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## The Pyrrhocoroidea (Hemiptera – Heteroptera) of the Ethiopian region

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The superfamily Pyrrhocoroidea Southwood 1956 is closely related to the Lygaeoidea and the Coreoidea, and was placed by many authors as a subfamily of the Lygaeidae. It was recognized as a separate family by Amyot and Serville in 1843 under the name 'Cecigenes' and they divided it into two groups 'Pyrrhocorides' and 'Largides'. These two names became recognized as subfamilies of the Pyrrhocoridae, the family name being established by Fieber (1861). Hussey (1929) quotes Van Duzee (1916), who established the name Euryopthalminae to replace Larginae and divided that subfamily into two tribes Euryopthalmini and Physopeltini. This nomenclature was dealt with in detail by China (1954) who established that Larginae is still the correct subfamily name. Van Duzee's tribe Euryopthalmini is confined to American genera. China (1954) states that because of their differing affinities, the Larginae being more closely related to the Lygaeidae and the Pyrrhocorinae to the Coreidae, both these subfamilies should assume family status. This change in status was followed by China and Miller (1959). Southwood (1956), following a study of the eggs of the Heteroptera, had also suggested that the families Largidae and Pyrrhocoridae together formed the superfamily Pyrrhocoroidea. This view was accepted and confirmed by Schaefer (1964) following detailed morphological investigations of representatives of the Lygaeoidea, Coreoidea and Pyrrhocoroidea. Schaefer also summarised the conclusions of other workers who had undertaken comparative studies of morphological characters within the three superfamilies.

China and Miller (1959) used the following characters to typify the Pyrrhocoroidea:

1. Abdominal trichobothria present
2. Scutellum small, shorter than the clavus, a distinct claval commissure present
3. Antennophores visible from above
4. Antennae four segmented
5. Ocelli absent
6. Membrane of the hemelytra usually with two basal cells, from which 7 - 8 branching longitudinal veins extend to the apical margin
7. Medium to large, brightly colored, usually phytophagous bugs

Only 13 out of the 18 genera now recognised in the Ethiopian Region can be said to be brightly colored; the other five genera being dark in general coloration. The two families are: Largidae - Sixth visible (seventh actual) ventral abdominal segment in the female cleft in the middle; Pyrrhocoridae - Sixth visible ventral abdominal segment entire in both sexes. There does not seem to be any way to key out the males of the African Largidae (Physopelta) without dissection.

Hussey (1929) lists 360 species worldwide in the superfamily Pyrrhocoroidea Southwood 1956 with 77 African species, in 13 genera, the genus *Dysdercus* containing 15 of these species. Since then, a number of new species have been described. This catalogue is based on the literature up to 2000 and the study of material in the National Museum of Kenya (NMK), Nairobi, which includes my own collections from east Africa, mainly Tanzania. The present check-list gives 102 species in 18 genera.

The literature contains few references to the biology and ecology of the superfamily, being largely taxonomic. Only the genus *Dysdercus*, containing the 'cotton stainers' is of economic importance, and for that genus the literature is very extensive. For this reason the genus *Dysdercus* and the literature pertaining to it has been excluded from the present paper, except that, for completeness, it has been included in the list of species and the key to genera. Some of the other genera in the superfamily must be regarded as rare, few specimens being available in collections and in some, descriptions have been done on the basis of one or two specimens, sometimes only a single sex being known. Madagascar has been considered as being outside the scope of this work, as have the Mascarene Islands.

## KEY TO THE AFRICAN GENERA

The first key to separate the African genera was by Stål (1865). The next key specifically intended for genera in the Ethiopian Region was by Villiers and Dekeyser (1951), to allow placement of their newly described genus *Sicnatus*. The characters used by Stål (1865) and Villiers and Dekeyser (1951) are similar. The present key has been altered from theirs only to accommodate recently described genera. It is expected to be accurate only within the Ethiopian Region. Much information has been published in recent years on the detailed structure of the male and female genitalia, differences that are particularly useful in the determination of species, and which are quite diagnostic for some genera, for example, the crossed parameres of the genus *Cenaeus*. So far, however, less than half the species have been adequately studied and generic keys based on these characters should wait until knowledge is more complete.

1. Sixth visible abdominal segment in the female cleft longitudinally, entire in the male. Medium to large insects (10 - 16 mm). General color red and black (Family Largidae). **PHYSOPELTA**
- Sixth visible abdominal segment entire in both sexes (Family Pyrrhocoridae). **2**
2. Form exceedingly ant-like. Smaller insects (6 - 8 mm). General color black, or black and red. Mostly brachypterous, but macropterous individuals known. **MYRMOPLASTA**
- Form not exceedingly ant like, at least not in the adult. Most genera macropterous **3**
- 3 Head strongly bent down in front of the eyes. Medium sized insects (8 - 11 mm). Brightly colored. Brachypterous. **SIANGO**
- Head not strongly bent down in front of the eyes. Various sizes and colors. Usually not brachypterous. **4**
4. Head transversely narrowed and depressed behind the eyes. Larger insects (14 - 17 mm). General color red and black. **ANTILOCHUS**
- Head not as above, usually more or less horizontal. **5**
5. Apex of corium acute. Larger brighter colored insects, (12 - 20 mm). General color black and red or brown. The 'cotton stainers'. Venter usually with contrasting stripes. **DYSDERCUS**
- Apex of corium rounded. Other characters different. **6**
6. Apical borders of third and fourth visible sternites straight, not sinuate laterally. Rostrum very long. Large insects, (25 - 32 mm). General color reddish and black. **CALLIBAPHUS**
- Apical borders of third and fourth visible sternites sinuate laterally. Usually without a very long rostrum. **7**
7. Apex of corium much longer than the corial-claval suture. Large slender insects, (18 - 24 mm). General color red and black. **ROSCIUS**
- Apex of the corium subequal to the corial-claval suture. **8**
8. Anterior discal area of pronotum not limited laterally by a furrow. Medium to large sized insects, (10 - 23 mm). General color ochre to brownish. **ODONTOPUS**
- Anterior discal area of pronotum limited by a clear lateral furrow, sometimes punctate, at least towards the front. **9**

9. Anterior discal area of pronotum circumscribed by an impressed continuous furrow. Borders of pronotum convex and regularly curved at anterior and posterior angles. Body often hairy. Medium sized insects, (8 - 14 mm). General color red and black, or brownish.

**SERICOCORIS**

- Anterior and posterior discal areas of pronotum separated by a furrow, which may or may not be punctate. Borders of the pronotum more or less concave at the middle.

**10**

10. Anterior and posterior discal areas of pronotum separated by a furrow which is not punctate. Eyes sessile. Body never hairy. Insects of medium size, (7 - 14 mm). General color black, red and brownish.

**NEODINDYMUS**

- Pronotum not as above. Other characters different.

**11**

11. Anterior and posterior discs of pronotum of different textures and colors separated by a row of punctures. Eyes more or less prominent, not sessile. Smaller oval insects, (7 - 14 mm). General color ochre or brownish. Some species brachypterous.

**CENAEUS**

- Pronotum not as above. Eyes sessile.

**12**

12. Anterior discal area of pronotum clearly limited by a deeply punctate furrow. The first segment of the rostrum thick, not longer than the head. Larger insects, (15 mm). General color black and reddish or cream.

**GROMIERUS**

- First segment of rostrum not thick. Anterior discal area of pronotum not as above.

**13**

13. The first segment of rostrum equal to half the length of the head. Small species, (7 - 10 mm). General color black, with some red. Majority brachypterous.

**SCANTIUS**

- First segment of rostrum not as above, sometimes exceeding the length of the head.

**14**

14. First segment of rostrum reaching the apex of the prosternum. Antennae with many bristles. Front femora swollen and the front tibiae curved. Small insects, (6 - 8 mm). General color blackish. Mostly brachypterous.

**ADERRHIS**

- First segment of rostrum not as above. Antennae without many bristles.

**15**

15. Third segment of antennae thickened, much bulkier than the fourth. Small insects, (6 - 9 mm). General color dark brown or black. Brachypterous.

**DERMATINUS**

- Antennae not of this form.

**16**

16. Fourth segment of antennae strongly thickened in the middle. Small insects, (6 mm). General color black. Brachypterous.

**NEOINDRA**

- Antennae not of this form. Color not wholly black.

**17**

17. First segment of antennae longer than the second. Anterior disc of pronotum limited anteriorly and posteriorly by distinct punctures. Medium sized insects, (8 - 12 mm). General color black and orangish. Mostly brachypterous.

**SCHMITZIANA**

- First segment of antennae shorter than the second. Apex of first segment of rostrum does not reach prosternum. Smallish insects, (8 mm). General color black and reddish.

**SICNATUS**

## FAMILY LARGIDAE

The family Largidae was established by Amyot and Serville (1843), under the name Largides, which can be regarded as a valid group name based on the generic name *Largus* Hahn 1831 (China 1954). It is represented in Africa only by three species in the large genus *Physopelta* Amyot and Serville 1843. The last generic description was by Stål (1865) and was done before all the African species had been described. Some of the detailed characters given by Stål, therefore, do not fit the African species too well. For example the description of the antennae only holds good for *Physopelta festiva* (Fabricius 1803).

### **PHYSOPELTA** Amyot & Serville 1843

Type species: *Physopelta erythrocephala* Amyot & Serville 1843. (= *Physopelta albofasciata* (De Geer 1773) Designated by Distant (1903) and quoted as a logotype by (Hussey 1929)

Country of origin of type species: Java

Type depository: not known

Illustrations: see *Physopelta festiva*

|                                         |                                 |     |
|-----------------------------------------|---------------------------------|-----|
| <i>Physopelta</i> Amyot & Serville 1843 | Amyot and Serville 1843: 271    |     |
| <i>Physopelta</i> Am. & Serv.           | Stål 1861: 195                  |     |
| <i>Physopelta</i> A. & S.               | Stål 1863: 390                  |     |
| <i>Physopelta</i> A. & S.               | Stål 1866: 2                    |     |
| <i>Physopelta</i> A. & S.               | Stål 1870: 91 and 99            |     |
| <i>Physopelta</i> Serv.                 | Walker 1873: 17                 | key |
| <i>Physopelta</i> Amyot & Serville      | Lethierry and Severin 1894: 241 |     |
| <i>Physopelta</i> Am. & Serv.           | Bredden 1901: 175               |     |
| <i>Physopelta</i> Stål                  | Kirkaldy and Edwards 1902: 165  |     |
| <i>Physopelta</i> Amy. & Serv.          | Distant 1904: 97                |     |
| <i>Physopelta</i> Amyot & Serville      | Hussey 1929: 28                 |     |
| <i>Physopelta</i> Amyot & Serville      | Schmidt 1931: 45                |     |
| <i>Physopelta</i> Amyot & Serville 1843 | Leston 1969: 225                | key |

### KEY TO THE AFRICAN SPECIES MODIFIED FROM LESTON (1969)

1. Head plus body length more than 15 mm. Corium with a black band. Side of the abdomen red, with black lines of varying width anteriorly on each segment. Anal segment black.
 

*Physopelta festiva* (Fabricius 1803)
- Head plus body length less than 15 mm. 2
2. Corium with a black spot. Pronotum with the front half orange. Side of the abdomen reddish with the last two segments black. (12 - 13 mm).
 

*Physopelta analis* (Signoret 1858)
- Corium with a nearly complete black band. Pronotum with the frontal half pitchy-black. Side of the abdomen wholly black (10 - 12 mm).
 

*Physopelta melanoptera* Distant 1904

### *Physopelta analis* (Signoret 1858)

Type depository: Vienna: Naturhistorisches Museum

Country of origin of type: Nigeria (Old Calabar)

Distribution: Cameroon (Barombi); Gabon; Ghana (Addah); 'Guinea'; Ivory Coast; Nigeria (Old Calabar)

Measurements: length 12-13mm; width 4-5mm (1 male)

|                                        |                    |             |
|----------------------------------------|--------------------|-------------|
| <i>Physopelta analis</i> Signoret 1858 | Signoret 1858: 306 | description |
| <i>Odontopus analis</i> Stål 1858      | Stål 1858: 441     | description |

|                                          |                                 |                    |
|------------------------------------------|---------------------------------|--------------------|
| <i>Pyrrhocoris analis</i> Sign.          | Stål 1863: 391                  |                    |
| <i>Pyrrhocoris analis</i> Sign.          | Stål 1866: 2                    | <b>description</b> |
| <i>Physopelta analis</i> Sign.           | Stål 1870: 101                  |                    |
| <i>Physopelta analis</i> Sign.           | Walker 1873: 17                 |                    |
| <i>Physopelta analis</i> Sign.           | Reuter 1882: 28                 |                    |
| <i>Physopelta analis</i> Signoret        | Lethierry and Severin 1894: 241 |                    |
| <i>Physopelta analis</i> Sign.           | Haglund 1895: 464               |                    |
| <i>Physopelta analis</i> Sign.           | Kirkaldy and Edwards 1902: 172  |                    |
| <i>Physopelta analis</i> (Signoret)      | Hussey 1929: 29                 |                    |
| <i>Physopelta analis</i> Sign.           | Blöte 1931: 99                  |                    |
| <i>Physopelta analis</i> Signoret        | Schmidt 1931: 46                |                    |
| <i>Physopelta analis</i> (Signoret 1858) | Leston 1969: 225                |                    |
| <i>Physopelta analis</i> (Signoret)      | Linnavuori 1988: 13             |                    |

***Physopelta festiva* (Fabricius 1803)**

Type depository: Copenhagen: Zoologisch Museum

Country of origin of type: Guinea. Distribution: Cameroon; Central African Republic; Congo (Brazzaville); Ghana; ‘Guinea’; Ivory Coast; Nigeria (Old Calabar); Uganda

Measurements: average length, male 18.7 mm (7); female 19.3 mm (6)

|                                        |                                 |                                  |
|----------------------------------------|---------------------------------|----------------------------------|
| <i>Lygaeus festivus</i> Fabricius 1803 | Fabricius 1803: 220             | <b>description</b>               |
| <i>Pyrrhocoris festivus</i> Fabr.      | Burmeister 1835: 285            |                                  |
| <i>Physopelta festiva</i> Fabr.        | Stål 1868: 79                   | <b>description</b>               |
| <i>Physopelta festiva</i> Fabr.        | Stål 1870: 101.                 |                                  |
| <i>Physopelta festiva</i> Fabr.        | Walker 1873: 17                 | <b>description</b>               |
| <i>Physopelta festiva</i> Fabricius    | Lethierry and Severin 1894: 242 |                                  |
| <i>Physopelta festiva</i> Fabr.        | Haglund 1895: 463               |                                  |
| <i>Physopelta festiva</i> F.           | Aulmann 1912: 120               | <b>illustration, description</b> |
| <i>Physopelta festiva</i> (Fabricius)  | Hussey 1929: 30                 |                                  |
| <i>Physopelta festiva</i> F.           | Blöte 1931: 99                  |                                  |
| <i>Physopelta festiva</i> (Fabricius)  | Villiers 1967: 370              |                                  |
| <i>Physopelta festiva</i>              | Leston 1969: 225                |                                  |
| <i>Physopelta festiva</i> (Fabricius)  | Linnavuori 1988: 13             |                                  |

***Physopelta melanoptera* Distant 1904**

Type depository: London: Natural History Museum

Country of origin of type: Cameroon. Distribution - Benin (Dahomey); Cameroon; Central African Republic; Congo (Brazzaville); Ghana; Ivory Coast; Tanzania; Togo; Uganda

Measurements: average length, male 10.6 mm (47); female 11.5 mm (43)

|                                            |                     |                    |
|--------------------------------------------|---------------------|--------------------|
| <i>Physopelta melanoptera</i> Distant 1904 | Distant 1904: 61    | <b>description</b> |
| <i>Physopelta melanoptera</i> Dist.        | Distant 1909: 78    |                    |
| <i>Physopelta melanoptera</i> Dist.        | Bergroth 1913a: 167 |                    |
| <i>Physopelta melanoptera</i> Distant      | Hussey 1929: 32     |                    |
| <i>Physopelta melanoptera</i> Distant      | Villiers 1967: 370  |                    |
| <i>Physopelta melanoptera</i>              | Leston 1969: 225    |                    |
| <i>Physopelta melanoptera</i> Distant      | Linnavuori 1988: 13 |                    |

Collected in Tanzania October-May. In West Africa associated with *Mallotus oppositifolius* (Euphorbiaceae) (Leston, 1969; Duviard, 1974).



## FAMILY PYRRHOCORIDAE

### *ANTILOCHUS* Stål 1863

This is a large genus, mainly found in the Oriental and Australasian Regions. Three species are recorded from the Ethiopian region by Hussey (1929) but on examination of material in the National Museum of Kenya it was found that the third species, *Antilochus violaceus* Carlini 1892, is not a member of this genus at all, but definitely belongs to the genus *Odontopus* Laporte. An unnamed specimen of *Odontopus* in the NMK collection, from Somalia, matches Carlini's description very closely. Consequently, only two species of the Genus *Antilochus* are present in the Ethiopian Region, one is West African, the other is confined to Eastern and Southern Africa.

Type species: *Antilochus coqueberti* (Fabricius 1803) quoted as type species by Distant (1904) and as a logotype by Hussey (1929)

Country of origin of type species: India

Type depository: not known

Synonyms: *Neaeretus* Reuter 1887

Illustrations: see *Antilochus boerhaviae*

|                              |                                 |                      |
|------------------------------|---------------------------------|----------------------|
| <i>Antilochus</i> Stål 1863  | Stål 1863: 393                  |                      |
| <i>Antilochus</i> Stål       | Stål 1866: 3 and 4              |                      |
| <i>Antilochus</i> Stål       | Stål 1870: 101 and 103          |                      |
| <i>Odontopus</i> De Lap.     | Walker 1872: 174                |                      |
| <i>Neaeretus</i> Reuter 1887 | Reuter 1887: 92                 | (syn. Bergroth 1894) |
| <i>Antilochus</i> Stål       | Lethierry and Severin 1894: 243 |                      |
| <i>Antilochus</i> Stål       | Bergroth 1894a: 358             |                      |
| <i>Antilochus</i> Stål       | Bredden 1901: 175               |                      |
| <i>Antilochus</i> Stål       | Kirkaldy and Edwards 1902: 166  |                      |
| <i>Antilochus</i> Stål       | Distant 1904: 100               |                      |
| <i>Antilochus</i> Stål       | Hussey 1929: 36                 |                      |
| <i>Antilochus</i> Stål       | Schmidt 1932: 236               |                      |

The two species of *Antilochus* can easily be separated by the very different appearance of the pronotum and elytra:

1. Pronotum black, surrounded by a continuous narrow yellow band. Elytra black with irregular narrow yellowish bands that appear to enclose a large irregular black spot. Sides of the thorax predominantly black. Sides of the abdomen red, with narrow whitish lines anteriorly on each segment. The whitish lines vary in thickness and there may be some black coloration towards the rear of the abdomen. Anal segment, red.

*Antilochus boerhaviae* (Fabricius 1794)

2. Pronotum black, the borders reddish-orange with the red color being wider at the posterior corners. The elytra black with reddish patches separated to leave a central area in the form of a black cross. The pattern is rather variable, but distinctly different from *Antilochus boerhaviae*. Sides of the thorax reddish, sometimes darker. Sides of the abdomen red with whitish lines on the anterior of each segment, which vary somewhat in thickness. No black coloring is present. Anal segment, red.

*Antilochus nigrocruciatatus* Stål 1855

### *Antilochus boerhaviae* (Fabricius 1794)

Type depository: not known

Country of origin of type: 'Guinea'

Distribution: British East Africa; Cameroon; Congo (Brazzaville); Democratic Republic of Congo; Gabon; 'Guinea'; Nigeria; Senegal; Sudan

Synonyms: *Antilochus submaculatus* Kirkby 1896

Measurements: length, male 15.5 mm (1); female 18.2 mm (1)

*Lygaeus boerhaviae* Fabricius 1794                      Fabricius 1794: 152

*Lygaeus boerhaviae* Fabricius                      Fabricius 1803: 220

*Antilochus boerhaviae* Fabr.                      Stål 1866: 4

|                                           |                                 |                     |
|-------------------------------------------|---------------------------------|---------------------|
| <i>Antilochus boerhaviae</i> Fabr.        | Stål 1868: 81                   |                     |
| <i>Antilochus boerhaviae</i> Fabr.        | Stål 1870: 104                  |                     |
| <i>Odontopus boerhaviae</i> Fabr.         | Walker 1872: 176                |                     |
| <i>Antilochus boerhaviae</i> Fabricius    | Lethierry and Severin 1894: 343 |                     |
| <i>Antilochus boerhaviae</i> (F.)         | Karsch 1894: 106                |                     |
| <i>Antilochus submaculatus</i> Kirby 1896 | Kirby 1896: 268                 | (syn. Distant 1902) |
| <i>Antilochus boerhaviae</i> Fabr.        | Distant 1902b: 36               |                     |
| <i>Antilochus boerhaviae</i> Fabr.        | Distant 1902b: 36               |                     |
| <i>Antilochus boerhaviae</i> (Fabr.)      | Kirkaldy and Edwards 1902: 172  |                     |
| <i>Antilochus boerhaviae</i> Fabricius    | Courteaux 1922: 285             |                     |
| <i>Antilochus boerhaviae</i> (Fabricius)  | Hussey 1929: 37                 |                     |
| <i>Antilochus boerhaviae</i> F.           | Blöte 1931: 102                 |                     |
| <i>Antilochus boerhaviae</i> Fabricius    | Schmidt 1932: 240               |                     |
| <i>Antilochus boerhaviae</i> Fabricius    | Villiers 1953: 298              |                     |
| <i>Antilochus boerhaviae</i> Fabricius    | Linnavuori 1978: 7              |                     |
| <i>Antilochus boerhaviae</i> (Fabricius)  | Linnavuori 1988: 13             |                     |

The illustration given by Kirby (1896) of the specimen he described as *Antilochus submaculatus* is not the same as a typical specimen of *A. boerhaviae*, with which it was synonymised by Distant (1902), but may be an extreme form.

#### ***Antilochus nigrocruciatus* (Stål 1855)**

Type depository: not known

Country of origin of type: South Africa (Natal, Caffraria)

Distribution: Kenya; South Africa (Natal, Caffraria)

Measurements: average length, male 14.5 mm (21); female 16.6 mm (23)

|                                           |                                 |
|-------------------------------------------|---------------------------------|
| <i>Odontopus nigrocruciatus</i> Stål 1855 | Stål 1855a: 35                  |
| <i>Antilochus nigro-cruciatus</i> Stål    | Stål 1863: 395                  |
| <i>Antilochus nigrocruciatus</i> Stål     | Stål 1866: 5                    |
| <i>Antilochus nigrocruciatus</i> Stål     | Stål 1870: 104                  |
| <i>Antilochus nigrocruciatus</i> (Fabr.)  | Walker 1872: 176                |
| <i>Antilochus nigrocruciatus</i> Stål     | Lethierry and Severin 1894: 243 |
| <i>Antilochus nigrocruciatus</i> Stål     | Bergroth 1920: 17               |
| <i>Antilochus nigrocruciatus</i> Stål     | Hussey 1929: 40                 |
| <i>Antilochus nigrocruciatus</i> Stål     | Blöte 1931: 104                 |
| <i>Antilochus nigrocruciatus</i> Stål     | Schmidt 1932: 240               |
| <i>Antilochus nigrocruciatus</i> St.      | Mancini 1961: 31                |

#### **CALLIBAPHUS Stål 1868**

The genus *Callibaphus* (Stål 1868) is confined to the Ethiopian Region and only three species have been described. These insects are very large and are rare in collections. Distribution is very much West African in published papers, reaching as far east as Uganda. Bergroth (1906) described a third species *Callibaphus gigas* from the Comoro Islands which are outside the Ethiopian Region, but it is included because Bergroth himself indicated that he thought his specimen to be conspecific with *Callibaphus longirostris* (Drury 1782). *C. gigas* has never formally been synonymised, probably because of the great gap between its location and those of all the other published records. The type would have to be examined before a decision could be reached.

Type species: *Callibaphus longirostris* (Drury 1782). Quoted as a monotype by Hussey 1929

Country of origin of type species: Sierra Leone

Type depository: London: Natural History Museum

Illustrations: see *Callibaphus longirostris*

|                                                 |                |                    |
|-------------------------------------------------|----------------|--------------------|
| <i>Roscius</i> ( <i>Callibaphus</i> ) Stål 1868 | Stål 1868: 82  | <b>description</b> |
| <i>Callibaphus</i> Stål                         | Stål 1870: 108 |                    |



|                         |                                 |
|-------------------------|---------------------------------|
| <i>Callibaphus</i> Stål | Lethierry and Severin 1894: 245 |
| <i>Callibaphus</i> Stål | Hussey 1929: 50                 |
| <i>Callibaphus</i> Stål | Schmidt 1932: 246               |

The two African species may be separated quite easily, although the black markings both species bear on the pronotum and elytra are quite similar and are not useful as characters for separating the species:

1. Head dark red with a longitudinal black mark between and behind the eyes. Color above dark red, dull, with little variation among the available specimens. Membrane translucent. Sides of the thorax black, with dark red stripes at the rear of each segment. Sides of the abdomen dark red with black bands of varying width at the anterior of each segment, the black becoming dominant on the last two segments. Color changes diffuse. Anal segment dark red.

*Callibaphus albipennis* Distant 1914

2. Head orange to red without any black markings. Color above bright orange to red. Membrane black. Sides of thorax and abdomen black, with yellow lines of varying width at the rear of each segment. Color changes sharply defined. Anal segment orange to red.

*Callibaphus longirostris* (Drury 1782)

*Callibaphus albipennis* Distant 1914

Type depository: London: Natural History Museum

Country of origin of type: Uganda

Distribution: Kenya; Uganda

Measurements: length, male 26.9 mm(1); female 31.7 mm (1)

*Callibaphus albipennis* Distant 1914

Distant 1914: 180

**description**

*Callibaphus albipennis* Distant

Hussey 1929: 51

*Callibaphus longirostris* (Drury 1782)

Type depository London: Natural History Museum.

Country of origin of type: Sierra Leone.

Distribution: Cameroon; Congo (Brazzaville); (probably) Comoro Islands; Guinea; Nigeria; Sierra Leone; Tanzania; Togo.

Synonyms: *Roscus fasciatus* Walker 1872; *Callibaphus gigas* Bergroth 1906 (probably)

Measurements: length, male 30.1 mm (1)

*Cimex longirostris* Drury 1782

Drury 1782: 60

**description, illustration**

*Lygaeus guineensis* Fabricius 1803

Fabricius 1803: 216

**description (syn. Stål 1868)**

*Roscus (Callabaphis) longirostris* Drury

Stål 1868: 83

**description**

*Cimex longirostris* Drury

Stål 1870: 108

**description**

*Roscus longirostris* Drury

Walker 1872: 173

(syn. Leth. & Serv. 1894)

*Roscus fasciatus* Walker 1872

Walker 1872: 174

*Callibaphus longirostris* Drury

Lethierry and Severin 1894: 245

*Callibaphus longirostris* Dru.

Distant 1902b: 37

*Callibaphus longirostris* (Drury)

Kirkaldy and Edwards 1902: 172

*Callibaphus gigas* Bergroth 1906

Bergroth 1906: 199

**description**

*Callibaphus gigas* Bergr.

Bergroth 1913a: 169

*Callibaphus gigas* Bergroth

Hussey 1929: 51

*Callibaphus longirostris* (Drury)

Hussey 1929: 51

*Callibaphus longirostris* Drury

Blöte 1931: 108

*Callibaphus longirostris* Drury

Schmidt 1932: 246

*Callibaphus longirostris* Drury

Villiers 1953: 298

*Callibaphus longirostris* (Drury)

Villiers 1967: 371

*Callibaphus longirostris* (Drury)

Linnavuori 1988: 13

Earlier data indicate that this species is confined to West Africa, Cameroon and Congo (Brazzaville). Bergroth (1906) described *C. gigas*

from the Comoro Islands and indicated that it seemed very likely to be a variety of *C. longirostris*. A record from Tanzania in the National Museum of Kenya provides a possible link between the very widely separated populations in West Africa and the Comoro Islands.

## **ROSCIUS** Stål 1866

The genus *Roscius* is confined to the Ethiopian region and five species have been described. The genus is characterized by the fact that the apical border of the corium is much longer than the commisure of the corium-clavus. This character reflects the slender elongate shape of all the species in the genus.

Type species: *Roscius elongatus* (Schaum 1853)

Country of origin of type species: Mozambique

Type depository: not known

Illustrations: see *Roscius circumdatus* and *Roscius illustris*

*Roscius* Stål 1866

Stål 1866: 8

*Roscius* Stål

Stål 1870: 102

*Roscius* Stål

Walker 1872: 173

*Roscius* Stål

Lethierry and Severin 1894: 245

*Roscius* Stål

Hussey 1929: 51

*Roscius* Stål

Schmidt 1932: 246

Five species are described in the published literature, although the status of *Roscius elongatus* and *Roscius quadriplagiatus*, both originally described by Schaum in 1853, is doubtful. As no authentic specimen of *Roscius elongatus* (Schaum 1853) is available it has been left out of the key below.

1. Head red without any black markings. Front half of the pronotum raised, black, separated from the rear half by a marked impressed furrow which curves backwards to the sides. The front half of the pronotum having no yellow, or having only a very narrow line of yellow on the anterior edge, which may be reduced to two yellow lateral anterior spots. The elytra with the anterior yellow marking sub-triangular, not an irregular shape. Sides of the abdomen with the first two visible segments markedly yellow or pale, the next two almost wholly black. Anal segment red.

***Roscius illustris*** Gerstäcker 1873

- Head red, but having at least some black markings between and behind the eyes

**2**

2. Pronotum wholly surrounded by a narrow yellow border. The elytra with narrow elongate yellowish markings, the rear pair forming a border between the corium and the membrane.

***Roscius circumdatus*** Distant 1881

- Pronotum not as above. Markings on the elytra and the sides of the abdomen different.

**3**

3. Pronotum flattened, with a marked wide orange anterior border and wide lateral orange borders. At most a very narrow band of orange posteriorly. The elytra with the anterior orange spots not triangular, but elongate and irregular, reaching to the shoulder. Sides of the abdomen much like *Roscius illustris*, but the first two visible segments red, with black coloration towards the connexivium, the next two segments almost wholly black. Anal segment red.

***Roscius guilielmi*** Bergroth 1926

- Pronotum raised and divided by a curved furrow, but the yellow markings usually form a border on all four sides, narrowest and sometimes missing on the anterior half, laterally. Always with a yellow anterior border. The yellow markings being broadest at the posterior lateral corners. The elytra with the anterior yellow markings not triangular, irregular and extending forwards to the shoulder. Sides of the abdomen red, with black lines anteriorly on each segment. The width of the black varies, but the stripes are widest on the third and fourth visible abdominal segments. Anal segment red.

***Roscius quadriplagiatus*** (Schaum 1853)

***Roscius elongatus* (Schaum 1853)**

Type depository: not known

Country of origin of type: Mozambique

Distribution: Angola; Congo (Brazzaville); Gabon; Mozambique; Tanzania; Zanzibar

Measurements: length 24 mm, width 8 mm (ex. Lit.)

|                                          |                                 |                    |
|------------------------------------------|---------------------------------|--------------------|
| <i>Pyrrhocoris elongatus</i> Schaum 1853 | Schaum 1853: 358                | <b>description</b> |
| <i>Pyrrhocoris elongatus</i> Schaum      | Schaum 1862: 46                 | <b>description</b> |
| <i>Roscius elongatus</i> Schaum          | Stål 1866: 8                    | <b>description</b> |
| <i>Roscius elongatus</i> Schaum          | Stål 1870: 109                  |                    |
| <i>Roscius elongatus</i> Schaum          | Walker 1872: 173                |                    |
| <i>Roscius elongatus</i> Schaum          | Gerstäcker 1892: 50             |                    |
| <i>Roscius elongatus</i> Schaum          | Bergroth 1893: 126              |                    |
| <i>Roscius elongatus</i> Schaum          | Lethierry and Severin 1894: 245 |                    |
| <i>Roscius elongatus</i> Schaum          | Montandon 1899                  |                    |
| <i>Roscius elongatus</i> (Schaum)        | Hussey 1929: 51                 |                    |
| <i>Roscius elongatus</i> Schaum          | Blöte 1931: 108                 |                    |
| <i>Roscius elongatus</i> Schaum          | Schmidt 1932: 247               |                    |
| <i>Roscius elongatus</i> Schaum          | Villiers 1967: 372              |                    |

This species is widely distributed in southern and eastern Africa. It seems to be very closely related to *Roscius quadriplagiatus* (Schaum 1853) according to the written descriptions (Schaum 1853, repeated in 1862): *Pyrrhocoris quadriplagiatus* Schaum; Supra niger, capite thoracisque marginibus rufus, elytrorum maculis duabus flavis, subtus rufus, pectoris lateribus antennis pedibusque nigris. Long 8 lin (= 16.8 mm). *Pyrrhocoris elongatus* Schaum; Supra niger, epistomate, thoracis margine antico et postico, elytrorum maculis duabus rufis, anteriori sublunata, subtus rufus, pectoris lateribus pedibusque nigris. Long 10 lin (= 21.0 mm).

***Roscius guilielmi* Bergroth 1926**

Type depository: not known

Country of origin of type: Democratic Republic of Congo

Distribution: Congo (Brazzaville); Democratic Republic of Congo; Guinea; Uganda

Measurements: length, male 17.0 mm (1); female 20.0 mm (1)

|                                        |                    |                    |
|----------------------------------------|--------------------|--------------------|
| <i>Roscius guilielmi</i> Bergroth 1926 | Bergroth 1926: 11  | <b>description</b> |
| <i>Roscius guilielmi</i> Bergroth      | Hussey 1929: 52    |                    |
| <i>Roscius guilielmi</i> Bergroth      | Villiers 1953: 298 |                    |
| <i>Roscius guilielmi</i> Bergroth      | Villiers 1967: 372 |                    |

This species has a West African distribution, and specimens in the NMK collection from western Uganda probably reflect the eastern limit of its range.

***Roscius illustris* Gerstäcker 1873**

Type depository: Berlin Museum

Country of origin of type: Kenya

Distribution: Kenya; Mozambique; Tanzania; Zanzibar

Measurements: average length, male 14.4 mm (6), female 18.3 mm (7)

|                                          |                                 |                                  |
|------------------------------------------|---------------------------------|----------------------------------|
| <i>Roscius illustris</i> Gerstäcker 1873 | Gerstäcker 1873: 414            | <b>description, illustration</b> |
| <i>Roscius illustris</i> Gerst.          | Gerstäcker 1892: 50             |                                  |
| <i>Roscius illustris</i> Gerstaecker     | Lethierry and Severin 1894: 245 |                                  |
| <i>Roscius illustris</i> Gerstäcker      | Hussey 1929: 52                 |                                  |
| <i>Roscius illustris</i> Gerst.          | Blöte 1931: 108                 |                                  |
| <i>Roscius illustris</i> Gerstäcker      | Schmidt 1932: 247               |                                  |

***Roscius quadriplagiatus* (Schaum 1853)**

Type depository: Berlin Museum  
 Country of origin of type: Mozambique  
 Distribution: Gabon; Kenya; Mozambique; Tanzania  
 Measurements: average length, male 16.6 mm (8), female 21.8 mm (5)

|                                                |                                 |                    |
|------------------------------------------------|---------------------------------|--------------------|
| <i>Pyrrhocoris quadriplagiatus</i> Schaum 1853 | Schaum 1853: 358                | <b>description</b> |
| <i>Pyrrhocoris quadriplagiatus</i> Schaum      | Schaum 1862: 45                 | <b>description</b> |
| <i>Roscius quadriplagiatus</i> Schaum          | Stål 1870: 108                  |                    |
| <i>Roscius quadriplagiatus</i> Schaum          | Walker 1872: 173                |                    |
| <i>Roscius quadriplagiatus</i> Schaum          | Lethierry and Severin 1894: 245 |                    |
| <i>Roscius quadriplagiatus</i> Schaum          | Hussey 1929: 52                 |                    |
| <i>Roscius quadriplagiatus</i> Schaum          | Blöte 1931: 108                 |                    |
| <i>Roscius quadriplagiatus</i> Schaum          | Schmidt 1932: 247               |                    |

In the published literature this species is recorded from Mozambique and Gabon, but specimens in the NMK collection extend the range. The written descriptions of *Roscius elongatus* (Schaum 1853) and *Roscius quadriplagiatus* (Schaum 1853), as given above, make it doubtful if this species is different from *Roscius elongatus* (Schaum 1853)

***Roscius circumdatus* Distant 1881**

Type depository: London, Natural History Museum  
 Country of origin of type: Nigeria (Calabar)  
 Distribution: Nigeria (Calabar); Cameroon; Ivory Coast; Democratic Republic of Congo  
 Synonyms: *Antilochus arcifer* Bergroth 1920  
 Measurements: length 19 mm (ex. Lit.).

|                                         |                     |                                  |
|-----------------------------------------|---------------------|----------------------------------|
| <i>Roscius quadriplagiatus</i> Schaum   | Walker 1872: 173    | <b>description</b>               |
| <i>Roscius circumdatus</i> Distant 1881 | Distant 1881: 275   | <b>description, illustration</b> |
| <i>Roscius circumdatus</i> Distant      | Haglund 1895: 465   |                                  |
| <i>Roscius circumdatus</i> Dist.        | Bergroth 1920: 3    | <b>description</b>               |
| <i>Antilochus arcifer</i> Bergroth 1920 | Bergroth 1920: 3    | (syn. Schmidt 1932)              |
| <i>Antilochus arcifer</i> Bergroth      | Hussey 1929: 36     |                                  |
| <i>Roscius circumdatus</i> Distant      | Schmidt 1932: 247   | <b>description</b>               |
| <i>Roscius circumdatus</i> Distant      | Linnavuori 1988: 16 |                                  |

***ODONTOPUS* Laporte 1832**

Hussey (1929) listed fifteen species in this genus, of which only six occurred in the Ethiopian Region. Since Hussey's catalogue was published two more species and one new variety have been described from the Ethiopian Region. All the members of the genus have a very similar appearance and all seem to be associated with the plant families Sterculiaceae and Malvaceae.

In 1904 Kirkaldy proposed the name *Probergrothius* for this genus as a replacement for *Odontopus* Laporte 1832, on the grounds that the name was preoccupied by a genus of Coleoptera, described by Siebermann. The details of priority had already been established by Alluaud (1889) fifteen years before Kirkaldy made his proposal. Kirkaldy himself realised that the name *Odontopus* was not validly preoccupied (Kirkaldy 1905), and this view was supported by Distant (1919). Only Hesse (1925) accepted the new name. However, Stehlik (1966) renewed the claim that *Odontopus* Laporte 1832 is preoccupied by a genus of Coleoptera described under the name *Odontopus* by Say (1831). Stehlik therefore proposes that the name *Probergrothius* Kirkaldy 1904 be reinstated for the Ethiopian and Oriental species in the genus (the Madagascar species having been transferred to a new genus). In this work, the name *Odontopus* is retained in the hope that the renaming of this large genus will be referred to the International Commission on Zoological Nomenclature for their consideration.

Type species: *Odontopus sexpunctatus* Laporte 1832. Quoted as a monotype by Hussey 1929  
 Country of origin of type species: Senegal  
 Type depository: not known.

Synonyms: *Probergrothius* Kirkaldy 1904

Illustrations: see *Odontopus notabilis* Distant 1902, *Odontopus sexpunctatus* Laporte 1832

|                                     |                                 |                    |
|-------------------------------------|---------------------------------|--------------------|
| <i>Odontopus</i> Laporte 1832       | Laporte 1832: 37                | <b>description</b> |
| <i>Odontopus</i> Lap.               | Amyot and Serville 1843: 270    | <b>description</b> |
| <i>Odontopus</i>                    | Herrich-Schaffer 1853: 174      | <b>description</b> |
| <i>Odontopus</i> Lap.               | Stål 1861: 196                  |                    |
| <i>Odontopus</i> Lap.               | Stål 1866: 3                    | <b>description</b> |
| <i>Odontopus</i> Lap.               | Stål 1870: 102                  | <b>description</b> |
| <i>Odontopus</i> Laporte            | Alluaud 1889: LXV               |                    |
| <i>Odontopus</i> de Castelnau       | Lethierry and Severin 1894: 246 |                    |
| <i>Odontopus</i> Laporte            | Distant 1903: 108               | <b>description</b> |
| <i>Probergrothius</i> Kirkaldy 1904 | Kirkaldy 1904: 280              | (syn Distant 1919) |
| <i>Odontopus</i>                    | Kirkaldy 1905: 79               |                    |
| <i>Odontopus</i> Laporte            | Distant 1919: 2                 |                    |

## KEY TO THE AFRICAN SPECIES

*Odontopus angolensis* Distant 1902 and *Odontopus obscurellus* Blöte 1933, which is only known from Zimbabwe, are not included because I have not seen specimens.

1. Larger species (16 - 23 mm) with one pair of large black rounded spots posteriorly on the elytra. (A variety, *O. notabilis* var. *kambovensis* lacks the black spots). Body mainly unicolorous, ochraceous. Antennae with the first segment red and the other three segments dark. Pronotum with the frontal part limited by two fairly deeply impressed black lines. Scutellum black. Thorax with the sterna black. Abdomen with the incisures marked with narrow blackish lines.  
*Odontopus notabilis* Distant 1902
- Elytra not showing this pattern. Pronotum and other body parts different. 2
2. Large species (16.0 mm) with the elytra having one pair of round black spots posteriorly and a pair of black bands anteriorly. Head whitish. Pronotum with the frontal area whitish. Scutellum the same color as the elytra. Membrane milky. Thorax with the sterna whitish. Sides of the abdomen whitish ventrally, but darkening in the dorsal half.  
*Antilochus violaceus* (Carlini 1892)  
(See discussion of *Antilochus*)
- Elytra not having this pattern. Body colors different. 3
3. Species with not more than two pairs of small spots on the elytra. Sometimes the anterior pair are very small or missing. 4
- Species with three pairs of spots on the elytra, sometimes the two anterior pairs are partially joined. 6
4. Species (14 - 20 mm) markedly unicolorous, ochraceous, without red legs. At most narrow reddish stripes marking the abdominal incisures. Head quite pale, ochraceous. Frontal area of the pronotum limited by two dark lines. Last two segments of the antennae dark.  
*Odontopus modestus* Distant 1902
- Species with red legs and generally much brighter coloring than the above. 5
5. Species ( 16 mm) with the central lobe of the head having a longitudinal black stripe running the whole length of the head. Head, other than the central black longitudinal stripe, orange. Pronotum with a pale anterior collar, the frontal area orange, limited by two distinct black lines. Scutellum orange. Membrane darker than the elytra. Antennae dark red, getting darker towards the tip. Legs red. Thorax with the sterna reddish with dark borders, sometimes all darker. Sides of the abdomen reddish, with wide blackish bands of variable width at the anterior of each segment.  
*Odontopus exsanguis* (Gerstäcker 1892)



- Species (14 - 17 mm) with the central lobe of the head with a red longitudinal stripe running the whole length of the head. Head, other than the central red longitudinal stripe, ochraceous. Pronotum with a pale anterior collar and the frontal area ochraceous, sometimes darker shaded, bounded by two marked black lines. Antennae red, third and fourth segments darker. Legs reddish. Thorax with the sterna dark reddish. Membrane much the same color as the elytra. Sides of the abdomen yellowish, with broad but regular black stripes anteriorly on each segment.

*Odontopus confusus* Distant 1902

6. Species (14 - 21 mm) occurring in two color forms, red and black, but in both cases the elytra with two pairs of smallish spots anteriorly (rather larger and partially joined together in the black form) and a single pair of larger spots posteriorly. Details of the black color form. Body color ochraceous. Head with a central black area at the rear, tylus red. Pronotum with the frontal area black. Scutellum black. Elytra with the black spots arranged as in the illustration. Thorax with the sterna black. Abdomen with the sides reddish-yellow, and with black stripes anteriorly on each segment. Details of the red color form. Body ochraceous with a reddish tinge. Head with the rear central area and the tylus red. Pronotum with the frontal area red, but limited by black lines. Scutellum red or blackish red. Elytra with the black spots arranged as in the illustration. Thorax with the sterna black. Abdomen with the sides reddish-yellow, more strongly diffused with red ventrally, and black stripes anteriorly on every segment.

*Odontopus sexpunctatus* Laporte 1832

- Species (15 - 18 mm) with two pairs of small separate black spots anteriorly on the elytra. A single pair of small black spots posteriorly.

*Odontopus somaliensis* Goursat 1931

### *Odontopus angolensis* Distant 1902

Type depository: London, Natural History Museum

Country of origin of type: Angola

Distribution: Angola; Cameroon; Democratic Republic of Congo; Namibia; Zambia

Measurements: length 18 - 21 mm (ex. Lit.)

|                                          |                     |                    |
|------------------------------------------|---------------------|--------------------|
| <i>Odontopus angolensis</i> Distant 1902 | Distant 1902b: 38   | <b>description</b> |
| <i>Odontopus angolensis</i> Dist.        | Bergroth 1913a: 169 |                    |
| <i>Odontopus angolensis</i> Distant      | Hussey 1929: 52     |                    |
| <i>Odontopus angolensis</i> Dist.        | Blöte 1931: 108     |                    |
| <i>Odontopus angolensis</i> Distant      | Schmidt 1932: 249   |                    |

### *Odontopus confusus* Distant 1902

Type depository: London, Natural History Museum

Country of origin of type: Tanzania

Distribution: Eritrea; Tanzania; Zanzibar

Measurements: average length, male 14.5 mm (17), female 17.6 mm (19)

|                                        |                     |                    |
|----------------------------------------|---------------------|--------------------|
| <i>Odontopus confusus</i> Distant 1902 | Distant 1902b: 39   | <b>description</b> |
| <i>Odontopus confusus</i> Dist.        | Bergroth 1913a: 169 |                    |
| <i>Odontopus confusus</i> Distant      | Hussey 1929: 52     |                    |
| <i>Odontopus confusus</i> Dist.        | Blöte 1931: 108     |                    |
| <i>Odontopus confusus</i> Distant      | Schmidt 1932: 249   |                    |

Breeding on or in association with *Sterculia appendiculata*, *Sterculia quinqueloba*, *Sterculia africana*, *Adansonia digitata* (Baobab) and *Ceiba pentandra* (Kapok). Also a few in association with cotton, dolichos, castor, cassava, pigeonpea, *Sida* sp. and *Calotropis procera*, although none of these need be considered as important hosts. At Ukiriguru (Tanzania) batches of eggs were laid by caged pairs and averaged 28 eggs (24-36) per batch.



***Odontopus exsanguis* (Gerstäcker 1892)**

Type depository: not known

Country of origin of type: Zanzibar

Distribution: Tanzania; Zanzibar.Synonyms: *Odontopus schoutedeni* Bergroth 1903

Measurements: average length, male 13.8 mm (15), female 15.8 mm (16)

|                                            |                     |                                        |
|--------------------------------------------|---------------------|----------------------------------------|
| <i>Cenaeus exsanguis</i> Gerstäcker 1892   | Gerstäcker 1892:50  | <b>description</b>                     |
| <i>Odontopus schoutedeni</i> Bergroth 1903 | Bergroth 1903: 290  | <b>description</b> (syn. Distant 1919) |
| <i>Odontopus schoutedeni</i> Berg.         | Bergroth 1906: 371  |                                        |
| <i>Cenaeus exsanguis</i> Gerst.            | Bergroth 1913a: 169 |                                        |
| <i>Odontopus confusus</i> Distant          | Distant 1919: 219   |                                        |
| <i>Odontopus exsanguis</i> (Gerstäcker)    | Hussey 1929: 53     |                                        |
| <i>Odontopus exsanguis</i> Gerstäcker      | Schmidt 1932: 249   |                                        |

Most specimens are recorded as having been collected on *Sterculia* sp.

***Odontopus modestus* Distant 1902**

Type depository: London, Natural History Museum

Country of origin of type: Kenya

Distribution: Ethiopia; Kenya; Somalia

Measurements: average length, male 15.7 mm (14), female 19.0 mm (20)

|                                               |                      |                    |
|-----------------------------------------------|----------------------|--------------------|
| <i>Odontopus modestus</i> Distant 1902        | Distant 1902b: 38    | <b>description</b> |
| <i>Odontopus modestus</i> Dist.               | Bergroth 1903: 291   |                    |
| <i>Odontopus modestus</i> Dist.               | Schouteden 1905: 1   |                    |
| <i>Odontopus modestus</i> Dist.               | Bergroth 1913a: 170  |                    |
| <i>Odontopus modestus</i> Distant             | Hussey 1929: 53      |                    |
| <i>Probergrothius modestus</i> (Distant 1902) | Linnavuori 1986: 109 |                    |

***Odontopus notabilis* Distant 1902**

Type depository: London, Natural History Museum

Country of origin of type: Uganda

Distribution: Angola; Burundi; Democratic Republic of Congo; Uganda; Tanzania

Synonyms: *Odontopus aulmanni* Aulmann 1912

Measurements: average length, male 16.2 mm (6), female 19.1 mm (6)

|                                         |                      |                                                         |
|-----------------------------------------|----------------------|---------------------------------------------------------|
| <i>Odontopus notabilis</i> Distant 1902 | Distant 1902a: 42    | <b>description, illustration</b>                        |
| <i>Odontopus notabilis</i> Distant      | Bergroth 1903: 291   | <b>description</b>                                      |
| <i>Odontopus aulmanni</i> Schumacher    | Schumacher 1912: 121 | <b>description, illustration</b> , (syn. Bergroth 1913) |
| <i>Odontopus notabilis</i> Dist.        | Bergroth 1913a: 170  |                                                         |
| <i>Odontopus notabilis</i> Distant      | Hussey 1929: 54      |                                                         |
| <i>Odontopus notabilis</i> Dist.        | Blöte 1931: 108      |                                                         |
| <i>Odontopus notabilis</i> Distant      | Goursat 1931b: 266   | <b>description, illustration</b>                        |
| <i>Odontopus notabilis</i> Distant      | Schmidt 1932: 249    |                                                         |

***Odontopus notabilis* Distant 1902 var. *kambovensis* Goursat 1931**

This variety of *O. notabilis* was described by Goursat 1931 from a specimen originating in Kambove (Democratic Republic of Congo, Shaba). The main difference between it and the nominate form is that it lacks the distinct rounded black spot at the apex of the corium.

This variety is well represented in the National Museums of Kenya collection and the specimens come from two of the same localities in

western Tanzania as did the nominate species, obviously part of the same collections.  
Measurements: average length, male 16.7 mm (8), female 21.0 mm (5)

***Odontopus obscurellus* Blöte 1933**

Type depository: London, Natural History Museum  
Country of origin of type: Zimbabwe  
Distribution: Zimbabwe  
Measurements : length of male 10.5 mm (ex. Lit.)

*Odontopus obscurellus* Blöte 1933      Blöte 1933b: 592.      **description**

***Odontopus sexpunctatus* Laporte 1832**

Type depository: not known  
Country of origin of type: Senegal  
Distribution: Angola; Burkino Fassa; Chad; Congo (Brazzaville); Democratic Republic of Congo; Eritrea; Ethiopia; Gabon; Gambia; Ghana; Guinea; Mozambique; Namibia; Nigeria; Rwanda; Senegal; Sierra Leone; South Africa; Sudan; Tanzania  
Measurements: Red form, average length, male 15.1 mm (5), female 18.7 mm (6). Black form, average length, male 17.3 mm (2), female 16.9 mm (5)

|                                                           |                                 |                                  |
|-----------------------------------------------------------|---------------------------------|----------------------------------|
| <i>Odontopus sexpunctatus</i> Laporte 1832                | Laporte 1832: 37                | <b>description, illustration</b> |
| <i>Odontopus sexpunctatus</i> Lap.                        | Spinola 1837: 178               |                                  |
| <i>Odontopus sexpunctatus</i> Lap.                        | Amyot and Serville 1843: 271    | <b>description</b>               |
| <i>Odontopus sexpunctatus</i> Lap.                        | Guerin-Meneville 1849: 341      | <b>illustration</b>              |
| <i>Odontopus sexpunctatus</i> Lap.                        | Herrich-Schaffer 1850: 178      |                                  |
| <i>Odontopus sexpunctatus</i> Laporte                     | Schaum 1862: 44                 |                                  |
| <i>Odontopus sexpunctatus</i> Lap.                        | Stål 1863: 392                  |                                  |
| <i>Odontopus sexpunctatus</i> Lap.                        | Stål 1866: 6                    | <b>description</b>               |
| <i>Odontopus sexpunctatus</i> Lap.                        | Stål 1870: 109                  |                                  |
| <i>Odontopus sexpunctatus</i> de Lap.                     | Walker 1872: 175                |                                  |
| <i>Odontopus sexpunctatus</i> Lap.                        | Bergroth 1893: 126              |                                  |
| <i>Odontopus sexpunctatus</i> de Castelnau                | Lethierry and Severin 1894: 246 |                                  |
| <i>Odontopus sexpunctatus</i> (Lap.)                      | Distant 1900: 48                |                                  |
| <i>Odontopus sexpunctatus</i> Lap.                        | Bergroth 1913b: 239             |                                  |
| <i>Probergrothius sexpunctatus</i> de Castelnau           | Hesse 1925: 86                  |                                  |
| <i>Odontopus sexpunctatus</i> Laporte                     | Hussey 1929: 55                 |                                  |
| <i>Odontopus sexpunctatus</i> Lap.                        | Blöte 1931: 108                 |                                  |
| <i>Odontopus sexpunctatus</i> Laporte                     | Schmidt 1932: 248               |                                  |
| <i>Odontopus sexpunctatus</i> Castelnau                   | Villiers 1950a: 323             |                                  |
| <i>Odontopus sexpunctatus</i> Lap.                        | Risbec 1951: 248                |                                  |
| <i>Odontopus sexpunctatus</i> Laporte                     | Schouteden 1957: 263            |                                  |
| <i>Odontopus sexpunctatus</i> Laporte                     | Villiers 1967: 372              |                                  |
| <i>Odontopus sexpunctatus</i> (Lp.)                       | Linnavuori 1978: 7              |                                  |
| <i>Probergrothius sexpunctatus</i> (Laporte de Castelnau) | Linnavuori 1988: 16             |                                  |

This species is very widespread in the Ethiopian Region. There are two distinct forms, one with a blackish appearance, the other being reddish, although in both the spots on the corium are black. The reddish form is the one originally described by Laporte de Castelnau in 1832, from Senegal, and his illustration (Plate IX, Figs. 5 and 5a) shows two separate spots near the base of each corium; in this form the anterior area of the pronotum is red. It is also illustrated by Stehlik 1966b (Plates III and IV). The other form, illustrated in Guérin-Meneville (1847-51, Plate 6, Fig. 6) and referred to in the caption as *Astemma percheroni*, shows the two basal spots on the corium coalesced into a single transverse spot, retaining the single spot near the apex of the corium. In this form the anterior area of the pronotum is black. The NMK collection has specimens of the black form from Kenya, Sudan and Uganda and the red form from Tanzania.

***Odontopus somaliensis* Goursat 1931**

Type depository: London, Natural History Museum

Country of origin of type: Somalia

Distribution: Somalia

Measurements: male, length 15 mm, width 6 mm; female, length 18 mm, width 7 mm (ex. Lit.)

*Odontopus somaliensis* Goursat 1931

Goursat 1931a: 167

**description**

*Odontopus somaliensis* Goursat

Mancini 1954: 166

***Antilochus violaceus* Carlini 1982**

Type depository: Natural History Museum, Genoa

Country of origin of type: Somalia

Distribution: Somalia

Measurements: length 16 mm; width 6 mm (ex. Lit.)

*Antilochus violaceus* Carlini 1982

Carlini 1982: 532

**description**

*Antilochus violaceus* Carlini

Lethierry & Severin 1894: 243

*Antilochus violaceus* Carlini

Hussey 1929: 41

***SERICOCORIS* Karsch 1892**

This genus, first described by Karsch (1892) and based on hairy insects collected in Cameroon, was revised by Stehlik in 1965. Stehlik's treatment of the genus concentrated on the use of the details of the male and female genitalia to determine species and this represented a major advance in the knowledge of the taxonomy of the superfamily.

Hussey 1929 listed only two species in the genus, but following Stehlik 1965a the number now stands at fourteen. Only one of these is a new species, *Sericocoris obuduanus* Linnavuori 1988. The rest have been transferred, by Stehlik 1965a, from other genera on the basis of detailed study of the genitalia. The genus is confined to the Ethiopian Region and the species are mostly rare in collections. Little is recorded in the published literature about the ecology of the species, although from the distribution and localities in which they have been found, they are most likely to be associated with forest habitats. Five of the fourteen species in the genus have been recorded as occurring in Eastern Africa, including Rwanda; the rest are West African, with Democratic Republic of Congo being the most easterly country.

In a large genus such as this, when many species are not available for study, the older written published descriptions have been found to be inadequate. The problem is mainly that authors have not followed a standard pattern of description and one is often left wondering about what has been left out. This lack is emphasized by the detailed and well illustrated paper of Stehlik 1965a.

Type species: *Sericocoris acromelanthes* Karsch 1892. Quoted as a monotype by Hussey 1929

Country of origin of type species: Cameroon

Type depository: not known

Synonyms: *Hathor* Kirkaldy and Edwards 1902

*Sericocoris* Karsch 1892

Karsch 1892: 132

*Sericocoris* Karsch

Lethierry and Severin 1894: 245

*Sericocoris* Karsch

Karsch 1894: 106

*Hathor* Kirkaldy & Edwards 1902

Kirkaldy and Edwards 1902: 168 (syn. Bergroth 1912)

*Sericocoris* Karsch

Bergroth 1912: 316

*Sericocoris* Karsch

Bergroth 1913a: 169

*Sericocoris* Karsch

Distant 1919: 220

*Sericocoris* Karsch

Hussey 1929: 50

*Sericocoris* Karsch

Schmidt 1932: 245

*Sericocoris* Karsch

Stehlik 1965a: 220

Stehlik divided the genus into three subgenera depending on the degree of hairiness of the species:

***Sericocoris*, hairy**

*Sericocoriopsis*, dorsal surface of the body almost hairless, but some pubescence on the ventral surface. This character seems quite variable.

*Pseudocenaesus*, hairless. This subgenus contains species that are smaller and more slender than the two subgenera noted above.

***Sericocoris (Sericocoris) acromelanthes* Karsch 1892**

Type depository: not known

Country of origin of type: Cameroon

Distribution: Cameroon; Congo (Brazzaville); Democratic Republic of Congo; Guinea; Ivory Coast; Togo; Uganda

Synonyms: *Hathor zoraida* Kirkaldy & Edwards 1902, *Sericocoris cosmohymen* Strand 1910

Measurements: average length, male 10.2 mm (2), female 13.2 mm (2)

|                                                       |                                 |                                            |
|-------------------------------------------------------|---------------------------------|--------------------------------------------|
| <i>Sericocoris acromelanthes</i> Karsch 1892          | Karsch 1892: 133                | <b>illustration</b>                        |
| <i>Sericocoris acromelanthes</i> Karsch               | Lethierry and Severin 1894: 245 |                                            |
| <i>Sericocoris acromelanthes</i> Karsch               | Karsch 1894: 106                |                                            |
| <i>Hathor zoraida</i> Kirkaldy & Edwards 1902         | Kirkaldy and Edwards 1902: 168  | <b>illustration</b> , (syn. Bergroth 1913) |
| <i>Sericocoris cosmohymen</i> Strand 1910             | Strand 1910: 151                | <b>illustration</b> , (syn. Bergroth 1913) |
| <i>Sericocoris acromelanthes</i> Karsch               | Schumacher 1912: 319            |                                            |
| <i>Sericocoris acromelanthes</i> Karsch               | Bergroth 1913a: 169             |                                            |
| <i>Sericocoris acromelanthes</i> Karsch               | Hussey 1929: 50                 |                                            |
| <i>Sericocoris acromelanthes</i> Karsch               | Blöte 1931: 108                 |                                            |
| <i>Sericocoris acromelanthes</i> Karsch               | Schmidt 1932: 245               |                                            |
| <i>Sericocoris acromelanthes</i> Karsch               | Villiers 1950b: 640             | <b>illustration</b>                        |
| Var. <i>unifasciata</i> Villiers 1950                 |                                 |                                            |
| Var. <i>nigrithorax</i> Villiers 1950                 |                                 |                                            |
| <i>Sericocoris acromelanthes</i> Karsch               | Villiers 1953: 298              |                                            |
| <i>Sericocoris (Sericocoris) acromelanthes</i> Karsch | Stehlik 1965a: 222              | <b>illustration</b>                        |
| <i>Sericocoris acromelanthes</i> Karsch               | Villiers 1967: 371              |                                            |
| <i>Sericocoris acromelanthes</i> Karsch               | Linnavuori 1988: 13             |                                            |

***Sericocoris (Sericocoris) cuneatus* Villiers 1951**

Type depository: Paris, Museum d'Histoire Naturelle

Country of origin of type: Congo (Brazzaville)

Distribution: Congo (Brazzaville)

Measurements: length 12 mm (ex. Lit.)

|                                                    |                    |                                  |
|----------------------------------------------------|--------------------|----------------------------------|
| <i>Sericocoris cuneatus</i> Villiers 1951          | Villiers 1951: 145 | <b>description, illustration</b> |
| <i>Sericocoris (Sericocoris) cuneatus</i> Villiers | Stehlik 1965a: 222 | <b>illustration</b>              |

***Sericocoris (Sericocoriopsis) johnstoni* (Distant 1902)**

Type depository: London, Natural History Museum

Country of origin of type: Uganda

Distribution: Nigeria; Rwanda; Uganda

Synonyms: *Sericocoris acromelanthes* Haglund 1895, *Sericocoris acromelanthes* var. *nigricornis* Schouteden 1957

Measurements: average length, female 13.2 mm (3)

|                                                        |                      |                     |
|--------------------------------------------------------|----------------------|---------------------|
| <i>Sericocoris acromelanthes</i> Karsch                | Haglund 1895: 464    | <b>description</b>  |
| <i>Sericocoris johnstoni</i> Distant 1902              | Distant 1902a: 43    | <b>description</b>  |
| <i>Sericocoris acromelanthes</i> Karsch                | Schouteden 1957: 262 | <b>description</b>  |
| <i>Sericocoris (Sericocoriopsis) johnstoni</i> Distant | Stehlik 1965a: 223   | <b>illustration</b> |
| <i>Sericocoris johnstoni</i> Distant                   | Linnavuori 1988: 13  |                     |

***Sericocoris (Sericocoriopsis) dispar* (Schouteden 1957)**

Type depository: Tervuren, Musee Royal de l’Afrique Centrale

Country of origin of type: Rwanda

Distribution: Rwanda

Measurements: length, 10 mm (ex. Lit.)

*Cenaeus dispar* Schouteden 1957

Schouteden 1957: 265

**description**

*Sericocoris (Sericocoriopsis) dispar* (Schouteden)

Stehlik 1965a: 223

**illustration**

***Sericocoris (Sericocoriopsis) sanguinolentus* (Haglund 1895)**

Type depository: Stockholm, Naturhistoriska Riksmuseum

Country of origin of type: Cameroon

Distribution: Cameroon

Synonyms: *Sericocoris sanguineus* Villiers 1951

Measurements : length 8.5 - 11 mm, width 3 - 4 mm (ex. Lit.)

*Cenaeus sanguinolentus* Haglund 1895

Haglund 1895: 465

*Cenaeus sanguinolentus* Hagl.

Schumacher 1912: 319

*Cenaeus sanguinolentus* Hagl.

Bergroth 1913a: 171

*Cenaeus sanguinolentus* Haglund

Hussey 1929: 67

*Sericocoris sanguineus* Villiers 1951

Villiers 1951: 146

**illustration** (syn. Stehlik 1965)

*Sericocoris (Sericocoriopsis) sanguinolentus* (Haglund)

Stehlik 1965a: 146

***Sericocoris (Pseudocenaesus) nigriceps* (Stål 1855)**

Type depository: Stockholm, Naturhistoriska Riksmuseum

Country of origin of type: South Africa

Distribution: Kenya; Rwanda; South Africa; Sudan; Tanzania

Synonyms: *Dindymus natalensis* Distant 1902, *Cenaesus kilimanus* Schouteden 1910, *Cenaesus usambarae* Schouteden 1910, *Cenaesus ornatus* Villiers 1951

Measurements: average length 8.75 - 12 mm, width 4.5 mm (ex. Lit.)

*Pyrrhocoris nigriceps* Stål 1855

Stål 1855a: 35

*Cenaesus nigriceps* Stål

Stål 1861: 196

*Odontopus nigriceps* Stål

Stål 1866: 7

*Dindymus nigriceps* Stål

Stål 1870: 113

*Odontopus nigriceps* Stål

Walker 1872: 175

*Dindymus nigriceps* Stål

Lethierry and Severin 1894: 247

*Dindymus natalensis* Distant 1902

Distant 1902b: 40

(syn. Stehlik 1965)

*Cenaesus kilimanus* Schouteden 1910

Schouteden 1910: 152

(syn. Stehlik 1965)

*Cenaesus usambarae* Schouteden 1910

Schouteden 1910: 152

(syn. Stehlik 1965)

*Dindymus natalensis* Dist.

Bergroth 1913a: 170

*Dindymus nigriceps* (Stål)

Hussey 1929: 60

*Cenaesus kilimanus* Schouteden

Hussey 1929: 67

*Cenaesus usambarae* Schouteden

Hussey 1929: 68

*Cenaesus ornatus* Villiers 1951

Villiers 1951: 143

**illustration** (syn. Stehlik 1965)

*Cenaesus kilimanus* Schouteden

Schouteden 1957: 264

*Cenaesus usambarae* Schouteden

Schouteden 1957: 264

*Sericocoris (Pseudocenaesus) nigriceps* (Stål)

Stehlik 1965a: 223

**illustration**

***Sericocoris (Pseudocenaesus) luridus* (Reuter 1882)**

Type depository: not known



Country of origin of type: Ghana

Distribution: Cameroon; Central African Republic; Democratic Republic of Congo; Ghana; Guinea; Ivory Coast; Nigeria; Sudan; Uganda

Synonyms: *Cenaeus gowdeyi* Bergroth 1912, *Cenaeus ochraceus* Blöte 1932

Measurements: average length, male 9.2 mm (1), female 11.8 mm (8)

|                                                      |                                 |                     |
|------------------------------------------------------|---------------------------------|---------------------|
| <i>Cenaeus luridus</i> Reuter 1882                   | Reuter 1882: 28                 |                     |
| <i>Cenaeus luridus</i> Reuter                        | Lethierry and Severin 1894: 248 |                     |
| <i>Cenaeus gowdeyi</i> Bergroth 1912                 | Bergroth 1912b: 194             | (syn. Stehlik 1965) |
| <i>Cenaeus gowdeyi</i> Bergroth                      | Bergroth 1913a: 171             |                     |
| <i>Cenaeus gowdeyi</i> Berg.                         | Bergroth 1926: 12               |                     |
| <i>Cenaeus gowdeyi</i> Bergroth                      | Hussey 1929: 66                 |                     |
| <i>Cenaeus luridus</i> Reuter                        | Hussey 1929: 67                 |                     |
| <i>Cenaeus ochraceus</i> Blöte 1933                  | Blöte 1933a: 2                  | (syn. Stehlik 1965) |
| <i>Cenaeus luridus</i> Reuter                        | Villiers 1953: 298              |                     |
| <i>Cenaeus ochraceus</i> Blöte                       | Villiers 1953: 29               |                     |
| <i>Sericocoris (Pseudocenaesus) luridus</i> (Reuter) | Stehlik 1965a: 224              | <b>illustration</b> |
| <i>Sericocoris luridus</i> R.                        | Linnavuori 1978: 8              |                     |
| <i>Sericocoris luridus</i> Reuter                    | Linnavuori 1988: 13             |                     |
| <i>Sericocoris gowdeyi</i> Bergroth                  | Linnavuori 1988: 13             |                     |

### *Sericocoris (Pseudocenaesus) distinguendus* (Blöte 1933)

Type depository: London, Natural History Museum

Country of origin of type: Ghana

Distribution: Ghana; Ivory Coast; Nigeria; Uganda

Measurements: average length, male 8.8 mm (1), female 11.7 mm (2)

|                                                           |                     |                    |
|-----------------------------------------------------------|---------------------|--------------------|
| <i>Cenaeus distinguendus</i> Blöte 1933                   | Blöte 1933b: 594    | <b>description</b> |
| <i>Cenaeus distinguendus</i> Blöte                        | Villiers 1953: 299  |                    |
| <i>Sericocoris (Pseudocenaesus) distinguendus</i> (Blöte) | Stehlik 1965a: 224  |                    |
| <i>Sericocoris distinguendus</i> (Blöte)                  | Linnavuori 1988: 13 |                    |

### *Sericocoris (Pseudocenaesus) obscuratus* (Blöte 1933)

Type depository: London, Natural History Museum

Country of origin of type: Sierra Leone

Distribution: Sierra Leone

Measurements: length 10.75 mm (ex. Lit.)

|                                                        |                    |                    |
|--------------------------------------------------------|--------------------|--------------------|
| <i>Cenaeus obscuratus</i> Blöte 1933                   | Blöte 1933b: 593   | <b>description</b> |
| <i>Sericocoris (Pseudocenaesus) obscuratus</i> (Blöte) | Stehlik 1965a: 225 |                    |

### *Sericocoris (Pseudocenaesus) roseus* (Villiers 1951)

Type depository: Paris, Museum d'Histoire Naturelle

Country of origin of type: Guinea

Distribution: Guinea

Measurements: length of male 11 mm (ex. Lit.)

|                                                       |                     |                     |
|-------------------------------------------------------|---------------------|---------------------|
| <i>Cenaeus roseus</i> Villiers 1951                   | Villiers 1951: 141  | <b>description</b>  |
| <i>Cenaeus roseus</i> Villiers                        | Villiers 1953: 298  |                     |
| <i>Sericocoris (Pseudocenaesus) roseus</i> (Villiers) | Stehlik 1965a: 225  | <b>illustration</b> |
| <i>Sericocoris roseus</i> (Villiers)                  | Linnavuori 1988: 14 |                     |



***Sericocoris (Pseudocenaesus) montanus* (Villiers 1951)**

Type depository: Paris, Museum d'Histoire Naturelle  
Country of origin of type: Ivory Coast  
Distribution: Ivory Coast  
Measurements: average length of female 13 - 14 mm (ex. Lit.)

|                                                         |                     |                    |
|---------------------------------------------------------|---------------------|--------------------|
| <i>Cenaesus montanus</i> Villiers 1951                  | Villiers 1951: 142  | <b>description</b> |
| <i>Cenaesus montanus</i> Villiers                       | Villiers 1953: 298  |                    |
| <i>Sericocoris (Pseudocenaesus) montanus</i> (Villiers) | Stehlik 1965a: 225  |                    |
| <i>Sericocoris montanus</i> (Villiers)                  | Linnavuori 1988: 13 |                    |

***Sericocoris (Pseudocenaesus) plebejus* (Haglund 1895)**

Type depository: Stockholm, Naturhistoriska Riksmuseum  
Country of origin of type: Cameroon  
Distribution: Cameroon  
Measurements: length 11 mm, width 3.5 mm, female (ex. Lit.)

|                                                        |                     |                    |
|--------------------------------------------------------|---------------------|--------------------|
| <i>Cenaesus plebejus</i> Haglund 1895                  | Haglund 1895: 466   | <b>description</b> |
| <i>Cenaesus plebejus</i> Hagl.                         | Bergroth 1913a: 171 |                    |
| <i>Cenaesus plebejus</i> Haglund                       | Hussey 1929: 67     |                    |
| <i>Sericocoris (Pseudocenaesus) plebejus</i> (Haglund) | Stehlik 1965a: 225  |                    |

***Sericocoris (Pseudocenaesus) apicicornis* (Fairmaire 1858)**

Type depository: Paris, Museum d'Histoire Naturelle  
Country of origin of type: Gabon  
Distribution: Cameroon; Congo (Brazzaville); Democratic Republic of Congo; Gabon; Guinea; Uganda  
Measurements: average length of female 13.5 mm (2)

|                                                             |                                 |
|-------------------------------------------------------------|---------------------------------|
| <i>Odontopus apicicornis</i> Fairmaire 1858                 | Fairmaire 1858: 307             |
| <i>Cenaesus apicicornis</i> Fairm.                          | Stål 1863: 404                  |
| <i>Cenaesus apicicornis</i> Fairm.                          | Stål 1866: 9                    |
| <i>Cenaesus apicicornis</i> Fairm.                          | Stål 1870: 113                  |
| <i>Pyrrhocoris apicicornis</i> Fairm.                       | Walker 1872: 170                |
| <i>Cenaesus apicicornis</i> (Fairm.)                        | Karsch 1894: 106                |
| <i>Cenaesus apicicornis</i> Fairmaire                       | Lethierry and Severin 1894: 248 |
| <i>Cenaesus apicicornis</i> Fairm.                          | Haglund 1895: 465               |
| <i>Cenaesus apicicornis</i> (Fairmaire)                     | Hussey 1929: 65                 |
| <i>Cenaesus apicicornis</i> Fairm.                          | Blöte 1931: 115                 |
| <i>Cenaesus apicicornis</i> Fairmaire                       | Schmidt 1932: 255               |
| <i>Sericocoris (Pseudocenaesus) apicicornis</i> (Fairmaire) | Stehlik 1965a: 225              |
| <i>Cenaesus apicicornis</i> (Fairmaire)                     | Villiers 1967: 373              |

Specimens in the NMK collection extend the range of the species to DRC and Uganda, but maintain its West African affinities.

***Sericocoris (Pseudocenaesus) obuduanus* Linnavuori 1988**

Type depository: in collection, of R. Linnavuori, Raisio, Finland  
Country of origin of type: Nigeria  
Distribution: Nigeria  
Measurements: length of male 14.5 mm, female 15.5-16.5 mm (ex. Lit.)

*Sericocoris (Pseudocenaesus) obuduanus* Linnavuori 1988

Linnavuori 1988: 14

**illustration**

## **MYRMOPLASTA** Gerstäcker 1892

The species in this genus are ant-like. In this they differ from all the other genera of the Ethiopian Pyrrhocoroidea. All the species have a short rounded abdomen, which is strongly rounded below and with the upper surface rounded to some extent, with the thorax extended and restricted giving the appearance of a petiole. The genus is restricted to Eastern Africa, the most westerly record being in Democratic Republic of Congo.

Type species: *Myrmoplasta mira* Gerstäcker 1892

Country of origin of type species: Tanzania

Type depository: not known

Illustrations: see *Myrmoplasta mira* Gerstäcker 1892, *Myrmoplasta potteri* Martin 1900

*Myrmoplasta* Gerstäcker 1892

Gerstäcker 1892: 51

**description**

*Myrmoplasta* Gerstäcker

Lethierry and Severin 1894: 242, 250

*Myrmoplasta* Gerstäcker

Martin 1900: 20

*Myrmoplasta* Gerstäcker

Hussey 1929: 70

*Myrmoplasta* Gerstäcker

Schmidt 1932: 257

## ***Myrmoplasta mira*** Gerstäcker 1892

Type depository: not known

Country of origin of type: Tanzania

Distribution: Democratic Republic of Congo; Ethiopia; Tanzania

Measurements: average length, male 7.5 mm (1), female 10.3 mm (3)

*Myrmoplasta mira* Gerstäcker 1892

Gerstäcker 1892: 51

**description, illustration**

*Myrmoplasta mira* Gerstäcker

Lethierry and Severin 1894: 242, 250

*Myrmoplasta mira* Gerstäcker

Hussey 1929: 70

*Myrmoplasta mira* Gerstäcker

Schmidt 1932: 257

*Myrmoplasta mira* Gerst.

Schouteden 1957: 266

## ***Myrmoplasta potteri*** Martin 1900

Type depository: not known

Country of origin of type: Ethiopia

Distribution: Democratic Republic of Congo; Ethiopia; Kenya; Rwanda; Tanzania; Uganda

Measurements: average length, male 6.2 mm (6), female 7.8 mm (16)

*Myrmoplasta potteri* Martin 1900

Martin 1900: 20

**description**

*Myrmoplasta potteri* Mart.

Distant 1909: 79

*Myrmoplasta potteri* Mart.

Bergroth 1913: 167

*Myrmoplasta potteri* Martin

Courteaux 1922: 285

**description, illustration**

*Myrmoplasta potteri* Martin

Hussey 1929: 70

*Myrmoplasta potteri* Mart.

Blöte 1931: 115

*Myrmoplasta potteri* Martin

Izzard 1950: 192

**description, illustration**

*Myrmoplasta potteri* Martin

Schouteden 1957: 266

*Myrmoplasta potteri* Mart.

Linnavuori 1978: 8

This species exhibits sexual dimorphism, the abdomen of the male being mostly black, while that of the female is striped black and yellow. The species is probably synonymous with *M. vittiventris* (see below). It is also recorded that the species may be brachypterous, the most common condition, or macropterous.

***Myrmoplasta vittiventris*** Carlini 1894

Type depository: Genoa Museum

Country of origin of type: Uganda

Distribution: Uganda

Measurements: length 8 mm, width 3.5 mm (female) (ex. Lit.)

*Myrmoplasta vittiventris* Carlini 1894

Carlini 1894: 471

**description**

*Myrmoplasta vittiventris* Carl.

Bergroth 1913a: 167

*Myrmoplasta vittiventris* Carlini

Hussey 1929: 70

Carlini described the species from a single female specimen. Comparing the texts of Carlini (1894) and Martin (1900) indicates that *Myrmoplasta vittiventris* Carlini 1894 and *Myrmoplasta potteri* Martin 1900 are one species although this cannot be resolved without examination of the type specimens. This, if correct, would then give *Myrmoplasta vittiventris* Carlini 1894 the priority.

***SIANGO*** Blöte 1933

Type species: *Siango variegata* Blöte 1933

Country of origin of type species: Uganda

Type depository: London, Natural History Museum

Illustrations: in *Siango variegata* Blöte 1933

*Siango* Blöte 1933

Blöte 1933b: 596

The genus is confined to Eastern Africa.

***Siango variegata*** Blöte 1933

Type depository: London, Natural History Museum

Country of origin of type: Uganda

Distribution: Democratic Republic of Congo; Kenya; Uganda

Measurements: average length, male 10.1 mm (2), female 10.5 mm (1)

*Siango variegata* Blöte 1933

Blöte 1933b: 597

**description, illustration**

***Siango blötei*** Schouteden 1933

Type depository: Tervuren, Musee Royal de l'Afrique Centrale

Country of origin of type: Democratic Republic of Congo

Distribution: Democratic Republic of Congo

Measurements: length of male 8 mm, length of female 10.5-11 mm (ex. Lit.)

*Siango Blötei* Schouteden 1933

Schouteden 1933: 338

**description**

***GROMIERUS*** Villiers 1951

Type species: *Gromierus rufipes* Villiers 1951

Country of origin of type species: Cameroon

Type depository: Paris, Museum d'Histoire Naturelle

Illustrations: In *Gromierus rufipes* Villiers 1951

*Gromierus* Villiers 1951

Villiers 1951: 143

**description**

*Gromierus* Villiers

Stehlik 1979: 177

**description, key**

***Gromierus rufipes* Villiers 1951**

Type depository: Paris, Museum d'Histoire Naturelle  
 Country of origin of type: Cameroon  
 Distribution: Cameroon; Democratic Republic of Congo; Rwanda  
 Measurements: length 15.5 mm. There are also detailed measurements in Stehlik 1979.

|                                         |                      |                                  |
|-----------------------------------------|----------------------|----------------------------------|
| <i>Gromierus ruficeps</i> Villiers 1951 | Villiers 1951: 144   | <b>description, illustration</b> |
| <i>Gromierus ruficeps</i> Villiers      | Schouteden 1957; 263 |                                  |
| <i>Gromierus ruficeps</i> Villiers      | Stehlik 1979: 186    | <b>description, illustration</b> |

***Gromierus schmitzi* Stehlik 1979**

Type depository: Tervuren, Musee Royal de l'Afrique Centrale  
 Country of origin of type: Democratic Republic of Congo  
 Distribution: Democratic Republic of Congo  
 Illustrations: in Stehlik 1979  
 Measurements: Detailed measurements are given in Stehlik 1979.

|                                        |                   |                                  |
|----------------------------------------|-------------------|----------------------------------|
| <i>Gromierus schmitzi</i> Stehlik 1979 | Stehlik 1979: 187 | <b>description, illustration</b> |
|----------------------------------------|-------------------|----------------------------------|

***Gromierus fumatus* Stehlik 1979**

Type depository: London, Natural History Museum  
 Country of origin of type: Uganda (E. Ruwenzori)  
 Distribution: Uganda  
 Measurements: Detailed measurements are given in Stehlik 1979.

|                                        |                   |                                  |
|----------------------------------------|-------------------|----------------------------------|
| <i>Gromierus schmitzi</i> Stehlik 1979 | Stehlik 1979: 190 | <b>description, illustration</b> |
|----------------------------------------|-------------------|----------------------------------|

***Gromierus dollingi* Stehlik 1979**

Type depository: Tervuren, Musee Royal de l'Afrique Centrale  
 Country of origin of type: Democratic Republic of Congo  
 Distribution: Democratic Republic of Congo  
 Measurements: Detailed measurements are given in Stehlik 1979.

|                                        |                   |                                  |
|----------------------------------------|-------------------|----------------------------------|
| <i>Gromierus dollingi</i> Stehlik 1979 | Stehlik 1979: 192 | <b>description, illustration</b> |
|----------------------------------------|-------------------|----------------------------------|

***Gromierus minor* Stehlik 1979**

Type depository: Tervuren, Musee Royal de l'Afrique Centrale  
 Country of origin of type: Democratic Republic of Congo  
 Distribution: Democratic Republic of Congo  
 Measurements: Detailed measurements are given in Stehlik 1979.

|                                     |                   |                                  |
|-------------------------------------|-------------------|----------------------------------|
| <i>Gromierus minor</i> Stehlik 1979 | Stehlik 1979: 194 | <b>description, illustration</b> |
|-------------------------------------|-------------------|----------------------------------|

***SICNATUS* Villiers and Dekeyser 1951**

Type species: *Sicnatus leyei* Villiers and Dekeyser 1951  
 Country of origin of type species: Senegal

Type depository: Dakar, L’Institut Francais de l’Afrique Noire  
 Illustrations: see *Sicnatus leyei* Villiers and Dekeyser 1951

|                                          |                                |                    |
|------------------------------------------|--------------------------------|--------------------|
| <i>Sicnatus</i> Villiers & Dekeyser 1951 | Villiers and Dekeyser 1951: 19 | <b>description</b> |
| <i>Sicnatus</i> Villiers & Dekeyser      | Stehlik 1965a: 235             |                    |

***Sicnatus leyei* Villiers and Dekeyser 1951**

Type depository: Dakar, L’Institut Francais de l’Afrique Noire  
 Country of origin of type: Senegal  
 Distribution: Democratic Republic of Congo; Senegal  
 Measurements: length 8 mm (ex. Lit.)

|                                                |                                |                                  |
|------------------------------------------------|--------------------------------|----------------------------------|
| <i>Sicnatus leyei</i> Villiers & Dekeyser 1951 | Villiers and Dekeyser 1951: 19 | <b>description, illustration</b> |
| <i>Sicnatus leyei</i> Villiers                 | Villiers 1953: 299             |                                  |
| <i>Sicnatus leyei</i> Villiers & Dekeyser      | Schouteden 1957: 264           |                                  |
| <i>Sicnatus leyei</i> Villiers                 | Linnavuori 1988: 17            |                                  |

***NEOINDRA* Stehlik 1965**

Type species: *Neoindra basilewskyi* Stehlik 1965  
 Country of origin of type species: Tanzania  
 Type depository: Tervuren, Musee Royal de l’Afrique Centrale  
 Illustrations: see *Neoindra basilewskyi* Stehlik 1965

|                              |                    |                    |
|------------------------------|--------------------|--------------------|
| <i>Neoindra</i> Stehlik 1965 | Stehlik 1965a: 237 | <b>description</b> |
|------------------------------|--------------------|--------------------|

***Neoindra basilewskyi* Stehlik 1965**

Type depository: Tervuren, Musee Royal de l’Afrique Centrale  
 Country of origin of type: Tanzania  
 Distribution: Tanzania  
 Measurements: Detailed measurements are given in Stehlik 1965.

|                                          |                    |                                  |
|------------------------------------------|--------------------|----------------------------------|
| <i>Neoindra basilewskyi</i> Stehlik 1965 | Stehlik 1965a: 240 | <b>description, illustration</b> |
|------------------------------------------|--------------------|----------------------------------|

***SCHMITZIANA* Stehlik 1977**

The genus has three species, all of which are very rare, and is distributed very widely. The type species, *Schmitziana pilosa* Stehlik 1977 comes from South Africa (Transvaal) and is only known in a brachypterous form. *Schmitziana polymorpha* Stehlik 1977 comes from Democratic Republic of Congo (Upemba N.P.) and is known in both brachypterous and macropterous forms. *Schmitziana grandis* (Stehlik 1965) comes from Tanzania (Usambara Mtns., Mombo). Only the holotype is known and it is macropterous.

Type species: *Schmitziana pilosa* Stehlik 1977  
 Country of origin of type species: South Africa (Transvaal)  
 Type depository: In the collection of J.A. Slater, Storrs, Connecticut, USA.

|                                 |                   |                                       |
|---------------------------------|-------------------|---------------------------------------|
| <i>Schmitziana</i> Stehlik 1977 | Stehlik 1977: 133 | <b>description, illustration, key</b> |
|---------------------------------|-------------------|---------------------------------------|

***Schmitziana pilosa* Stehlik 1977**

Type depository: In the collection of J.A. Slater, Storrs, Connecticut, USA.



Country of origin of type: South Africa (Transvaal)  
 Distribution: South Africa  
 Measurements: Detailed measurements are given in Stehlik 1977.

*Schmitziana pilosa* Stehlik 1977                      Stehlik 1977: 137                      **description, illustration**

***Schmitziana polymorpha* Stehlik 1977**

Type depository: Brussels, Institute royal des Sciences naturelles de Belgique  
 Country of origin of type: Democratic Republic of Congo  
 Distribution: Democratic Republic of Congo  
 Measurements: Detailed measurements are given in Stehlik 1977.

*Schmitziana polymorpha* Stehlik 1977                      Stehlik 1977: 139                      **description, illustration**

***Schmitziana grandis* (Stehlik 1965)**

Type depository: Tervuren, Musee Royal de l’Afrique Centrale  
 Country of origin of type: Tanzania  
 Distribution: Tanzania  
 Synonyms: *Sicnatus grandis* Stehlik 1965  
 Illustrations: In Stehlik 1965, Plate VIII; In Stehlik 1977  
 Measurements: Detailed measurements are given in Stehlik 1977

*Sicnatus grandis* Stehlik 1965                      Stehlik 1965a: 236                      **description, illustration**  
*Schmitziana grandis* (Stehlik)                      Stehlik 1977: 141                      **description, illustration**

***NEODINDYMUS* Stehlik 1965**

Hussey in 1929 listed 47 species in the genus *Dindymus*. Only five of these came from the Ethiopian Region, the others being either Asian or Australasian. In 1965, Stehlik re-examined the genus and decided that the African species were not congeneric with the rest, and he created the new genus *Neodindymus* Stehlik 1965 to contain them. At present the genus is considered to contain thirteen species in the Ethiopian Region, eight of which have been recorded from Eastern Africa. The NMK collection contains at least one, and probably two, species that do not correspond to published descriptions.

Type species: *Neodindymus basilewskyi* (Schouteden 1957). Designated by Stehlik 1965  
 Country of origin of type species: Democratic Republic of Congo  
 Type depository: Tervuren, Musee Royal de l’Afrique Centrale  
 Synonyms: *Dindymus* Stål 1861  
 Illustration: many illustrations, see under individual species

|                                 |                            |                                        |
|---------------------------------|----------------------------|----------------------------------------|
| <i>Dindymus</i> Stål 1861       | Stål 1861: 196             | <b>description</b> (syn. Stehlik 1965) |
| <i>Dindymus</i> Stål            | Stål 1870: 103             | <b>description</b>                     |
| <i>Dindymus</i> Stål            | Lethierry and Severin: 246 |                                        |
| <i>Dindymus</i> Stål            | Bredden 1901: 175          |                                        |
| <i>Dindymus</i> Stål            | Distant 1903: 110          |                                        |
| <i>Dindymus</i> Stål            | Distant 1914b: 342         |                                        |
| <i>Dindymus</i> Stål            | Taeuber 1927: 185          |                                        |
| <i>Dindymus</i> Stål            | Hussey 1929: 56            |                                        |
| <i>Dindymus</i> Stål            | Freeman 1947: 383          | <b>description</b>                     |
| <i>Neodindymus</i> Stehlik 1965 | Stehlik 1965a: 225         | <b>description</b>                     |

***Neodindymus acutus* Stehlik 1965**

Type depository: Tervuren, Musee Royal de l'Afrique Centrale  
Country of origin of type: Tanzania  
Distribution: Tanzania  
Measurements: Detailed measurements are given in Stehlik 1965

*Neodindymus acutus* Stehlik 1965                      Stehlik 1965a: 228                      **description, illustration**  
*Neodindymus antennatus* (Distant 1881)

Type depository: London, Natural History Museum  
Country of origin of type: Nigeria  
Distribution: Guinea; Nigeria  
Measurements: length 12 mm (ex. Lit.)

|                                            |                                 |                                  |
|--------------------------------------------|---------------------------------|----------------------------------|
| <i>Dysdercus antennatus</i> Distant 1881   | Distant 1881: 275               | <b>description, illustration</b> |
| <i>Dysdercus antennatus</i> Distant        | Lethierry and Severin 1894: 252 |                                  |
| <i>Dysdercus antennatus</i> Dist.          | Bergroth 1920: 4                |                                  |
| <i>Dysdercus antennatus</i> Distant        | Hussey 1929: 86                 |                                  |
| <i>Dindymus antennatus</i> Distant         | Blöte 1931: 117                 |                                  |
| <i>Neodindymus antennatus</i> Stehlik 1965 | Stehlik 1965a: 228              |                                  |
| <i>Neodindymus antennatus</i> (Distant)    | Linnavuori 1988: 16             |                                  |

***Neodindymus basilewskyi* (Schouteden 1957)**

Type depository: Tervuren, Musee Royal de l'Afrique Centrale  
Country of origin of type: Democratic Republic of Congo  
Distribution: Tanzania; Democratic Republic of Congo  
Measurements: average length of male 11.6 mm (7), of female 13.2 mm (7)

|                                             |                      |                                     |
|---------------------------------------------|----------------------|-------------------------------------|
| <i>Dindymus basilewskyi</i> Schouteden 1957 | Schouteden 1957: 264 | <b>description<br/>illustration</b> |
| <i>Neodindymus basilewskyi</i> (Schouteden) | Stehlik 1965a: 227   |                                     |

***Neodindymus bipustulatus* (Stål 1874)**

Type depository: Stockholm, Naturhistoriska Riksmuseum  
Country of origin of type: Zanzibar  
Distribution: Tanzania; Zanzibar  
Synonyms: *Dindymus maculipennis* Villiers 1951  
Measurements: average length of male 11.3 mm (25), of female 13.7 mm (20)

|                                            |                                 |                                                       |
|--------------------------------------------|---------------------------------|-------------------------------------------------------|
| <i>Dindymus bipustulatus</i> Stål 1874     | Stål 1874: 168                  | <b>description</b>                                    |
| <i>Dindymus bipustulatus</i> Stål          | Lethierry and Severin 1894: 246 |                                                       |
| <i>Dindymus bipustulatus</i> Stål          | Hussey 1929: 57                 | <b>description, illustration, (syn. Stehlik 1965)</b> |
| <i>Dindymus maculipennis</i> Villiers 1951 | Villiers 1951: 144              |                                                       |
| <i>Neodindymus bipustulatus</i> (Stål)     | Stehlik 1965a: 228              |                                                       |

All the specimens in the NMK collection were collected at a UV light trap in eastern Tanzania, just inland from Tanga. The only previous records have been from Zanzibar, so the species seems to be restricted to the coastal areas of northern Tanzania.

***Neodindymus brunneus* Stehlik 1965**

Type depository: Tervuren, Musee Royal de l'Afrique Centrale  
Country of origin of type: Tanzania  
Distribution: Tanzania  
Measurements: Detailed measurements are given in Stehlik 1965.

*Neodindymus brunneus* Stehlik 1965

Stehlik 1965a: 232

**description, illustration**

*Neodindymus flavipes* (Signoret 1858)

Type depository: Vienna, Naturhistorische Museum

Country of origin of type: Gabon

Distribution: Congo (Brazzaville); Gabon; Guinea; Ivory Coast; Nigeria

Synonyms: *Dysdercus nigrotarsus* Signoret 1858

Measurements: length 7-12 mm, width 4-4.5 mm (ex. Lit.)

*Dysdercus flavipes* Signoret 1858

Signoret 1858: 308

**description**

*Dysdercus nigrotarsus* Signoret 1858

Signoret 1858: 308

(syn. Stål 1863)

*Dysdercus flavipes* Sign.

Stål 1863: 403

**description**

*Odontopus flavipes* Sign.

Stål 1866: 7

**description**

*Dindymus flavipes* Sign.

Stål 1870: 113

*Odontopus flavipes* Sign.

Walker 1872: 175

*Dindymus flavipes* Sign.

Signoret 1886: 27

*Dindymus flavipes* Signoret

Lethierry and Severin 1894: 247

*Sericocoris flavipes* (Sign.)

Distant 1919: 220

*Dindymus flavipes* (Signoret)

Hussey 1929: 59

*Dindymus flavipes* Sign.

Sauvaut 1949: 154

**description, illustration**

*Dindymus flavipes* Signoret

Villiers 1953: 298

*Neodindymus flavipes* (Signoret)

Stehlik 1965a: 227

**illustration**

*Neodindymus flavipes* (Signoret)

Villiers 1967: 373

*Neodindymus flavipes* (Signoret)

Linnavuori 1988: 15

*Neodindymus leleupi* Stehlik 1965

Type depository: Tervuren, Musee Royal de l'Afrique Centrale

Country of origin of type: Tanzania

Distribution: Tanzania

Measurements: Detailed measurements are given in Stehlik 1965.

There are four specimens in the NMK collection, all from the Usambara mountains in Tanzania. The type locality is in the Uluguru Mountains, about 200 km to the south.

*Neodindymus leleupi* Stehlik 1965

Stehlik 1965a: 230

**description, illustration**

*Neodindymus migratorius* (Distant 1903)

Type depository: London, Natural History Museum

Country of origin of type: Malawi

Distribution: Benin; Congo (Brazzaville); Guinea; Ivory Coast; Kenya; Malawi; Tanzania; Uganda

Synonyms: *Cenaeus argillosus* Bergroth 1912

Measurements: average length, male 10.8 mm (5), female 11.3 mm (17)

*Dysdercus migratorius* Distant 1903

Distant 1903: 120

**description**

*Dysdercus migratorius* Dist.

Schouteden 1912: 304

**description**

*Cenaeus argillosus* Bergroth 1912

Bergroth 1912a: 315

**description** (syn. Stehlik 1965)

*Cenaeus argillosus* Bergr.

Bergroth 1913a: 171

*Dysdercus migratorius* Dist.

Bergroth 1913a: 173

*Cenaeus argillosus* Bergroth

Hussey 1929: 66

|                                          |                     |                                  |
|------------------------------------------|---------------------|----------------------------------|
| <i>Dysdercus migratorius</i> Distant     | Hussey 1929: 95     | <b>description, illustration</b> |
| <i>Neodindymus migratorius</i> (Distant) | Stehlik 1965a: 228  |                                  |
| <i>Neodindymus migratorius</i> (Distant) | Villiers 1967: 372  |                                  |
| <i>Neodindymus migratorius</i> (Distant) | Linnavuori 1988: 15 |                                  |

***Neodindymus relatus*** (Distant 1902)

Type depository: London, Natural History Museum  
 Country of origin of type: Tanzania  
 Distribution: Tanzania  
 Measurements: length 12 mm (ex. Lit.)

|                                      |                     |                    |
|--------------------------------------|---------------------|--------------------|
| <i>Dindymus relatus</i> Distant 1902 | Distant 1902b: 40   | <b>description</b> |
| <i>Dindymus relatus</i> Dist.        | Bergroth 1913a: 171 |                    |
| <i>Dindymus relatus</i> Distant      | Hussey 1929: 61     |                    |
| <i>Neodindymus relatus</i> Distant   | Stehlik 1965a: 228  |                    |

***Neodindymus schoutedeni*** Stehlik 1965

Type depository: Tervuren, Musee Royal de l'Afrique Centrale  
 Country of origin of type: Kenya  
 Distribution: Kenya  
 Measurements: Detailed measurements and also a comparison of the measurements of several related species are given in Stehlik 1965.

|                                             |                    |                                  |
|---------------------------------------------|--------------------|----------------------------------|
| <i>Neodindymus schoutedeni</i> Stehlik 1965 | Stehlik 1965a: 233 | <b>description, illustration</b> |
|---------------------------------------------|--------------------|----------------------------------|

***Neodindymus sjostedti*** (Schouteden 1910)

Type depository: Stockholm, Naturhistoriska Riksmuseum  
 Country of origin of type: Tanzania  
 Distribution: Kenya; Rwanda; Tanzania  
 Measurements: average length of male 10.8 mm (2), of female 13.4 mm (3)

|                                           |                      |                     |
|-------------------------------------------|----------------------|---------------------|
| <i>Cenaeus sjostedti</i> Schouteden 1910  | Schouteden 1910: 152 | <b>description</b>  |
| <i>Cenaeus sjostedti</i> Schout.          | Bergroth 1913a: 171  |                     |
| <i>Cenaeus sjostedti</i> Schouteden       | Hussey 1929: 68      | <b>illustration</b> |
| <i>Cenaeus sjostedti</i> Schouteden       | Schouteden 1957: 265 |                     |
| <i>Neodindymus sjostedti</i> (Schouteden) | Stehlik 1965a: 228   |                     |

***Neodindymus tenebrosus*** (Blöte 1933)

Type depository: London, Natural History Museum  
 Country of origin of type: Tanzania  
 Distribution: Tanzania  
 Measurements: length of male 12.5 mm (ex. lit.)

|                                       |                    |
|---------------------------------------|--------------------|
| <i>Dindymus tenebrosus</i> Blöte 1933 | Blöte 1933b: 593   |
| <i>Dindymus tenebrosus</i> (Blöte)    | Stehlik 1965a: 228 |

***Neodindymus elegans*** Linnavuori 1988

Type depository: In the collection of R.E. Linnavuori, Raisio, Finland  
 Country of origin of type: Nigeria

Distribution: Nigeria

Illustrations: in Linnavuori 1988

Measurements: length 14.5 mm (ex. Lit.)

*Neodindymus elegans* Linnavuori 1988

Linnavuori 1988: 15

**CENAEUS** Stål 186

Type species: *Cenaeus carnifex* (Fabricius 1775). Designated as lagotype by Hussey 1929

Country of origin of type species: South Africa

Type depository: not known

Synonyms: *Obstetrixella* Schmidt 1932

Illustrations: see *Cenaeus abortivus* Gerstäcker 1873; *Cenaeus basilewskyi* Stehlik 1965; *Cenaeus carnifex* (Fabricius 1775); *Cenaeus semiflavus* Distant 1902

*Cenaeus* Stål 1861

Stål 1861: 196

**description**

*Cenaeus* Stål

Stål 1866: 3

**description**

*Cenaeus* Stål

Stål 1870: 102

*Cenaeus* Stål

Walker 1872: 164

*Cenaeus* Stål

Lethierry and Severin 1894: 248

*Cenaeus* Stål

Hussey 1929: 65

*Cenaeus* Stål

Schmidt 1932: 254

*Obstetrixella* Schmidt 1932

Schmidt 1932: 256

(syn. Stehlik 1965)

*Cenaeus* Stål

Stehlik 1965a: 216.

**description**

***Cenaeus abortivus*** Gerstäcker 1873.

Type depository: not known

Country of origin of type: Kenya

Distribution: Ethiopia; Kenya; Rwanda; Tanzania

Synonyms: *Obstetrixella abortiva* Schmidt 1932

Measurements: average length, male 7.8 mm (4), female 8.8 mm (12)

*Cenaeus abortivus* Gerstäcker 1873

Gerstäcker 1873: 413

**description, illustration**

*Cenaeus abortivus* Gerstäcker

Lethierry and Severin 1894: 248

*Cenaeus abortivus* Gerstaecker

Schouteden 1910: 152

*Cenaeus abortivus* Gerstäcker

Hussey 1929: 65

*Cenaeus abortivus* Gerstäcker

Schmidt 1932: 255

**description**

*Obstetrixella abortivus* Gerstäcker

Schouteden 1957: 266

*Cenaeus abortivus* Gerst.

Mancini 1961: 31

*Cenaeus abortivus* Gerstäcker

Stehlik 1965a: 218

***Cenaeus annulifer*** Bergroth 1912

Type depository: not known

Country of origin of type: Guinea

Distribution: Congo(Brazzaville); Guinea; Ivory Coast

Measurements: length 12 mm (female). (ex. Lit.)

*Cenaeus annulifer* Bergroth 1912

Bergroth 1912a: 314

**description**

*Cenaeus annulifer* Bergroth

Bergroth 1913a: 171

*Cenaeus annulifer* Bergroth

Hussey 1929: 65

*Cenaeus annulifer* Bergroth

Stehlik 1965a: 225

*Cenaeus annulifer* Bergroth

Villiers 1967: 373

### ***Cenaeus basilewskyi* Stehlik 1965**

Type depository: Tervuren, Musee Royal de l’Afrique Centrale  
Country of origin of type: Tanzania  
Distribution: Sudan; Tanzania  
Measurements: Detailed measurements are given in Stehlik 1965.

|                                         |                    |                                  |
|-----------------------------------------|--------------------|----------------------------------|
| <i>Cenaeus basilewskyi</i> Stehlik 1965 | Stehlik 1965a: 218 | <b>description, illustration</b> |
| <i>Cenaeus basilewskyi</i> Stlk.        | Linnavuori 1978: 8 |                                  |

### ***Cenaeus bifasciatus* Haglund 1895**

Type depository: Stockholm, Naturhistoriska Riksmuseum  
Country of origin of type: Cameroon  
Distribution: Cameroon; Congo (Brazzaville); Fernando Poo; Gabon  
Measurements : length 12 mm; width 4.5 mm. (Female). (ex. Lit.)

|                                         |                     |                    |
|-----------------------------------------|---------------------|--------------------|
| <i>Cenaeus bifasciatus</i> Haglund 1895 | Haglund 1895: 465   | <b>description</b> |
| <i>Cenaeus bifasciatus</i> Haglund      | Bergroth 1913a: 171 |                    |
| <i>Cenaeus bifasciatus</i> Haglund      | Hussey 1929: 66     |                    |
| <i>Cenaeus bifasciatus</i> Haglund      | Schmidt 1932: 255   |                    |
| <i>Cenaeus bifasciatus</i> Hagl.        | Stehlik 1965a: 225  |                    |
| <i>Cenaeus bifasciatus</i> Haglund      | Villiers 1967: 373  |                    |

### ***Cenaeus carnifex* (Fabricius 1775)**

Type depository: not known  
Country of origin of type: South Africa  
Distribution: South Africa (other countries in the literature are stated by Hussey 1929 to be in error)  
Synonyms: *Cimex capensis-ruber* De Geer 1778, *Lygaeus immaculatus* Thunberg 1822, *Pyrrhocoris scutellaris* Hahn 1834, *Pyrrhocoris sanguineus* Fieber 1861  
Measurements : length 7.5-10 mm, width 4 mm (ex. lit.)

|                                           |                            |                                                          |
|-------------------------------------------|----------------------------|----------------------------------------------------------|
| <i>Cimex carnifex</i> Fabricius 1775      | Fabricius 1775: 721        | <b>description</b>                                       |
| <i>Cimex carnifex</i> Fabric.             | Goeze 1778: 258            |                                                          |
| <i>Cimex capensis ruber</i>               | De Geer 1778: 619          | <b>description, illustration, (syn. Burmeister 1835)</b> |
| <i>Cimex carnifex</i>                     | Fabricius 1781: 366        |                                                          |
| <i>Cimex capensis ruber</i>               | Retzius 1783: 85           |                                                          |
| <i>Cimex carnifex</i>                     | Fabricius 1787: 301        |                                                          |
| <i>Cimex carnifex</i>                     | Gmelin 1788: 2174          |                                                          |
| <i>Cimex carnifex</i>                     | Fabricius 1794: 160        |                                                          |
| <i>Lygaeus carnifex</i> Fabr.             | Fabricius 1803: 226        |                                                          |
| <i>Lygaeus carnifex</i> Fabric.           | Thunberg 1822: 1           | <b>description</b>                                       |
| <i>Lygaeus immaculatus</i> Thunberg 1822  | Thunberg 1822: 1           | (syn. Stål 1855)                                         |
| <i>Pyrrhocoris scutellaris</i> Hahn 1834  | Hahn 1834: 118             | <b>description</b> (syn. Blanchard 1840)                 |
| <i>Pyrrhocoris carnifex</i> Fabr.         | Burmeister 1835: 286       |                                                          |
| <i>Astemma carnifex</i> Blanchard 1840    | Blanchard 1840: 129        | <b>description</b>                                       |
| <i>Dysdercus carnifex</i>                 | Herrich-Schaffer 1850: 177 |                                                          |
| <i>Lygaeus immaculatus</i> Thunberg       | Stål 1855: 347             |                                                          |
| <i>Dysdercus carnifex</i> Fab.            | Uhler 1861: 229            |                                                          |
| <i>Pyrrhocoris sanguineus</i> Fieber 1861 | Fieber 1861: 162           | <b>description</b> (syn. Stål 1870)                      |
| <i>Pyrrhocoris carnifex</i> F.            | Stål 1861: 196             |                                                          |
| <i>Cenaeus carnifex</i> Fabr.             | Stål 1866: 9               | <b>description</b>                                       |
| <i>Cenaeus carnifex</i> Fabr.             | Stål 1866: 255             |                                                          |
| <i>Cenaeus carnifex</i> Fabr.             | Mayr 1868: 134             |                                                          |



|                                     |                                 |                     |
|-------------------------------------|---------------------------------|---------------------|
| <i>Cenaeus carnifex</i> Fabr.       | Stål 1870: 114                  |                     |
| <i>Pyrrhocoris carnifex</i> Fabr.   | Walker 1872: 168                |                     |
| <i>Cenaeus carnifex</i> Fabricius   | Lethierry and Severin 1894: 248 |                     |
| <i>Cenaeus carnifex</i> Fabricius   | Hussey 1929: 66                 |                     |
| <i>Cenaeus carnifex</i> F.          | Blöte 1931: 115                 |                     |
| <i>Cenaeus carnifex</i> Fabricius   | Schmidt 1932: 254               |                     |
| <i>Cenaeus carnifex</i> (Fabricius) | Stehlik 1965a: 218              | <b>illustration</b> |

***Cenaeus dimidiaticeps* Bergroth 1894**

Type depository: not known.  
 Country of origin of type: Cameroon.  
 Distribution: Cameroon; Congo (Brazzaville); Democratic Republic of Congo; Gabon.  
 Measurements: length 12-12.3 mm. (ex. Lit.)

|                                            |                     |                    |
|--------------------------------------------|---------------------|--------------------|
| <i>Cenaeus dimidiaticeps</i> Bergroth 1894 | Bergroth 1894b: 539 | <b>description</b> |
| <i>Cenaeus dimidiaticeps</i> Bergroth      | Bergroth 1913a: 171 |                    |
| <i>Cenaeus dimidiaticeps</i> Bergroth      | Hussey 1929: 66     |                    |
| <i>Cenaeus dimidiaticeps</i> Bergroth      | Schmidt 1932: 255   | <b>description</b> |
| <i>Cenaeus dimidiaticeps</i> Bergroth      | Stehlik 1965a: 225  |                    |
| <i>Cenaeus dimidiaticeps</i> Bergroth      | Villiers 1967: 373  |                    |

***Cenaeus longulus* Bergroth 1894**

Type depository: not known  
 Country of origin of type: Gabon  
 Distribution: Gabon  
 Measurements : length 14 mm (female) (ex. Lit).

|                                       |                     |                    |
|---------------------------------------|---------------------|--------------------|
| <i>Cenaeus longulus</i> Bergroth 1894 | Bergroth 1894b: 540 | <b>description</b> |
| <i>Cenaeus longulus</i> Bergroth      | Bergroth 1913a: 171 |                    |
| <i>Cenaeus longulus</i> Bergroth      | Hussey 1929: 67     |                    |
| <i>Cenaeus longulus</i> Bergroth      | Stehlik 1965a: 225  |                    |

***Cenaeus pectoralis* (Stål 1855)**

Type depository: not known.  
 Country of origin of type: Republic of South Africa  
 Distribution: Ethiopia; Mozambique; South Africa  
 Measurements: length, male 7.8 mm (1), female 8.7 mm (1)

|                                         |                                 |                    |
|-----------------------------------------|---------------------------------|--------------------|
| <i>Pyrrhocoris pectoralis</i> Stål 1855 | Stål 1855a: 36                  | <b>description</b> |
| <i>Cenaeus pectoralis</i> Stål          | Stål 1861: 196                  |                    |
| <i>Cenaeus pectoralis</i> Stål          | Stål 1866: 9                    | <b>description</b> |
| <i>Cenaeus pectoralis</i> Stål          | Stål 1870: 114                  |                    |
| <i>Pyrrhocoris pectoralis</i> Stål      | Walker 1872: 170                |                    |
| <i>Cenaeus pectoralis</i> Stål          | Lethierry and Severin 1894: 248 |                    |
| <i>Cenaeus pectoralis</i> Stål          | Montandon 1899: 218             |                    |
| <i>Cenaeus pectoralis</i> Stål          | Courteaux 1922: 285             |                    |
| <i>Cenaeus pectoralis</i> (Stål)        | Hussey 1929: 67                 |                    |
| <i>Cenaeus pectoralis</i> Stål          | Schmidt 1932: 255               |                    |
| <i>Cenaeus pectoralis</i> (Stål)        | Stehlik 1965a: 218              |                    |

### *Cenaeus semiflavus* Distant 1902

Type depository: London, Natural History Museum

Country of origin of type: Uganda

Distribution: Democratic Republic of Congo; Rwanda; Uganda

Measurements: average length male 7.2 mm (2), female 9.3 mm (3)

|                                        |                      |                                  |
|----------------------------------------|----------------------|----------------------------------|
| <i>Cenaeus semiflavus</i> Distant 1902 | Distant 1902b: 41    | <b>description, illustration</b> |
| <i>Cenaeus semiflavus</i> Dist.        | Distant 1909: 79     |                                  |
| <i>Cenaeus semiflavus</i> Dist.        | Bergroth 1913a: 171  |                                  |
| <i>Cenaeus semiflavus</i> Distant      | Hussey 1929: 67      |                                  |
| <i>Cenaeus semiflavus</i> Distant      | Schouteden 1957: 264 |                                  |
| <i>Cenaeus semiflavus</i> Distant      | Stehlik 1965a: 218   |                                  |

### *Cenaeus suspectus* Schouteden 1957

Type depository: Tervuren, Musee Royal de l’Afrique Centrale

Country of origin of type: Democratic Republic of Congo

Distribution: Democratic Republic of Congo

Measurements : length 11.5-12.5 mm. (ex. Lit.)

|                                          |                      |                    |
|------------------------------------------|----------------------|--------------------|
| <i>Cenaeus suspectus</i> Schouteden 1957 | Schouteden 1957: 265 | <b>description</b> |
| <i>Cenaeus suspectus</i> Schout.         | Stehlik 1965a: 225   |                    |

### **DERMATINUS** Stål 1853

Hussey (1929) listed ten species in the genus *Dermatinus* Stål 1853, two from India and the rest from the Ethiopian Region. However, when Stehlik (1965) re-examined specimens he came to the conclusion that many of the species were not congeneric with *Dermatinus* Stål 1853. He indicated that further revision was needed and that “with certainty” he only accepted *Dermatinus limbifer* Stål 1855 and *Dermatinus lugens* Stål 1854 as correctly placed in the genus *Dermatinus*. Since then *Dermatinus apicalis* Reuter 1881 has been transferred to *Aderrhis* by Linnavuori (1988). As matters stand at present, pending further revision, there are four species of the genus *Dermatinus* in the Ethiopian Region.

Type species: *Dermatinus lugens* (Fabricius). Quoted as a monotype by Hussey 1929, because when Stål named the genus in 1853 he did not name a type species. The type species was then named in the 1854 paper.

Country of origin of type species: South Africa.

Type depository: not known

|                             |                                 |                    |
|-----------------------------|---------------------------------|--------------------|
| <i>Dermatinus</i> Stål 1853 | Stål 1853: 260                  | <b>description</b> |
| <i>Dermatinus</i> Stål      | Stål 1854: 236                  |                    |
| <i>Dermatinus</i> Stål      | Stål 1855a: 36                  | <b>description</b> |
| <i>Dermatinus</i> Stål      | Stål 1861: 196                  |                    |
| <i>Dermatinus</i> Stål      | Stål 1866: 4                    | <b>description</b> |
| <i>Dermatinus</i> Stål      | Stål 1870: 102                  |                    |
| <i>Pyrrhocoris</i> Fall.    | Walker 1872: 167                | <b>description</b> |
| <i>Dermatinus</i> Stål      | Lethierry and Severin 1894: 249 |                    |
| <i>Dermatinus</i> Stål      | Distant 1903: 115               |                    |
| <i>Dermatinus</i> Stål      | Hesse 1925: 86                  |                    |
| <i>Dermatinus</i> Stål      | Hussey 1929: 68                 |                    |
| <i>Dermatinus</i> Stål      | Schmidt 1932: 256               |                    |

### *Dermatinus aethiopicus* Lethierry 1883

Type depository: not known  
Country of origin of type: Ethiopia  
Distribution: Ethiopia  
Measurements : length 8 mm (ex. Lit.)

|                                              |                                 |                    |
|----------------------------------------------|---------------------------------|--------------------|
| <i>Dermatinus aethiopicus</i> Lethierry 1883 | Lethierry 1883: 749             | <b>description</b> |
| <i>Dermatinus aethiopicus</i> Lethierry      | Lethierry and Severin 1894: 249 |                    |
| <i>Dermatinus aethiopicus</i> Lethierry      | Hussey 1929: 68                 |                    |
| <i>Dermatinus aethiopicus</i> Leth.          | Mancini 1961: 31                |                    |

From the description of *Dermatinus aethiopicus* given by Lethierry 1883, it may well be conspecific with *Dermatinus limbifer*

### ***Dermatinus limbifer* Stål 1855**

Type depository: not known  
Country of origin of type: South Africa (Natal)  
Distribution: Democratic Republic of Congo; Mozambique; Namibia; South Africa.  
Measurements: average length, male 7.0 mm (1), female 8.2 mm (2)

|                                      |                                 |                    |
|--------------------------------------|---------------------------------|--------------------|
| <i>Dermatinus limbifer</i> Stål 1855 | Stål 1855a: 36                  | <b>description</b> |
| <i>Dermatinus limbifer</i> Stål      | Stål 1866: 12                   | <b>description</b> |
| <i>Dermatinus limbifer</i> Stål      | Stål 1870: 114                  |                    |
| <i>Pyrrhocoris limbifer</i> Stål     | Walker 1872: 170                |                    |
| <i>Dermatinus limbifer</i> Stål      | Wallengren 1875: 134            |                    |
| <i>Dermatinus limbifer</i> Stål      | Lethierry and Severin 1894: 249 |                    |
| <i>Dermatinus limbifer</i> Stål      | Montandon 1899: 218             |                    |
| <i>Dermatinus limbifer</i> Stål      | Distant 1903: 115               |                    |
| <i>Dermatinus limbifer</i> Stål      | Hesse 1925: 86                  |                    |
| <i>Dermatinus limbifer</i> Stål      | Hussey 1929: 68                 |                    |
| <i>Dermatinus limbifer</i> Stål      | Schmidt 1932: 256               |                    |
| <i>Dermatinus limbifer</i> Stål      | Schouteden 1957: 266            |                    |

### ***Dermatinus lugens* Stål 1854**

Type depository: not known  
Country of origin of type: South Africa  
Distribution: South Africa  
Measurements : length 6-7 mm, width 2.5-3.5 mm (ex. Lit.)

|                                    |                                 |                    |
|------------------------------------|---------------------------------|--------------------|
| <i>Dermatinus lugens</i> Stål 1854 | Stål 1854: 236                  | <b>description</b> |
| <i>Pyrrhocoris lugens</i> Stål     | Stål 1860: 253                  | <b>description</b> |
| <i>Dermatinus lugens</i> Stål      | Stål 1866: 12                   | <b>description</b> |
| <i>Dermatinus lugens</i> Stål      | Stål 1870: 114                  |                    |
| <i>Pyrrhocoris lugens</i> Stål     | Walker 1872: 170                |                    |
| <i>Dermatinus lugens</i> Stål      | Lethierry and Severin 1894: 249 |                    |
| <i>Dermatinus lugens</i> Stål      | Hussey 1929: 69                 |                    |

### ***Dermatinus notatus* Wallengren 1875**

Type depository: University of Lund, Zoological Institute  
Country of origin of type: South Africa  
Distribution: South Africa  
Measurements : length 6-8 mm (ex. Lit.)

|                                           |                                 |                    |
|-------------------------------------------|---------------------------------|--------------------|
| <i>Dermatinus notatus</i> Wallengren 1875 | Wallengren 1875: 134            | <b>description</b> |
| <i>Dermatinus notatus</i> Wallengren      | Lethierry and Severin 1894: 249 |                    |
| <i>Dermatinus notatus</i> Wallengren      | Hussey 1929: 69                 |                    |
| <i>Aderrhis notata</i> (Wallengren)       | Stehlik 1966a: 325              |                    |

Stehlik 1965, without pursuing the matter, indicated that he considered *Dermatinus notatus* Wallengren 1875 to belong to *Aderrhis*.

#### **ADERRHIS** Bergroth 1906

Type species: *Aderrhis pulla* Bergroth 1906

Country of origin of type species: Zanzibar

Type depository: not known

Illustrations: see *Aderrhis flavipes* Stehlik 1966, *Aderrhis hirsuta* Stehlik 1966, *Aderrhis minuta* Stehlik 1966, *Aderrhis pulla* Bergroth 1906, *Aderrhis schultzi* (Schouteden 1910), *Aderrhis thoracica* Stehlik 1965, *Aderrhis apicalis* (Reuter 1881)

|                               |                     |                    |
|-------------------------------|---------------------|--------------------|
| <i>Adherris</i> Bergroth 1906 | Bergroth 1906: 199  | <b>description</b> |
| <i>Aderrhis</i> Bergroth      | Bergroth 1906: 251  |                    |
| <i>Aderrhis</i> Bergroth      | Bergroth 1913a: 171 |                    |
| <i>Aderrhis</i> Bergroth      | Hesse 1925: 87      |                    |
| <i>Aderrhis</i> Bergroth      | Hussey 1929: 69     |                    |
| <i>Aderrhis</i> Bergroth      | Schmidt 1932: 257   |                    |
| <i>Aderrhis</i> Bergroth      | Stehlik 1965a: 241  | <b>description</b> |
| <i>Aderrhis</i> Bergroth      | Stehlik 1966a: 321  | <b>description</b> |

#### **Aderrhis africana** (Courteaux 1907)

Type depository: Paris, Museum de Histoire Naturelle

Country of origin of type: Ethiopia

Distribution: Ethiopia; Kenya; Uganda

Measurements: average length male 5.9 mm (3), female 8.1 mm (3)

|                                              |                     |                    |
|----------------------------------------------|---------------------|--------------------|
| <i>Dermatinus aethiopicus</i> Courteaux 1907 | Courteaux 1907: 330 | <b>description</b> |
| <i>Dermatinus africanus</i> Courteaux 1908   | Courteaux 1908: 192 |                    |
| <i>Aderrhis aethiopica</i> Court.            | Bergroth 1912a: 316 |                    |
| <i>Aderrhis aethiopica</i> Court.            | Bergroth 1913a: 171 |                    |
| <i>Dermatinus africanus</i> Courteaux        | Courteaux 1922: 385 | <b>description</b> |
| <i>Aderrhis africana</i> Courteaux           | Hussey 1929: 69     |                    |

#### **Aderrhis apicalis** (Reuter 1882)

Type depository: not known.

Country of origin of type: Ghana

Distribution: Ghana

Measurements: length 7.5 mm. (male) (ex. Lit.)

|                                        |                                 |                    |
|----------------------------------------|---------------------------------|--------------------|
| <i>Dermatinus apicalis</i> Reuter 1882 | Reuter 1882: 28                 | <b>description</b> |
| <i>Dermatinus apicalis</i> Reuter      | Lethierry and Severin 1894: 249 |                    |
| <i>Dermatinus apicalis</i> Reuter      | Hussey 1929: 68                 |                    |
| <i>Aderrhis apicalis</i> Reuter        | Stehlik 1966a: 327              |                    |
| <i>Aderrhis apicalis</i> Reuter        | Linnavuori 1988: 16             |                    |

#### **Aderrhis flavipes** Stehlik 1966

Type depository: Brno, Department of Entomology, Moravian Museum

Country of origin of type: Uganda

Distribution: Uganda

Measurements : Detailed measurements are given in Stehlik 1966.

*Aderrhis flavipes* Stehlik 1966

Stehlik 1966a: 321

**description, illustration**

*Aderrhis flavipes* Stlk.

Linnavuori 1978: 8

*Aderrhis flavipes* Stehlik

Linnavuori 1988: 16

**illustration**

***Aderrhis hirsuta*** Stehlik 1966

Type depository: Tervuren, Musee Royal de l’Afrique Centrale

Country of origin of type: Senegal

Distribution: Senegal

Measurements: Detailed measurements are given in Stehlik 1966.

*Aderrhis hirsuta* Stehlik 1966

Stehlik 1966a: 325

**description, illustration**

***Aderrhis minuta*** Stehlik 1966

Type depository: Brno, Department of Entomology, Moravian Museum

Country of origin of type: South Africa.

Distribution: South Africa.

Measurements : Detailed measurements are given in Stehlik 1966.

*Aderrhis minuta* Stehlik 1966

Stehlik 1966a: 323

**description, illustration**

***Aderrhis pulla*** Bergroth 1906

Type depository: not known

Country of origin of type: Zanzibar (Pemba Is.)

Distribution: Namibia; South Africa; Zanzibar.

Measurements: length 5-5.5 mm (male) (ex. Lit.)

*Aderrhis pulla* Bergroth 1906

Bergroth 1906: 200

**description, illustration**

*Aderrhis pulla* Bergroth

Bergroth 1913a: 171

*Aderrhis pulla* Bergr.

Hesse 1925: 87

**illustration**

*Aderrhis pulla* Bergroth

Hussey 1929: 70

***Aderrhis schulzi*** (Schouteden 1910)

Type depository: Tervuren, Musee Royal de l’Afrique Centrale

Country of origin of type: Tanzania

Distribution: Tanzania; Kenya.

Synonyms: *Dermatinus distinctus* Schouteden 1910.

Measurements: Detailed measurements are given in Stehlik 1965.

*Dermatinus schulzi* Schouteden 1910

Schouteden 1910: 153

**description**

*Dermatinus distinctus* Schouteden 1910

Schouteden 1910: 153

(syn. Stehlik 1965)

*Dermatinus distinctus* Schout.

Bergroth 1913a: 171

*Dermatinus schulzi* Schout.

Bergroth 1913a: 171

*Dermatinus distinctus* Schouteden

Hussey 1929: 68

*Dermatinus schulzi* Schouteden

Hussey 1929: 69

***Aderrhis schulzi*** (Schouteden)

Stehlik 1965a: 241

**description, illustration**

### ***Aderrhis tartarea* (Stål 1855)**

Type depository: Stockholm, Naturhistoriska Riksmuseum

Country of origin of type: South Africa (Natal)

Distribution: Democratic Republic of Congo; Ethiopia; Namibia; South Africa; Tanzania

Synonyms: *Pyrrhocris truncatipennis* Fallou 1891

Measurements: length 7-8 mm, width 3 mm (male) (ex. Lit.)

|                                              |                                 |                                         |
|----------------------------------------------|---------------------------------|-----------------------------------------|
| <i>Dermatinus tartarea</i> Stål 1855         | Stål 1855a: 36                  | <b>description</b>                      |
| <i>Dermatinus tartareus</i> Stål             | Stål 1866: 12                   |                                         |
| <i>Dermatinus tartareus</i> Stål             | Stål 1870: 114                  |                                         |
| <i>Pyrrhocris tartareus</i> Stål             | Walker 1872: 170                |                                         |
| <i>Pyrrhocris truncatipennis</i> Fallou 1891 | Fallou 1891: 8                  | <b>description</b> (syn. Bergroth 1892) |
| <i>Dermatinus tartareus</i> Stål             | Bergroth 1892: 262              |                                         |
| <i>Dermatinus tartareus</i> Stål             | Lethierry and Severin 1894: 249 |                                         |
| <i>Dermatinus tartareus</i> Stål             | Courteaux 1922: 285             |                                         |
| <i>Dermatinus tartareus</i> Stål             | Hesse 1925: 86                  | <b>description, illustration</b>        |
| <i>Dermatinus tartareus</i> Stål             | Hussey 1929: 69                 |                                         |
| <i>Dermatinus tartareus</i> Stål             | Schmidt 1932: 256               |                                         |
| <i>Dermatinus tartareus</i> Stål             | Schouteden 1957: 266            |                                         |
| <i>Aderrhis tartareus</i> (Stål)             | Stehlik 1965a: 245              | <b>description</b>                      |

### ***Aderrhis thoracica* Stehlik 1965**

Type depository: Tervuren, Musee Royal de l'Afrique Centrale

Country of origin of type: Tanzania

Distribution: Kenya; Tanzania

Synonyms: *Dermatinus tartareus* Schouteden 1910

Measurements: Detailed measurements are given in Stehlik 1965

|                                        |                                          |                                  |
|----------------------------------------|------------------------------------------|----------------------------------|
| <i>Dermatinus tartareus</i> Stål 1855  | Schouteden 1910: 153 (syn. Stehlik 1965) |                                  |
| <i>Dermatinus tartareus</i> Schouteden | Hussey 1929: 69                          |                                  |
| <i>Aderrhis thoracica</i> Stehlik 1965 | Stehlik 1965a: 243                       | <b>description, illustration</b> |

### ***SCANTIUS* Stål 1866**

Hussey (1929) listed thirteen species in this genus, six from Asia, one from Madagascar, one from North Africa, and six from the Ethiopian Region. Stehlik (1965) examined many specimens from different sources and synonymised *Scantius abyssinicus* Bolivar 1879 with *Scantius forsteri* (Fabricius 1781). He also gave strong reasons for synonymising *Scantius volucris* (Gerstäcker 1873) with *Scantius forsteri* (Fabricius 1781) but it has been retained as a separate species in this paper. Here, therefore, pending further revision, five species of the genus *Scantius* are recognised in the Ethiopian Region.

The members of the genus cover almost the whole of the Ethiopian Region and *Scantius forsteri* spreads into North Africa the Middle East. There are considerable differences in morphology and color over the whole range, and this is discussed in some detail by Stehlik (1965) in respect to *Scantius forsteri*.

Type species: *Scantius forsteri* (Fabricius 1781). Quoted as a Lagotype by Hussey 1929.

Country of origin of type species: South Africa.

Type depository: not known.

Illustrations: see *Scantius caraboides* Bergroth 1920, *Scantius forsteri* (Fabricius 1781), *Scantius volucris* (Gerstäcker 1873).

|                           |                                 |                    |
|---------------------------|---------------------------------|--------------------|
| <i>Scantius</i> Stål 1866 | Stål 1866: 3                    | <b>description</b> |
| <i>Scantius</i> Stål      | Stål 1870: 102                  | <b>description</b> |
| <i>Pyrrhocris</i> Fall.   | Walker 1872: 167                |                    |
| <i>Scantius</i> Stål      | Reuter 1885: 230                | <b>description</b> |
| <i>Scantius</i> Stål      | Lethierry and Severin 1894: 251 |                    |



|                      |                    |                    |
|----------------------|--------------------|--------------------|
| <i>Scantius</i> Stål | Distant 1903: 117  | <b>description</b> |
| <i>Scantius</i> Stål | Hesse 1925: 87     |                    |
| <i>Scantius</i> Stål | Hussey 1929: 80    |                    |
| <i>Scantius</i> Stål | Schmidt 1932: 259  |                    |
| <i>Scantius</i> Stål | Stehlik 1965a: 246 |                    |

***Scantius aethiopicus*** (Distant 1919)

Type depository: London, Natural History Museum  
 Country of origin of type: Cameroon  
 Distribution: Cameroon; Gambia  
 Measurements: length 7 - 8 mm (ex. Lit.)

|                                             |                   |                    |
|---------------------------------------------|-------------------|--------------------|
| <i>Delacampius aethiopicus</i> Distant 1919 | Distant 1919: 220 | <b>description</b> |
| <i>Scantius aethiopicus</i> Dist.           | Blöte 1931: 116   |                    |

***Scantius caraboides*** Bergroth 1920

Type depository: Stockholm, Naturhistoriska Riksmuseum.  
 Country of origin of type: Kenya.  
 Distribution: Ethiopia; Kenya; Tanzania.  
 Measurements: average length male 7.3 mm (4)

|                                          |                     |                                  |
|------------------------------------------|---------------------|----------------------------------|
| <i>Scantius caraboides</i> Bergroth 1920 | Bergroth 1920: 3    | <b>description</b>               |
| <i>Scantius caraboides</i> Bergroth      | Hussey 1929: 82     |                                  |
| <i>Scantius caraboides</i> Bergr.        | Mancini 1954: 166   |                                  |
| <i>Scantius caraboides</i> Bergroth      | Stehlik 1965a: 248  | <b>description, illustration</b> |
| <i>Scantius caraboides</i> Bergroth      | Linnavuori 1982: 14 |                                  |

***Scantius circumcinctus*** (Lethierry 1883)

Type depository: not known  
 Country of origin of type: Ethiopia  
 Distribution: Congo (Brazzaville); Ethiopia; Zambia  
 Synonyms: *Delacampius rhodesianus* Distant 1919  
 Measurements: average length, male 8.2 mm (4), female 7.5 mm (4)

|                                                |                                 |                                      |
|------------------------------------------------|---------------------------------|--------------------------------------|
| <i>Pyrrhocris circumcinctus</i> Lethierry 1883 | Lethierry 1883: 747             | <b>description</b>                   |
| <i>Scantius circumcinctus</i> Lethierry        | Lethierry and Severin 1894: 251 |                                      |
| <i>Scantius circumcinctus</i> Leth.            | Bergroth 1906: 371              | <b>description</b>                   |
| <i>Delacampius rhodesianus</i> Distant 1919    | Distant 1919: 220               | <b>description</b> (syn. Blöte 1931) |
| <i>Scantius circumcinctus</i> (Lethierry)      | Hussey 1929: 82                 |                                      |
| <i>Scantius rhodesianus</i> (Distant)          | Blöte 1931: 117                 |                                      |
| <i>Scantius circumcinctus</i> Leth.            | Blöte 1933b: 599                | <b>description</b>                   |
| <i>Sicnatus circumcinctus</i> (Lethierry)      | Linnavuori 1988: 17             |                                      |

***Scantius forsteri*** (Fabricius 1781)

Type depository: not known  
 Country of origin of type: South Africa  
 Distribution: Angola; Congo (Brazzaville); Democratic Republic of Congo; Eritrea; Ethiopia; Kenya; Mali; Mozambique; Namibia; Senegal; Sierra Leone; Somalia; South Africa; Tanzania; Zanzibar  
 Synonyms: *Cimex clavimanus* Fabricius 1781, *Cimex deustus* Thunberg 1784, *Dermatinus centralis* Signoret 1861, *Scantius abyssinicus*

Bolivar 1879

Measurements: average length, male 7.7 mm (25), female 7.9 mm (25)

|                                              |                                 |                                        |
|----------------------------------------------|---------------------------------|----------------------------------------|
| <i>Cimex forsteri</i> Fabricius 1781         | Fabricius 1781: 368             | <b>description</b>                     |
| <i>Cimex clavimanus</i> Fabricius 1781       | Fabricius 1781: 368             | (syn. Stål 1862)                       |
| <i>Cimex deustus</i> Thunberg 1784           | Thunberg 1784: 58               | <b>description</b> (syn. Stål 1855)    |
| <i>Cimex forsteri</i> Fabricius              | Fabricius 1787: 302             |                                        |
| <i>Cimex clavimanus</i> Fabricius            | Fabricius 1787: 302             |                                        |
| <i>Cimex deustus</i> Thunb.                  | Gmelin 1788: 2168               |                                        |
| <i>Cimex forsteri</i> Fabr.                  | Gmelin 1788: 2177               |                                        |
| <i>Lygaeus forsteri</i> Fabr.                | Fabricius 1794: 164             |                                        |
| <i>Lygaeus clavimanus</i> Fabr.              | Fabricius 1794: 165             |                                        |
| <i>Lygaeus forsteri</i> Fabricius            | Fabricius 1803: 230             |                                        |
| <i>Lygaeus clavimanus</i> Fabricius          | Fabricius 1803: 231             |                                        |
| <i>Lygaeus deustus</i> Thunberg              | Thunberg 1822: 3                |                                        |
| <i>Lygaeus forsteri</i> Fabr.                | Burmeister 1835: 286            |                                        |
| <i>Pyrrhocoris clavimanus</i> Fabricius      | Herrich-Schaffer 1847: 102      | <b>description</b>                     |
| <i>Pyrrhocoris forsteri</i> Fabricius        | Herrich-Schaffer 1847: 102      |                                        |
| <i>Scantius forsteri</i> Fabr.               | Stål 1855b: 346                 |                                        |
| <i>Pyrrhocoris forsteri</i> Fabr.            | Uhler 1861: 229                 |                                        |
| <i>Dermatinus centralis</i> Signoret 1861    | Signoret 1861: 952              | <b>description</b> (syn. Stål 1866)    |
| <i>Lygaeus forsteri</i> Fabr.                | Stål 1862: 500                  |                                        |
| <i>Pyrrhocoris forsteri</i> Herrich-Schaffer | Schaum 1862: 44                 |                                        |
| <i>Scantius forsteri</i> Fabr.               | Stål 1866: 10                   | <b>description</b>                     |
| <i>Pyrrhocoris deustus</i> Thunb.            | Mayr 1868: 135                  |                                        |
| <i>Scantius forsteri</i> Fabr.               | Stål 1870: 117                  |                                        |
| <i>Pyrrhocoris forsteri</i> Fabr.            | Walker 1872: 169                |                                        |
| <i>Scantius abyssinicus</i> Bolivar 1879     | Bolivar 1879: 142               | <b>description</b> (syn. Stehlik 1965) |
| <i>Pyrrhocoris forsteri</i> Fabr.            | Puton 1881: 4                   |                                        |
| <i>Scantius foersteri</i> Fabr.              | Lethierry 1883: 747             |                                        |
| <i>Scantius forsteri</i> Fabr.               | Reuter 1885: 231                |                                        |
| <i>Scantius forsteri</i> (Fabr.)             | Reuter 1888: 216                |                                        |
| <i>Scantius forsteri</i> Fabr.               | Bergroth 1893: 126              |                                        |
| <i>Scantius abyssinicus</i> Bolivar          | Lethierry and Severin 1894: 251 |                                        |
| <i>Scantius forsteri</i> Fabricius           | Lethierry and Severin 1894: 251 |                                        |
| <i>Scantius forsteri</i>                     | Montandon 1899: 219             |                                        |
| <i>Scantius abyssinicus</i> Bol.             | Schouteden 1905a: 10            | <b>description</b>                     |
| <i>Scantius forsteri</i> Fabr.               | Distant 1910: 98                | <b>description</b>                     |
| <i>Scantius abyssinicus</i> Bolivar          | Schouteden 1910: 153            |                                        |
| <i>Scantius foersteri</i> Fabricius          | Schouteden 1910: 153            |                                        |
| <i>Scantius forsteri</i> F.                  | Oshanin 1912: 26                |                                        |
| <i>Scantius forsteri</i> Fabr.               | Bergroth 1914: 5                |                                        |
| <i>Scantius forsteri</i> Fabr.               | Hesse 1925: 87                  |                                        |
| <i>Scantius abyssinicus</i> Bolivar          | Hussey 1929: 82                 |                                        |
| <i>Scantius forsteri</i> (Fabricius)         | Hussey 1929: 82                 |                                        |
| <i>Scantius abyssinicus</i> Bol.             | Blöte 1931: 116                 |                                        |
| <i>Scantius forsteri</i> F.                  | Blöte 1931: 116                 |                                        |
| <i>Scantius forsteri</i> Fabricius           | Schmidt 1932: 259               |                                        |
| <i>Scantius abyssinicus</i> Bolivar          | Schmidt 1932: 259               |                                        |
| <i>Scantius forsteri</i> Fabricius           | Villiers 1950a: 323             |                                        |
| <i>Scantius forsteri</i> Fabricius           | Villiers 1953: 299              |                                        |
| <i>Scantius forsteri</i> Fabricius           | Schouteden 1957: 267            |                                        |
| <i>Scantius forsteri</i> F.                  | Mancini 1961: 31                |                                        |
| <i>Scantius forsteri</i> (Fabricius)         | Stehlik 1965a: 246              | <b>description, illustration</b>       |
| <i>Scantius forsteri</i> Fabricius           | Villiers 1967: 374              |                                        |
| <i>Scantius forsteri</i> (F.)                | Linnavuori 1977: 61             |                                        |
| <i>Scantius forsteri</i> (F.)                | Linnavuori 1978: 8              |                                        |

|                                                   |                      |
|---------------------------------------------------|----------------------|
| <i>Scantius forsteri</i> (Fabricius 1781)         | Linnavuori 1982: 13  |
| <i>Scantius forsteri</i> (Fabricius 1781)         | Linnavuori 1986: 109 |
| <i>Scantius forsteri</i> (Fabricius)              | Linnavuori 1988: 17  |
| <b><i>Scantius volucris</i></b> (Gerstäcker 1873) |                      |

Type depository: not known

Country of origin of type: Kenya

Distribution: Angola; Ethiopia; Kenya; Tanzania; Uganda; Zambia

Measurements: length 7 - 9 mm, width 3.75 (ex. Lit.)

|                                             |                                 |                                  |
|---------------------------------------------|---------------------------------|----------------------------------|
| <i>Pyrrhocoris volucris</i> Gerstäcker 1873 | Gerstäcker 1873: 413            | <b>description</b>               |
| <i>Scantius volucris</i> Gerstäcker         | Lethierry and Severin 1894: 251 |                                  |
| <i>Scantius volucris</i> Gerst.             | Distant 1901: 590               |                                  |
| <i>Scantius volucris</i> Gerstäcker         | Distant 1903: 117               | <b>description, illustration</b> |
| <i>Scantius volucris</i> Gerst.             | Lefroy 1909: 326                |                                  |
| <i>Scantius volucris</i> Gerst.             | Distant 1910: 98                |                                  |
| <i>Scantius volucris</i> Gerstäcker         | Hussey 1929: 83                 |                                  |
| <i>Scantius volucris</i> Gerst.             | Blöte 1931: 117                 |                                  |
| <i>Scantius volucris</i> Gerst.             | Stehlik 1965a: 247              | <b>description</b>               |

## ***DYSDERCUS*** Guerin 1831

Subgenus ***Dysdercus*** Stehlik 1965

|                                        |                     |
|----------------------------------------|---------------------|
| <i>superstitiosus</i> (Fabricius 1775) |                     |
| (= <i>volkeri</i> Schmidt 1932)        | (syn. Freeman 1947) |
| <i>nigrofasciatus</i> Stål 1855        |                     |
| <i>melanoderes</i> Karsch 1892         |                     |
| <i>fasciatus</i> Signoret 1861         |                     |
| <i>cardinalis</i> Gerstäcker 1873      |                     |

Subgenus ***Neodysdercus*** Stehlik 1965

*intermedius* Distant 1902  
*orientalis* Schouteden 1910  
*pretiosus* Distant 1902  
*haemorrhoidalis* Signoret 1858

Subgenus ***Paradysdercus*** Stehlik 1965

*festivus* Gerstäcker 1892

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## **Editor's Note**

Paper copies of this article will be deposited in the following libraries. Senckenberg Library, Frankfurt Germany; National Museum of Natural History, Paris, France; Field Museum of Natural History, Chicago, Illinois USA; the University of Wisconsin, Madison, USA; the University of Arizona, Tucson, Arizona USA; Smithsonian Institution Libraries, Washington D.C. U.S.A.; The Linnean Society, London, England.

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