

Zonarius Hope

Z. cinctus Herbst. L. 8½-10, Br. 5-6. — 1: Guiana, Perroud; 1: Mexico, ex coll. Veth; 2: Mexico.

Z. fractus Cr. L. 10½, Br. 6½. — 1: Bogota, Van Lansberge.

Z. indicus Herbst. L. 11-14, Br. 6½-8½. — 3: Brazil?; 1: Surinam, V. H., ex coll. Veth; 1: unlabelled, ex coll. Veth; 2: unlabelled, Perroud.

Z. indicus Herbst var. *xanthomelas* Lac. — 1: Surinam, leg. D. v. d. Hoop; 1: Cayenne, Perroud; 2: unlabelled.

Z. jansoni Cr. L. 10-11, Br. 6-7. — 2: Surrubres, Costa Rica, 300', A. Heyne.

Z. militaris Germ. L. 10½-13, Br. 6-7½. — 5: Brazil, ex coll. Veth; 2: Brazil; 2: St. Catharina, S. Brazil, H. Rolle, ex coll. Veth; 2: Brazil, Perroud; 1: Brazil, Mus. Rio de Janeiro; 1: Sao Paulo, Brazil; 1: unlabelled, Perroud; 2: unlabelled.

Z. peregrinus Lac. L. 10, Br. 6. — 1: Espirito Santo.

Z. zebra F. L. 10½, Br. 6½. — 1: unlabelled.

Scaphidomorphus Hope

S. bosci Guér. L. 14½-19, Br. 8-10. — 2: Bogota, Van Lansberge; 1: Bogota, ex coll. Veth; 2: Colombia, Perroud; 1: Surinam, Perroud; 1: unlabelled.

S. quinquepunctatus F. L. 13-19, Br. 6½-10. — 1: Brazil, Perroud; 1: Cayenne, Perroud; 1: Brownsberg, Surinam, 14 IX 1938, Dr. D. C. Geyskes; 1: Upper Nickerie, Surinam, Dr. H. v. Capelle; 1: Surinam, P. Buitendijk; 1: Gonini, 9 IX 1903, G. Versteeg. The following 8 specimens ex coll. Veth: 2: Surinam; 2: Surinam, leg. D. v. d. Hoop; 1: Colombia; 3: unlabelled.

Preopharus Er.

P. herbsti Lac. L. 12½, Br. 7½. — 1: Patria?

P. impluviatus Lac. L. 13½-15½, Br. 8-9. — 1: Chiriqui; 1: unlabelled.

P. notatus Ol. L. 12½-15, Br. 7-8½. — 1: Brazil, ex coll. Veth; 2: Guiana, Perroud; 1: Cayenne?; 1: Surinam, P. Buitendijk.

Priotelus Hope

P. apiatatus Chevr. L. 10½, Br. 6. — 1: Mexico, Perroud.

P. octomaculatus Ol. L. 10½, Br. 5½. — 1: Guiana, Perroud.

P. tigrinipennis Lac. L. $11\frac{1}{2}$ - $12\frac{1}{2}$, Br. 6 - $6\frac{1}{2}$. — 5: Bogota, Van Lansberge; 2: Colombia, Perroud.

Homoeotelus Hope

H. acuminatus Gorh. L. $9\frac{1}{2}$, Br. 6. — 1: Colombia, H. Rolle, ex coll. Veth.

H. confusus Cr. L. 12 - $13\frac{1}{2}$, Br. 7-8. — 2: Chiriqui, ex coll. Veth; 1: Yungas de la Paz, Bolivia, 1000 m, H. Rolle; 1: Brazil, ex coll. Veth.

In the two last mentioned specimens the femora do not possess black ends.

H. crocicollis Lac. L. 10-14, Br. $6\frac{1}{2}$ -9. — 4: Bogota, Van Lansberge; 2: Colombia, Perroud.

H. d'orbignyi Guèr. L. 13-16, Br. 7 - $9\frac{1}{2}$. — 2: Yungas, H. Rolle, ex coll. Veth; 1: Madre de Dios, Peru, 500 m; 1: Costa Rica, San Carlos, ex coll. Schild-Burgdorf.

In the three first mentioned specimens the femora do not possess black ends.

H. gemellatus Lac. L. $9\frac{1}{2}$ - $11\frac{1}{2}$, Br. 6 - $7\frac{1}{2}$. — 1: Colombia, Perroud. The following 3 specimens ex coll. Veth: 1: Colombia, H. Rolle; 1: Brazil; 1: Patria?

Homoeotelus niger nov. spec. L. $13\frac{1}{2}$, Br. $7\frac{1}{2}$ (fig. 1 h). — 2: Chanchamayo, H. Rolle, ex coll. Veth (holotype and paratype); 1: Peru (paratype).

Dark brown with black elytra. Head rough on account of numerous punctures. First 2 antennal joints dark brown, terminal joint white or light yellow, rest black. Joints elongate, 3rd as long as 4th and 5th together. A dark indistinct patch on the middle of the thorax. Scutellum round behind, black. Elytra rough, on account of their being strongly punctured, black. Along the suture a narrow brown line. Epipleura black and wrinkled. Tibia and tarsi black. Under side finely punctured and pilose.

The description is based upon the holotype and paratype from Chanchamayo. The paratype labelled "Peru" differs in some respects from the two other specimens. It does not show the dark patch in the middle of the thorax, its scutellum is brown, moreover its colour in general is lighter.

H. orbignyanus Lac. L. $10\frac{1}{2}$ - $13\frac{1}{2}$, Br. $6\frac{1}{2}$ - $7\frac{1}{2}$. — 2: Madre de Dios Peru; 1: Marcapata, Peru.

H. pallidus Ol. L. 12, Br. $6\frac{1}{2}$. — 1: Bogota, Van Lansberge; 2: Cayenne.

H. peruvianus Kirsch. L. 12½, Br. 7. — 1: Yungas de la Paz, Bolivia, 1000 m, H. Rolle, ex coll. Veth.

H. spinifer Thoms. L. 12½, Br. 7. — 1: Peru, XI.

H. terminalis Er. L. 9½-14, Br. 5½-8. 2: Marcapata, Peru; 1: Peru; 1: Yungas, H. Rolle, ex coll. Veth; 2: Yungas de la Paz, Bolivia, 1000 m, H. Rolle, ex coll. Veth; 1: Patria?

H. testaceus F. L. 10½-16½, Br. 6½-9½. — 6: Brazil; 1: Brazil, ex coll. Veth; 1: Brazil?, ex coll. Veth; 2: Espirito Santo, Brazil, ex coll. Fruhstorfer, ex coll. Veth; 1: Brazil, Perroud; 1: Porto Real, Brazil, acq. 1890, Hardy-Dréneuf; 1: Brazil, Mus. Rio de Janeiro; 2: unlabelled, Perroud.

H. umbonatus Lac. L. 11½, Br. 6½. — 1: Yungas de la Paz, Bolivia, 1000 m, H. Rolle, ex coll. Veth.

TRITOMINAE

ENCAUSTINI

Encaustes Lac.

E. africana Arr. subsp. *rubripes* Delk. L. 17½, Br. 6½. — 1: Joko, Camerouns, A. Heyne.

E. ceramensis Gorh. L. 20, Br. 9. — 1: Wahaai, Serang (holotype).

E. cruenta M'Leay. L. 16½-23½, Br. 5½-9. The following 10 specimens ex coll. Veth: 4: Manna, Sumatra, M. Knappert; 1: Java, Piepers; 2: Java; 1: Nias, A. L. v. Hasselt; 2: ex coll. Mr. J. L. C. v. Essen. The following 3 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 1: Java; 1: Dolok Baros, Sumatra; 1: Manna, Sumatra, 1902, M. Knappert. 7: Solok, Sumatra, P. O. Stolz; 1: Solok, Padang Highl., P. O. Stolz; 1: Andalas (Tandjoeng), Padang Highl., Sumatra, V 1914, Edw. Jacobson; 1: Plat. of Liwa, Palembang, 1000 m, K. E. Keil; 4: Ardjoeno, Java, Hekmeyer; 5: Malang, S. mts., A. Koller; 1: Java, Ant. Duvivier; 1: Java, Blume; 1: Java, Dr. H. Bos; 1: Java; 2: Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1894; 1: Nias, J. D. Pasteur; 1: Nias, A. L. v. Hasselt.

E. cruenta M'Leay subsp. *humeralis* Crotch. L. 19-23, Br. 7½-9. — 3: Finschhafen, New Guinea, P. Ringler; 1: Sattelberg, N. E. New Guinea, 700-950 m, XII 1909-II 1910, Von Wiedenfelds; 1: Fr. Wilhelmshafen, New Guinea; 1: Aru Is., Von Rosenberg; 3: unlabelled.

E. cruenta M'Leay subsp. *javanica* Cast. L. 18-27½ Br. 6½-10. — 12: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 6: Poentjak (Megamendoeng), boundary Buitenzorg-Preanger, W. Java, J. D. Pasteur; 4: Java,

Blume; 1: Java, Müller; 1: Java, Ant. Duvivier; 3: Java, Perroud; 1. Megamendoeng, J. D. Pasteur; 5: Pengalengan, W. Java, 4000', 1893, H. Fruhstorfer; 1: Tjikorai mt., W. Java, 4000', 1892, H. Fruhstorfer; 1: Java, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Java, ex coll. Veth; 1: Java, W. E. J. Hekmeyer.

E. cruenta M'Leay subsp. *mindanaonis* Delk. L. 16½-24½, Br. 6½-9. — 2: Java, Van der Hoeven; 3: Java, ex coll. Veth; 1: Nias, J. D. Pasteur; 2: unlabelled, ex coll. Veth; 1: unlabelled.

E. cruenta M'Leay subsp. *montana* Schkl. L. 19-26, Br. 7½-9½. — 10: Mauson mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer; 1: Fuhosho Formosa, VII 1909, H. Sauter.

In the specimen from Formosa the parts of the red design which project laterally are united by a band of the same colour, so that on each side there has developed a black spot.

E. cruenta M'Leay subsp. *praenobilis* Lew. L. 30, Br. 11. — 1: Jansai, Japan, G. Lewis.

E. dispar Lac. L. 20, Br. 8. — 1: Java, Blume.

E. marginalis Cr. L. 20-28, Br. 7½-10. — 2: Manna, Sumatra, M. Knappert, ex coll. Veth; 1: Batang Taro, Sumatra, A. L. v. Hasselt; 1: Solok, Sumatra, P. O. Stolz; 1: Padang, Deli, E. coast Sumatra, 1895, E. Büttikofer; 1: Loeboek Bangkoe, W. Sumatra, J. Menzel; 2: Nias, J. D. Pasteur; 1: Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1894.

In 2 specimens from Sumatra (1 from Manna and 1 from Solok) the red line along the side of the elytra consists of a little stripe on the middle of the elytra and a spot on the top, 1 specimen from Sumatra (Batang Taro) has the whole side and suture red, and also a red line on the epipleura. The abdominal segments are also spotted with red on each side.

E. marginalis Cr. subsp. *birmanica* Gorb. L. 20½-24, Br. 8-9. — 1: N. W. India; 1: unlabelled.

E. opaca Cr. L. 22, Br. 8. — 1: Borneo, Schwaner.

E. sulcata Gorb. L. 21-29, Br. 8-10. — 1: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen (holotype); 1: Pajakombo, Sumatra, H. Rouyer; 1: Padang Sidempoean, W. Sumatra, J. D. Pasteur; 1: Sumatra, Müller; 1: Borneo, Schwaner; 1: Deli, Sumatra, ex coll. J. J. de Vos tot Nederveen Cappel.

E. verticalis M'Leay. L. 18-30, Br. 6½-10½. — 14: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 7: Pengalengan, W. Java, 4000', 1893, H. Fruhstorfer; 1: Java, ex coll. Veth; 1: Malang, ex coll. Veth; 3: Java, Blume; 2: Java, Müller; 1: Ardjoeno, Java, W. J. E. Hekmeyer; 1: Java, W. J. E. Hekmeyer; 1: Malang, S. mts., A. Koller; 2: Java, Perroud; 1: Java, ex

coll. J. J. de Vos tot Nederveen Cappel; 6: Preanger, Java, P. F. Sijthoff, ex coll. J. J. de Vos tot Nederveen Cappel; 3: unlabelled.

E. verticalis M'Leay subspec. *hageni* Gorh. L. 28, Br. 10. — 1: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen (holotype).

E. verticalis M'Leay subspec. *malayana* Guér. L. 16-22, Br. 6-8½. — 8: Palembang, Sumatra, M. Knappert, ex coll. Veth; 1: Sumatra, Müller; 1: Deli, Sumatra, J. Schagen v. Leeuwen; 1: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 2: Liwa plat., Palembang, 1000 m, K. E. Keil; 3: Java, Müller; 1: Java, Blume; 1: Moeara Teweh, Borneo, Semmelink; 1: Ketoengau, Borneo Exped., 1894, Max Moret; 1: unlabelled, Van der Does de Bij. 2 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 1: Krawang, Java, L. d. V.; 1: Krawang, Java, 1907, L. d. V.

Encaustes verticalis M'Leay ***sumatrensis*** nov. subspec. L. 18-27½, Br. 6½-10 (fig 11). — 2: Solok, Padang Highl., P. O. Stolz (holotype and paratype); 1: Sumatra, Müller (paratype); 14: Solok, Sumatra, P. O. Stolz (paratypes).

Head black, moderately coarsely punctured, a red spot behind each eye. Antennae black, 3rd joint as long as the 4th and 5th together. Club closely jointed, 1½ times as long as broad. Thorax finely punctured and haired, sides marginated and slightly curved inward in front and behind. Thorax with two yellowish red spots, otherwise black, just as the scutellum, which is smooth. Elytra smooth, with 7 or 8 indistinct rows of punctures. They are black, each of them has 3 large yellowish red to yellow spots. The first is placed on the base, surrounds the shoulder and is slightly excavated behind. The second is on the middle, straight, provided with 2 dents in front and 1 behind. The third is on the top, quite round, without dents or angles. Under side black, finely punctured and haired. Prosternum broadly carinated.

Micrencaustes Crotch

M. atropos Kuhnt. L. 16, Br. 6½. — 1: Mauson mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer.

M. carnifex Lac. L. 17-19, Br. 6½-7½. — 2: Malang, S. mts., A. Koller; 1: W. Java, Piepers, ex coll. Veth; 1: Ardjoeno, Java, Hekmeyer; 1: Idjen plat., Banjoewangi, E. Java, 1000 m; 1: N. Borneo, ex. coll. Fruhstorfer; 1: Long Bloe oe, Mahakkam, Borneo Exped. Dr. Nieuwenhuis, II 1894.

M. dehaani Cast. L. 14½-20, Br. 6-8. — 12: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 1: Toegoe, W. Java, J. D. Pasteur; 7: Tjikorai mts., W. Java, 4000', 1892, H. Fruhstorfer; 3: Pengalengan, W. Java,

4000', 1893, H. Fruhstorfer; 2: Malang, S. mts., A. Koller; 2: Java, Perroud; 1: Java, Ant. Duvivier; 1: Poentjak (Megamendoeng), boundary Buitenzorg-Preanger, W. Java, J. D. Pasteur; 3: East Indies, Calkoen; 1: Ardjoeno, Java, Hekmeyer; 1: Manna, Sumatra, 1902, M. Knappert, ex coll. Veth; 1: Solok, Sumatra, P. O. Stolz; 1: unlabelled, Perroud. The following 7 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 4: Preanger, Java, P. F. Sijthoff; 2: Manna, Sumatra, 1902, M. Knappert; 1: Benkoelen, Sumatra. — Coll. Kerkhoven: 2: Ardja-Sari, Preanger, Java. *M. eximia* Gorb. L. 15, Br. 6½. — 1: Moeara Teweh, Borneo, Semelink (holotype).

Micrencaustes javana nov. spec. L. 17, Br. 8 (fig. 1 j). — 1: Semarang, Java, Edw. Jacobson (holotype).

Head black, coarsely punctured, epistoma more coarsely punctured. Antennae black, 3rd joint as long as the 4th and 5th together. Club closely jointed, about 1½ times as long as broad. Terminal joint half circular. Thorax finely punctured, along the sides more coarsely punctured, sides marginated, margins slightly curved inward in front and behind, and provided with punctures. The thorax is black with two red brown patches, which inwardly are strongly and outwardly are gently excavated. Scutellum black, rounded behind, side angles distinct. Elytra finely punctured, with 9 rows of distinct punctures. The elytra are black, each of them with two red brown bands. The first does not reach the side, is slightly curved to the front along the side and along the shoulder has a dent which does not reach the base. Inwardly this band reaches towards the second row of punctures. The second band is of one breadth, reaching neither suture nor side, slightly excavated before, behind with a little dent. Prosternum with a sharp dent, with tangential lines reaching the hind margin. Whole under side black, finely punctured and haired, abdomen slightly coarser.

M. liturata M'Leay. L. 13½-16½, Br. 6½-7. — The following 7 specimens ex coll. Veth: 1: Java; 1: Malang; 3: Tapanoeli, A. L. van Hasselt; 1: Misauw, VI 1878; 1: unlabelled, ex coll. Mr. J. L. C. v. Essen. 4: Tengger mts., E. Java, 2000', 1890, H. Fruhstorfer; 2: S. Java, 1500', 1891, H. Fruhstorfer; 2: Java, Blume; 5: Ardjoeno, Java, Hekmeyer; 1: Java, Reinwardt; 3: Malang, S. mts., A. Koller; 1: Deli, Seipg.; 1: Liwa plat., Palembang, 1000 m, K. E. Keil; 1: Pajakombo, Sumatra, H. Rouyer; 1: Nias, A. L. v. Hasselt; 1: Nias, J. D. Pasteur. The following 13 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 2: Krawang, Java, L. d. V.; 10: Bantam, Java, De Vos; 1: Luang Prabang, Sala San Tiot, 10 III 1918, R. V. de Salvaza. — Coll. Kerkhoven: 1: Tjigembong, Preanger, Java, VI 1915, J. B. Corporaal.

M. lunulata M'Leay. L. 12-17, Br. 5½-7½. — 13: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 3: Toegoe, W. Java, J. D. Pasteur; 5: Pengalengan, W. Java, 4000', 1893, H. Fruhstorfer; 2: Buitenzorg, Dammerman; 1: Java, W. J. E. Hekmeyer; 4: Java, Kuhl and Van Hasselt; 2: Semarang, V 1906, Drescher, ex coll. Veth; 2: Malang, S. mts., A. Koller; 1: Ardjoeno, Java, Hekmeyer; 2: Manna, Sumatra, 1902, M. Knappert, ex coll. Veth; 3: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 1: Kapuas, Borneo Exped. Dr. Nieuwenhuis, 1894; 1: Nias, J. D. Pasteur; 4: Preanger, Java, P. F. Sijthoff, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Medan, Sumatra, 1903, J., ex coll. J. J. de Vos tot Nederveen Cappel. — Coll. Kerkhoven: 2: Buitenzorg, Java, 1921, Kerkhoven.

M. metallica Gorb. L. 12½-14, Br. 5½-6½. — 1: Soekadana, Lampong, Sumatra, J. C. v. Hasselt (holotype); 2: Manna, Sumatra, 1901, M. Knappert, ex coll. Veth; 1: Sumatra; 1: Padang Sidempoean, W. Sumatra, J. D. Pasteur; 1: Long Bloe oe, Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1894.

M. papuana Hell. L. 14-19, Br. 6½-8½. — 3: Finschhafen, New Guinea, P. Ringler.

The differences between *Micrencaustes metallica* Gorb., *dehaani* Cast. and *papuana* Hell. can be given as follows:

1. Lateral margin of the thorax in front curved inward till the inside of the eyes, afterwards again curved on the thorax and ending in a distinct large puncture, body shining *M. metallica* Gorb.
- Lateral margin with only one curve, no distinct puncture 2
2. Thorax and front of head distinctly punctured, a series of coarse punctures on each side of the basal projection running before the thorax middle *M. dehaani* Cast.
- Thorax and front of head hardly punctured. The series of coarse punctures not nearly reaching the thorax middle, body shining *M. papuana* Hell.

M. planicollis Arr. L. 12, Br. 5. — 1: Mauson mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer.

M. sexguttata Gorb. L. 14, Br. 6½. — 1: Tandjong Morawa, Serdang N. E. Sumatra, Dr. B. Hagen (holotype).

In my opinion *Micrencaustes sexpustulata* Gorb. is a synonym of *M. sexguttata* Gorb. The only difference between the two is that of the colour of the patches, which are red and yellow respectively.

M. siamensis Arr. L. 15-18, Br. 6-7½. — 2: Mauson mts., Tonkin, IV-V, H. Fruhstorfer; 3: Loeboek Bangkoe, W. Sumatra, J. Menzel; 1: Pajakombo, Sumatra, H. Rouyer; 2: Padang Highl., Sumatra, P. O. Stolz; 1: Solok, A. L. v. Hasselt, ex coll. Veth; 1: Benkoelen, Sumatra, ex coll. J. J. de Vos tot Nederveen Cappel.

Micrencaustes sumatrensis nov. spec. L. 14-16, Br. 6-7 (fig. 1 k). — 1: Deli, Sumatra, J. H. Spitzly (holotype); 1: Sumatra, Volz, S. G. (paratype).

Head black, distinctly punctured, epistoma and occiput more coarsely punctured. Antennae black, 3rd joint as long as the 4th and the half of the 5th together. Thorax black, distinctly punctured, on each side of the basal projection more coarsely punctured. Lateral margin in front slightly curved inward. Elytra black, with 8 distinct rows of punctures besides numerous fine punctures. Each elytron with 3 yellow red spots, 1 small round spot beneath the shoulder, against the base, 1 short though broad spot before the middle, reaching neither suture (till the second row) nor side, this spot is much larger than the first. The last spot is between middle and top, round and broad, reaching neither suture nor side. All spots without dents or excavations. Prosternum rough, in its middle a dent. Under side finely punctured and minutely haired, last abdominal segment with a row of coarse punctures.

M. torquata Gorh. L. 13½-17½, Br. 6-7½. — 3: Java, Müller; 1: Nias, J. D. Pasteur.

M. torquata Gorh. subspec. *borneonensis* Hell. — 1: Borneo, Schwaner.

Aulacochilus Lac.

In my opinion *Metallencaustes* Hell. is a synonym of *Aulacochilus* Lac.

A. abdominalis Cs. L. 8½, Br. 4½. — 6: Mauson mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer.

A. bedeli Har. L. 7, Br. 3¾. — 1: Japan, A. Sidney Olliff.

A. birmanicus Bed. L. 4½-7, Br. 2½-4. — 19: Manna, Sumatra, M. Knappert, 1902, ex coll. Veth; 1: Serdang, Sumatra, Schagen v. Leeuwen; 1: Bantam, Java, De Vos, ex coll. J. J. de Vos tot Nederveen Cappel; 4: Manna, Sumatra, 1902, M. Knappert, ex coll. J. J. de Vos tot Nederveen Cappel.

A. chevrolati Luc. L. 6, Br. 2¾. — 1: Algeria, ex coll. Veth.

A. chryselinus Hell. L. 4-6, Br. 2½-3¾. — 4: North Borneo, ex coll. Fruhstorfer; 2: Kinabalu, H. Rolle, ex coll. Veth.

A. crucis-melitae Gorh. L. 5-6½, Br. 2½-3¾. — 8: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen (holotype and 7 paratypes); 1: Deli, Seipg., ex coll. Veth; 1: Soekadana, Lampong, Sumatra, J. C. v. Hasselt; 1: Manna, Sumatra, 1901, M. Knappert, ex coll. Veth; 1: Batoe Agoeng, Tegal, Java, XII 1889, Mr. Th. F. Lucassen.

Aulacochilus decussatus Csiki var. ***rufocollaris*** nov. L. 5, Br. 2½. —

1: Sumatra, West coast, ex coll. J. J. de Vos tot Nederveen Cappel (holotype).

Corresponds with the description of *A. decussatus*, but differs by having not only the abdomen, but the whole under side, including head and thorax, red.

A. dohrni Gorh. L. $4\frac{1}{2}$ - $5\frac{1}{2}$, Br. $2\frac{1}{2}$ -3. — 6: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 2: Gede mt., W. Java, 4000', VIII 1892, H. Fruhstorfer; 1: Sukabumi, W. Java, 2000', 1893, H. Fruhstorfer; 1: Tjikorai mt., W. Java, 4000', 1892, H. Fruhstorfer; 1: Manna, Sumatra, 1901, M. Knappert, ex coll. Veth; 7: Preanger, Java, P. F. Sijthoff, ex coll. J. J. de Vos tot Nederveen Cappel.

A. doriae Bed. L. 8-10, Br. $4\frac{1}{2}$ -6. — 17: Palembang, Sumatra, M. Knappert; 14: Manna, Sumatra, M. Knappert; 12: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 6: Serdang, Sumatra, Schagen v. Leeuwen; 1: Tapanoeli, A. L. v. Hasselt, ex coll. Veth; 2: Piek van Indragiri, Sumatra Expedition, XII 1877, ex coll. Veth; 5: Rawas, Sumatra Expedition, V 1878, ex coll. Veth; 1: Boenga Mas, Palembang, Sumatra, J. G. v. Hasselt; 3: Soekadana, Lampong, Sumatra, J. G. v. Hasselt; 1: Medan, Deli, W. Dates, ex coll. Everts; 2: Pajakombo, Sumatra, H. Rouyer; 1: Benkoelen, Leembrugge; 1: Fort de Kock, Sumatra, 920 m, 1925, leg. Edw. Jacobson; 4: Padang Sidempoean, W. Sumatra, J. D. Pasteur; 2: Sumatra, Müller; 1: Fort de Kock, Sumatra, 1885, Van Riemsdijk (or: Sumatra, G. Severin); 2: Siantar, East coast Sumatra, 1931, H. G. Hellendoorn, ex coll. C. de Jong; 1: Boenga Mas, Palembang, Sumatra, J. C. v. Hasselt; 1: Soekadana, Lampong, Sumatra, J. C. v. Hasselt; 1: Padang, Deli, E. Sumatra, 1895, E. Büttikofer; 4: Nias, J. D. Pasteur; 4: Nias, Kleiweg de Zwaan; 2: Sambas, Borneo, Dr. J. Bosscha, ex coll. Veth; 1: Sambas, W. Borneo, Dr. J. Bosscha; 1: Sugut, Sandakan bay, N. E. Borneo, Prakke; 1: Upper Kapuas, S. & E. distr. Borneo, S. L. Brug; 4: Tengger mts., E. Java, 2000', 1890, H. Fruhstorfer; 2: S. Java, 1500', 1891, H. Fruhstorfer. The following 12 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 3: Palembang, Sumatra, M. Knappert; 2: Manna, Sumatra, M. Knappert; 3: Manna, Sumatra, 1901, M. Knappert; 1: Benkoelen, Sumatra; 1: West coast Sumatra; 2: Sumatra. — Coll. Kerkhoven: 2: Palembang, Sumatra, M. Knappert.

A. episcaphoides Gorh. L. 9, Br. 4. — 1: Luang Prabang, Ban Nong, 15 XI 1917, R. V. de Salvada, ex coll. J. J. de Vos tot Nederveen Cappel.

A. japonicus Cr. L. 7, Br. $3\frac{1}{2}$. — 2: Tokyo, Japan, Von Bodemeyer; 1: Japan, A. Sidney Olliff.

A. javanus Guér. L. 8-10, Br. $4\frac{1}{2}$ - $5\frac{1}{2}$. 6: Java, Müller; 4: Tengger mts., E. Java, 2000', 1890, H. Fruhstorfer; 2: S. Java, 1500', 1891, H. Fruhstorfer; 4: Malang, S. mts., A. Koller; 1: Idjen plat., Banjoewangi, E. Java, 1000 m; 1: Sumatra. The following 6 specimens ex coll. Veth: 3: Java; 1: Buitenzorg, Java; 2: unlabelled.

A. luniferus Guér. L. $5-7\frac{1}{2}$, Br. 3-4. — The following 16 specimens ex coll. Veth: 7: Manna, Sumatra, M. Knappert; 3: Palembang, Sumatra, M. Knappert; 4: Baso, Sumatra, X 1913, E. Jacobson; 1: Deli, Seipg.; 1: Matur, Sumatra, X 1913, Edw. Jacobson, 4: Siantar, East coast Sumatra, 1931, H. G. Hellendoorn, ex coll. C. de Jong; 3: Solok, Padang Highl., P. O. Stolz; 2: Pajakombo, Sumatra, H. Rouyer; 1: Padang Highl., Ludeking; 1: Loboek Bankoe, E. Sumatra, J. Menzel; 1: Serdang, N. E. Sumatra, VII-X 1921, J. v. Leeuwen; 1: Aur Kumanis, Sumatra, III 1913, Edw. Jacobson; 5: Lassiking, Simalur, IV 1913, Edw. Jacobson; 4: Depok, 1899, Nierstrasz; 1: Preanger, W. Java, Kerkhoven; 5: Java, Müller. The following 7 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 4: Bantam, Java, De Vos; 1: Manna, Sumatra, 1901, M. Knappert; 1: Manna, Sumatra, 1902, M. Knappert; 1: Borneo. — Coll. Kerkhoven: 1: Ardja-Sari, Preanger, Java; 1: Tjigembong, Preanger, Java, V 1915, J. B. Corporaal; 1: Java.

A. luniferus Guér. var. *punctatellus* Hell. — 1: Phuc-Son, Annam, XI-XII, H. Fruhstorfer; 2: Mauson mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer.

Aulacochilus luniferus Guér. var. ***helleri*** nov. (fig. 2 a). — 1: Kosempo, Formosa, 25 IV 1908, H. Sauter (holotype); 2: Kwei-Chow, China (paratypes); 1: Fuhosho, Formosa, VII 1909, H. Sauter; 1: Suishako, Formosa, ex coll. Veth.

The pattern of the elytra is of one breadth. Heller (1918, Arch. f. Naturg., Jhrg. 84, A, Heft 11) already had a specimen from Formosa showing the same character, and remarks that he did not want to found a new variety on this single specimen. As I have 5 specimens at my disposal it seems justified to name the new form, which occurs in China as well as in Formosa.

Aulacochilus maculatus nov. spec. L. $8\frac{1}{2}$, Br. $4\frac{1}{2}$ (fig. 2 b). — 1: Java or Sumatra, Dr. H. Bos (holotype).

Head brown, moderately coarsely punctured, with minute hairs. Antennae dark brown, 3rd joint longer than the 4th and 5th together, club about twice as long as broad. Thorax brown, with lateral margins which run till the hind inner side of the eyes, regularly finely punctured, in each angle a deeper puncture. Scutellum brown, finely punctured, nearly

round behind. Elytra yellow, with 9 rows of punctures, which all start from the base, for the rest punctured and minutely haired; the base and lateral side with a narrow brown margin; the suture also brown till the first row of punctures, on the middle suddenly enlarged till the second row of punctures and gradually tapering till the end. There is also one

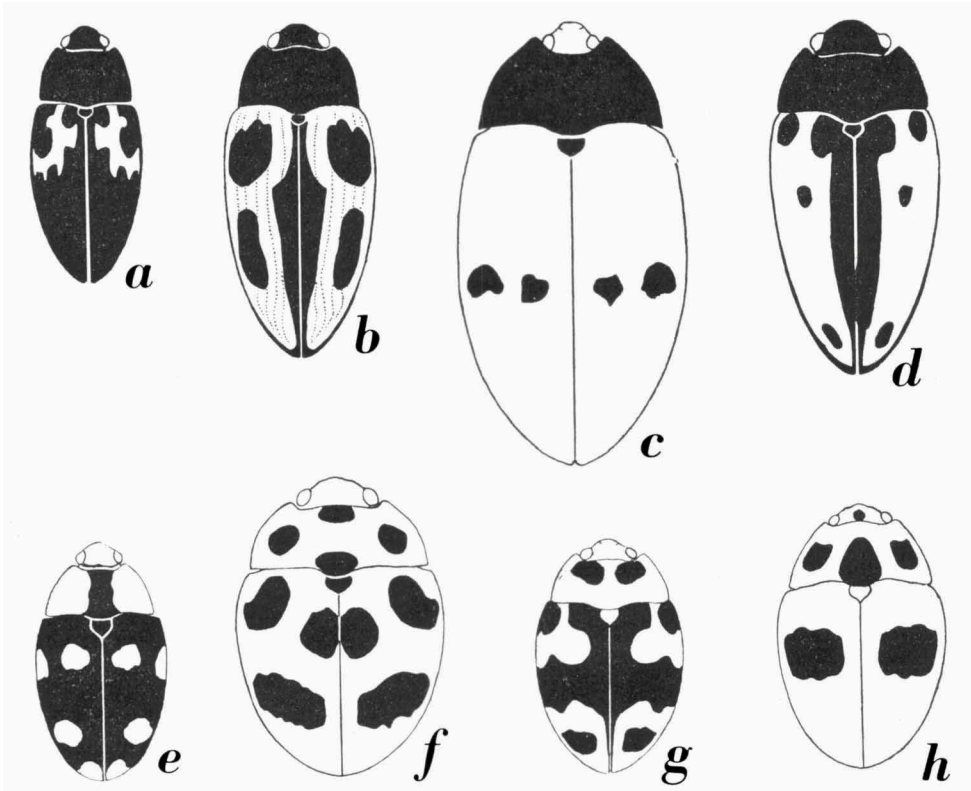


Fig. 2. a, *Aulacochilus luniferus* Guér. var. *helleri* nov.; b, *Aulacochilus maculatus* nov. spec.; c, *Callischyrus brasiliensis* nov. spec.; d, *Amblyopus murrayi* Crotch var. *interruptus* nov.; e, *Cyrtomorphus craticularis* Gorb. var. *interruptus* nov.; f, *Cyrtomorphus pantherinus* Lac. var. *confusus* nov.; g, *Cyrtomorphus helleri* nov. spec.; h, *Cyrtomorphus vethi* nov. spec. All figures $\times 5$.

brown narrow elongate stain on the extreme side in the middle; one large round stain obliquely behind the shoulder, on the 5th row in front slightly excavated; and one elongate spot between the 4th and 6th row behind the middle. Terminal joint of the maxillary palpus about 3 times as broad as long, with yellow margin. Chin triangular and projecting. Prosternum with a blunt dent, tangential lines nearly straight, somewhat converging,

not reaching each other. Mesosternum without distinct front margin. Tangential lines of metasternum and abdomen are oblique. Whole under side brown, regularly punctured and minutely haired.

Achard (1922 and 1923, in *Fragmenta entomologica*), described some new species of the genus *Aulacochilus*. These papers were not available to me, so that I cannot state whether the new species described above is distinct from those of Achard's. As, however, according to the Zoological Record, Achard's species are from different localities, it is highly probable that the species described above in reality is new.

A. micans Bed. L. $5\frac{1}{2}$ -8, Br. $2\frac{3}{4}$ - $4\frac{1}{2}$. — 3: Rawas, Sumatra Expedition, V 1878, ex coll. Veth; 1: Soekadana, Lampong, Sumatra, J. C. v. Hasselt; 6: Manna, Sumatra, M. Knappert, ex coll. Veth; 1: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 1: Pajakombo, Sumatra, H. Rouyer; 2: Preanger, Java, P. F. Sijthoff; 1: Sambas, W. Borneo, Dr. J. Bosscha.

A. moensicus Gorch. L. 8, Br. 4. — 1: Aru Is., Von Rosenberg.

A. oblongus Arr. L. $10\frac{1}{2}$, Br. 5. — 1: Sambas, W. Borneo, Dr. J. Bosscha; 1: Upper Kapuas, S. & E. distr. Borneo, S. L. Brug.

A. quadripustulatus F. L. 9 - $11\frac{1}{2}$, Br. 5 - $6\frac{1}{2}$. — 1: Java; 1: Java, ex coll. Veth; 2: Depok, 1899, Nierstrasz; 10: Tandjong Priok, Java, XI 1908, E. Jacobson; 4: Java, Müller; 1: Noesa Kembangan, Java, III 1911, Drescher; 1: Batavia, De Gavere; 1: Mt. Oengaran, Java, III 1908, Drescher; 1: Sumbawa, Van Lansberge; 18: Bantam, Java, De Vos, ex coll. J. J. de Vos tot Nederveen Cappel. — Coll. Kerkhoven: 1: Tjigembong, Preanger, Java, IX 1914, J. B. Corporaal; 1: Mt. Soesoeroeh, Preanger, Java, J. B. Corporaal.

A. quadrisignatus Guér. L. 10, Br. $5\frac{1}{2}$. — 1: Philippine Is., Cuming (specimen compared with type); 1: Philippine Is.

A. sericeus Bed. L. $5\frac{1}{2}$ - $7\frac{3}{4}$, Br. $3\frac{1}{4}$ -4. — 4: Tandjong Morawa, Serdang, Sumatra, Dr. B. Hagen; 1: Sumatra, Ant. Grouvelle; 1: Manna, Sumatra, M. Knappert, ex coll. Veth; 4: Malang, S. mts., A. Koller; 1: Tjikorai mts., W. Java, 4000', 1892, H. Fruhstorfer; 1: Palabuan, S. Java, 1892, H. Fruhstorfer; 10: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 2: Borneo, Müller; 5: N. Borneo, ex coll. Fruhstorfer; 2: Sambas, W. Borneo, Dr. J. Bosscha; 15: Mauson mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer; 20: Bantam, Java, De Vos, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Krawang, Java, L. d. V., ex coll. J. J. de Vos tot Nederveen Cappel.

A. stolzii Rits. L. 8 - $10\frac{1}{2}$, Br. $4\frac{1}{2}$ - $6\frac{1}{4}$. — 23: Solok, Sumatra, P. O.

Stolz; 1: Manna, Sumatra, M. Knappert (*Aulacochilus Sicardi* Kuhnt, det. P. Kuhnt).

5 of the 23 specimens from Solok are aberrations, in which the two first spots are united by a line (cf. Ritsema, 1912, Notes Leyden Museum, vol. 34, p. 176).

A. tetraphacus Bed. L. 7, Br. $3\frac{3}{4}$. — 1: W. Sumatra, J. D. Pasteur; 1: Palembang, Sumatra, M. Knappert, ex coll. Veth; 2: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen.

A. violaceus Germ. L. $5\frac{1}{2}$ - $7\frac{1}{2}$, Br. 3-4. — 4: Croatia; 1: Dalmatia, Ubli, ex coll. Veth; 1: Plisenia mt., Sequens, 1895, ex coll. Veth; 1: Lake Plitvicer, Croatia, Dr. H. J. Veth; 1: Krivosije, Paganetti, ex coll. Veth; 1: Nevesinje, Herzegowina, K. Kysely, ex coll. MacGillavry.

TRITOMINI

Pselaphacus Perch.

P. curvipes Guér. L. 11- $17\frac{1}{2}$, Br. 5-7. — 2: Cauca, Colombia; 1: Balzapamba, Ecuador, R. Haensch; 1: Palmar, Ecuador, R. Haensch; 1: Amazonas; 2: Peru, ex coll. J. J. de Vos tot Nederveen Cappel; 3: unlabelled.

The specimen from Amazonas was labelled: *Pselaphacus gracilipes* Lac., its characters correspond completely with those given in the description of *P. gracilipes*. The name *P. gracilipes*, however, is a synonym of *P. curvipes*, the species is rather variable in its design, so that it would be difficult to recognize distinct varieties.

P. giganteus Germ. L. 16-21, Br. $6\frac{1}{2}$ -9. — 1: Surinam, 1900, Dr. H. v. Capelle; 1: Surinam; 1: Surinam, Van Lansberge; 1: Paramaribo, Surinam, J. H. Spitzly; 1: Surinam, leg. D. v. d. Hoop; 1: Berbice, ex coll. J. J. de Vos tot Nederveen Cappel; 2: unlabelled, Calkoen; 1: unlabelled, ex coll. Heylaerts; 2: unlabelled.

P. gorhami Kuhnt. L. $20\frac{1}{2}$, Br. $8\frac{1}{2}$. — 1: Peru, Perroud.

P. nigropunctatus Perch. L. 19, Br. $7\frac{1}{2}$. — 2: Peru, H. Rolle, ex coll. Veth.

P. poecilosomus Lac. L. 16, Br. $6\frac{1}{2}$. — 1: Patria?

P. puncticollis Guér. L. $10\frac{1}{2}$ - $14\frac{1}{2}$, Br. $4\frac{1}{2}$ - $6\frac{1}{2}$. — 3: Cauca, Colombia; 1: Limon, Mexico; 1: Mexico, Perroud; 2: Chanchamayo, H. Rolle, ex coll. Veth; 1: Chanchamayo, Peru; 1: Brazil, Perroud; 1: Amazonas, ex coll. J. J. de Vos tot Nederveen Cappel; 2: unlabelled, Calkoen.

P. quinquenotatus Lac. L. 17, Br. 7. — 1: Cayenne, Dupont.

P. rubricatus Herbst. L. 15 - $17\frac{1}{2}$, Br. 6-7. — 1: Chanchamayo, Peru; 1:

Cayenne, Perroud; 1: Surinam, ex coll. J. J. de Vos tot Nederveen Cappel;
1: Patria?

P. signatus Guér. L. 10-13, Br. 4-5½. — 1: Marcapata, Peru; 1: Chanchamayo, Peru; 1: Colombia; 1: Brazil; 1: Brazil, Perroud; 1: Bogota, Van Lansberge; 1: Costa Rica, ex coll. J. J. de Vos tot Nederveen Cappel; 1: unlabelled.

Pselaphacus trifasciatus Lac. in my opinion is identical with *P. curvipes* Guér.

Megischyrus Crotch

M. bellicosus Lac. L. 16½, Br. 7. — 1: Porto Real, Brazil, acq. 1890, Hardy-Dréneuf.

M. brasiliensis Lac. L. 16½-21½, Br. 8-10. — 1: Bogota, Colombia, A. Heyne; 1: Minas Geraes, Brazil, Miss. Museum Steyl, ex coll. Veth; 2: Brazil, ex coll. Veth; 1: Brazil; 2: Surinam, D. v. d. Hoop; 1: unlabelled, Perroud; 1: unlabelled.

M. columbianus Lac. L. 23½, Br. 11. — 1: Pozuzu, Peru; 1: Patria?

M. decempunctatus Guér. L. 16, Br. 8. — 2: Peru, H. Rolle, ex coll. Veth.

M. discipennis Lac. L. 11½-13½, Br. 6-7. — 1: Sa. de Zongolica, Mexico, Hoeg; 3: Madre Duranzo, Mexico, Hoeg; 1: Mexico.

M. mexicanus Lac. L. 15½-17½, Br. 7½-9. — 1: Mexico; 2: Mexico, Perroud.

M. nicaraguae Cr. L. 18, Br. 8½. — 1: Costa Rica.

M. sanguinolentus Lac. L. 14½, Br. 7. — 1: Chiriqui, Panama.

M. semipunctatus Germ. L. 15-17½, Br. 7-8½. — 2: Minas Geraes, H. Rolle, ex coll. Veth; 1: Rio de Janeiro.

M. semitinctus Er. L. 16½, Br. 7. — 1: Peru.

M. sicarius Lac. L. 11, Br. 5. — 1: Patria?

M. zonalis Lac. var. *lineolatus* Cr. L. 13, Br. 6. — 1: Egas.

Ischyus Lac.

I. duponti Lac. L. 7½, Br. 4½. — 2: Bogota, Van Lansberge.

I. flavitarsis Lac. L. 7½-8½, Br. 3½-4. — 3: Cuba; 1: unlabelled.

I. quadripunctatus Ol. L. 6½-7½, Br. 3-3½. — 3: New Georgia, Heer; 2: North America, ex coll. Veth.

I. quadripunctatus Ol. ab. *antedivisa* Mad. 1: ? New Orleans; 1: N. America, ex coll. Veth; 1: leg. Snow, E. U. Fauvel, ex coll. Perroud.

I. subcylindricus Lac. L. 6½, Br. 3. — 1: Paramaribo, Surinam, J. H. Spitzly.

Oocyanus Hope

O. violaceus Sturm. L. 6-7, Br. 3½-4. — 4: Cuba.

Callischyrus Crotch

C. amoenus Guér. L. 8½-9½, Br. 4½-5. — 5: Mexico; 1: Mexico, Vatter.

Callischyrus brasiliensis nov. spec. L. 11, Br. 6 (fig. 2 c). — 1: Sao Paulo, Brazil (holotype); 1: Rio Grande do Sul, Brazil, A. Heyne (paratype).

Head brown, finely punctured. Antennae black, first two joints brown, club consists of 4 joints, 3rd joint a little longer than the 4th. Thorax black, finely punctured, on each side of the basal projection a series of coarse punctures, where, moreover, the thorax on each side shows a shallow impression. Sides of thorax margined, with punctures. Scutellum black and smooth, as broad as long. Elytra brown, with 7 rows of punctures. The 6th and 7th row only visible in the middle. On the middle of each elytron 2 black spots, in the specimen from Rio Grande do Sul the two spots have fused. Under side of the head, epipleura and abdomen brown, rest black. The first four abdominal segments on each side have a black spot, of which the first is very large and is in contact with the black colour of the metacoxae and epimera of the metasternum. Very finely punctured and minutely haired.

C. candezi Cr. L. 9, Br. 5. — 1: Guatemala.

C. hieroglyphicus Dup. L. 8½-10, Br. 5-6. — 1: Brazil; 1: unlabelled.

C. insignis Cast. L. 9-10½, Br. 5-6. — 3: Cauca, Colombia; 4: Bogota, Van Lansberge; 1: Colombia; 3: Colombia, Perroud.

C. venustus Lac. L. 10½, Br. 6. — 1: Bogota, Van Lansberge; 1: Colombia, Perroud; 1: Brazil, Perroud.

Amblyopus Lac.

Syn. *Amblyscelis* Gorb.

A. cinctipennis Lac. L. 6½-7, Br. 3½. — 1: Bengal, Ant. Duvivier; 1: Calcutta.

A. ferrugineus Gorb. L. 6½-8, Br. 3-4. — 1: Natal, Finsch; 2: ex coll. Mr. J. L. C. v. Essen, ex coll. Veth.

A. marginatus Quedf. L. 5-6½, Br. 3-3¼. — 1: Junk riv., Liberia, F. X. Stampfli; 3: Joko, Cameroons.

A. murrayi Cr. L. 9, Br. 4½. — 1: Junk riv., Liberia, F. X. Stampfli.

Amblyopus murrayi Crotch var. **interruptus** nov. (fig. 2 d) — 1: Bonaberi, Cameroons, 1912, P. Smelt (holotype).

As *A. murrayi*, but the longitudinal spot on the elytra is represented here by two small patches on the beginning and the end.

In my opinion *Amblyopus lateralis* Arr. is also a variety of *murrayi*, with much less black than typical specimens. Schenkling described *Amblyscelis grandis* and *A. longula* from the Kilimanjaro, unfortunately his paper was not available to me. Arrow has shown that *Amblyscelis grandis* belongs to the genus *Petaloscelis*. As far as concerns *A. longula* I cannot state the differences of this species from *Amblyopus murrayi* and its new variety described above.

A. rusticus Lac. L. $6\frac{1}{2}$ - $8\frac{1}{2}$, Br. $3\frac{1}{2}$ -5. — 1: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 1: Java, Müller; 2: Malang, S. mts., A. Koller; 6: Soekaboemi, W. Java, 2000', 1893, H. Fruhstorfer; 1: Java; 1: Deli, Sumatra, Schagen v. Leeuwen; 2: Kina Balu, H. Rolle, ex coll. Veth; 2: Kina Balu, Borneo. — Coll. Kerkhoven: 7: Ardja-Sari, Preanger, Java.

A. senegalensis Lac. L. 6-7, Br. $2\frac{1}{2}$ - $3\frac{1}{2}$. — 1: Adi Ugi, Eritrea; 1: ex coll. Mr. J. L. C. v. Essen, ex coll. Veth.

A. vittatus Ol. L. $5\frac{1}{2}$ - $9\frac{1}{2}$, Br. 3-5. — 8: Depok, 1899, Nierstrasz; 7: Soekaboemi, W. Java, 2000', 1893, H. Fruhstorfer; 5: Pengalengan, W. Java, 4000', 1893, H. Fruhstorfer; 1: Tjikorai mts., W. Java, 4000', 1892, H. Fruhstorfer; 6: Buitenzorg, VI 1909, Van der Weele; 2: Batavia, De Gavere; 2: Idjen plat., Banjoewangi, E. Java, 1000 m; 2: Poentjak (Megamendoeng), boundary Buitenzorg-Preanger, W. Java, J. D. Pasteur; 2: Garoet, Java, Mrs. Adèr; 3: Ardjoeno, Java, Hekmeyer; 2: Banjoewangi, Java, 1911, Th. H. MacGillavry; 4: Malang, Java, A. Koller; 1: Malang, S. mts., A. Koller; 1: Semarang, Java, V 1910, E. Jacobson; 1: Preanger, W. Java, Kerkhoven; 1: Buitenzorg, XI 1928, J. v. d. Vecht; 1: Tjipadalarang, Sijthoff; 1: Batavia, P. F. Sijthoff; 1: Java, Dr. Ploem; 1: unlabelled, Calkoen. The following 8 specimens ex coll. Veth: 1: Banjoewangi, Java, 1909, Th. H. MacGillavry; 2: Java; 1: Semarang, Jacobson; 2: Manna, Sumatra, 1901, M. Knappert; 1: Manna, Sumatra, 1902, M. Knappert; 1: unlabelled. 2: Soekadana, Lampong, Sumatra, J. C. v. Hasselt; 1: Boenga Mas, Palembang, Sumatra, J. C. v. Hasselt; 1: Bengal, Ant. Duvivier; 8: Fuhosho, Formosa, VII 1909, H. Sauter; 4: Bantam, Java, De Vos, ex coll. J. J. de Vos tot Nederveen Cappel; 5: Ardja-Sari, Preanger, Java, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Java; 7: unlabelled. — Coll. Kerkhoven: 23: Ardja-Sari, Preanger, Java; 1: Bodjong Sakka, Preanger, Java.

The 8 specimens from Fuhosho, Formosa, collected by H. Sauter, differ

from typical specimens by having much smaller shoulder patches. Miwa's description of the var. *interruptus* was not available to me, it is possible that our 8 specimens belong to this variety.

Petaloscelis Gorh.

Syn. *Pycnogeusteria* Gorh.

P. haemorrhous Gorh. L. 5, Br. 2½. — 1: Humpata, Africa, Van der Kellen (*Amblyscelis Kelleni* Gorh., holotype).

Arrow already pointed out that *Amblyscelis Kellini* Gorh. is a synonym of *A. haemorrhous* Gorh., he also showed that the species belongs to the genus *Petaloscelis*; the same holds true for the following species.

P. pallidus Gorh. L. 4. — 1: Congo, A. A. W. Hubrecht (*Amblyscelis pallidus* Gorh., holotype).

Cyrtomorphus Lac.

C. clavulus Kirsch. L. 3¼, Br. 2½. — 2: Langkat, T. Poetri, IX 1910, Corporaal, ex coll. Veth.

C. craticularis Gorh. L. 5½, Br. 2½. — 1: Palembang, Sumatra, M. Knappert, ex coll. Veth.

Cyrtomorphus craticularis Gorh. var. **interruptus** nov. (fig. 2 e). — 1: Palembang, Sumatra, M. Knappert (*C. craticularis* Gorh. var. *interruptus* Kuhnt, det. P. Kuhnt) (holotype).

The first yellow band on the elytra is reduced to two spots. This specimen was already labelled by Kuhnt as var. *interruptus*, but I could not find any description of this variety.

Cyrtomorphus helleri nov. spec. L. 6, Br. 4 (fig. 2 g). — 3: Pengalengan, W. Java, 4000', 1893, H. Fruhstorfer (holotype and 2 paratypes).

Head yellow, finely punctured. Antennae brown, club darker brown, 3rd joint longer than 4th and 5th together. Club slender, elongate and closely jointed. Terminal joint small, but not as small as in some other species of the genus. Thorax on all sides marginated, finely punctured, every angle with a more pronounced puncture. The thorax is yellow with two black spots in front on the right and left side. Scutellum yellow, angulated behind, as broad as long. Elytra black with 8 distinct rows of punctures and traces of a 9th, finely punctured. Behind the shoulder, from the side till the 2nd row, runs a yellow band, not angular, with a dent between the 4th and 5th row pointing to the base. The hind third part of the elytra is also yellow, with a black spot. In one specimen this spot runs to the suture. The yellow part is slightly excavated in front. Under chin distinct.

Prosternum provided with a sharp little dent and two converging tangential lines, which curve inward before the middle, but do not reach each other. The whole under side is light brown, finely punctured and minutely haired.

Cyrtomorphus laetus nov. spec. L. $8\frac{1}{2}$, Br. 6 (fig. 3 a). — 1: Dolok Baros, Sumatra, ex coll. J. J. de Vos tot Nederveen Cappel (holotype).

In this nice insect the head is red brown and punctured. Eyes black. Antennae brown with the 7 last joints black. The club has the typical shape, elongate, flat and closely jointed, with a small last joint. Under chin large. The thorax has all its sides margined, except in the middle behind, in each

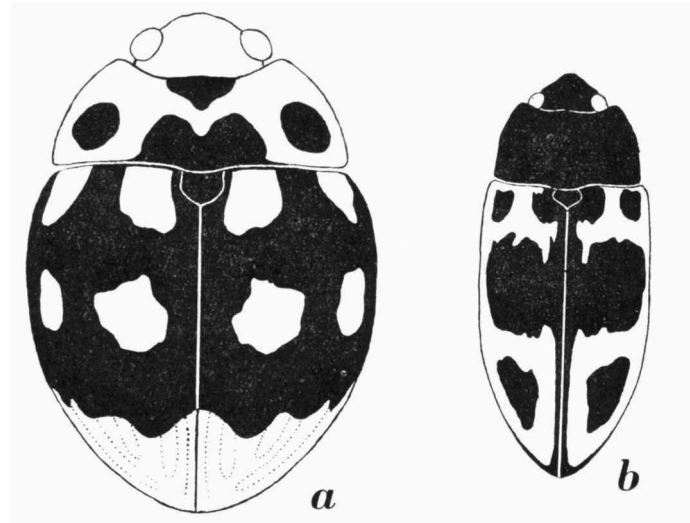


Fig. 3. a, *Cyrtomorphus laetus* nov. spec.;
b, *Tamboria kerkhoveni* nov. spec. $\times 8$.

angle there is a distinct puncture. Thorax red brown with 4 black spots, viz., 1 small spot on the front, 1 large behind, nearly reaching the former, the larger spot is excavated on its front side. Moreover there are two round spots on each side of the thorax which do not reach the margins. The whole thorax is distinctly punctured. Scutellum black, punctured, with a blunt angle behind. Elytra black with their hind third part red brown, punctured, and with 8 distinct rows of larger punctures. These rows on the red brown part are distinct. The 6 outer rows are united to pairs on their end. The black part of the elytra is decorated with 4 yellow round spots, placed in a square, 1 on the shoulder, 1 on the side, 1 on the base, and 1 on the disc of the elytra. These spots touch neither side nor suture and base. The black part has 3 blunt dents behind. Under side brown with exception of the mesosternum, the centre of the metasternum and the front

part of the first abdominal segment, punctured and minutely haired. All tangential lines, though small, are present.

C. nitiduloides Lac. L. $5\frac{1}{2}$ - $7\frac{1}{2}$, Br. 4-6. — 1: Mt. Gede, W. Java, 4000', VIII 1892, H. Fruhstorfer; 2: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 1: unlabelled, ex coll. Veth.

C. pantherinus Lac. L. 8- $12\frac{1}{2}$, Br. $5\frac{1}{2}$ -9. — 6: Pengalengan, W. Java, 4000', 1893, H. Fruhstorfer; 4: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 4: Java, ex coll. Veth; 5: Java, Müller; 3: Poentjak, Megamendoeng, boundary Buitenzorg-Preanger, W. Java, J. D. Pasteur; 3: Java, Dr. Koningsberger; 1: Toegoe, W. Java, J. D. Pasteur.

Cyrtomorphus pantherinus Lac. var. **confusus** nov. (fig. 2 f). — 1: Java (*Cyrtomorphus pantherinus* var. *confusus* Kuhnt, det. P. Kuhnt) (holotype); 2: Malang, Java, A. Koller (paratypes).

The 2 last spots on the elytra are fused into one. One specimen already labelled by Kuhnt, but I could not find any description of this variety.

C. pardalinus Gorh. L. $4\frac{3}{4}$ -6, Br. 3-4. — 12: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 1: Nongkodjadar, Java, I 1911, E. Jacobson; 1: Malang, S. mts., A. Koller. — Coll. Kerkhoven: 2: Ardja-Sari, Preanger, Java.

C. quadrimaculatus Kirsch. L. 5-6, Br. 3-4. — 4: Bandar Baroe, Sumatra, J. J. d. V., ex coll. J. J. de Vos tot Nederveen Cappel.

C. sexmaculatus Kuhnt. L. $8\frac{1}{2}$, Br. $5\frac{1}{2}$. — 1: Manna, Sumatra, M. Knappert, ex coll. Veth.

C. tonkineus Arr. L. $7\frac{1}{2}$ - $9\frac{1}{2}$, Br. $4\frac{1}{2}$ -7. — 9: Mauson mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer.

Cyrtomorphus vethi nov. spec. L. 6-8, Br. $4\frac{1}{2}$ - $5\frac{1}{2}$ (fig. 2 h). — 4: Preanger, Java, P. F. Sijthoff, ex coll. Veth (holotype and 3 paratypes); 1: Preanger, Java, P. F. Sijthoff, ex coll. Veth (*C. Vethi* Kuhnt, det. P. Kuhnt) (paratype).

Head brown, finely punctured. On the occiput a black spot. Antennae brown, 3rd joint longer than 4th and 5th together. Club elongate, slender and closely jointed. First joint of club large, terminal joint small. Thorax brown, finely punctured, on all sides finely margined, with a distinct puncture in each angle. On the middle three black spots. The central spot large, beginning at the basal projection and ending before the middle of the thorax, not angular. The 2 others each on one side of the thorax. Scutellum brown, as broad as long, angular behind. Elytra also brown, punctured, with 9 very indistinct rows of slightly deeper punctures. On the middle of each elytron there is a broad short black spot, reaching neither suture nor side. Under side brown, except the metasternum and

the fore part of the episterna of the metasternum, which are black. Proster-num with a sharp dent, with 2 tangential lines running nearly straight to the middle. Under side punctured and finely haired.

As the specimen named by Kuhnt is slightly damaged: its antennae are missing, one of the undamaged other specimens was chosen as the holotype of the species.

Mycotretus Lac.

M. cinctellus Guér. L. 5-6½, Br. 3½-4½. — 5: Surrubres, Costa Rica, 300', A. Heyne.

M. coccineus Lac. L. 5, Br. 3. — 1: Surinam, v. H., ex coll. Veth.

M. dispar Tasch. L. 8, Br. 4. — 1: Ecuador.

M. gemmula Lac. L. 4½-5½, Br. 3-3½. — 3: Chanchamayo, Peru, A. Heyne.

M. graphoderus Lac. L. 6-8, Br. 3½-5. — 3: St. Catharina; 1: Lages, Brazil, H. Fruhstorfer, I-III 1887.

M. haematicus Gorh. L. 6¾, Br. 4. — 1: Surrubres, Costa Rica, 300', A. Heyne.

M. lesueuri Chevr. L. 5½-6½, Br. 3-3½. — 1: Mexico, Gebien; 1: Mexico; 1: Jalapa, Mexico, Hoege.

M. lepidus Lac. L. 5½, Br. 3¼. — 1: Surinam, J. H. Spitzly.

M. marginicollis Lac. L. 7½, Br. 4. — 1: Brazil, Perroud; 1: Patria?

M. nigropunctatus Dup. L. 8-9, Br. 4½-5. — 5: Brazil, ex coll. Veth.

M. noterinus Gorh. L. 4, Br. 2½. — 1: V. de Chiriqui, 25-4000 ft., Champion.

M. ocellatus Germ., L. 7, Br. 3¾. — 3: Chanchamayo, Peru.

M. ornatus Dup. L. 7-9½, Br. 4-5 (fig. 4 a, b). — 2: Brazil, ex coll. Veth; 2: Brazil; 1: Brazil, Perroud (fig. 4 a); 1: Porto Real, Brazil, acq. 1890, Hardy-Dréneuf; 1: Patria? (fig. 4 b).

M. ornatus var. *godarti* Lac. (fig. 4 d). — 11: Bogota, Van Lansberge.

Mycotretus ornatus Dup. var. ***partialis*** nov. (fig. 4 e). — 4: Cauca, Colombia (holotype and 3 paratypes).

Head yellow, in two specimens with a black point. Thorax yellow, along the front and hind side a black line, and 4 black points on the disc, the latter in one straight line. Scutellum black. Elytra yellow, last half black. On the base a black spot, behind this spot 2 black points (in one specimen one). Under side yellow, legs black, last half of the epipleura black.

M. ornatus var. *terminalis* Lac. (fig. 4 c). — 2: Brazil, ex coll. Veth.

In the figured specimen (fig. 4 c) the terminal transverse band is brownish, in the other specimen this band is nearly black.

M. pecari Lac. L. $8\frac{1}{2}$ - $9\frac{1}{2}$, Br. $5-5\frac{1}{4}$. — 2: Colombia.

M. pulcher Say. L. $3\frac{1}{2}$, Br. 2. — 1: New York, Perroud.

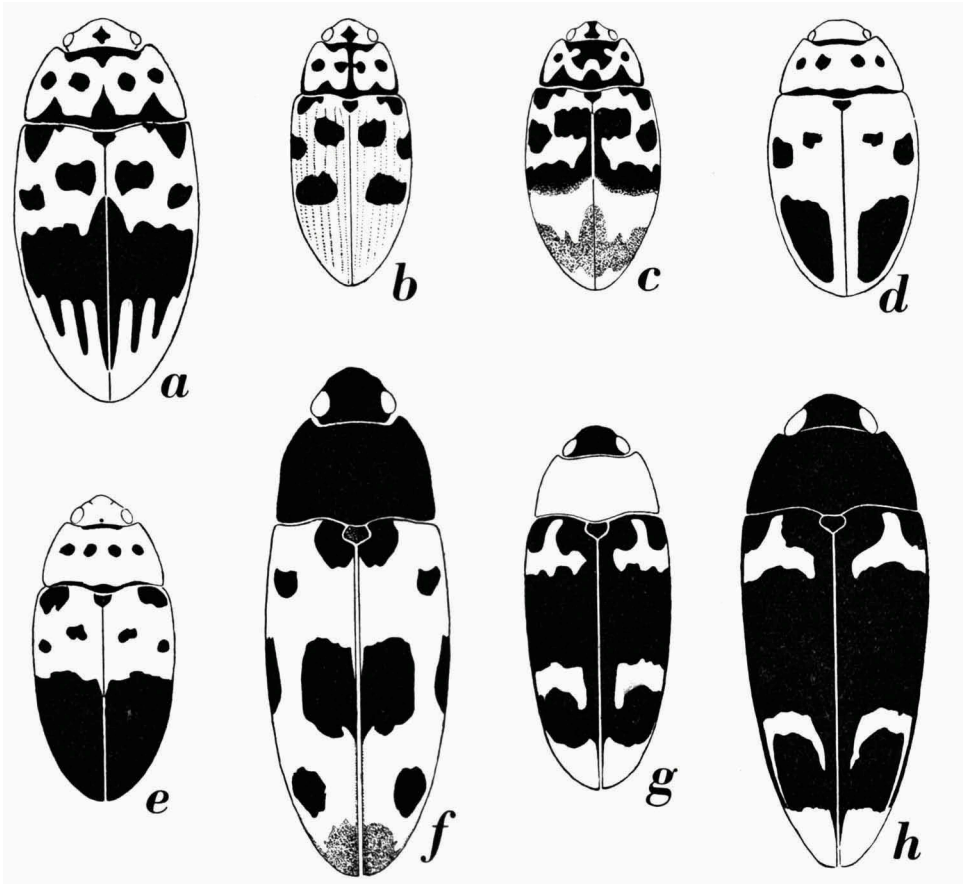


Fig. 4. a, b, *Mycotretus ornatus* Dup.; c, *Mycotretus ornatus* Dup. var. *terminalis* Lac.; d, *Mycotretus ornatus* Dup. var. *godarti* Lac.; e, *Mycotretus ornatus* Dup. var. *partialis* nov.; f, *Episcaphula nigromaculata* nov. spec.; g, *Episcaphula ruficollaris* nov. spec.; h, *Episcaphula sexsignata* Hell. var. *immaculata* nov. All figures $\times 5$.

M. puncticeps Kirsch. L. $7\frac{1}{2}$, Br. 4. — 2: Cauca, Colombia.

M. quattuordecimguttatus Lac. L. $9\frac{1}{2}$, Br. 5. — 1: Colombia.

M. sanguinipennis Say. L. 5, Br. 3. — 1: leg. Snow, E. U. Fauvel.

M. savignyi Lac. L. $5-6\frac{1}{2}$, Br. 3-4. — 2: Surrubres, Costa Rica, 300',

A. Heyne; 5: Mexico; 1: V. de Chiriqui, 25-4000 ft., leg. Champion, Gorham don.; 1: Colombia, Perroud; 1: Cayenne.

M. sobrinus Guér. L. $7\frac{1}{2}$ -10, Br. 4-6. — 5: Porto Real, Brazil, acq. 1890, Hardy-Dréneuf; 4: Brazil.

M. succinctus Cr. L. 6, Br. $3\frac{1}{4}$. — 1: Cauca, Colombia.

M. tigrinus Ol. L. $5-8\frac{1}{2}$, Br. $3-4\frac{1}{2}$. — 3: Chanchamayo, Peru; 1: Chanchamayo, Peru, A. Heyne; 2: Peru, H. Rolle, ex coll. Veth; 3: Cayenne; 1: Brazil, ex coll. J. J. de Vos tot Nederveen Cappel.

M. trabeatus Lac. L. 6, Br. $3\frac{1}{2}$. — 4: Bogota, Van Lansberge; 2: Colombia, Perroud.

Tritoma F.

Syn. *Triplax* Herbst, *Cyrtotriplax* Crotch, *Pseudotritoma* Gorh., *Motrita* Westw., *Triplacidea* Gorh., *Ortitma* Hell., *Trimota* Hell.

According to the description I am moreover convinced that *Satelia* Lew. belongs to *Tritoma* F.

T. aenea Schall. L. 4-5. — 3: Lake Plitvicer, Croatia, Dr. H. J. Veth; 1: Krivosije, Paganetti, ex coll. Veth; 3: Prussia; 2: Vienna, ex coll. Veth; 2: Austria, ex coll. Veth; 1: Austria, ex coll. MacGillavry.

Tritoma amethystina nov. spec. L. $4\frac{1}{2}$ - $5\frac{1}{2}$, Br. $2\frac{1}{2}$ -3. — 4: Bandar Baroe, Sumatra, J. J. de V., ex coll. J. J. de Vos tot Nederveen Cappel (1 holotype, labelled: *Spondotriplax amethystinus* Kuhnt, det. P. Kuhnt, 3 paratypes).

This species differs from *T. nigripennis* Motsch. by the completely yellow antennae and the yellow scutellum. Head yellow, punctured. Eyes black. Antennae yellow, 3rd joint elongate, 4th to 8th joints becoming shorter and broader. Club 3-jointed, normal. Thorax yellow, punctured, sides margined. Scutellum yellow, punctured, behind with a sharp angle. Elytra punctured, with 8 rows of more pronounced punctures, violet-black. Epipleura black, in one specimen with exception of the base. Rest of the under side yellow. Terminal joint of the maxillary palpus about $4\frac{1}{2}$ times as broad as long. Prosternum not with a sharp dent, though not quite flat. Tangential lines distinct, converging till before the middle of the prosternum but they do not touch each other. 2nd and 3rd tangential lines are present. Whole under side finely punctured and minutely haired.

Tritoma anthracina Gorh. (*Zythonia anthracina* Gorh. = *Petaloscelis anthracina* Gorh., according to Arrow). L. 8-9, Br. $4-4\frac{3}{4}$. — 2: French Congo; 1: Joko, Cameroons, A. Heyne.

In the collection there are 3 specimens which are quite like the description. They positively do not belong to the genus *Petaloscelis*. In the

description of his *Zythonia anthracina* Gorham says: "the last three joints from a wide club and are transverse". (Ann. Mag. Nat. Hist. (7), vol. 5, p. 93). But in my specimens the length of the club in proportion to the breadth is too large for a *Petaloscelis*, whilst the front tibiae are neither enlarged nor flattened. Nor do they form a species of *Zythonia*, as their head is not enlarged and their chin is provided with two small dents near the base. I therefore place them into the genus *Tritoma*.

T. atriventris Lec. L. 4. — 1: leg. Snow, Fauvel.

T. biguttata Say. L. 2¾. — 1: Pennsylvania.

T. bipustulata F. L. 3-5. — The following 5 specimens ex coll. Veth: 1: Oldenzaal, VIII 1891; 2: Lake Plitvicer, Croatia; 1: Arnhem, IV 1893; 1: Bosnia, VI 1899. The following 3 specimens ex coll. MacGillavry: 1: Tavernok, Hungary, Kelecsényi; 1: Düsseldorf, XI 1880; 1: Kovitnicra, Hungary, V 1898, Kelecsényi. 1: Belgium, Ant. Duvivier; 2: France; 1: Kruja, Albania, Mader. — Coll. Everts: 1: Maarsbergen, V, Everts; 1: Venlo, VI, Everts; 2: Winterswijk, VI 1903, Uyttenboogaart; 1: Valkenburg (L.), IV, B. H. Klynstra; 5: Arnhem, IV, Klynstra; 13: Gronsveld, VII, Everts; 3: Arnhem, IV 1904, Dammerman; 2: Gronsveld, VII, Maurissen; 4: St. Pieter, V, Maurissen; 1: Valkenburg, VIII, Maurissen; 1: Apeldoorn, VI, Leesberg; 1: Oldenzaal, VII, H. J. Veth; 1: Leuvenum-sche bosch, VIII, Uyttenboogaart; 2: Arnhem, V 1902, Klynstra; 1: Gronsveld, VII, coll. Leesberg; 5: Speulderbosch, VI, J. Th. Oudemans. — Coll. Kerkhoven: 1: Winterswijk, Kerkhoven; 3: Baarn, Kerkhoven; 1: Winterswijk, VI 1903, Uyttenboogaart.

T. bipustulata F. var. *binotata* Reitt. — The following 15 specimens ex coll. Veth: 7: Oldenzaal, VIII 1891; 1: Valkenburg, VII 1887; 3: Spesart, VII 1902; 2: Hameln, VIII 1894; 1: Locarno, V 1898; 1: Lake Plitvicer, Croatia. 2: Kruja, Albania, leg. Mader; 2: Winten A. J., ex coll. Vogel; 1: Croatia, VI 1899, ex coll. MacGillavry.

T. californica Lac. L. 4. — 2: Mts. near Claremont, California, Baker.

Tritoma cameruna nov. spec. L. 6½, Br. 3½. — 1: Cameroons, XII 1894-I 1895 (holotype).

Brown. Head finely punctured. Antennae do not reach the base of the thorax, club elongate. Thorax finely punctured, sides and front margined, each angle with a pronounced puncture. The basal projection has a straight hind margin, and joins the scutellum, the shape of which is nearly a trapezium. The front side of the scutellum is somewhat shorter than the hind side, the hind angles are somewhat rounded and the hind side in the middle has a small sharp dent which fits closely between the elytra. Elytra with 9 rows of punctures besides being finely punctured. Terminal

joints of the maxillary palpi large, twice as broad as long. Whole under side finely punctured and minutely haired. First tangential lines converging and each reaching beyond the middle of the prosternum. Middle tangential lines short.

T. carpathica Reitt. L. 4. — 1: Carpathians.

T. chrysospila Cr. L. 4½. — 1: Serdang, Lau Rakit, IV 1910, J. B. Corporaal, ex coll. Veth.

T. collaris Schall. L. 4. — 2: Austria, 1881; 1: Hungary, Keller, ex coll. Veth; 1: Lenkoran Leder, Reitter; 1: Herkulesbad, Wingelm.

T. cyanescens Bed. L. 4. — 1: Bone, Algeria, ex coll. MacGillavry.

T. elongata Lac. L. 5-6½. — 1: Germany; 1: Austria, 1881, ex coll. Veth; 3: Austria.

T. flavicollis Lac. L. 3½-5. — 3: Pittsburgh; 2: Pittsburgh, H. Rolle, ex coll. Veth; 1: N. America; 1: Pennsylvania; 1: Alleghany, Pa., Fauvel.

T. fulvipes Westw. L. 4½. — 1: Solok, Sumatra, J. Schlagen v. Leeuwen (holotype).

T. goudoti Lac. L. 6. — 1: Madagascar, Audouin (*Triplax goudoti* Lac. comp. w. type).

T. haematosoma Lac. L. 6. — 2: Amber mts., Madagascar.

T. haemorrhoea Gorh. L. 3¾. — 2: Manna, Sumatra, 1902, M. Knappert, ex coll. Veth.

T. humeralis F. L. 3½. — 4: Pennsylvania, ex coll. Veth; 1: Pennsylvania.

T. humeralis F. var. *ruficeps* Lac. — 2: Pennsylvania, ex coll. Veth; 2: unlabelled.

Tritoma indica Crotch var. ***thoracica*** nov. L. 2¼-3½. — 2: Manna, Sumatra, M. Knappert (typus *Triplacidea thoracica* Kuhnt, det. P. Kuhnt) (holotype and paratype); 13: Manna, Sumatra, M. Knappert; 1: Palembang, Sumatra, M. Knappert; 1: Kemanglen, Tegal, Java, Th. Lucassen (15 paratypes).

Like the typical *Tritoma indica*, but provided with a longitudinal black bar on the middle of the thorax.

T. lacordairei Cr. L. 4. — 1: Sicilia, Ted.; 1: Algeria, D. B., ex coll. Veth; 1: Algeria, Ham. R'Hira; 1: Calabria, Aspromonte, Paganetti.

T. lepida Fald. L. 5. — 2: Austria; 1: Austria, 1881, ex coll. MacGillavry; 1: Hungary, Keller; 2: Karaman, Salona, Dalmatia.

T. liberiana Gorh. L. 4½. — 1: Junk riv., Liberia, Stampfli (holotype).

T. marseuli Bed. L. 2¾-3½. — 3: Topla, Paganetti; 1: Dalmatia, Keller, ex coll. Veth; 1: Dalmatia, 1881, ex coll. MacGillavry; 1: Castelnuovo, Hummler, ex coll. Veth.

T. melanocephala Latr. L. 3½-5. — 1: Prussia; 1: Greece; 2: Alexandria, Egypt, Gassner; 1: France; 2: Thalassos, Semirjatschensk, B. Kricheldorf, ex coll. Veth; 1: Monchique, Algarve, 12 V 1910, K. Jordan, ex coll. Veth; 1: Glasun, Bokhara occ., W. Bucharz.

T. minima Kuhnt. L. 3½-5. — 1: Manna, Sumatra, 1901, M. Knappert, ex coll. Veth; 1: Deli, Sumatra, J. Schagen v. Leeuwen; 8: Maou mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer.

T. motschulskyi Bed. L. 4-4½. — 2: Maou mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer; 1: Preanger, Java, P. F. Sijthoff, ex coll. Veth.

The specimen from Java has a thin black line along the front side of the pronotum, not along the hind side.

T. nigripennis Motsch. L. 3¼-5¼. — 13: Maou mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer. 1: Than-Moi, Tonkin, VI-VII, H. Fruhstorfer; 1: Kina Balu; 1: Malang, Java, A. Koller.

Tritoma nigripennis Motsch. var. ***arrowi*** nov. — 1: Palembang, Sumatra, M. Knappert (holotype).

Like the typical ex. but with a black longitudinal bar on the middle of the thorax.

T. octonotata Bed. L. 6. — 1: Circassia, Caucasia.

T. perrieri Fairm. L. 6. — 2: Madagascar, Leon Fairmaire.

T. pulchra Gorh. L. 4. — 1: Moeara Laboe, Sumatra expedition, XI 1877 (holotype *Pseudotritoma pulchra* Gorh.).

T. pygmaea Kraatz. L. 3. — 2: Dalmatia.

T. rufipes F. L. 4-5. — 1: Styria; 2: Hungary, Keller, ex coll. Veth; 2: Herkulesbad, Wingelm.; 1: Austria, 1881, ex coll. MacGillavry; 1: Croatia, VI 1899, ex coll. Veth; 1: Troitskosavsk, Transbaikaldistr., Gassner; 4: Central Bosnia, near Ivan, 1905, A. Kniz; 1: Rot Turm, Transsylvania, Petri, 1908, ex coll. MacGillavry.

T. russica L. L. 5-6. — 3: Austria. The following 18 specimens ex coll. Veth: 5: Cleve, VIII 1889; 2: Nuth, 15 and 18 VII 1876; 4: Mienden, Jordan; 1: Bohemia; 1: France, D. B.; 1: Eis.; 1: Germany, VII 1894; 1: Bocholt, 1885; 1: Sicilia, Ted.; 1: Krivosije, Paganetti. The following 6 specimens ex coll. MacGillavry: 4: Austria, 1873; 2: Patria? — Coll. Everts: 1: Oldenzaal, Van Doesburgh; 1: Hilversum, Geuk. Backer; 1: Leiden, Snellen van Vollenhoven; 9: Nuth, VII, Maurissen; 1: Bunde, V, Maurissen; 1: Kerkrade, 27 V 1901, H. J. Latiers; 1: Kerkrade, 18 VI 1901, H. J. Latiers; 1: St. Pieter, VI, ex coll. Leesberg. — Coll. Kerkhoven: 1: Austria, L. Miller. — Coll. Fokker: 1: Nuth, 14 VII 1876.

T. scitula Lew. L. 3. — 1: Japan, G. Lewis.

T. scutellaris Charp. L. 4½-5½. — 1: Prussia; 3: Jotunfjeld, Norway;

4: Nevesinje, Herzegowina; 1: Herkulesbad, Wingelm.; 1: Lake Bullea, Schuster, 1898; 1: Hungaria borealis, Von Zoufal.

T. scutigera Arr. L. 4¼. — 2: Than Moi, Tonkin, VI-VII, H. Fruhstorfer.

The two specimens have the elytra completely light brown.

In my opinion *Tritoma (Triplacidea) sumatrensis* Gorh. is a synonym of *Tritoma nigripennis* Motsch.

T. thoracica Say. L. 3¼-4. — 2: Pittsburgh, H. Rolle, ex coll. Veth; 2: United States; 1: leg. Snow, Fauvel; 1: Missouri; 1: North America, ex coll. J. J. de Vos tot Nederveen Cappel.

T. tibialis Fairm. L. 4¾. — 1: Tananarivo, Madagascar; 1: unlabelled.

T. unicolor Say. L. 4½. — 4: Pennsylvania, ex coll. Veth; 1: Alleghany, Fauvel; 1: N. America.

Arrow has shown that a comparatively large number of generic names must be regarded as synonyms of *Tritoma*. For this and other reasons some specific names appear to be preoccupied. *Triplax dorsalis* Kolbe is different from *Tritoma dorsalis* Gorh., so that a new name is necessary for *T. dorsalis* Kolbe; I propose for this species the new name **Tritoma kolbei**. Motschulsky as well as Casey described a *Tritoma nigripennis*, as Motschulsky's name has priority the species named by Casey *T. nigripennis* must have a new name; I propose to name this species **Tritoma caseyi**. *Triplax tibialis* Fairm. is different from *Tritoma tibialis* Arrow, as the former now is placed in the genus *Tritoma*, the name *T. tibialis* Arrow must be changed; I propose to call the species described by Arrow **Tritoma africana**.

Spondotriplax Crotch

In my opinion *Neotritoma* Hell. and *Camptotritoma* Hell. are synonyms of *Spondotriplax* Crotch.

S. exquisitus Arr. L. 3. — 1: Tandjong Gadang, West coast Sumatra, 1200 m, II 1925, leg. E. Jacobson.

S. fulva Hell. L. 3½. — 2: Manna, Sumatra, M. Knappert, ex coll. Veth.

Spondotriplax jacobsoni nov. spec. L. 3½ (fig. 5 a). — 1: Nongko-djadar, Java, I 1912, Jacobson (holotype). — Coll. Kerkhoven: 2: Ardja-Sari, Preanger, Java (paratypes).

Head red brown, finely punctured. Antennal club consists of 5 joints, 3rd joint as long as the 4th, 5th and 6th together. Thorax black, sides margined, finely punctured, the 2 front angles are red. Scutellum black, smooth, nearly round behind. Elytra black, with 7 rows of punctures, each

of the elytra with two red brown spots (colour much lighter than that of the head), the first on the shoulder, round and dentated behind, the second is a thin line (not a round patch as in *S. pallidipes* Arr.) and has a dent in front along the suture. This line does not reach the side. Under side black, abdomen yellow, just as the beginning of the epipleura, minutely haired. First tangential lines converging and touching each other. Middle tangential lines reaching the sides of the metasternum.

Spondotriplax javana nov. spec. L. 4, Br. $2\frac{1}{2}$ (fig. 5 b). 2: Poentjak

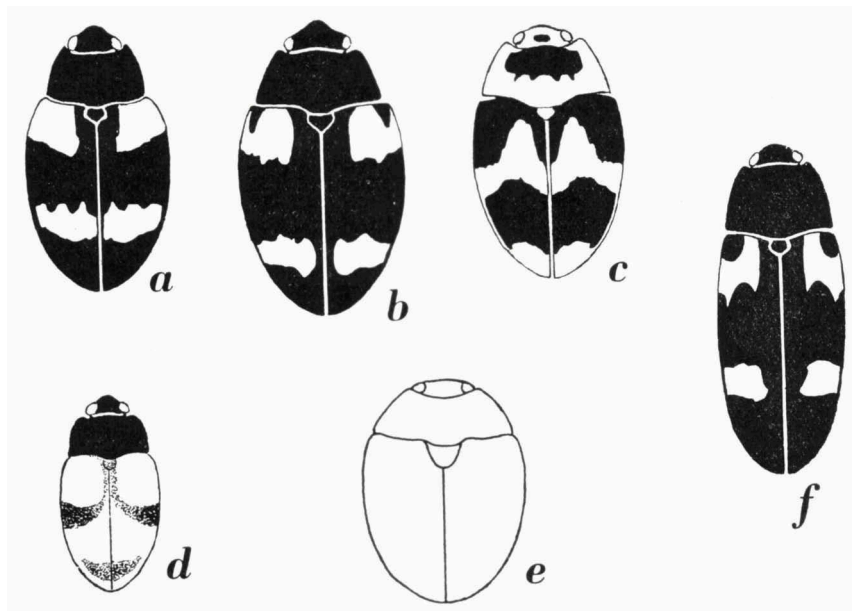


Fig. 5. a, *Spondotriplax jacobsoni* nov. spec.; b, *Spondotriplax javana* nov. spec.; c, *Rhopalotriplax laeta* nov. spec.; d, *Microsternus javanus* nov. spec.; e, *Thaumastodacne javana* nov. spec.; f, *Microsternus sumatranus* nov. spec. a-e, $\times 10$; f, $\times 7$.

(Megamendoeng), boundary Buitenzorg-Preanger, W. Java, J. D. Pasteur (holotype and paratype); 3: Palabuan, Central Java, 1892, H. Fruhstorfer (paratypes); 1: Mt. Merbaboe, Java, V 1912, Drescher (paratype).

Head dark brown, finely punctured. Antennae light brown, 3rd joint as long as the 3 following, club 5-jointed. Thorax black, in three specimens (each from another locality) the front angles and sides are lighter, sides margined, finely punctured. Scutellum black, angular behind. Elytra black with 8 rows of punctures. Each elytron with 2 yellow spots. The first of these, on the shoulder, does not reach the side and leaves the outer angle black, inward it runs till the 3rd row, behind it has 3 dents (in the specimen

from Palabuan there is only one dent). The second spot is a transverse dash, reaching neither suture nor side, somewhat curved, with a small dent in front. Under side brown, distinctly punctured and haired, legs light brown. Terminal joints of the maxillary palpi are twice as broad as long. First tangential lines converging and in contact with each other. Middle tangential lines reach the sides of the metasternum. Abdomen light brown.

S. monticola Hell. L. $3\frac{1}{2}$. — 6: Pengalengan, W. Java, 4000', 1893, H. Fruhstorfer; 3: Preanger, Java, P. F. Sijthoff, ex coll. Veth.

S. pallidipes Arr. L. 3. — 1: Fort de Kock, Sumatra, 920 m, 1925, leg. E. Jacobson.

Phoxogenys Gorh.

P. mülleri Gorh. L. $4\frac{1}{2}$ -5. — 1: Java, Müller (holotype); 2: Java, Müller.

Mycolybas Crotch

M. lucidus Lac. L. $7\frac{1}{2}$, Br. $4\frac{3}{4}$. — 1: Brazil.

Palaeolybas Crotch

P. dorsalis Gorh. L. 8, Br. 4. — 4: Junk riv., Liberia, Stampfli (cotypes).

Cyrtomorphoides Hell.

Cyrtomorphoides minimus nov. spec. L. $3\frac{1}{2}$, Br. $2\frac{1}{2}$. — 1: Gorontalo, Von Rosenberg (holotype).

Head yellow, finely punctured. Club of the antennae not distinctly separated from the rest, 3rd joint of the antennae somewhat longer than the 2 following joints. The antennae are yellow. Terminal joints of the maxillary palpi about 5 times as broad as long. Thorax brown, finely punctured. Sides marginated. Scutellum finely punctured, brown, hind angle somewhat blunt. Elytra brown, with 9 rows of punctures, which are accentuated by small black points, for the rest the whole of the elytra finely punctured. Under side yellow brown, punctured and minutely haired. First tangential lines converging though short. Middle tangential lines oblique.

Tritomophasma Hell.

T. sumatrensis Hell. L. 4. — 2: Manna, Sumatra, M. Knappert, ex coll. Veth; 1: Palembang, Sumatra, M. Knappert, ex coll. Veth; 1: Boenga Mas, Palembang, Sumatra, J. C. v. Hasselt; 2: Malang, Java, A. Koller; 1: Misauw, Central Sumatra, Sumatra expedition, VII 1878.

Dactylotritoma Arr.

D. apicalis Arr. L. 7, Br. $3\frac{1}{2}$. — 1: Kosempo, Formosa, VIII 1908, H. Sauter.

Rhopalotriplax nov. gen.

Belongs to the Tritomini. Differs from the other genera by the course of the tangential lines on the prosternum: from the coxae they run straight forward and slightly before the front side they are curving inward, fusing or not with the front margin. Middle tangential lines are present, these are oblique just as the last tangential lines.

Body more or less oval. Eyes finely faceted. Antennal club 3-jointed, with the 8th joint slightly enlarged. The chin is elongately triangular without lateral dents. The terminal joint of the maxillary palpus is about twice as broad as long.

Genotype: *Rhopalotriplax laeta* nov. spec.

Rhopalotriplax javana nov. spec. L. $3\frac{1}{2}$ - $5\frac{1}{2}$, Br. $2\frac{1}{2}$ - $3\frac{3}{4}$. — 38: Preanger, Java, P. F. Sijthoff, ex coll. Veth (holotype and 37 paratypes); 1: Pengalengan, W. Java, 4000', 1893, H. Fruhstorfer; 1: Manna, Sumatra, 1901, M. Knappert, ex coll. Veth; 1: Koetoer, Sumatra expedition, VI 1878 (3 paratypes).

Head brown, finely punctured. Antennae brown, distal part darker, 3rd joint as long as 4th and 5th together. These and also the 6th and 7th are elongate, the 8th is enlarged and as broad as long. Thorax brown, in the middle often darker, front and lateral sides margined. The whole thorax finely punctured. Scutellum very finely punctured, not sharply angular behind, as broad as long, also brown. Elytra punctured, with 8 distinct rows of more pronounced punctures. The colour of the elytra is varying. Some specimens are dark brown with lighter shoulder and top, some are light brown with nearly yellow top, and some are totally brown. But they are all shining. The under side is also brown, punctured and minutely haired.

Rhopalotriplax laeta nov. spec. L. 4, Br. $2\frac{1}{2}$ (fig. 5 c). — 8: Pengalengan, W. Java, 4000', 1893, H. Fruhstorfer (holotype and 7 paratypes); 1: Palembang, Sumatra, H. Donckier (paratype).

Head yellow, with a black patch on the middle, punctured. Antennae yellow, last 5 joints black, 3rd joint longer than 4th and 5th together. Thorax has the front and sides margined, the whole of the thorax is punctured, it is yellow with a varying large black spot along the front side, which does not touch the sides, but sometimes the hind margin. Scutellum nearly smooth, round behind and yellow. Elytra punctured,

with 8 distinct rows of more pronounced punctures, black with a yellow top, showing a straight band in the middle, which touches the suture and sides, provided with a large dent pointing forward till nearly behind the base; sometimes in the yellow there is a little excavation on the hind side. Epipleura black, last half is yellow. The whole under side is yellow, punctured and minutely haired.

Neomycotretus nov. gen.

Immediately to distinguish from the other African genera by the form of the chin, which is an elongate plate, of which the two front angles are excavated. Under chin large. The terminal joints of the maxillary palpi large, about twice as broad as long. Eyes are finely faceted. From each side of the mouth cavity there runs a black line in posterior direction. Prosternum with two very short tangential lines which nearly overlap the coxae and are curved inward, not reaching each other. Middle tangential lines very small. Antennal club about twice as broad as long, terminal joint large, as broad as the former joint, but longer and nearly half circular.

Genotype: *Neomycotretus liberianus* nov. spec.

Neomycotretus liberianus nov. spec. L. $6\frac{3}{4}$, Br. 4. — 1: Junk riv., Liberia, Stampfli (labelled as *Zythonia fulva* Westw.?) (holotype).

Red brown. Head punctured. Antennae do not reach the base of the prothorax. 3rd antennal joint as long as the 4th and 5th together. Distal half of the antennae black. Sides of the thorax with margins which are slightly curved inward along the front. The thorax is less coarsely punctured in the middle behind. Scutellum nearly smooth, somewhat more broad than long. Elytra with 9 distinct rows of punctures, and more finely punctured over the whole of their surface. Under side has the sides of the prosternum and epipleura light brown, punctured and minutely haired.

Neotrimota nov. gen.

Immediately to be recognized by the large hunch on the front side of the prosternum. First tangential lines are straight, parallel, ending along the hunch. Antennal club is not closely jointed, 9th joint triangular, 10th crescentic, terminal joint circular. Terminal joints of the maxillary palpi are 4 or 5 times as broad as long. Middle and hind tangential lines are present, though short.

Genotype: *Neotrimota arrowi* nov. spec.

Neotrimota arrowi nov. spec. L. $4\frac{1}{2}$, Br. 3. — 1: Silago, Sumatra Expedition, 1877-78 (labelled as *Tritomidea atripennis* Gorh.) (holotype).

Head yellow, punctured. Antennae yellow except the 4 last joints, which

are black. Thorax yellow, wholly margined, punctured, angles with more pronounced punctures. Scutellum yellow, nearly smooth, triangular, excavated on each side near the base. Elytra violet black, punctured with 8 rows of larger punctures. Epipleura black. Under side yellow, punctured and minutely haired. Mesosternum without distinct front margin.

DACNINAE

Dacne Latr.

D. aequinoctialis Thoms. L. 4¼. — 1: Humpata, W. Africa, P. J. v. d. Kellen.

D. bipustulata Thunb. L. 2-3½. — The following 21 specimens ex coll. Veth: 8: Arnhem, V 1887; 1: Loghem, VII 1891; 1: IJss., 30 V 1876; 2: Loosduinen, 7 VI 1910; 1: Loosduinen, VI 1887; 3: Spessart, VII 1902; 1: Herkulesbad, VIII 1896; 3: Croatia, VI 1899; 1: Nevesinje, leg. Paganetti. The following 12 specimens ex coll. MacGillavry: 6: Valkenburg, VII 1887; 2: The Hague, VI 1888; 1: The Hague, VI 1889; 1: The Hague, VIII 1900; 1: Rotterdam, Snellen, 1874; 1: Bunde, VI 1895. 1: Wassenaar, ex coll. Heylaerts; 1: Styria, Winthem; 2: unlabelled. — Coll. Everts: 4: Rijswijk, VI, Everts; 1: Rijswijk, V, Everts; 21: Loosduinen, VI, Everts; 4: Arnhem, V, H. J. Veth; 1: The Hague, Everts; 1: Speulderbosch, VI, J. Th. Oudemans; 5: Putten, X, J. Th. Oudemans; 1: Vogelenzang, IX 1902, Uyttenboogaart; 1: Valkenburg, VII, Leesberg; 2: Gronsveld, VII, Everts; 3: Rotterdam, V, Snellen; 3: Laag Soeren, VII, Everts; 2: Kralingen, VI, Dixon; 1: Rotterdam, IV, Snellen; 1: Veenendaal, Springer; 2: Arnhem, VIII, 1902, Dammerman; 1: Haarlem, XI, Groll. — Coll. Kerkhoven: 1: The Hague, Bolten. — Coll. Fokker: 1: Valkenburg, VII 1887; 1: Valkenburg; 6: Loosduinen, VII 1895, Fokker.

D. bipustulata Thunb. ab. *jekeli* Reitt. — The following 6 specimens ex coll. Veth: 4: Arnhem, V 1887; 1: Carinthia, Keller; 1: Croatia, VI 1899. The following 4 specimens ex coll. MacGillavry: 3: Valkenburg, VII 1887; 1: West Hungary, leg. Kelecsényi. — Coll. Everts: 4: Arnhem, V, H. J. Veth.

D. notata Gmel. L. 3-4. — 2: Austria, ex coll. MacGillavry; 1: Austria; 4: Vienna, Austria; 2: Moravia, ex coll. Veth.

D. pontica Bed. L. 2½. — 2: Croatia, VI 1899, ex coll. Veth; 1: Kopet-Dagh, Sjaret, Persia, 1160 m, V 1899, leg. Hauser, ex coll. Veth; 1: Herkulesbad, Deubel.

D. quadrimaculata Say. L. $3\frac{1}{2}$. — 2: Pittsburgh, H. Rolle, ex coll. Veth; 2: Pennsylvania, I. Schröder; 1: Pennsylvania, Staudinger.

D. rufifrons F. L. 3. — The following 28 specimens ex coll. Veth: 5: Loosduinen, 23 V 1908; 1: Loosduinen, 22 VII 1909; 2: Loosduinen; 11: Rotterdam, VI 1888; 1: Rotterdam; 3: Vlaardingen, VII 1877; 3: Berkel, VI 1886; 1: Berkel, VI 1887; 1: Croatia, VI 1899. The following 21 specimens ex coll. MacGillavry: 11: The Hague, V 1888; 3: The Hague, III 1874; 3: The Hague, VI 1888; 2: St. Pieter, VI 1873; 1: Beek, VII 1890; 1: Maastricht, VI 1893. 3: Vlaardingen, VII 1877; 1: Styria, Winth.; 8: ? Loosduinen, ex coll. Everts. — Coll. Everts: 8: Rijswijk, VI, Everts; 6: Rijswijk, V, Everts; 6: Rijswijk, VIII, Everts; 3: The Hague, V, Everts; 5: The Hague, V, Leesberg; 4: Loosduinen, VII, Everts: 2: Vlissingen, VII, Veth; 1: Haarlem, VII, Groll; 1: The Hague, V, ex coll. Leesberg; 4: Bodegraven, VI, Dixon; 1: The Hague, VIII, Bolten; 1: The Hague, VI, Bolten; 7: Haarlem, V-VII, Groll; 2: Wassenaar, XII, Perrin; 1: Kralingen, V, Dixon; 1: The Hague, IX, Everts; 2: The Hague, VIII, Everts. — Coll. Kerkhoven: 1: Amersfoort, VI, ex coll. Veth. — Coll. Fokker: 1: France, Deyrolle.

D. rufifrons F. var. *reitteri* Sch. — 1: Wassenaar, ex coll. MacGillavry; 1: The Hague, 26 V 1889, ex coll. Veth. — Coll. Everts: 2: The Hague, VII, Everts; 2: Wassenaar, V, Everts; 1: Valkenburg, VII, Leesberg; 1: Haarlem, V, Groll; 1: Haarlem, XI, Groll; 1: Loosduinen, III, Everts; 5: The Hague, IX, Everts; 2: The Hague, VIII, Everts.

D. semirufula Reitt. L. $2\frac{1}{4}$. — 2: Armenian mts., Caucasus, Lederer and Reitter.

Combocerus Bed.

C. glaber Schall. L. 4. — 1: Germany; 1: Germany, Ant. Duvivier; 1: Neusiedler See, Schuster; 1: Hungary, Keller; 1: Tavarnok, Kelecsényi, ex coll. MacGillavry. — Coll. Everts: 1: Ommen, VI 1916, Kerkhoven. — Coll. Kerkhoven: 1: Göttingen, Jordan.

Cryptodacne Sharp

C. synthetica Sharp. L. $4\frac{1}{4}$. — 2: New Zealand, Helms, Reitter.

Thallis Er.

T. compta Er. L. $6\frac{1}{4}$, Br. $2\frac{3}{4}$. — 1: Tasmania, Mus. Berol.

T. crichsoni Cr. L. $4\frac{1}{2}$ - $5\frac{1}{2}$. — 2: N. S. Wales.

T. janthina Er. L. $4\frac{3}{4}$. — 1: N. Queensland.

T. venustula Blackb. L. 5-6¼. — 3: N. S. Wales; 1: Melbourne, Kaathoven; 1: unlabelled.

T. vinula Er. L. 4¼. — 1: N. S. Wales.

Neothallis Fauv.

N. nigroaenea Cr. L. 5½. — 4: Noumea; 2: New Caledonia, Van Lansberge; 5: Noumea, Fauvel.

N. tetrasticta Gorb. L. 6. — 1: Salayar, Engelhard (holotype); 10: Salayar, 20 I 1881, H. E. D. Engelhard; 1: Salayar, 26 I 1881, H. E. D. Engelhard; 1: Salayar, XII 1880, H. E. D. Engelhard; 1: S. Celebes; 1: Timor, Wienecke; 1: Painan, W. Sumatra, J. L. Wijers.

Coptengis Crotch

C. chapuisi Cr. L. 16½-21, Br. 6-7. — 5: Morotai, Bernstein; 3: Bachan, Bernstein; 2: Halmahera, Ant. Duvivier.

The two specimens from Halmahera have a metallic bluish gloss, the other specimens are black with a reddish and greenish gloss. Already in the previous literature mention has been made of this variation in colour.

C. pascoei Cr. L. 17½, Br. 5¾. — 1: Moluccas, H. J. Veth.

C. sheppardi Pasc. L. 15-20, Br. 5½-7. — 4: Morotai, Bernstein; 3: Waigeu, Bernstein; 2: N. Halmahera, Bernstein; 7: Dodinga, Halmahera, Bernstein; 3: New Guinea, Bernstein; 1: Moluccas, W. E. J. Hekmeyer; 1: Halmahera, Ant. Duvivier.

The 7 specimens from Dodinga and one of the two labelled "N. Halmahera, Bernstein" have a more bluish metallic gloss than the other specimens, in which the gloss is more greenish and reddish.

C. wallacei Cr. L. 14½-18½, Br. 5-6. — 11: Morotai, Bernstein.

Endytus Bed.

E. bizonatus Cr. L. 11¾-16½, Br. 4½-6. — 2: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 13: Manna, Sumatra, 1902, M. Knappert, ex coll. Veth; 15: Solok, Sumatra, P. O. Stolz; 1: Silago, Sumatra Expedition, VII 1877; 2: Solok, Sumatra Expedition, IV 1877; 2: Lampong distr., Soekadana, J. C. v. Hasselt; 2: Kepahiang, Sumatra, Wienecke; 2: Palembang, Sumatra, M. Knappert; 1: Tapanoeli, W. Sumatra, Heyting; 2: Pajakombo, Sumatra, H. Rouyer; 1: Saroe Matinggi, Sumatra, A. L. v. Hasselt; 1: Fort de Kock, Padang, Sumatra, 1914, E. Jacobson; 1: Fort de Kock, Sumatra, 920 m, 1926, leg. E. Jacobson; 1: Air Njuruk, Dempu, Sumatra, 1400 m, VIII 1916, E. Jacobson; 1: Nias, E. E. W. G. Schröder; 1: Java, Dr. Koningsberger; 15: Upper Mahakkam, Borneo

Exped. Dr. Nieuwenhuis, 1894; 1: Long Bloe oe, Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1898; 1: N. Borneo, H. Fruhstorfer; 1: Sugut, Sandakan bay, N. E. Borneo, Prakke; 1: Pager Alam, Sumatra, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Sumatra, ex coll. J. J. de Vos tot Nederveen Cappel; 1: label illegible.

Nesitis Bed.

N. attenuata Cr. L. 17-24½, Br. 5½-9. — 20: Solok, Sumatra, P. O. Stolz; 18: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 2: Solok, Padang Highl., P. O. Stolz; 5: Serdang, N. E. Sumatra, VII-X 1921, J. v. Leeuwen; 3: Padang Sidempoean, W. Sumatra, J. D. Pasteur; 2: Solok, Sumatra, Schagen v. Leeuwen; 2: Pajakombo, Sumatra, H. Rouyer; 1: Padang, E. Büttikofer; 1: Loeboek Bankoe, W. Sumatra, J. Menzel; 1: Sumatra, Müller; 1: Boenga Mas, Palembang, Sumatra, J. C. v. Hasselt; 1: Tapanoeli, Sumatra, A. L. v. Hasselt; 1: Tanangtaloe, Ophir, Sumatra, 1915, A. de Kock; 1: Kepahiang, Sumatra, Wienecke; 1: W. coast Sumatra, Sumatra Expedition, I 1878; 1: Padang Highl., Sumatra, J. Menzel; 30: Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1894; 11: Long Bloe oe, Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1898-99; 2: Long Bloe oe, Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1894; 1: Long Dinga, 30 IX 1894, Borneo Exped. Dr. Nieuwenhuis; 2: Sugut, Sandakan bay, N. E. Borneo, Prakke; 1: Katoengau, Borneo Exped., 1894, Max Moret; 1: Sambas, W. Borneo, Dr. J. Bosscha, 1: Poelau Sibau, Borneo, VI 1894, Dr. J. Büttikofer; 1: Nias, E. E. W. G. Schröder; 1: Java, Dr. Koningsberger; 1: unlabelled. The following 13 specimens ex coll. Veth: 11: Manna, Sumatra, 1902, M. Knappert; 1: Deli; 1: Langkat, Dixon. The following 6 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 1: Manna, Sumatra, 1902, M. Knappert; 4: Manna, Sumatra, M. Knappert; 1: Si Pirok, Sumatra. — Coll. Kerkhoven: 1: Manna, Sumatra, 1901, M. Knappert.

N. sexnotata Wied. L. 15-21, Br. 5½-8½. — The following 48 specimens ex coll. Veth: 35: Preanger, Java, P. F. Sijthoff; 3: Djember, Dammerman; 4: E. Java; 3: Pasuruan; 1: Malang; 1: W. Java, Piepers; 1: Nongkodjadjar, Java, I 1911, E. Jacobson. 10: Malang, Java, A. Koller; 28: Ardjoeno, Java, Hekmeyer; 5: Lawang, W. Java, M. Buysman; 19: Java, Dr. H. Bos; 3: Garoet, W. Java, acq. 1893, Mrs. F. Adèr-Verver; 3: Java, Blume; 4: Pengalengan, W. Java, 4000', 1893, H. Fruhstorfer; 2: Tjikorai mts., W. Java, 4000', H. Fruhstorfer; 2: Tengger mts., E. Java, 4000', 1890, H. Fruhstorfer; 2: Java, Müller; 1: Java, Perroud; 2: Soember Aroem, E. Java, IV 1914, P. Buitendijk; 1: Ardjoeno; 1: Widodaren,

Djember, XII 1910, Dammerman; 1: Tosari, Java, 6000 ft., Dr. Kohlbrugge; 3: Banjoewangi, Java, 1909, Th. H. MacGillavry; 1: Kloet, E. Java, 250 m, Leefmans; 1: Idjen plat., Banjoewangi, E. Java, 1000 m; 1: Sumatra, Müller; 28: unlabelled (probably: Ardjoeno, Java, Hekmeyer). The following 13 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 6: Preanger, Java, P. F. Sijthoff; 4: Banjoewangi, Java, 1910, Th. H. MacGillavry; 1: East Java; 1: Bali, J. J. de Vos; 1: Sumatra. — Coll. Kerkhoven: 17: Ardja-Sari, Preanger, Java; 4: Banjoewangi, Java, 1910, Th. H. MacGillavry.

Plagiopisthen Thoms.

Syn. *Platydacne* Fairm.

- P. ferrugineus* Arr. L. 16½, Br. 7½. — 1: Rhodesia; 1: unlabelled.
P. laevistriatus Arr. L. 15, Br. 6. — 1: Kondué, Belgian Congo, Ed. Luja.
P. rufovittatus Har. L. 14-16½, Br. 6-7. — 3: Upangwa, Tanganyika; 1: Banana, Congo; 2: Lake Nyassa, E. Africa; 1: Kondué, Belg. Congo, ex coll. J. J. de Vos tot Nederveen Cappel.
P. quadriplagiatus Schenk. L. 15½-17, Br. 6½-7. — 3: Sikumba, Mputax, II; 1: Sikumba, Delagoa.

Hybosoma Gorch.

- H. striatum* Gorch. L. 14½, Br. 7. — 1: Philippine Is., Dohrn.

Triplatoma Westw.

- T. arcuata* Kuhnt. L. 24, Br. 9. — 1: Padang Sidempoean, Sumatra, Johan v. Hasselt; 1: Toegoe, W. Java, J. D. Pasteur.
T. cypraea Bed. L. 15½-18, Br. 6-7¼. — 13: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 2: Manna, Sumatra, 1902, M. Knappert, ex coll. Veth; 2: Solok, Sumatra, P. O. Stolz; 1: Sumatra, Müller; 1: Langkat, C. Dixon, ex coll. Veth; 1: Tebing tinggi, N. E. Sumatra, Dr. Schulthess; 1: Serdang, N. E. Sumatra, VI-X 1921, J. v. Leeuwen; 1: Loeboek Bangkoe, W. Sumatra, J. Menzel; 1: Soeraal, Sumatra Expedition, IV 1878; 1: Deli, Sumatra, J. Schagen v. Leeuwen; 1: Mendaris, N. E. Sumatra, Trescher, ex coll. Veth; 8: Borneo, Schwaner; 3: Upper Kapuas, S. and E. distr. Borneo, S. L. Brug; 2: Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1894; 1: Borneo, Müller; 1: Sarawak, Borneo, Ant. Duvivier.
T. gestroi Bed. L. 17-24, Br. 6½-9½. — 7: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 1: Kepahiang, Sumatra, Wienecke;

1: Manna, Sumatra, 1902, M. Knappert, ex coll. Veth; 1: Sumatra, Dr. E. Dubois; 1: Tapanoeli, Sumatra, A. L. v. Hasselt; 1: Tapanoeli, Van Hasselt; 1: Loeboek Bangkoe, W. Sumatra, J. Menzel; 1: Sumatra, Exped. IJzerman, Dr. J. F. v. Bemmelen; 8: Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1894; 6: Long Bloe oe, Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1898-99; 1: Borneo, Müller; 1: Borneo, Schwaner; 1: Sarawak, Borneo, Ant. Duvivier.

T. macleayi Lac. L. 21-29½, Br. 8-10. — 2: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 2: Siporok, Sumatra, A. L. v. Hasselt; 1: Sumatra, Müller; 1: Padang Sidempoean, W. Sumatra, J. D. Pasteur; 1: Labuan, Ant. Duvivier; 1: Groot Mandaling, Tapanoeli, W. Sumatra, Heyting; 1: Air Gaung ketjil, Sumatra, VIII 1916, Edw. Jacobson; 1: Langkat, Dixon, ex coll. Veth; 1: Tapanoeli, A. L. v. Hasselt, ex coll. Veth; 2: Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1894; 1: Boengau riv., Borneo Exped. Dr. Nieuwenhuis, VII 1894; 1: Long Bloe oe, Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1898; 5: G. Kenepai, Pondok, Borneo Exped., I 1894, Dr. J. Büttikofer; 1: Upper Kapuas, S. & E. distr. Borneo, S. L. Brug; 1: Java, Ant. Duvivier; 1: Nias, E. E. W. G. Schröder; 1: Nias, J. D. Pasteur; 1: Nias, A. L. v. Hasselt; 1: Si Malorku, Sumatra, ex coll. J. J. de Vos tot Nederveen Cappel; 1: unlabelled.

T. picta Perty. L. 16½-21½, Br. 6½-8½. — 11: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 4: Java, Müller; 3: Soekaboemi, W. Java, 2000', 1893, H. Fruhstorfer; 3: Mt. Gede, W. Java, 4000', VIII 1893, H. Fruhstorfer; 3: Toegoe, W. Java, J. D. Pasteur; 2: Java, Reinwardt; 1: Java, Piepers, ex coll. Veth; 1: W. Java, Van der Weele, ex coll. Veth; 1: Java, Perroud; 5: Preanger, Java, P. F. Sijthoff, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Mt. Gede, W. Java, 4000', VIII 1892, H. Fruhstorfer, ex coll. J. J. de Vos tot Nederveen Cappel.

Paracoptengis Hell.

P. nigrolineatus Gorch. L. 13-15, Br. 5¼-6½. — 2: Madura (the label reads: "Madura, Ind. or."; probably Madura in British India is meant, not Madura in the East Indies); 1: Shembaganur, S. India; 1: Shembaganur, S. India, A. Heyne.

Euzostria Gorch.

E. aruensis Gorch. L. 10½, Br. 4. — 1: Aru Is., Rosenberg (holotype).

Linodesmus Bed.

L. coecus F. L. 18-25, Br. 7-10½. — 1: Joko, Cameroons; 2: Cameroons, H. Rolle, ex coll. Veth; 1: Stanley Falls, VII 1900; 1: Congo, H. C. Kooiman; 1: Lolo, Cameroons, E. Heyne; 3: Bibundi, Cameroons, 1910, N. M. Wsbd., ex coll. J. J. de Vos tot Nederveen Cappel; 1: Bipindi, S. Cameroons, VIII-IX 1898, Zenker S. V., ex coll. J. J. de Vos tot Nederveen Cappel; 1: unlabelled, ex coll. Veth.

L. stuhlmanni Kolbe. L. 18-25, Br. 7-10½. — 1: Cameroons, Engelsberg; 1: Tanganyika; 1: Stanleyville, 1912, G. J. A. Pool, ex coll. Veth; 1: Stanley Falls, VII 1900; 1: Stanley Falls, VII 1900, G. v. Roon don.; 1: Johann-Albrechtshöhe, Cameroons, 1896, L. Conradt; 1: Lolo, Cameroons, 1894-95, L. Conradt; 1: Bibundi, Cameroons, 1910, N. M. Wsbd., ex coll. J. J. de Vos tot Nederveen Cappel; 1: unlabelled.

Episcapha Lac.

E. antennata Cr. L. 15½, Br. 6¾. — 1: Java, Müller; 1: unlabelled, ex coll. Veth.

E. consanguinea Cr. L. 12½-17, Br. 4¾-7. 14: Mauson mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer.

All the 14 specimens in the collection agree with the description and the figure of Kuhnt (Genera Insectorum, fasc. 88, pl. 4 f. 10), but they are all haired. I think that Crotch has forgotten to mention this character in his description. See also Heller (1918, Archiv f. Naturgesch., Jhrg. 84 A, Heft 8).

E. fortunei Cr. L. 16½, Br. 7. — 1: Fuhosho, Formosa, VII 1909, H. Sauter.

E. glabra Wied. L. 12-17, Br. 5½-8. — 69: Solok, Padang Highl., Sumatra, P. O. Stolz; 74: Solok, W. Sumatra, 4 III 1912, P. O. Stolz; 52: Sipirok, Sumatra, A. L. v. Hasselt; 3: Sipirok, A. L. v. Hasselt, ex coll. Veth; 4: Loeboek Bangkoe, W. Sumatra, J. Menzel; 1: Groot Mandeling, Tapanoeli, W. Sumatra, Heyting; 1: Pajakombo, Sumatra, H. Rouyer; 1: Solok, Sumatra, J. Schagen v. Leeuwen; 4: Tanang taloe, Ophir, Sumatra, 1915, A. de Kock; 45: Upper Mahakkam, Borneo, Kampmeiner; 8: Poentjak (Megamendoeng), boundary Buitenzorg-Preanger, W. Java, J. D. Pasteur; 9: Java; 2: Soekaboemi, W. Java, 2000', 1893, H. Fruhstorfer; 1: Java, W. E. J. Hekmeyer; 1: Patoeki, Tjigombong, Java, IX; 3: Java, Perroud; 2: unlabelled, Perroud; 1: Java, Greiner, ex coll. Heylaerts; 1: Toegoe, W. Java, J. D. Pasteur; 1: Java, Ant. Duvivier; 1: Cayeb, Perroud; 5: Preanger, Java, P. F. Sijthoff, ex coll. Veth;

4: Tanang taloe, Ophir, Sumatra, 1915, A. de Kock; 4: Tjikorai mts., W. Java, 4000', 1892, H. Fruhstorfer; 1: Java, Dr. Koningsberger; 1: unlabelled. The following 9 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 2: Java; 1: Preanger, Java, P. F. Sijthoff; 7: Dolok Baros, Sumatra. — Coll. Kerkhoven: 1: Banjoewangi, Java, I 1891, Hubrecht.

E. glabra Wied. var. *intermixta* Hell. — 4: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 2: Tjikorai mts., W. Java, 4000', 1892, H. Fruhstorfer; 1: Java, Dr. Koningsberger; 3: Java, W. E. J. Hekmeyer; 1: Java, Piepers, ex coll. Veth. The following 4 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 1: Preanger, Java, P. F. Sijthoff; 1: Java; 1: Padang Highlands, Sumatra. — Coll. Kerkhoven: 1: Taloen, Preanger, Java; 1: Selecta, Java, 1923, Kerkhoven.

E. glabra Wied. subspec. *sumatranus* Hell. — 2: Tanang taloe, Ophir, Sumatra, 1915, A. de Kock; 1: Padang Highlands, Sumatra, ex coll. J. J. de Vos tot Nederveen Cappel.

E. gorhami Lew. L. 15, Br. 7. — 1: Japan, Dr. J. G. de Man.

E. hypocrita Hell. L. 15-18, Br. 7-8½. — 3: Poentjak (Megamendoeng), boundary Buitenzorg-Preanger, W. Java, J. D. Pasteur; 8: Wijnkoopsbay, V 1890; 2: Soekaboemi, W. Java, 2000', 1893, H. Fruhstorfer; 2: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 1: Ardjoeno, Java, Sijthoff; 1: Buitenzorg, Dr. J. G. Boerlage; 1: Poentjak, Jacobson, ex coll. Veth; 5: Java, W. E. J. Hekmeyer; 1: Tjibodas, Java, II 1916, E. Jacobson; 1: Java, Fruhstorfer; 1: Mt. Gede, Java, IX 1914, E. Jacobson; 2: Java; 1: Tjikorai mts., W. Java, 4000', 1892, H. Fruhstorfer; 1: W. Java, Piepers, ex coll. Veth; 1: Sumatra, Müller; 1: Lussung distr., Sumatra, 3-7 XII 1883, Dr. B. Hagen's 2nd Toba journey.

E. indica Cr. L. 16½, Br. 7. — 2: Catcin Cauri, Burma, VIII-XI 1886, Fea; 1: Trichinopoly.

Episcapha javanica nov. spec. L. 11½-14, Br. 5¼-6½. — 1: Preanger, Java, P. F. Sijthoff, ex coll. Veth (holotype); 1: Mt. Gede, W. Java, 4000', VIII 1893, H. Fruhstorfer (paratype); 4: Soekaboemi, W. Java, 2000', 1893, H. Fruhstorfer (paratypes).

Belongs to the *glabra*-group. The differences from the other species of this group are: first joint of the antennal club longer than broad, club slender, not closely jointed, about 3 times as long as broad, much longer than the club of *E. hypocrita*. Terminal joint circular. Elytra each have two yellow red round spots, but the shoulder tip is black. The black band is maximally as broad as the first spot. There are hardly any hairs on the elytra.

E. longicornis Lac. L. 10½-12½, Br. 4½-6. — 1: Boenga Mas, Palembang.

bang, Sumatra, J. C. v. Hasselt; 1: Solok, Sumatra, P. O. Stolz; 14: Sangir Is. (or N. Celebes), E. E. W. G. Schröder; 6: Amboina, Forsten; 7: Borneo, Müller; 1: Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1894; 1: Bachan, VIII 1906, Koller; 1: Waigeu, Bernstein; 1: Bali, J. J. de Vos, ex coll. J. J. de Vos tot Nederveen Cappel.

E. morawitzi Solsky. L. 13, Br. 6. — 3: Ewgieniewka, Ussuri, Jul. Isaak.

E. oculata Lac. L. 10½-13, Br. 4¾-6. — 5: Tengger mts., E. Java, 4000', 1890, H. Fruhstorfer; 1: Central Java, 1500', 1891, H. Fruhstorfer; 6: Palabuan, Central Java, 1892, H. Fruhstorfer; 2: Idjen plat., Banjoewangi, E. Java, 1000 m; 1: Java, Reinwardt; 1: Banjoewangi, Java, 1909, Th. H. MacGillavry; 1: Java, Müller.

E. opaca Hell. L. 11½, Br. 5. — 1: Yun-nan, China.

E. pavo Arr. L. 12, Br. 5½. — 1: Java, Reinwardt; 1: Java, Müller; 1: Banjoewangi, Java, Th. H. MacGillavry, ex coll. Veth.

E. quadrimacula Wied. L. 8½-14, Br. 4-6. — 70: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 7: Palembang, Sumatra, M. Knappert; 5: Solok, Sumatra, P. O. Stolz; 1: Benkoelen, Sumatra, K. E. Keil; 2: Distr. Moesi Ilir, about 50 m above sea level, Palembang, Sumatra, K. E. Keil; 2: Sugu, Simalur, III 1913, Edw. Jacobson; 3: Tapanoeli, W. Sumatra, Heyting; 1: Aur Kumanis, Sumatra, III 1914, E. Jacobson; 1: Tajoentoeng, Sumatra, K. E. Keil; 1: Soekadana, Lampong, Sumatra, J. C. v. Hasselt; 1: Boenga Mas, Palembang, J. C. v. Hasselt; 1: Langkat Deli, Sumatra, Sijthoff; 1: Deli, J. Schagen v. Leeuwen; 2: Lussung distr., 3-7 XII 1883, Dr. B. Hagen's 2nd Toba journey; 1: Deli, Widjoeno, Atjeh, Neeb; 1: Medan, Deli, Sumatra, J. Semmelink; 1: Fort de Kock, Sumatra, 1885, Van Riemsdijk; 15: Solok, W. Sumatra, 4 III 1912, P. O. Stolz; 2: Tanang talu, Sumatra, V 1915, Edw. Jacobson; 2: Siantar, E. coast Sumatra, 1931, H. G. Hellendoorn; 1: Soekadana; 19: Sugut, Sandakan bay, N. E. Borneo; 57: Upper Mahakkam, Borneo, Kampmeinert; 8: Long Bloe oe, Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1894; 2: Long Dongay, Borneo Exped. Dr. Nieuwenhuis, 1894; 20: Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1898-99; 22: Long Bloe oe, Upper Mahakkam, Borneo Exped. Dr. Nieuwenhuis, 1898; 2: Sambas, Borneo, V 1890, Mr. Th. F. Lucassen; 2: Upper Kapuas, S. & E. distr. Borneo, S. L. Brug; 57: Ketoengau, Borneo Exp., Max Moret; 1: Sintang, Borneo Exped., 1894; 1: Pontianak, Borneo, 28 VII 1922, ex coll. Jurriaanse; 4: Moeara Antjol, Batavia, XII 1907, E. Jacobson; 1: Buitenzorg, XI 1907, E. Jacobson; 1: Ardjoeno, Java, Sijthoff; 1: Java, Greiner, ex coll. Heylaerts; 2: Tengger mts., E. Java, 4000', 1890, H. Fruhstorfer; 1:

Noesa Kembangan, Java, V 1911, Drescher; 2: Banjoewangi, Java, 1909, Th. H. MacGillavry; 8: Java; 1: Ardjoeno Java, Hekmeyer; 1: Java, Dr. H. Bos; 1: Buitenzorg, XI 1928, J. v. d. Vecht; 1: Pulu Tello; 6: Salayar, 27 I 1881, H. E. D. Engelhard; 6: Pulu Wai, VIII 1910, P. Buitendijk; 6: Nias, J. D. Pasteur; 1: Bangka; 4: Sapit, Lombok, 2000', IV 1896, H. Fruhstorfer; 3: Samlaki, Tenimber Is., V 1914, Kopstein; 4: Nilla Banda, 17 IV 1923, Kopstein; 1: Boengoeran, V 1895, Van Hasselt; 2: P. J. v. d. Does de Bijé; 3: Shembaganur, S. India; 1: Trichinopoly; 1: Ceylon, Candèze; 7: Phuc-Son, Annam, XI-XII, H. Fruhstorfer; 6: Fuhosho, VII 1909; 2: Fuhosho, Formosa, VII 1909, H. Sauter; 1: Philippine Is., Dohrn; 1: Laos, Tonkin; 3: unlabelled. The following 27 specimens ex coll. Veth: 5: Manna, Sumatra, M. Knappert; 8: Rawas, V 1878; 3: Sipirok, 1894, A. L. v. Hasselt; 1: Silago, Sumatra Exped., VII 1877; 2: Soeroel, Sumatra Exped., IV 1878; 1: Padang Highl., V. R.; 3: E. Borneo, Seipg.; 1: Java, Piepers; 3: British India. The following 12 specimens ex coll. J. J. de Vos tot Nederveen Cappel: 1: Bantam, Java, De Vos; 1: Krawang, Java, L. d. V.; 1: Dolok Baros, Sumatra; 1: Manna, Sumatra, 1901, M. Knappert; 2: Manna, Sumatra, M. Knappert; 1: Benkoelen, Sumatra; 5: Sumatra. — Coll. Kerkhoven: 4: Ardja-Sari, Preanger, Java; 1: Tjipongpok, Java, 1923, Kerkhoven; 4: Banjoewangi, Java, 1909, Th. H. MacGillavry; 1: Bekassa, Deli, Sumatra, III 1912, J. B. Corporaal; 4: Simaloer, 1916, Voorthuis; 1: Pelaboean Ratoe, Preanger, Java, J. B. Corporaal.

E. quadrimacula Wied. var. *septentrionis* Hell. — 2: Hainan, S. China.

E. tapferi Mad. L. 12-13, Br. 5-5¾. — 5: Fuhosho, Formosa, VII 1909, H. Sauter.

E. vestita Lac. L. 11½, Br. 6. — 5: Java, Müller; 3: Java, ex coll. Veth; 2: unlabelled.

E. xanthopustulata Gorh. L. 10, Br. 5. — 1: Soekadana, Lampong distr., Sumatra, J. C. v. Hasselt; 1: Boenga Mas, Palembang, Sumatra, J. C. v. Hasselt.

Episcaphula Crotch

E. abbreviata Web. L. 6-8, Br. 2¾-3½. — 16: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 3: Preanger, Java, Kerkhoven; 3: Java, Blume; 1: Pasuruan, Dr. L. Zehntner; 1: Nongkodjadjar, Java, I 1911, E. Jacobson, ex coll. Veth; 1: Java, Müller; 1: Wijnkoopbay, Java, Dr. J. F. van Bemmelen; 3: Manna, Sumatra, M. Knappert, ex coll. Veth; 1: Fort de Kock, Sumatra, II 1922, E. Jacobson; 1: Sumatra Exped., IV 1877; 1: Serdang, Sumatra, J. Schagen v. Leeuwen; 1: Tandjong Morawa, Serdang,

N. E. Sumatra, Dr. B. Hagen; 1: Tjigembong, Preanger, Java, V 1915, J. B. Corporaal, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Preanger, Java, P. F. Sijthoff, ex coll. J. J. de Vos tot Nederveen Cappel; 1: unlabelled. — Coll. Kerkhoven: 12: Ardja-Sari, Preanger, Java; 2: Tjigembong, Preanger, Java, V 1915, J. B. Corporaal.

E. amboinensis Cr. L. 9½, Br. 4. — 1: Amboina, Forsten.

E. andamanensis Gorh. L. 8, Br. 3½. — 1: Andaman Is. (holotype).

E. aruensis Gorh. L. 10, Br. 4. — 2: Aru Is., Von Rosenberg (cotypes).

E. australis Boisd. L. 7½-9, Br. 3½-4. — 3: Waigeu, Bernstein; 1: Gebeh, Bernstein; 1: Salawatti, Bernstein; 1: Dodinga, Halmahera, Bernstein; 1: N. Halmahera, Bernstein; 6: Timor, Wienecke; 1: Salayar, ex coll. Veth; 1: Aru Is., Von Rosenberg; 1: Aru Is., ex coll. Veth; 1: Bandung, ex coll. Veth; 1: Zoutbron, Dutch New Guinea Exped., VI-VII 1911, Dr. P. N. v. Kampen; 4: British New Guinea; 3: New Britain; 1: Australia, Ant. Duvivier; 1: unlabelled. — Coll. Kerkhoven: 10: New Guinea, Beudeker.

E. austrocaledonica Fauv. L. 8-9, Br. 3½-4. — 2: New Caledonia, Van Lansberge; 5: Noumea, New Caledonia, det. Fauvel, ex coll. Perroud; 1: New Caledonia, Ant. Duvivier; 1: New Caledonia, Léon Fairmaire; 1: unlabelled.

E. cameruna Hell. L. 8½-10, Br. 3½-4. — 1: Cameroons, Sjöstedt.

E. cameruna Hell. subspec. *centralis* Hell. — 1: Lolo, S. E. Cameroons, L. Conradt, 1895.

E. corallipes Gorh. L. 11-13, Br. 5-6. — 1: Amboina, Hoedt (holotype); 2: Amboina, H. Donckier.

E. cruciata Lac. L. 7½-9½, Br. 3½-4½. — 52: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 5: Poentjak, Megamendoeng, boundary Buitenzorg-Preanger, W. Java, J. D. Pasteur; 6: Java, Kuhl & Van Hasselt; 6: Tjikorai mts., W. Java, 4000', 1892, H. Fruhstorfer; 2: Soekaboemi, W. Java, 2000', 1893, H. Fruhstorfer; 1: Toegoe, W. Java, J. D. Pasteur; 1: Java, Perroud; 1: Tjinjireoan, Malabar mts., W. Java, XI 1909, Dr. H. W. v. d. Weele; 2: Solok, Padang Highl., P. O. Stolz; 1: Pajakombo, Sumatra, H. Rouyer; 1: Fort de Kock, Sumatra, XI 1913, E. Jacobson; 10: Preanger, Java, P. F. Sijthoff, ex coll. J. J. de Vos tot Nederveen Cappel; 2: Preanger, Java, ex coll. J. J. de Vos tot Nederveen Cappel; 15: unlabelled.

E. elongata Guér. L. 6-8, Br. 2½-3½. — 13: Preanger, Java, P. F. Sijthoff, ex coll. Veth; 6: Java, Müller. 12: Poentjak, Megamendoeng, boundary Buitenzorg-Preanger, W. Java, J. D. Pasteur; 6: Tengger mts., E. Java, 4000', 1890, H. Fruhstorfer; 9: Soekaboemi, W. Java, 2000', 1893,

H. Fruhstorfer; 4: Malang, S. mts., A. Koller; 5: Tosari, Kohlbrugge; 1: Java; 1: Malang, Java, H. Rouyer; 1: Mt. Merbaboe, Java, V 1912, Drescher; 1: Java, Nongkodjadjar, I 1911, E. Jacobson; 1: Bandoeng, V. R., ex coll. Veth; 1: West Java, ex coll. J. J. de Vos tot Nederveen Cappel; 1: Java, Gebien, ex coll. J. J. de Vos tot Nederveen Cappel. — Coll. Kerkhoven: 5: Rioeng Goenoeng, Java, 1923, Kerkhoven; 2: Malabar, Java, 1923, Kerkhoven.

E. granulata Lac. L. 9, Br. 3½. — 2: Semarang, Drescher, ex coll. Veth; 2: Semarang, X 1906, Drescher; 1: Semarang, Java, X 1909, E. Jacobson; 1: Semarang, Java, E. Jacobson.

E. mouatti Guér. L. 9-11, Br. 4½-5. — 2: E. Madagascar, H. Rolle, ex coll. Veth; 2: Madagascar, Perroud; 1: Madagascar, Ant. Duvivier; 1: Madagascar, Audouin; 1: unlabelled, ex coll. Mr. J. L. C. v. Essen.

Episcaphula nigromaculata nov. spec. L. 11½-13, Br. 5-5½ (fig. 4 f). — 3: Joko, Cameroons (holotype and 2 paratypes).

Head brown, punctured. Antennae light brown, 3rd joint longer than the 4th. Club more than twice as long as broad, terminal joint circular. Thorax brown, punctured, sides of thorax margined, these margins with pronounced punctures. The margins are curved inward along the front side. Scutellum finely punctured, nearly round behind. Elytra yellow, punctured, with 8 rows of more distinct punctures. The whole suture and side are margined by a thin brown line. Each elytron has one small dark brown spot along the scutellum, behind the shoulder also such a spot, a half circular spot in the middle against the suture and one against the side, a small spot follows and the top is also brown. Episternal margin of the prosternum is effaced. The first tangential lines are very short, not surpassing the coxae. The whole under side is dark brown with exception of the abdomen, which is red, the whole of the underside is punctured, the abdomen is minutely haired.

E. nigropygialis Kuhnt. L. 8½, Br. 4. — 4: Natal; 1: Tanganyika, P. Ringler.

E. opaca Cr. L. 9, Br. 4. — 4: Warburton, distr. Victoria.

E. philippinarum Lac. 5½-7½, Br. 2½-3½. — 4: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 3: Manna, Sumatra, M. Knappert, 1901/02, ex coll. Veth; 1: Singkel, Sumatra, A. L. v. Hasselt; 1: Sumatra, Müller; 1: Koetoer, Sumatra exp., VI 1878; 1: Smitau, I 1894, Dr. J. Büttikofer; 1: Deli, Seipg., ex coll. Veth; 1: Serdang, Sumatra, J. Schagen v. Leeuwen; 1: Serdang, N. E. Sumatra, X 1921, J. v. Leeuwen; 3: Borneo, Schwaner; 1: S. E. distr. Borneo, J. W. v. Nouhuys; 2: Nias, A. L. v. Hasselt; 1: Salayer, VIII 1880, H. E. D. Engelhard; 1: New Guinea.

E. reichei Fauv. L. 8, Br. $3\frac{3}{4}$. — 1: Kanala, New Caledonia, Van Lansberge.

E. ruficornis Hell. L. $9\frac{1}{2}$, Br. $4\frac{1}{2}$. — 1: unlabelled, ex coll. Mr. J. L. C. v. Essen, ex coll. Veth.

Episcaphula rufocollaris nov. spec. L. $9\frac{1}{2}$, Br. $4\frac{1}{2}$ (fig. 4 g). — 1: Nyasa, De Josselin de Jong, ex coll. Veth (holotype).

Head very dark red, almost black, punctured. Antennae of the same dark red colour, 3rd joint longer than the 4th. Club nearly twice as long as broad, terminal joint not circular. Thorax very dark red, punctured. Sides marginated, margins curved inward along the front side till the inner side of the eyes. Scutellum black, nearly smooth. Elytra black with very dark red top. They are punctured, with 8 rows of punctures of a more pronounced character. Each elytron with 2 lighter red bands. The first runs nearly straight till the 2nd row of punctures, with a dent pointing forward between the 4th and 5th row, nearly reaching the base. This band has also 3 small excavations behind. The 2nd band is curved, with 2 excavations behind and 2 small dents pointing forward. Margin of the prosternum distinct. Prosternum carinated till nearly the frontside. Tangential lines surpass the coxae and reach each other. Metasternal tangential lines oblique. Abdomen dark red. Prosternum coarsely, metasternum in the middle finely, and abdomen also finely punctured. Last segment of the abdomen minutely haired.

E. senegalensis Cast. L. $6\frac{1}{4}$ -9, Br. 3-4. — 6: Joko, S. Cameroons, A. Heyne; 1: Fr. Congo; 1: Liberia, Stampfli; 1: Juring, Sulyma riv., Liberia, II 1891, A. F. Demery; 10: Junk riv., Liberia, Stampfli; 1: Senegal, Buquet; 1: Niam-Niam, Africa, Schlüter; 1: Senegal, 1844, Petit; 2: unlabelled.

Episcaphula sexsignata Hell. var. ***immaculata*** nov. L. $12\frac{1}{2}$, Br. $5\frac{1}{2}$ (fig. 4h). — 3: Lolo, S. E. Cameroons, 1895, L. Conradt (holotype and 2 paratypes); 1: Cameroons, Von Benningsen (paratype).

Quite like the typical specimens, but the thorax without any yellow spot.

E. singalensis Csiki. L. 7, Br. 3. — 3: Ceylon.

Episcaphula tetrasticta Gorh. is ***Neothallis tetrasticta*** Gorh. In the collection there are the type specimens of this species.

E. tonkinensis Hell. L. 8-10, Br. $3\frac{1}{2}$ -4. — 13: Mauson mts., Tonkin, IV-V, 2-3000', H. Fruhstorfer.

E. tripunctata Hell. L. $10\frac{3}{4}$, Br. 5. — 1: Natal, Finsch.

E. uniramosa Hell. L. 8- $10\frac{1}{2}$, Br. 4-5. — 12: Tengger mts., E. Java, 1500', 1891, H. Fruhstorfer; 1: Preanger, Java, P. F. Sijthoff; 1: Sumatra; 1: unlabelled.

Megalodacne Crotch

M. audouini Lac. L. 13½-21, Br. 5½-8½. — 2: Mexico, Perroud; 1: Brazil, Perroud.

M. audouini Lac. var. *unifasciata* Schkl. — 1: Mexico.

M. elongatula Cr. L. 15, Br. 6. — 1: Noesa Kembangan, Java, IV 1910, Drescher; 1: Flores, Ludeking.

M. fasciata F. L. 11½-14, Br. 5-6. — 2: Kentucky, N. America, V. M. Duchon; 3: United States, ex coll. Veth; 1: United States, ex coll. Heylaerts; 1: N. Harmony, 1833, Say; 1: New York; 1: leg. Snow; 1: Tennessee; 3: Mexico, Perroud; 1: Chicago, ex coll. J. J. de Vos tot Nederveen Cappel; 3: unlabelled.

M. furcata Gorb. L. 20, Br. 8. — 1: Ekok, S. Cameroons, XII, A. Heyne.

M. grandis F. L. 16-23, Br. 6½-8½. — 2: Senegal, Perroud; 1: Senegal; 3: Natal, S. E., Perroud; 1: Natal, ex coll. Veth; 1: Senegal, Ant. Duvi-
vier; 2: Lukuledi, E. Africa, ex coll. Veth; 1: Manow, Tanganyika; 1: Schweinfurth, Central Africa, E. Witte; 1: Stanley Falls, VII 1900, ex coll. Veth; 1: Cape Mount, Liberia, Büttikofer; 1: Somaliland, E. Africa, E. Heyne; 1: Usumbara, E. Africa, F. Schneider, ex coll. J. J. de Vos tot Nederveen Cappel; 2: Tanganyika, ex coll. J. J. de Vos tot Nederveen Cappel; 2: unlabelled, ex coll. Mr. J. L. C. v. Essen, ex coll. Veth; 2: unlabelled.

M. heros Say. L. 17½-21, Br. 6½-9. — 2: Alleghany, H. Rolle, ex coll. Veth; 1: N. Harmony, 1833, Say; 1: N. America, Fauvel; 1: Wilmerding, Pa., U. S. A., ex coll. J. J. de Vos tot Nederveen Cappel; 1: unlabelled.

M. luteoguttata Cr. L. 11½-16½, Br. 4½-6. — 7: Tandjong Morawa, Serdang, N. E. Sumatra, Dr. B. Hagen; 1: Upper Kapuas, S. & E. distr. Borneo, S. L. Brug.

M. quadriguttata Ol. L. 20½-23, Br. 7½-8½. — 3: Mar de Hespanha, Minas Geraes, Brazil, A. Heyne; 1: Probably Cayenne, Guiana, Maquart.

The last mentioned specimen differs from the other three by the smaller reddish spots and the deeper punctures on the elytra.

M. sponsa Lac. L. 20, Br. 7½. — 1: Antananarivo, Madagascar.

M. tortuosa Lac. L. 13-18, Br. 5½-7½. — 4: Bogota, Van Lansberge; 1: Colombia, Perroud.

M. vitalisi Arr. L. 7, Br. 2 ¾. — 1: Laos, Pon Bia, 23 I 1918, R. V. de Salvaza (cotype), ex coll. J. J. de Vos tot Nederveen Cappel.

Mimodacne Bed.

The genus *Libycodacne* Hell. (1918, Arch. f. Naturgesch., Jhrg. 84 A, Heft 8, p. 57) is a synonym of the genus *Mimodacne* Bed. (Ann. Soc.

ent. France, vol. 85, p. 367). They have the same species (*M. grandipennis* Fairm.) as genotype.

M. belgarum Bed. L. 27½, Br. 10. — 1: unlabelled.

M. grandipennis Fairm. L. 22½-27, Br. 8½-10. — 1: N. W. Rhodesia; 1: Tabora, Tanganyika; 2: Kigonsera, Nyasa.

Scaphodacne Hell.

S. neglecta Hell. L. 14½-17½, Br. 6-7. — 4: Cameroons, H. Rolle, ex coll. Veth; 1: Togo, from Miss. Mus. Steyl; 2: Ekok, S. Cameroons, XII, A. Heyne; 1: Abonando, Cameroons; 1: Gabon; 1: Mundame, Cameroons, R. Rohde, ex coll. J. J. de Vos tot Nederveen Cappel.

S. neglecta Hell. ab. *abbreviata* Hell. — 2: Loango, Fr. Congo; 1: Belg. Congo.

S. neglecta Hell. ab. *reducta* Hell. — 1: Stanley Falls, 1900, ex coll. G. v. Roon; 1: Gabon; 1: Ekok, S. Cameroons, A. Heyne.

S. piciventris Gorh. L. 9½-11, Br. 4½-5. — 3: Ekok, S. Cameroons, XII, A. Heyne; 3: Fr. Congo; 2: Loango, Fr. Congo; 1: Cameroons; 1: Junk riv., Liberia, Stampfli; 1: Junk riv., Liberia, Büttikofer; 1: Ekok, S. Cameroons, XII, ex coll. J. J. de Vos tot Nederveen Cappel.

S. rectesignata Cr. L. 14½-17½, Br. 6-7. — 1: Niam Niam, Africa, Schlüter; 1: Sangonelima, S. Cameroons; 1: Loango, Fr. Congo; 1: Joko, Cameroons; 1: Ekok, S. Cameroons, XII, A. Heyne.

Microsternus Lew.

Microsternus javanus nov. spec. L. 3 (fig. 5 d). — 1: Mt. Merbaboe, Java, Drescher, XII 1907 (holotype).

Head brown, punctured. Eyes coarsely faceted. Antennae brown, 3rd joint as long as the 4th, 5th and 6th together. Antennae do not reach the base of the thorax. Club large, closely jointed, nearly 1½ times as broad as long, 4th till 9th joint small, broader than long. Thorax brown, with a broad margin on each side. Along these margins there is a distinct furrow. The margins are narrower behind. Thorax punctured, with a straight line of impressions before the basal projection. Scutellum brown, smooth, round behind. Elytra with 8 fine rows of punctures, with large spots of brown red colour, on each elytron 1 large spot in front, reaching the side, but not the base and suture, a common large spot slightly behind the middle, whilst also the tops of the elytra are brown red. For the rest the elytra are dark brown. The broad band behind the middle (the common large spot) runs from side to side and has a dent along the suture. Under side brown. First tangential lines converging and reaching each other.

Prosternum coarsely punctured outside of the lines. Middle tangential lines oblique, near the end curved in posterior direction. Metasternum and abdomen punctured. The whole under side is minutely haired.

Microsternus sumatranus nov. spec. L. 6, Br. 3 (fig. 5 f). — 1: Palembang, Sumatra, H. Donckier (holotype).

Black with 4 yellow bands. Head punctured. Antennae dark brown, almost black, stout, 3rd joint somewhat longer than the 4th, club closely jointed. Sides of thorax margined, slightly curved inward along the front side, each angle with a pronounced puncture, wholly punctured except the basal projection. Scutellum finely punctured, round behind. Elytra punctured, with 8 rows of more distinct punctures. Each elytron with 2 yellow bands. The first is curved around the shoulder, this band nearly reaches the base and side, it has 2 little dents behind. The 2nd band behind the middle, reaching neither suture nor side, it shows a little excavation behind. Under side punctured and haired. Prosternal tangential lines converging and reaching each other. Between these lines the prosternum is smooth. No middle and last tangential lines.

Tamboria Hell.

Tamboria kerkhoveni nov. spec. L. $6\frac{1}{4}$, Br. $2\frac{3}{4}$ (fig. 3 b). — Coll. Kerkhoven: 1: Ardja-Sari, Preanger, Java (holotype).

Black with brown red design. Head black, distinctly punctured. Eyes rather coarsely faceted. Antennae black, club $2\frac{1}{2}$ times as long as broad. Terminal joint nearly round, 3rd and 4th joint equal in length. Thorax black, distinctly punctured, all sides margined. Lateral margins with deep punctures, as are also found in the 4 angles. The 2 depressions on each side of the basal projection are distinctly visible with the naked eye. Scutellum black, finely punctured, with a sharp angle, broader than long. Elytra punctured, with very indistinct rows. They are black with a brown red pattern, consisting of 2 large spots on the beginning and end of each elytron. The first of these has a black spot on the shoulder and is excavated near the scutellum. It is combined with the second by a line along the side. The second includes a triangular black spot, and reaches, as the first, the first row of punctures. The first spot has 3 dents behind, the 2nd 2 dents in front. The upper side is finely haired. The whole under side is black, also the epipleura, punctured and minutely haired. Prosternal tangential lines do not surpass the coxae. No other tangential lines. 4th tarsal joints small but distinct. Mesosternum as mentioned in the description of the genus.

Thaumastodacne nov. gen.

No visible mesosternum, prosternum deeply sunk next the coxae, not between them. Metasternum large. Not any tangential lines. First tibia over the whole of their length enlarged and flattened. Beginning of the rostrum distinctly narrowed. Antennal club 3-jointed. Eyes finely faceted. Tarsi elongate, 4th joint reduced. Belongs on account of the shape of the terminal joint of the maxillary palpi to the Dacninae.

Genotype: *Thaumastodacne javana* nov. spec.

Thaumastodacne javana nov. spec. L. 3, Br. $2\frac{1}{4}$ (fig. 5 e). — 1: Preanger, Java, P. F. Sijthoff (holotype).

Brown. Head punctured. 2nd antennal joint as long as the 3 following, all are elongate but from the 2nd they become regularly shorter. Club distinct, twice as long as broad. Thorax punctured, sides finely margined. Basal projection distinctly separated. Scutellum punctured, closely fitting against the basal projection, round behind. Elytra with 10 rows of punctures, between these nearly smooth. The whole insect is more or less globular. Metasternum has the sides punctured, rest of the under side smooth.

EUXESTINAE

Euxestus Woll.

Syn. *Tritomidea* Motsch., *Neoplotera* Belon.

E. hypomelas Arr. L. $2\frac{1}{4}$. — 1: Mt. Singgalang, W. coast Sumatra, 1800 m, VII 1925, leg. E. Jacobson (*E. hypomelas* Arr., det. G. J. Arrow, cotype).

E. oblongus Motsch. L. 2. — 1: Salayar, 20 I 1881, H. E. D. Engelhard.

E. translucidus Arr. L. 2. — 1: Fort de Kock, Sumatra, 920 m, leg. E. Jacobson (*E. translucidus* Arr., det. G. J. Arrow, cotype).