

PARC NATIONAL DE L'UPEMBA  
I. MISSION G. F. DE WITTE  
en collaboration avec  
W. ADAM, A. JANSSENS, L. VAN MEEL  
et R. VERHEYEN (1946-1949).  
Fascicule 59 (5)

NATIONAAL UPEMBA PARK  
I. ZENDING G. F. DE WITTE  
met medewerking van  
W. ADAM, A. JANSSENS, L. VAN MEEL  
en R. VERHEYEN (1946-1949).  
Aflevering 59 (5)

GENUS ZYRAS STEPHENS  
(COLEOPTERA POLYPHAGA)  
Subfam. ALEOCHARINAE

BY

Horace LAST (Banstead, Surrey)

The following list of species of *Zyras* were represented in material kindly sent by the Authorities of « Institut des Parcs Nationaux du Congo Belge » to whom I am indebted for the opportunity of making these studies.

The material contained twenty nine species of *Zyras* represented by the following subgenera :

*Acanthocnemedonia.*  
*Androdonia.*  
*Anophthalmodonia.*  
*Antronia.*  
*Blepharonia.*  
*Callodonia.*  
*Camonia.*  
*Ctenodonia.*

*Dentothalmonia.*  
*Glossacantha.*  
*Grammodonia.*  
*Homolodonia.*  
*Parophthalmonia.*  
*Trachydonia.*  
*Visendor.*

I have described four species which I consider to be new, the types are in the collection of the Institut des Parcs Nationaux du Congo Belge.

All specimens were taken by M. G. F. DE WITTE during his expedition in the « Parc National de l'Upemba ».

The localities between [ ] are without the Park's boundaries.

## LIST OF RECORDED SPECIES.

- Z. (Acanthocnemedonia) miricauda* BERNHAUER.  
Lusinga, 1.760 m, 19.III.1947 (1 spécimen).
- Z. (Androdonia) densior* BERNHAUER.  
Mabwe (lac. Upemba), 585 m, 19-21.VIII.1947.
- Z. (Androdonia) mirabilis* BERNHAUER.  
Lusinga, 1.760 m, 11-18.VII.1947 (1 spécimen).
- Z. (Visendor) marukana* CAMERON.  
Munoi bif. Lupiala, 890 m, 1-5.VI.1948 (1 ♂).
- Z. (Blepharonia) bangae* CAMERON.  
Lusinga, 1.760 m, 19-28.III.1947.
- Z. (Blepharonia) remotus* n. sp.  
Type ♂ : Lukawe, 700 m, 6-9.X.1947; paratype : Kaswabilenga, 700 m, 3-8.XI.1947.
- Z. (Blepharonia) sparsus* n. sp.  
Type ♀ : Lusinga, 1.760 m, 27-28.III.1947; paratypes : same locality, 19, 27, 28.III.1947.
- Z. (Callodonia) coronus* LAST.  
[ex. P.N.U. : Kenia, 1.700 m, 28.III.1947] (2 spécimens).
- Z. (Ctenodonia) usuriensis* BERNHAUER.  
Kaswabilenga (r. dr. Lufira), 700 m, 16-26.X.1947, also Lukawe (r. dr. Lufira), 700 m, 6-9.X.1947 (4 spécimens).
- Z. (Dentothalmonia) clementis* n. sp.  
Type ♀ : Muye, tête source, 1.630 m, 6.IV.1948
- Z. (Glossacantha) phaenominalis* BERNHAUER.  
1 ♂ : Lusinga, 1.760 m, 18.VII.1947; 1 ♂ : Kamitungulu, 1.700 m, 2.IV.1947 (above det. G. FAGEL).
- Z. (Grammodonia) capicola* PÉRINGUEY.  
Lukawe (affl. dr. Lufira), 700 m, 6-9.XI.1947; Lusinga, 1.760 m, 9.IV.1947, 19.III.1947 (3 spécimens).
- Z. (Grammodonia) fauvelianus* CAMERON (*biseriata* FAUVEL).  
Lusinga, 1.760 m, 19-28.III.1947 (4 ♂♂, 12 ♀♀).
- Z. (Grammodonia) ruficeps* CAMERON.  
Lusinga, 1.760 m, 12-17.XII.1947. Although CAMERON has placed this species in the sub-genus *Grammodonia*, the pronotum has no lateral depressions which is a character of this sub-genus.  
This species will eventually have to be removed.

- Z. (Grammodonia) holosus* n. sp.  
Type : Lusinga, 1.760 m, 28.III.1947.
- Z. (Parophthalmonia) diversicornis* LAST (Trans. ent. Soc. Lond., 110, 1958, part 12, p. 346).  
Paratype : Riv. Lupiala, 850 m, 24.X.1947.
- Z. (Parophthalmonia) impurus* LAST (Trans. ent. Soc. Lond., 110, 1958, part 12, p. 354).  
Type ♂ : Lusinga, 1.760 m, 28.XI.1947.
- Z. (Parophthalmonia) gregoryi* LAST.  
Kaswabilenga, 700 m, 3-4.XI.1947.
- Z. (Trachydonia) alboplagiatus* BERNHAUER.  
Lukawe (affl. dr. Lufira), 700 m, 30.IX.1947.
- Z. (Trachydonia) asperatus* BERNHAUER.  
Mukana, 1.810 m, 18.III.1948 (2 specimens).
- Z. (Trachydonia) incredibilis* BERNHAUER.  
Kaswabilenga, 700 m, 3-7.XI.1947.
- Z. (Trachydonia) propinquus* BERNHAUER.  
Lusinga, 1.760 m, 28.III.1947, 19.III.1947 (9 specimens).
- Z. (Trachydonia) sublucens* CAMERON.  
Lusinga, 1.760, 27-28.III.1947 [Kenia, 1.700 m, 28.III.1948] Kankunda, affl. g. Lupiala, 1.300 m, 16-24.XI.1947 (29 specimens).
- Z. (Trachydonia) incurvus* LAST.  
Lusinga, 1.760 m, 28.III-9.IV.1947; [Kenia, 1.700 m, 28.III.1947] (6 specimens).
- Z. (Antronia) compressus* n. sp. (in press).  
Type : Kaswabilenga, 700 m, 17.X.1947.
- Z. (Camonia) conifer* PÉRINGUEY var. *constrictatus* PÉRINGUEY.  
Kaswabilenga, r. dr. Lufira, 700 m, 8.XI.1947 (1 specimen).
- Z. (Camonia) rapax* LAST (in press).  
Type ♂ : Lusinga, 1.760 m, 27-28.III.1947; paratype ♂ : same data; paratype ♀ : [riv. Kenia, 1.700 m, 28.III.1948].
- Z. (Anophthalmodonia) artatus* LAST (in press).  
Paratype : Lusinga, 1.760 m, 27-28.III.1947.
- Z. (Homolodonia) kenyae* BERNHAUER.  
Lusinga, 1.760 m, 9.IV.1947 (1 specimen).

**Zyras (*Dentothalmonia*) clementis** n. sp.

Much smaller than either *ocellus* LAST or *probatas* LAST and further differs from both in having the head, pronotum, elytra and abdomen more densely punctured; there is no impunctate median area on the pronotum.

Head black, elytra and antennae (except three basal segments) dark red, otherwise brighter red.

Head transverse (3,25 : 2) shining without microsculpture, moderately punctured, a narrow impunctate median area and also between base of antennae; eyes rather small, their longitudinal diameter only fractionally more than half the length of temples, distinctly setose. Third segment of antennae two thirds the length of first, and a little longer than second, fourth segment quadrate, segments five to ten transverse, especially seven to ten twice as broad as long, last segment rather globose, as long as penultimate two together, all segments with longer setae from apical edges.

Pronotum slightly transverse (4 : 3,5) rather densely punctured, without microsculpture, broadest at middle, obscurely laterally sinuate towards posterior corners and with weak lateral setae, more convex at anterior margin, posterior corners distinct, a faint indication of a median impression, distinctly depressed opposite scutellum.

Elytra slightly transverse (4,5 : 4) broader at posterior margin, shining, without microsculpture, densely finely punctured, the punctures although rather small are umbilicate, finely setose; posterior margin obscurely sinuate, all margins narrowly bordered.

Abdomen finely rather densely and evenly punctured except seventh and eighth tergites, shining, without microsculpture with fine setae which are longer along apical edges of tergite with shallow lateral depressions not reaching apical margin; eighth tergite in female broadly rounded, corresponding sternite convex, narrow and slightly sinuate at apex. Legs strongly setose. Length 5,5 mm.

Type ♀ unique: Congo Belge: Muye, tête source, 1.630 m, 6.IV.1948 (Miss. G. F. DE WITTE, 1479 a).

**Zyras (*Blepharonia*) remotus** n. sp.

(Fig. 1.)

Of about the same size as *grandiceps* BERNHAUER but with eyes larger, more convex, antennae longer and much more robust. Puncturation of head, pronotum and elytra much less dense but much stronger. Larger than *bangae* CAMERON which is the type of the sub-genus, but it resembles this species in many respects. The antennae are more robust, with segments

four and five slightly elongate, six to ten quadrate (in *bangae* these are transverse); pronotum and elytra more strongly punctured and the conspicuous setae longer and denser. Sternites very convex with setae much longer and denser.

Reddish-yellow, head and apical tergites darker, antennae and legs lighter.

Head transverse (2 : 3,75) shining, without micro-sculpture, sparingly and shallowly punctured with erect setae from punctures; eyes large, convex, their longitudinal diameter five times the length of temples; between the facets the eyes have fine short setae, the temples with much stronger setae. First segment of antennae broader at apex where it is emarginate, second and third segments of equal length, but three-quarters the length of the first, segments four and five three-quarters the length of two previous, segments six to ten quadrate, last equal to the two penultimate, weakly acuminate; except the last, all segments are broader at the apex, all have distinct setae.

Pronotum transverse (3 : 4) a little broader than head, rather convex, broadest just below anterior angles which are rounded; lateral margins almost straight, very slightly sinuate, converging to posterior margin which is broadly rounded, posterior angles obtuse. Shining, without micro-sculpture, sparingly punctured and with a number of erect black setae, especially on lateral margins and posterior angles.

Elytra slightly transverse (3,75 : 4) at shoulders, (3,75 : 5) at posterior margin, broader than base of pronotum. Shining, without micro-sculpture, uniformly punctured, denser than on pronotum, with sub-erect setae which are smaller than those of pronotum, except for a few along lateral margins. Scutellum large; lateral margins narrowly bordered, more broadly along suture which is shorter than lateral margins.

Abdomen with sternites very convex, with confused stout setae tergites flattened, shining, without microsculpture, three to six with a central and apical transverse row of punctures bearing erect setae, seventh tergite more densely punctured. Legs slender, setose; there appears to be no secondary sexual characters.

Length 5 mm.

Type ♂ : Congo Belge : Lukawe, affl. dr. Lufira, 700 m, 6-9.X.1947 (Miss. G. F. DE WITTE 814 a).

Paratype ♀ : Congo Belge : Kaswabilenga, 700 m, 3-8.XI.1947 (Miss. G. F. DE WITTE 929 a).

**Zyras (Blepharonia) sparsus** n. sp.

(Fig. 2.)

Of the same size and build as *remotus* n. sp. but differs by the shorter antennae with segments four to ten transverse, rather similar to *bangae* CAMERON, the pronotum is impunctate, the outstanding setae are fewer and a little shorter, the elytra are longer, with more sparing and finer puncturation; the abdomen is similar to that of *bangae* CAMERON, it is shining, impunctate, except the seventh tergite which has a number of basal elongate punctures, the sixth tergite has a few very minute punctures.

Reddish-yellow; head, antennae except base, and elytra darker. Head transverse (3 : 2,75) shining, impunctate, but with one or two shallow depressions on vertex, glabrous; eyes convex as in *remotus* n. sp. but a little smaller, their longitudinal diameter four times the length of temples. First segment of antennae gradually broadened to the apex where it is emarginate, second segment half the length of the first, broader at apex; third segment as long as but more slender than second; segments four to ten twice as broad as long and each a little broader than the one previous, last segment almost as long as three penultimate and gradually acuminate; all segments with short setae from apical circumference.

Pronotum transverse (3,5 : 2,5) a little broader than head, moderately convex, shining, impunctate, lateral margins and anterior corners with erect black setae; broadest before middle but not as near anterior corners as in *remotus* n. sp. (figs. 1 & 2); posterior margin rounded and a little narrower than anterior margin, angle obtuse.

Elytra longer than broad (4 : 3,5) a little broader at posterior margin; shining but with a slight trace of transverse micro-sculpture. Suture shorter than lateral margins and narrowly bordered, scutellum visible. Abdomen parallel, shining, glabrous except for a few fine setae at apex of each tergite, impunctate except for a few minute punctures on the sixth and a greater number of elongate punctures on the base of the seventh tergite; sternites strongly convex, paratergites with short yellow pubescence.

Legs, especially tibiae, pubescent. Length 4,5-5 mm.

There appear to be no distinctive secondary sexual characters and the aedeagus is very similar to *remotus* n. sp.

Type ♀ : Congo Belge : Lusinga, 1.760 m, 27-28.III.1947 (Miss. G. F. DE WITTE, 109 a).

Paratypes (6) : locality as above 19,27,28.III.1947 (Miss. G. F. DE WITTE, 109 a, 126 a, 127 a).

**Zyras (Grammodonia) holosus** n. sp.

(Fig. 3.)

Very similar to *Z. (Grammodonia) rutshuruensis* CAMERON but the antennae are shorter, the segments are more strongly narrowed at the base, the eyes are slightly smaller leaving distinct temples, the head is not as

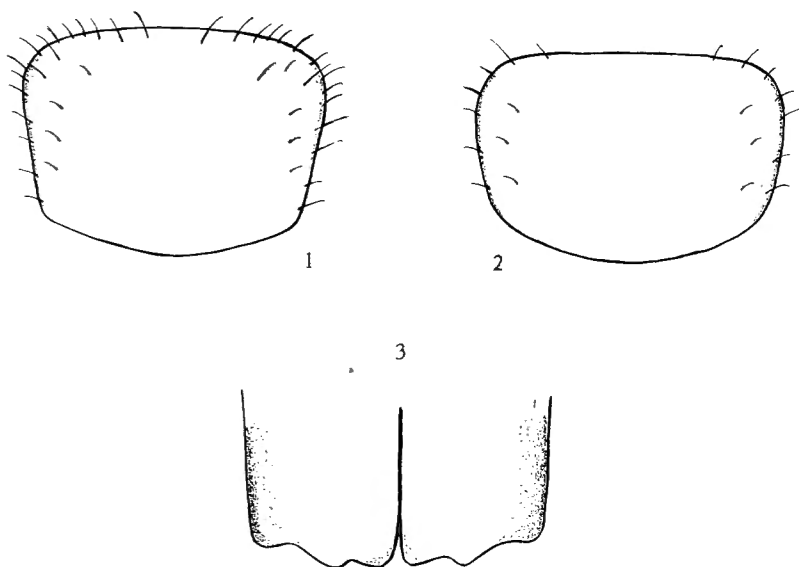


FIG. 1. — *Zyras (Blepharonia) remotus* n. sp.,  
outline of pronotum.

FIG. 2. — *Zyras (Blepharonia) sparsus* n. sp.,  
outline of pronotum.

FIG. 3. — *Zyras (Grammodonia) holosus* n. sp.,  
posterior margin of elytra.

broad as the pronotum. In *rutshuruensis* the eyes occupy the entire side of the head which is as broad as the pronotum. Both the pronotum and the elytra are more asperately punctured, the pronotum is finely granulate with micro-sculpture visible between. Dull yellow; head and tergites, except edges, darker.

Head transverse (3,75 : 1,75) eyes convex, their longitudinal diameter three times the length of the temples; very finely reticulate between the base of the antennae, more coarsely reticulate and sparsely punctured towards the base and inner margins of eyes. Antennae with three basal segments paler; first segment deeply emarginate and broadened

at apex, second and third of equal length but shorter than the first; fourth and fifth equal in length but shorter than the two previous, six to ten each a little shorter than the previous, tenth segment transverse, last segment as long as two penultimate, laterally compressed at apex, all segments finely setose, with longer setae from apical edges.

Pronotum transverse (4,25 : 3,25) broadest at apical third, lateral margins straight for posterior two thirds, posterior corners obtuse, anterior corners rounded; laterally not so abruptly depressed as in *rutshuruensis*, the central area more cushion-like, a deep central depression at base; finely densely granularly punctured, each granule surrounded with a little patch of fine reticulation with fine short yellow pubescence; colour paler on lateral depressions : anterior and posterior margins finely bordered, lateral margins extremely finely bordered.

Elytra transverse (4,75 : 4) at shoulders, (5,75 : 4) at posterior margin; with fine short yellow pubescence. Posterior margin strongly emarginate at postero-external angles and at sutural angles where it is finely margined (fig. 3).

Abdomen shining without micro-sculpture, with long sparse setae from punctures on apical margins, otherwise impunctate; paratergites more setose; seventh tergite with lateral furrows and two dorsal setiferous punctures. Legs long and slender.

Length 5 mm.

Type unique : Congo Belge : Lusinga, 1.760 m, 28.III.1947 (Miss. G. F. DE WITTE, 127 a).



## INDEX ARRANGED ALPHABETICALLY.

## SUBGENERA.

	Pages.		Pages.
<i>Acanthocnemedonia</i> ... ..	126	<i>Glossacantha</i> .. ...	126
<i>Androdonia</i> ... ..	126	<i>Grammodonia</i> . ...	126, 127, 131
<i>Anophthalmodonia</i> . ...	127	<i>Homolodonia</i> .. ...	127
<i>Antronia</i> . ... ..	127	<i>Parophthalmonia</i> ... ..	127
<i>Blepharonia</i> ... ..	126, 128, 130	<i>Trachydonia</i> .. ...	127
<i>Callodonia</i> ... ..	126	<i>Visendor</i> . ... ..	126
<i>Camonia</i> . ... ..	127		
<i>Ctenodonia</i> ... ..	126		
<i>Dentothalmonia</i> ... ..	126, 128		

## SPECIES.

	Pages.		Pages.
<i>alboplagiatus</i> BERNHAUER ( <i>Trachydonia</i> ) ... ..	127	<i>incredibilis</i> BERNHAUER ( <i>Trachydonia</i> )	127
<i>artatus</i> LAST ( <i>Anophthalmonia</i> ) ..	127	<i>incurvus</i> LAST ( <i>Trachydonia</i> ) ... ..	127
<i>asperatus</i> BERNHAUER ( <i>Trachydonia</i> ) .	127	<i>kenyae</i> BERNHAUER ( <i>Homolodonia</i> ) ...	127
<i>bangae</i> CAMERON ( <i>Blepharonia</i> ) ..	126	<i>marukana</i> CAMERON ( <i>Visendor</i> ) ..	126
<i>capicola</i> PERINGUEY ( <i>Grammodonia</i> ) ..	126	<i>mirabilis</i> BERNHAUER ( <i>Androdonia</i> ) ..	126
<i>clementis</i> nov. ( <i>Dentothalmonia</i> ) ..	126, 128	<i>miricauda</i> BERNHAUER ( <i>Acanthocnemedonia</i> ) ... ..	126
<i>compressus</i> nov. ( <i>Antronia</i> ) ..	127	<i>phaenominalis</i> BERNHAUER ( <i>Glossacantha</i> ) ... ..	126
<i>conifer</i> PERINGUEY ( <i>Camonia</i> ) ... ..	127	<i>propinquus</i> BERNHAUER ( <i>Trachydonia</i> ) ... ..	127
<i>coronus</i> LAST ( <i>Callodonia</i> ) ... ..	126	<i>rapax</i> LAST ( <i>Camonia</i> ) ..	127
<i>densior</i> BERNHAUER ( <i>Androdonia</i> ) ...	126	<i>remotus</i> nov. ( <i>Blepharonia</i> ) ..	126, 128
<i>diversicornis</i> LAST ( <i>Parophthalmonia</i> )	127	<i>ruficeps</i> CAMERON ( <i>Grammodonia</i> ) ...	126
<i>fauvelianus</i> CAMERON ( <i>Grammodonia</i> ).	126	<i>sparsus</i> nov. ( <i>Blepharonia</i> ) ..	126, 130
<i>gregoryi</i> LAST ( <i>Parophthalmonia</i> ) ...	127	<i>sublucens</i> CAMERON ( <i>Trachydonia</i> ) ...	127
<i>holosus</i> nov. ( <i>Grammodonia</i> ) ...	127, 131	<i>usuriensis</i> BERNHAUER ( <i>Ctenodonia</i> ) ..	126
<i>impurus</i> LAST ( <i>Parophthalmonia</i> ) ...	127		

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