

Gonocnemis Thomson and related genera (Coleoptera: Tenebrionidae: Amarygmini) in Southern Africa¹

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Abstract

All species of the genera *Gonocnemis* Thomson, 1858, *Paragonocnemis* Kraatz, 1899 (with *Paragonocnemis angolaensis* n. sp. from Angola), *Crypsinous* Fairmaire, 1891, *Lemoultia* Chatanay, 1913 and *Podacamptus* Ardoïn, 1964 of the tenebrionid tribe Amarygmini Gistel, 1848 in Southern Africa (South Africa, Namibia, Angola, Botswana, Zimbabwe, Mozambique, Zambia) are summarised. *Gonocnemis kolbei* Ardoïn, 1976 is considered a new synonym of *G. sinuaticollis* Kolbe, 1883. A key for these genera and new faunistic data are given. All species are figured.

Key words: Coleoptera, Tenebrionidae, Amarygmini, *Gonocnemis*, *Paragonocnemis*, *Crypsinous*, *Lemoultia*, *Podacamptus*, new species, South Africa, Namibia.

Zusammenfassung

Alle Arten der Gattungen *Gonocnemis* Thomson, 1858, *Paragonocnemis* Kraatz, 1899 (mit *Paragonocnemis angolaensis* n. sp. aus Angola), *Crypsinous* Fairmaire, 1891, *Lemoultia* Chatanay, 1913 und *Podacamptus* Ardoïn, 1964 aus der Tenebrioniden-Tribus Amarygmini Gistel, 1848 in Südafrika, Namibia und angrenzender Regionen (Angola, Botswana, Zimbabwe, Mozambique, Zambia) werden zusammenfassend dargestellt. *Gonocnemis kolbei* Ardoïn, 1976 wird als neues Synonym von *G. sinuaticollis* Kolbe, 1883 angesehen. Ein Bestimmungsschlüssel für diese Gattungen und neue faunistische Daten werden mitgeteilt. Alle Arten werden abgebildet.

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1 Introduction

The tenebrionid tribe Amarygmini Gistel, 1848 is extremely diverse and speciose in Africa and was revised by ARDOÏN (1962–1969). Surprisingly, in that monograph only very few records from South Africa and not a single one from Namibia were treated. Nevertheless, a lot of species were recently collected in this area (map see Fig. 1). This paper summarises all new findings of the genera *Gonocnemis* Thomson, 1858, *Paragonocnemis* Kraatz, 1899, *Crypsinous* Fairmaire, 1891, *Lemoultia* Chatanay, 1913 and *Podacamptus* Ardoïn, 1964 in South Africa, Namibia and adjacent regions (Angola, Botswana, Zimbabwe, Mozambique, Zambia), with description of a new species of *Paragonocnemis* from Angola. All species are

figured. The aedeagi are quite uniform in this group (personal random tests) and are therefore not examined.

Probably all species of the genera treated hereunder are associated with fungi in abandoned termite nests. These hidden, underground fungi represent an enormous food resource for plenty of different insects and mainly for their larvae, particularly in dry and harsh environments (GIRARD & LAMOTTE 1990, BREMER 1995). A few species of *Gonocnemis* and related genera can be found only directly in these termite nests and have restricted distributional patterns. Most species, however, often leave the nests, have a wider distribution and are commonly attracted by light (personal observations). Other genera of African Amarygmini, not treated here (for example *Eupezus* Blanchard, 1845, *Hoplonyx* Thomson, 1854, *Meracantha* Kirby, 1837,

¹ Contributions to Tenebrionidae, no. 120. – For no. 119 see: Stuttgarter Beiträge zur Naturkunde A, Neue Serie 7 (2014).

Psorodes Solier, 1848 and *Vutsimus* Péringuey, 1899) are not associated with fungi of termite nests and have a different, arboreal and nocturnal way of life. These species usually have larger body size (up to 30 mm) in contrary to the smaller termitophilous species of *Gonocnemis* and related genera (mostly below 12 mm).

Acronyms of depositories

CERM	Collection ENRICO RUZZIER, Mirano, Italy
CNC	Canadian National Collection of Insects, Ottawa, Canada
CRG	Collection Dr. ROLAND GRIMM, Neuenbürg, Germany
HNHM	Hungarian Natural History Museum, Budapest, Hungary
MNB	Museum für Naturkunde, Berlin, Germany
SMNS	Staatliches Museum für Naturkunde, Stuttgart, Germany
TMSA	Ditsong National Museum of Natural History, Pretoria, South Africa
ZSM	Zoologische Staatssammlung, München, Germany

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2 Key to genera

- 1 Anterior femora in both sexes with distinct tooth (Figs. 2–23, 25–32). 2
- Anterior femora in both sexes without tooth (Fig. 24) (a single species, not longer than 4 mm). **Lemoultia**
- 2 Pronotal disc with pattern of distinct, transverse and longitudinal keels (Figs. 26, 27, 29–32). **Paragonocnemis**
- Pronotal disc sometimes with coarse punctation and separated tubercles, but without pattern of distinct keels (Figs. 2–23, 25, 28). 3
- 3 Eyes widely separated, distance between them larger than distance between antennal insertions. **Crypsinous**
- Distance between eyes narrower than distance of antennal insertions, sometimes eyes even touching each other. 4
- 4 Body compact oval, teeth of anterior femora small and symmetrical (Fig. 28), tibiae arched (in the area considered only a single species, not longer than 3 mm). **Podacamptus**
- Body elongate parallel-sided, teeth of anterior femora prominent and asymmetrical (Figs. 2–23), tibiae straight (several species, 2.5–12 mm long). **Gonocnemis**

3 Species of *Gonocnemis*

Gonocnemis aeneipennis Pic, 1919 (Fig. 19)

New material: Tanzania, Dodoma Prov., 25 km S Bereku, 1550 m, 19.I.2007, leg. F. KANTNER, 1 ex. SMNS. – Zambia, Central Prov., 100 km SW Serenje, 7.XII.2002, leg. F. & L. KANTNER, 1 ex. SMNS. – Zambia, Copperbelt Prov., 60 km SE Kitwe, 13.VII.2002, leg. F. & L. KANTNER, 1 ex. SMNS. – Zambia, 150 km S Kasemba, 11.XI.2002, leg. F. WACHTEL, 4 ex. CRG. – Zambia, Ikengele, Nchila Reserve, 6.XI.2002, leg. F. WACHTEL, 1 ex. CRG. – Zimbabwe, Kyle Recreation Park at Lake Mutirikwi, 1.–5.XI.1993, leg. M. UHLIG, 1 ex. MNB (det. BREMER). – Zimbabwe, Rusape SE Harare, 20.XI.1992, leg. K. & F. ADLBAUER, 4 ex. CRG. – South Africa, Mpumalanga, SW Komatipoort, 7.II.2003, leg. M. SNIŽEK, 1 ex. SMNS. – South Africa, Mpumalanga, Barberton, 21.I.1911, leg. A. J. T. JANSE, 1 ex. TMSA (det. ARDOIN). – Angola, Huila Prov., 75 km N Caconda, 1640 m, 7.–10.XI.2011, leg. R. MÜLLER, 2 ex. TMSA.

Type locality: “Fort Crampel”.

Distribution: Guinea (ARDOIN 1963); Congo, Cameroon, Tanzania, Zimbabwe (ARDOIN 1964); Ivory Coast (BREMER 1995); Benin (ROBICHE et al. 2002); Zambia, Angola, South Africa (new records).

Gonocnemis agrestis Péringuey, 1896 (Fig. 9)

Gonocnemis rufitarsis Pic, 1919 syn.

Gonocnemis crenulatus Pic, 1937 syn.

New material: Togo, Bismarckburg, 13.XI.1892–12.II.1893, leg. L. CONRADT, 1 ex. MNB (det. ARDOIN). – Liberia, Bong Town, 1.III.1988, leg. F.-T. KRELL, 1 ex. SMNS. – Liberia, Montserrado County, Peter Town, 26.III.1988, leg. F.-T. KRELL, 1 ex. SMNS (det. BREMER). – Kenya, Mount Elgon, Mt. Elgon Lodge, 2100 m, 1.–2.IV.1988, leg. R. GRIMM, 4 ex. CRG. – Angola, Huila Prov., 20 km S Caluquembe, 6.–7.XI.2011, leg. P. SCHÜLE, 1 ex. SMNS.

Type locality: “Salisbury, Mashonaland”.

Distribution: Congo, Zimbabwe (type locality) (ARDOIN 1964); Ivory Coast, Guinea (BREMER 1995); Benin (ROBICHE et al. 2002); Namibia (FERRER 2004); Liberia, Togo, Kenya, Angola (new records).

Gonocnemis bicolor Pic, 1926 (Fig. 8)

New material: Ethiopia, Shawa Ambo Prov., 125 km W Addis-Abeba, 2250 m, 17.XI.1990, leg. L. N. MEDVEDEV & E. SAMODERSHENKOV, 1 ex. HNHM (det. MERKL). – Angola, Huila Prov., 20 km S Caluquembe, 6.–7.XI.2011, leg. P. SCHÜLE, 1 ex. SMNS. – Angola, Huila Prov., 10 km SW Cacula, 4.–6.XI.2011, leg. P. SCHÜLE, 1 ex. SMNS. – Angola, Huila Prov., 75 km N Caconda, 1640 m, 7.XI.2011, leg. R. MÜLLER, 1 ex. TMSA. – Zimbabwe, Masvingo Prov., Lake Mutirikwe (Kyle), 27.XI.2006, leg. P. SCHÜLE, 1 ex. SMNS. – Zimbabwe, Lake Kyle, 29.XI.1992, leg. K. & F. ADLBAUER, 1 ex. CRG. – Kenya, Mount Elgon, Mt. Elgon Lodge, 2100 m, 1.–2.IV.1988, leg. R. GRIMM, 1 ex. CRG. – Kenya, Masai Mara Game Reserve, Fig Tree Camp, 4.–6.IV.1988, leg. R. GRIMM, 1 ex. CRG. – South Africa, Limpopo, Thabazimbi, 16.XI.2002, leg. F. WACHTEL, 1 ex. CRG. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1400 m, 13.–14.XII.2003, leg. R. MÜLLER & W. SCHAWALLER, 1 ex. SMNS, 1 ex. TMSA. – South Africa, Limpopo, Lekgalameetse, 850 m, 28.XI.2008, leg. R. MÜLLER, 1 ex. TMSA.

Type locality: "Marako" [probably Marko].

Distribution: Congo, Ethiopia (type locality); Zimbabwe, South Africa (ARDOIN 1964); Kenya, Angola (new records).

Gonocnemis carinatus Kraatz, 1899 (Fig. 4)

Gonocnemis subaeneus Pic, 1915 syn.

New material: Kenya, Mt. Elgon NP, near Chepyalil Cave, dry evergreen montane forest, 2500 m, at light, 24–26.I.1992, leg. O. MERKL & G. VÁRKONYI, 1 ex. HNHM (det. BREMER). – Kenya, Mt. Elgon, Mt. Elgon Lodge, 2100 m, 1.–2.IV.1988, leg. R. GRIMM, 9 ex. CRG, 1 ex. SMNS. – Kenya, Voi, I.–III.1951, leg. C. E. SWETE-KELL, 1 ex. TMSA. – Angola, no further data, 2 ex. TMSA (det. BREMER). – Angola, Huila Prov., 3.5 km SW Negola, 8.XII.2012, leg. P. SCHÜLE, 6 ex. SMNS. – South Africa, Gauteng [labelled as Transvaal], Pretoria, 16.V.1915, collector unknown, 1 ex. TMSA (det. BREMER).

Type locality: "N'Sesse par Loango".

Distribution: Congo, Gabon, Kenya, Uganda, Angola (ARDOIN 1964); South Africa (only one old record).

Gonocnemis dentaticollis Pic, 1937 (Fig. 12)

New material: Ethiopia, Bahar Dar, 30.X.1968, leg. K.-W. HARDE, 1 ex. SMNS (det. BREMER). – Benin, 52 km N Save, Kokora, 21.VI.2001, leg. F. & L. KANTNER, 1 ex. SMNS. – Togo, Plateau Region, Kloto, Fôret de Missaoe, 7.–25.IV.2012, leg. A. MENSAH, 1 ex. CERM. – Tanzania, 100 km on Kahama Road, 1200 m, 24.XII.2006, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, Iringa Prov., 80 km NE Iringa, 650 m, 9.–10.I.2007, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, Morogoro, light trap, II.1970, leg. T. PÓCS, 3 ex. HNHM (det. BREMER). – Tanzania, Morogoro, light trap, 20.V.1970, leg. T. PÓCS, 1 ex. HNHM (det. BREMER). – South Africa, KwaZulu-Natal, SW Magudu, 480 m, 4.–5.I.2009, leg. R. MÜLLER & P. SCHÜLE, 16 ex. SMNS, 12 ex. TMSA. – South Africa, KwaZulu-Natal, Hluhluwe, 70 m, 7.–8.XII.2011, leg. R. MÜLLER, 1 ex. TMSA. – South Africa, KwaZulu-Natal, Ongoye Forest, 280 m, 2.–6.XII.2010, leg. D. BARTSCH & J. BERG, 1 ex. SMNS. – South Africa, Limpopo, Manyeleti Game Reserve, 18.XI.1987, leg. T. VAN VIEGEN, 1 ex. TMSA. – South Africa, Limpopo, Krüger NP, Skukuza Research Camp, 7.III.1996, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA. – South Africa, Limpopo, Lekgalameetse, 850 m, 27.XI.2008, leg. R. MÜLLER, 1 ex. TMSA. – South Africa, Mpumalanga, Nelspruit NR, 8.II.1987, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA. – South Africa, Gauteng, Pretoria, Roodeplaat NR, 30.X.–10.XI.1960, leg. H. NEUBECKER, 1 ex. TMSA. – Swaziland, Maguga Lake, S Bulembu, 600 m, 5.–7.XII.2009, leg. W. HEINZ, 1 ex. SMNS. – Swaziland, Eranchi, XII.1953, leg. L. HOWDEN, 2 ex. TMSA. – Angola, no further data, 1 ex. TMSA.

Type locality: "Ruanda, Gabiro".

Distribution: Ivory Coast, Guinea, Congo, Rwanda, Kenya, Tanzania (ARDOIN 1964); Guinea (BREMER 1995); Ethiopia, Benin, Togo, Angola, South Africa, Swaziland (new records).

Gonocnemis ghesquieri Pic, 1937 (Fig. 3)

New material: Tanzania [labelled as D.O. Afrika], Daressalam, Pangani, without date, leg. R. REGNER, 2 ex. MNB. – Tanzania, Morogoro, light trap, II.1970, leg. T. PÓCS, 1 ex. HNHM (det. BREMER). – South Africa, Limpopo, Hans Merensky

NR, 20.I.1999, leg. P. SCHÜLE, 1 ex. SMNS. – South Africa, Limpopo, Manyeleti Game Reserve, 19.XI.1987, leg. T. VAN VIEGEN, 2 ex. TMSA. – South Africa, Limpopo, Lindani NR, 1340 m, 8.XII.2005, leg. R. MÜLLER & S. GUSSMANN, 1 ex. TMSA. – South Africa, Limpopo, Krüger NP, zone II, 11.–21.X.1995, leg. V. W. MEYER, 1 ex. TMSA. – South Africa, Krüger NP, Shingwedzi, 19.–20.XI.1961, leg. VÁRI & RORKE, 1 ex. TMSA. – South Africa, Limpopo, Warmbaths (now Bela-Bela), 15.I.1967, leg. R. B. COPLEY, 1 ex. TMSA. – South Africa, Mpumalanga, SW Komatipoort, 7.II.2003, leg. M. SNIŽEK, 1 ex. SMNS. – South Africa, Gauteng, Tswaing, 24.XI.2003, leg. TMSA staff, 2 ex. TMSA. – South Africa, KwaZulu-Natal, Hluhluwe, 100 m, 1.I.2009, leg. R. MÜLLER & S. GUSSMANN, 1 ex. TMSA. – South Africa, Orange Free State, Bothaville, XI.–XII.1898, leg. H. BRAUNS, 16 ex. TMSA.

Type locality: "Congo, Nyangwe".

Distribution: Congo, Kenya, Tanzania, Zimbabwe, South Africa (ARDOIN 1964).

Gonocnemis hayekae Ardoin, 1964 (Fig. 22)

New material: Angola, Huila Prov., 10 km SW Cacula, 4.–6.XI.2011, leg. P. SCHÜLE, 1 ex. SMNS.

Type locality: "Huambo".

Remarks: The newly collected specimen fits well the description and figure by ARDOIN (1964), except the antennae being longer as figured for the holotype. This difference may reflect sexual dimorphism.

Distribution: Angola (ARDOIN 1964).

Gonocnemis impressicollis Péringuey, 1896 (Fig. 17)

New material: Tanzania, Serengeti NP, Ndutu Camp, 16.–27.VIII.1990, leg. R. GRIMM, 1 ex. CRG. – Zimbabwe [labelled as Mashonaland], Salisbury, no further data, 1 ex. TMSA [from type series?]. – Zimbabwe [labelled as S Rhodesia], Umtali, I.1951, collector unknown, 2 ex. TMSA. – Zambia, 30 km SE Choma, 27.XII.2002, leg. J. HALADA, 1 ex. SMNS.

Type locality: "Salisbury, Mashonaland".

Distribution: Zimbabwe (type locality), Tanzania, Kenya (ARDOIN 1964); Zambia (new record).

Gonocnemis mourgliai Bremer, 1997 (Fig. 13)

Type material examined: Kenya, Meru Distr., Gatunga, IV./V.1987, leg. M. MARINI, holotype ZSM.

New material: S Kenya, Voi, 23.XI.1997, leg. M. SNIŽEK, 1 ex. ZSM. – Kenya, Tsavo West NP, SE Lake Jipe, 18.VIII.1984, leg. D. E. RUSSELL, 1 ex. SMNS.

Type locality: "Meru Distr., Gatunga".

Distribution: Kenya (type locality).

Gonocnemis myrmido Fairmaire, 1882 (Fig. 20)

New material: Kenya, Amboseli NP, Massai Campsite, 1300 m, 27.I.2004, leg. L. KÜHNE, 3 ex. MNB. – Tanzania [labelled as D.O. Afrika], Gomba, 1912, leg. Inst. Amani, 2 ex. MNB. – Tanzania, Igoma Prov., Kafura, Moyowosi Game Reserve, 1250 m, 26.XII.2006, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, Dodoma Prov., 40 km N Dodoma, 1100 m, 15.XII.2007, leg. F. KANTNER, 2 ex. SMNS. – Zambia, Central Prov., Tatayoyo, 1200 m, 18.XI.2010, leg. F. GÉNIEP, 4 ex. CNC. –

Zambia, Central Prov., 25 km NE Lilemone, 1250 m, 5.XII.2010, leg. F. GÉNIER, 8 ex. CNC, 1 ex. SMNS. – Zambia, Central Prov., 100 km SW Serenje, 7.XII.2002, leg. F. & L. KANTNER, 2 ex. SMNS. – Zambia, Northwestern Prov., Solwezi, 2.XII.2002, leg. F. & L. KANTNER, 2 ex. SMNS. – Zambia, Ikengele, Nchila Reserve, 6.XI.2002, leg. F. WACHTEL, 1 ex. CRG. – Zambia, 150 km S Kasemba, 11.XI.2002, leg. F. WACHTEL, 1 ex. CRG. – Zimbabwe, Zvishavane, 80 km W Masvingo, 3.II.1998, leg. F. KANTNER, 1 ex. SMNS. – Zimbabwe, Masvingo Prov., Lake Mutirikwe (Kyle), 27.XI.2006, leg. P. SCHÜLE, 1 ex. SMNS. – Mozambique, Gorongosa NP, 29.XI.2004, leg. S. GUSSMANN & R. MÜLLER, 1 ex. TMSA. – Namibia, Damaraland, Abachaus, XII.1951, leg. G. HOBBOHM, 1 ex. TMSA. – South Africa, Limpopo, Thabazimbi, 16.XI.2002, leg. F. WACHTEL, 3 ex. CRG. – South Africa, Limpopo, Krüger NP, 3 km NW Skukuza, 6.III.1996, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA. – South Africa, Limpopo, Naboomspruit, Torino Beach, 14.I.1990, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA. – South Africa, Limpopo, Beaufort Farm, Levubu, 24.I.1998, leg. R. MÜLLER, 1 ex. TMSA. – South Africa, Limpopo, Klaserie, 25.–27.XI.2002, leg. P. SCHÜLE, 2 ex. SMNS. – South Africa, Limpopo, Makhado (Louis Trichardt), 17.–19.I.1999, leg. P. SCHÜLE, 1 ex. SMNS. – South Africa, Limpopo, Lindani NR, 18.–19.XI.2004, leg. P. SCHÜLE, 1 ex. SMNS. – South Africa, Limpopo, Lekgalameetse, 850 m, 27.XI.–1.XII.2008, leg. R. MÜLLER & W. SCHAWALLER, 9 ex. TMSA, 6 ex. SMNS. – South Africa, Limpopo, 10 km N Modimolle (Nylstroom), Kuthaba Bush Lodge, 1300 m, 10.–13.XII.2008, leg. R. MÜLLER & W. SCHAWALLER, 3 ex. TMSA, 2 ex. SMNS. – South Africa, Limpopo, SW Makopane, Mabote Farm, 1200 m, 21.–23.II.2012, leg. W. SCHAWALLER, 4 ex. SMNS. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1300 m, 25.II.2012, leg. R. MÜLLER, 2 ex. TMSA. – South Africa, Mpumalanga, Groblersdal, 19.IX.2002, leg. TMSA staff, 1 ex. TMSA. – South Africa, Mpumalanga, Steelpoort, 15.X.2002, leg. M. BURGER & J. LEGWAI, 1 ex. TMSA. – South Africa, Mpumalanga, Groblersdal, 1000 m, 10.III.2005, leg. J. HARRISON, 2 ex. TMSA. – South Africa, Mpumalanga, Helena Farm, 1090 m, 11.II.2002, leg. TMSA staff, 2 ex. TMSA. – South Africa, KwaZulu-Natal, Ndumu NR, campsite, 10.–13.II.2010, leg. D. BARTSCH & J. BERG, 1 ex. SMNS. – South Africa, KwaZulu-Natal, Ndumo store, 1.XII.1992, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA (det. BREMER as *G. hirticornis*). – South Africa, KwaZulu-Natal, Ndumo NR, 22.XI.2002, leg. J. HARRISON & R. MÜLLER, 1 ex. TMSA. – South Africa, KwaZulu-Natal, Hluhluwe, 70 m, 7.–8.XII.2010, leg. R. MÜLLER, 3 ex. TMSA. – South Africa, KwaZulu-Natal, SW Magudu, 4.–5.I.2009, leg. R. MÜLLER & P. SCHÜLE, 27 ex. SMNS, 11 ex. TMSA.

Type locality: “Abyssinie”.

Remarks: Status of the subspecies *meridionalis* Ardoïn, 1964 (type locality “SW Rhodesia”) is unclear.

Distribution: Guinea, Uganda, Ethiopia, Kenya, Tanzania (ARDOIN 1964); Ivory Coast, Guinea (BREMER 1995); Zambia, Zimbabwe, Mozambique, Namibia, South Africa (new records).

Gonocnemis oberthueri Ardoïn, 1964 (Fig. 7)

Type material examined: Tanzania [labelled Germ.O.Afr.], Myombo, 15.III.1914, collector unknown, 1 paratype TMSA.

New material: Tanzania, Pwani Prov., 70 km E Morogoro, 300 m, 12.XII.2006, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, Ngorongoro, 16.VII.1988, collector unknown, 1 ex.

HNHM (det. BREMER). – Zambia, Kitwe, 20.VIII.2004, collector unknown, 1 ex. TMSA. – Zimbabwe, Laurenceville, Vumba, 21.X.1989, leg. C.R. OWEN, 1 ex. TMSA, 1 ex. SMNS. – South Africa, KwaZulu-Natal, Mudén, XII.1955, collector unknown, 1 ex. TMSA (det. BREMER).

Type locality: “M’Pala”.

Distribution: Tanzania (type locality), Zimbabwe (ARDOIN 1964); Zambia (new record), South Africa (only one old record).

Gonocnemis opacus Pic, 1919 (Fig. 2)

New material: E Kenya, N Nguni, Ngomeni, 19.–22.IV.2007, leg. M. SNIŽEK, 1 ex. SMNS. – Kenya, Meru Distr., Matiri (Mituguu), 800 m, 8.XI.1983, leg. R. MOURGLIA, 1 ex. SMNS.

Type locality: “Dar-es-Salam”.

Distribution: Tanzania (ARDOIN 1964); Kenya (new record).

Gonocnemis parallelepennis Ardoïn, 1964 (Fig. 23)

New material: Namibia, Farm Namibgrens (Spreetshoogte), 1800 m, 3.–6.II.2010, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, Kalahari Park, 25 km S Mata-Mata, 18.XII.1974, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA.

Type locality: “Ndelele, Congo”.

Distribution: Congo (ARDOIN 1964); Namibia, South Africa (new records).

Gonocnemis raffrayi Fairmaire, 1891 (Fig. 6)

Gonocnemis segnis Péringuey, 1896 syn.

Gonocnemis opatroides Kraatz, 1899 syn.

Gonocnemis multiimpressus Pic, 1936 syn.

New material: Congo, N Brazzaville, Kintele, 2.–11.VI.1978, collector unknown, 1 ex. SMNS. – Kenya, Masai Mara Game Reserve, Fig Tree Camp, 4.–6.IV.1988, leg. R. GRIMM, 1 ex. CRG. – Tanzania, Iringa Prov., 11 km E Iringa, Ruaha River, Riverside Camp, 1560 m, 25.–27.XII.2010, leg. M. HIERMAIER, 1 ex. CRG. – Zimbabwe, Rusape SE Harare, 20.XI.1992, leg. K. & F. ADLBAUER, 1 ex. CRG. – South Zimbabwe, Masvingo Prov., Masvingo Lake Kyle Reserve, 13.XII.2005, leg. P. SCHÜLE, 1 ex. SMNS. – Zimbabwe, Shamva [labelled as Rhodésie du Nord, Abercorn], 15.XII.1943, leg. H.J. BRÉDO, 1 ex. HNHM (det. MERKL). – South Africa, Limpopo, Modimolle (Nylstroom), Vyeboom, VII.1954, leg. A.D.J. MEENSE, 1 ex. SMNS. – South Africa, Mpumalanga, Lydenburg, 1896, leg. P.A. KRANTZ, 12 ex. TMSA. – South Africa, Gauteng, Pretoria, 1945, 3 ex. TMSA. – Angola, Huila Prov., 10 km SW Cacula, 4.–6.XI.2011, leg. P. SCHÜLE, 2 ex. SMNS. – Angola, Huila Prov., 20 km S Caluquembe, 6.–7.XI.2011, leg. P. SCHÜLE, 1 ex. SMNS. – Angola, Bié Prov., Chissamba, 1440 m, 9.XI.2011, leg. R. MÜLLER, 1 ex. TMSA.

Type locality: “Zanzibar”.

Distribution: Ethiopia, Kenya, Congo, Tanzania, Zimbabwe, Mozambique (ARDOIN 1964); Angola, South Africa (new records).

Gonocnemis rusticus Péringuey, 1896 (Fig. 11)

Gonocnemis binodosus Kraatz, 1899 syn.

Gonocnemis sebakuensis Péringuey, 1904 syn.

New material: Ethiopia, Ambo, 13.–17.X.1990, leg. L. B. RYBALOV, 3 ex. SMNS (det. BREMER). – Kenya, Kagamega Forest Reserve, 7.X.2005, leg. J. HOLSTEIN & D. BARTSCH, 1 ex. SMNS. – Uganda, Kyambura Game Reserve, S Lake George, 1050 m, 28.III.1989, leg. K. ADLBAUER, 1 ex. CRG. – Tanzania, Iringa Region, 11 km E Iringa, Ruaha River, Riverside Camp, 1560 m, 25.–27.XII.2010, leg. M. HIERMAIER, 1 ex. CRG. – Tanzania, South West Prov., E Mbeya, 1200 m, 6.I.2007, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, Dodoma Prov., 25 km S Berekua, 1550 m, 19.I.2007, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, Ngorongoro Crater, Hung. Sci. Africa Exp. “Teleki”, 4.IV.1988, leg. A. VOJNITS, 1 ex. HNHM (det. MERKL). – Zambia, E Lusaka, 20.III.1991, leg. P. SCHÜLE, 2 ex. SMNS. – Zambia, Central Prov., 6.5 km N Chunga, 1100 m, 4.XII.2010, leg. F. GÉNIER, 2 ex. CNC. – Zambia, Lusaka, no further data, 1 ex. HNHM (det. KASZAB). – Zimbabwe, 20 km W Gwanda, 120 km SE Bulawayo, 6.XII.1999, leg. F. KANTNER, 1 ex. SMNS. – South Africa, Limpopo, Lindani NR, 1190 m, 4.I.2008, leg. R. MÜLLER, 1 ex. TMSA. – South Africa, Limpopo, Lindani NR, 1340 m, 8.XII.2005, leg. R. MÜLLER & S. GUSSMANN, 1 ex. TMSA. – South Africa, Limpopo, Lindani NR, 9.–10.XII.2005, leg. P. SCHÜLE, 1 ex. SMNS. – South Africa, Limpopo, Makhado (Louis Trichardt), XII.1956, leg. A. C. CAPENER, 1 ex. TMSA. – South Africa, Limpopo, Makhado (Louis Trichardt), 17.–19.I.1999, leg. P. SCHÜLE, 1 ex. SMNS. – South Africa, Limpopo, Lekgalameetse, 850 m, 27.XI.–1.XII.2008, leg. R. MÜLLER & W. SCHAWALLER, 5 ex. TMSA, 6 ex. SMNS. – South Africa, Limpopo, Bela-Bela (Warmbaths), Klein Kariba, 5.XII.2009, leg. T. BAYERS, 1 ex. TMSA. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1300 m, 24.–25.II.2012, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, Mpumalanga, Helena Farm, 11.II.2002, leg. TMSA staff, 1 ex. TMSA. – South Africa, Gauteng, Pretoria, Roodeplaat NR, 8.–10.X.1960, leg. H. NEUBECKER, 3 ex. TMSA. – South Africa, Gauteng, Cullinan, Windy Brow, 26.II.2002, leg. TMSA staff, 1 ex. TMSA. – South Africa, KwaZulu-Natal, SW Magudu, 480 m, 4.I.2009, leg. R. MÜLLER, 1 ex. TMSA. – South Africa, KwaZulu-Natal, Ladysmith, 1952/1953, leg. A. H. NEWTON, 2 ex. TMSA. – Angola, Huila Prov., 75 km N Caconda, 5.XII.2012, leg. P. SCHÜLE, 1 ex. SMNS. – Angola, Huila Prov., 3.5 km SW Negola, 8.XII.2012, leg. P. SCHÜLE, 7 ex. SMNS.

Type locality: “Mashonaland, Salisbury”.

Remarks: Status of the subspecies *tubericollis* Fairmaire, 1898 (type locality “Gabon, Benito”) is unclear, probably synonym of *rusticus* Péringuey.

Distribution: Congo, Uganda, Kenya, Tanzania, Zimbabwe (type locality), South Africa (ARDOIN 1964); Mozambique (FERRER 2006); Ethiopia, Zambia, Angola (new records).

Gonocnemis senegalensis Fairmaire, 1894 (Fig. 21)

New material: Liberia, Nimba Prov., Scalepea, 26.–27.III.1988, leg. F.-T. KRELL, 1 ex. SMNS. – Liberia, Bong Town, 21.III.1988, leg. F.-T. KRELL, 1 ex. SMNS. – Liberia, Zwedru, 13.III.1988, leg. F.-T. KRELL, 1 ex. SMNS. – Tanzania, Morogoro, light trap, II.1970, leg. T. Pócs, 1 ex. HNHM (det. BREMER). – Tanzania, Morogoro, University Campus, at light, 29.I.1988, leg. T. Pócs, 1 ex. HNHM (det. MERKL). – South Africa, Limpopo, Waterval Farm, II.1991, leg. R. DIXON, 2 ex. TMSA (det. BREMER). – South Africa, Limpopo, Krüger NP, 3 km NW Skukuza, 6.III.1996, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA. – South Africa, KwaZulu-Natal, SW Magudu, 4.–5.I.2009, leg. P. SCHÜLE, 1 ex. SMNS.

Type locality: “Senegal”.

Remarks: The subspecies *nimbaensis* Ardoin, 1963 from Guinea was elevated to species level by BREMER (1995). *G. senegalensis* is similar to *G. strigipennis*, but the frons between the eyes is distinctly wider in *G. senegalensis*.

Distribution: Guinea (ARDOIN 1963); Senegal, Ivory Coast, Nigeria, Congo, Kenya (ARDOIN 1964); Gambia (GRIMM 2002); Benin (ROBICHE et al. 2002); Yemen (SCHAWALLER 2007); Liberia, Tanzania, South Africa (new records).

Gonocnemis seydeli Pic, 1937 (Fig. 16)

New material: Zambia, Central Prov., 25 km NE Lilemone, 1250 m, 5.XII.2010, leg. F. GÉNIER, 1 ex. CNC, 1 ex. SMNS. – Zambia, 150 km S Kasemba, 11.XI.2002, leg. F. WACHTEL, 9 ex. CRG. – South Africa, KwaZulu-Natal, SW Magudu, 480 m, 4.–5.I.2009, leg. P. SCHÜLE, 1 ex. SMNS.

Type locality: “Lufudizi, Katanga”.

Distribution: Congo (type locality), Zimbabwe (ARDOIN 1964); Zambia, South Africa (new records).

Gonocnemis sicutensis Pic, 1915 (Fig. 5)

Gonocnemis schoutedeni Gebien, 1920 syn.

New material: Uganda, Kyambura Game Reserve, S Lake George, 1050 m, 28.III.1989, leg. K. ADLBAUER, 1 ex. CRG. – Zimbabwe [labelled as N Rhodesia], Lusaka, collector unknown, 1 ex. TMSA (det. KASZAB). – NW Zambia, 70 km NE Kapiri, Mposhi, 21.XI.2005, leg. M. SNIŽEK, 1 ex. SMNS. – Angola, no further data, 1 ex. TMSA (det. BREMER). – Angola, Huila Prov., 75 km N Caconda, 1640 m, 7.XI.2011, leg. R. MÜLLER, 1 ex. TMSA, 1 ex. SMNS.

Type locality: “Fort Sibut”.

Distribution: Congo (type locality), Cameroon, Zimbabwe (ARDOIN 1964); Uganda, Zambia, Angola (new records).

Gonocnemis sinuaticollis Kolbe, 1883 (Fig. 18)

Gonocnemis overlaeti Pic, 1937 syn.

Gonocnemis kolbei Ardoin, 1976 **n. syn.**

New material: Tanzania, Pwani Prov., 70 km E Morogoro, 300 m, 12.XII.2006, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, 100 km on Kahama Road, 1200 m, 24.XII.2006, leg. F. KANTNER, 2 ex. SMNS. – Tanzania, Morogoro, light trap, II.1970, leg. T. Pócs, 76 ex. HNHM (det. BREMER).

Type locality: “Chinchoxo” (*sinuaticollis*), “Kafakumba” (*overlaeti*).

Remarks: ARDOIN (1976) mentioned, that he misinterpreted in his revision (ARDOIN 1964) *Gonocnemis sinuaticollis* and *G. overlaeti*. What he redescribed therein as *overlaeti* is *sinuaticollis*, and thus he synonymised *overlaeti*. And that what he redescribed as *sinuaticollis* is said to be a different taxon, for which ARDOIN (1976) proposed the new name *kolbei*. However, both taxa are said to be different only by the colouration and the vicariant distribution in western and eastern Africa. This is not accepted by the

present author as specific difference, thus *kolbei* is considered as a synonym.

Distribution: Guinea (type locality of *sinuaticollis*); Cameroon, Congo (type locality of *overlaeti*), Uganda, Mozambique (ARDOIN 1964); Gambia (GRIMM 2002); Tanzania (ARDOIN 1976 under *kolbei*).

Gonocnemis strigipennis Thomson, 1858 (Fig. 14)

Gonocnemis debilicornis Kraatz, 1899 syn.

Gonocnemis parvulus Péringuey, 1899 syn.

New material: Kenya, Mount Elgon, Mt. Elgon Lodge, 2100 m, 1.–2.IV.1988, leg. R. GRIMM, 1 ex. CRG. – Uganda, Kaba-role, Kibale Forest NP, Kanyawara, 1400 m, VIII.1997, leg. C. HÄUSER, 1 ex. SMNS. – Zambia, 150 km S Kasemba, 11.XI.2002, leg. F. WACHTEL, 5 ex. CRG. – Zambia, Kafue NP, Chunga, 27.III.1993, leg. M. UHLIG, 1 ex. MNB. – Zambia, Lusaka Prov., 9 km E Mulalika, 100 m, 24.XI.2010, leg. F. GÉNIER, 2 ex. CNC. – Zambia, Central Prov., 25 km NE Lilemone, 1250 m, 5.XII.2010, leg. F. GÉNIER, 4 ex. CNC, 1 ex. SMNS. – Zambia, Northern Prov., 30 km S Chinsali, Chipona Falls, 5.–6.XII.2002, leg. F. & L. KANTNER, 1 ex. SMNS. – Zambia, Copperbelt Prov., NW Kipiri Mposhi, 8.XII.2002, leg. F. & L. KANTNER, 1 ex. SMNS. – Zimbabwe, Chipinga, 1.II.1990, leg. C. R. OWEN, 1 ex. TMSA. – Zimbabwe, Zvishavane, 80 km W Masvingo, 3.II.1998, leg. F. KANTNER, 1 ex. SMNS. – Botswana, 10 km NE Martin's Drift, 7.I.2010, leg. P. SCHÜLE, 1 ex. SMNS. – Namibia, Popa Falls, 28.–5.III.1994, leg. U. GÖLLNER & M. UHLIG, 3 ex. MNB. – Namibia, Odjozondjupa Distr., Hohenfels, Weavers Rock, 13.XII.2012, leg. P. SCHÜLE, 1 ex. SMNS. – Namibia, Odjozondjupa Distr., Otjiamongombe, 1500 m, 27.II.2003, leg. J. FRISCH & K. VOHLAND, 1 ex. MNB. – Namibia, Kavango, Mahango Game Reserve, 23.–24.XI.1993, leg. J. DECKERT, 1 ex. MNB. – Namibia, Okavango Distr., Mutombo, 60 km S Rundu, 1180 m, 13.III.2003, leg. J. FRISCH & K. VOHLAND, 1 ex. MNB. – Namibia, Okaparakaha, 90 km NE Windhoek, Voigts Farm, 2.–4.III.2001, leg. U. GÖLLNER, 1 ex. MNB. – Namibia, Okahandja Distr., Otjiamongombe, 15.X.2002, leg. J. DECKERT, 1 ex. MNB. – Namibia, Okahandja Distr., 47 km N Okahandja, Tiefenbach Farm, 15.–20.IV.2002, leg. M. UHLIG, 1 ex. MNB. – N Namibia, 10 km S Outjo, 1200 m, 20.–21.IV.2005, leg. W. SCHAWALLER, 1 ex. SMNS. – Mozambique, Gorongosa NP, 29.XI.2004, leg. S. GUSSMANN & R. MÜLLER, 4 ex. TMSA. – South Africa, Limpopo, Krüger NP, Skukuza, 7.–11.III.1996, leg. S. ENDRÖDY-YOUNGA, 6 ex. TMSA. – South Africa, Limpopo, Arbor Farm, Levubu, 28.I.1998, leg. R. MÜLLER, 3 ex. TMSA. – South Africa, Limpopo, Thabazimbi, 16.XI.2002, leg. F. WACHTEL, 2 ex. CRG. – South Africa, Limpopo, 40 km NE Vaalwater, Farkenfontein, 27.–28.XI.2002, leg. W. SCHAWALLER, 2 ex. SMNS. – South Africa, Limpopo, SW Makopane, Mabote Farm, 1200 m, 21.–23.II.2012, leg. W. SCHAWALLER, 2 ex. SMNS. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1300 m, 14.XII.2003, leg. R. MÜLLER, 1 ex. TMSA. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1300 m, 24.–25.II.2012, leg. R. MÜLLER & W. SCHAWALLER, 2 ex. TMSA, 2 ex. SMNS. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1400 m, 13.–14.XII.2003, leg. W. SCHAWALLER, 8 ex. SMNS. – South Africa, Limpopo, Lindani NR, 18.–19.XI.2004, leg. P. SCHÜLE, 2 ex. SMNS. – South Africa, Limpopo, Klaserie, 25.–27.XI.2002, leg. P. SCHÜLE, 4 ex. SMNS. – South Africa, Limpopo, 10 km N Modimolle (Nylstroom), Kuthaba Bush Lodge, 1300 m, 10.–13.XII.2008, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, Limpopo, Lekgala-

meetse NR, 800–1000 m, 27.XI.–1.XII.2008, leg. R. MÜLLER & W. SCHAWALLER, 30 ex. TMSA, 19 ex. SMNS. – South Africa, Limpopo, 15 km N Makhado (Louis Trichardt), 1400–1500 m, 2.–5.XII.2008, leg. R. MÜLLER & W. SCHAWALLER, 6 ex. SMNS, 1 ex. TMSA. – South Africa, Limpopo, Zoutpansberg, Medike, 4.V.2000, leg. J. DECKERT, 1 ex. MNB. – South Africa, Gauteng, Cullinan, Windy Brow, 23.I.2002, leg. TMSA staff, 15 ex. TMSA. – South Africa, Gauteng, Ezemvelo NR, 25.–27.II.2009, leg. D. MACFADYEN, 2 ex. TMSA. – South Africa, Mpumalanga, Blyderiverspoort NR, 13.XII.1995, leg. F. KOCH, 1 ex. MNB. – South Africa, Mpumalanga, Mariepskop, Blyde River, 800–1000 m, 23.–26.XI.2008, leg. W. SCHAWALLER, 7 ex. SMNS. – South Africa, Mpumalanga, Mariepskop Forest, 990 m, 26.XI.2008, leg. R. MÜLLER, 5 ex. TMSA. – South Africa, Mpumalanga, Groblersdal, 19.IX.2002, leg. TMSA staff, 4 ex. TMSA. – South Africa, KwaZulu-Natal, SW Magudu, 4.–5.I.2009, leg. R. MÜLLER & P. SCHÜLE, 7 ex. TMSA, 5 ex. SMNS. – South Africa, KwaZulu-Natal, Cathedral Peak Park, 1500 m, 24.–27.XI.2003, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, KwaZulu-Natal, Ndumo Game Reserve, 20.–22.XI.2002, leg. W. SCHAWALLER, 4 ex. SMNS. – South Africa, KwaZulu-Natal, Kosi Bay NR, 11.–17.XI.2002, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, KwaZulu-Natal, Hluhluwe, 70 m, 7.–8.XII.2011, leg. R. MÜLLER, 2 ex. TMSA. – Angola, Cunene Prov., 10 km N Humbe, 3.XI.2011, leg. P. SCHÜLE, 1 ex. SMNS. – Angola, Huila Prov., 10 km SW Cacula, 1550 m, 4.–6.XI.2011, leg. R. MÜLLER & P. SCHÜLE, 3 ex. TMSA, 5 ex. SMNS. – Angola, Huila Prov., 20 km S Caluquembe, 1620 m, 6.–7.XI.2011, leg. R. MÜLLER & P. SCHÜLE, 2 ex. TMSA, 23 ex. SMNS. – Angola, Huila Prov., 3.5 km SW Negola, 8.XII.2012, leg. P. SCHÜLE, 3 ex. SMNS.

Type locality: “Gabon”.

Remarks: The status of the subspecies *modestus* Pic, 1944 (type locality “Moto, Congo”) is unclear. BREMER (2001) has some doubt about the synonymy of *G. parvulus/strigipennis*.

Distribution: Gabon, Nigeria, Congo, Guinea, Cameroon, Ethiopia, Kenya, Tanzania, South Africa (ARDOIN 1964); Ivory Coast (BREMER 1995); Gambia (GRIMM 2002); Namibia (FERRER 2004); Uganda, Zimbabwe, Botswana, Mozambique, Angola (new records).

Gonocnemis surcoufi Pic, 1928 (Fig. 10)

Gonocnemis massarti Pic, 1937 syn.

New material: Congo [labelled as Congo Belge], Bururi/Urundi, V.1959, leg. R. P. GIRAUDIN, 1 ex. CRG. – Malawi, Lengwe NP, 3.–5.XI.1994, leg. K.-G. BERNHARDT, 1 ex. CRG. – Kenya, Tsavo West NP, near Kitani Lodge, Hung. Sci. Africa Exp. “Teleki”, 17.IV.1988, leg. A. VOJNITS, 1 ex. HNHM (det. BREMER). – Tanzania, Dodoma Prov., 40 km N Dodoma, 1100 m, 15.XII.2007, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, Morogoro, light trap, II.1970, leg. T. PÓCS, 1 ex. HNHM (det. BREMER). – Zimbabwe, 20 km SE Birchenough Bridge, 800 m, 24.I.1998, leg. F. KANTNER, 1 ex. SMNS. – Zambia, 150 km S Kasemba, 11.XI.2002, leg. F. WACHTEL, 2 ex. CRG. – Zambia, 30 km NE Livingstone, 1.XI.2002, leg. F. WACHTEL, 1 ex. CRG. – Botswana, 10 km NE Martin's Drift, 7.I.2010, leg. P. SCHÜLE, 3 ex. SMNS. – Botswana, Maun, 3.XII.1974, leg. F. KIRSTEN & C. SCHOLTZ, 2 ex. TMSA. – Mozambique, Sofala Prov., Gorongosa Reserve, 18.–19.XII.2005, leg. P. SCHÜLE, 1 ex. SMNS. – Mozambique, Sofala Prov., 30 km S Caia, 75 m, 21.XII.2005, leg. S. GUSSMANN & R. MÜLLER, 1 ex. TMSA. – Mozambique, Sofala

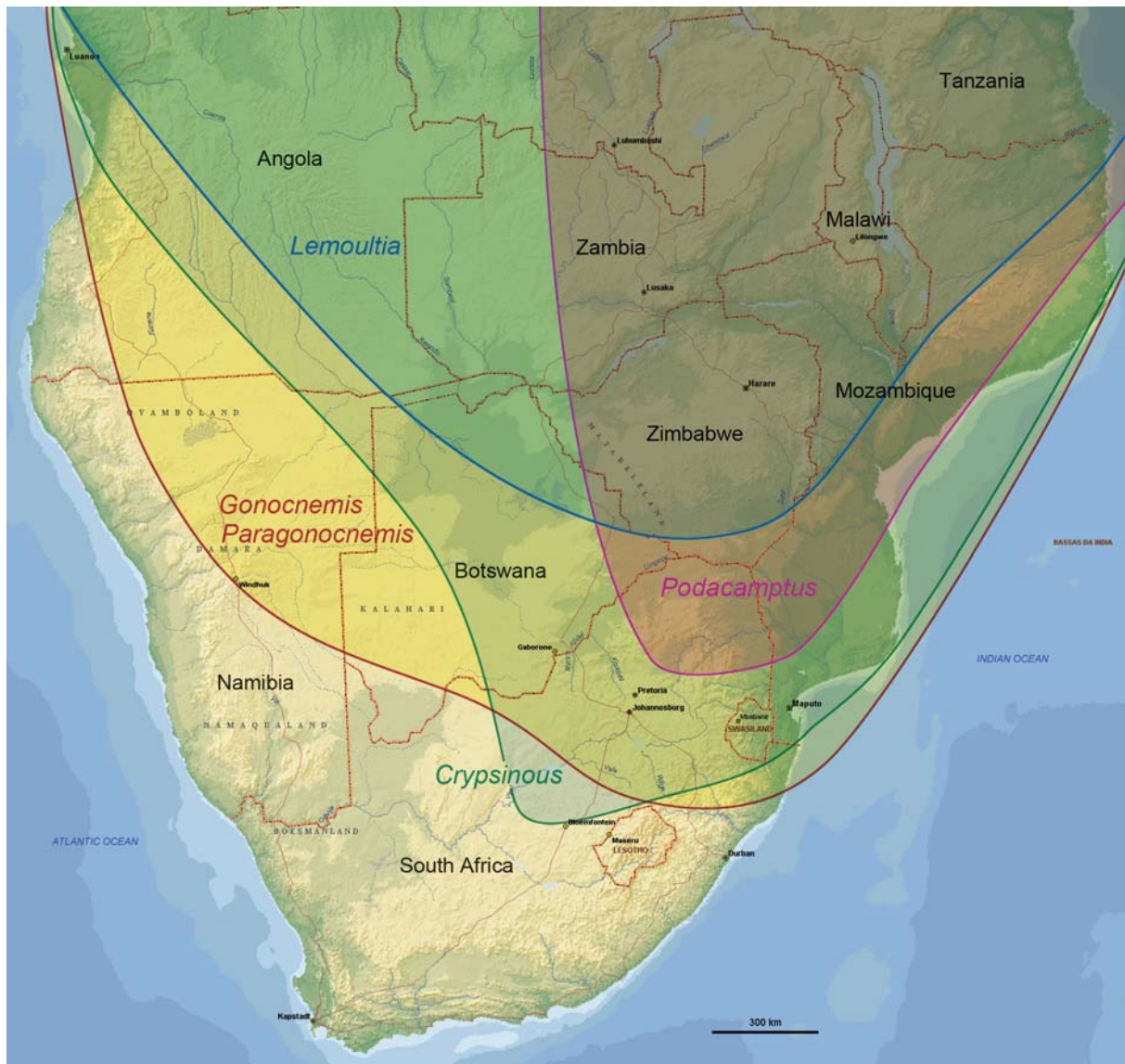
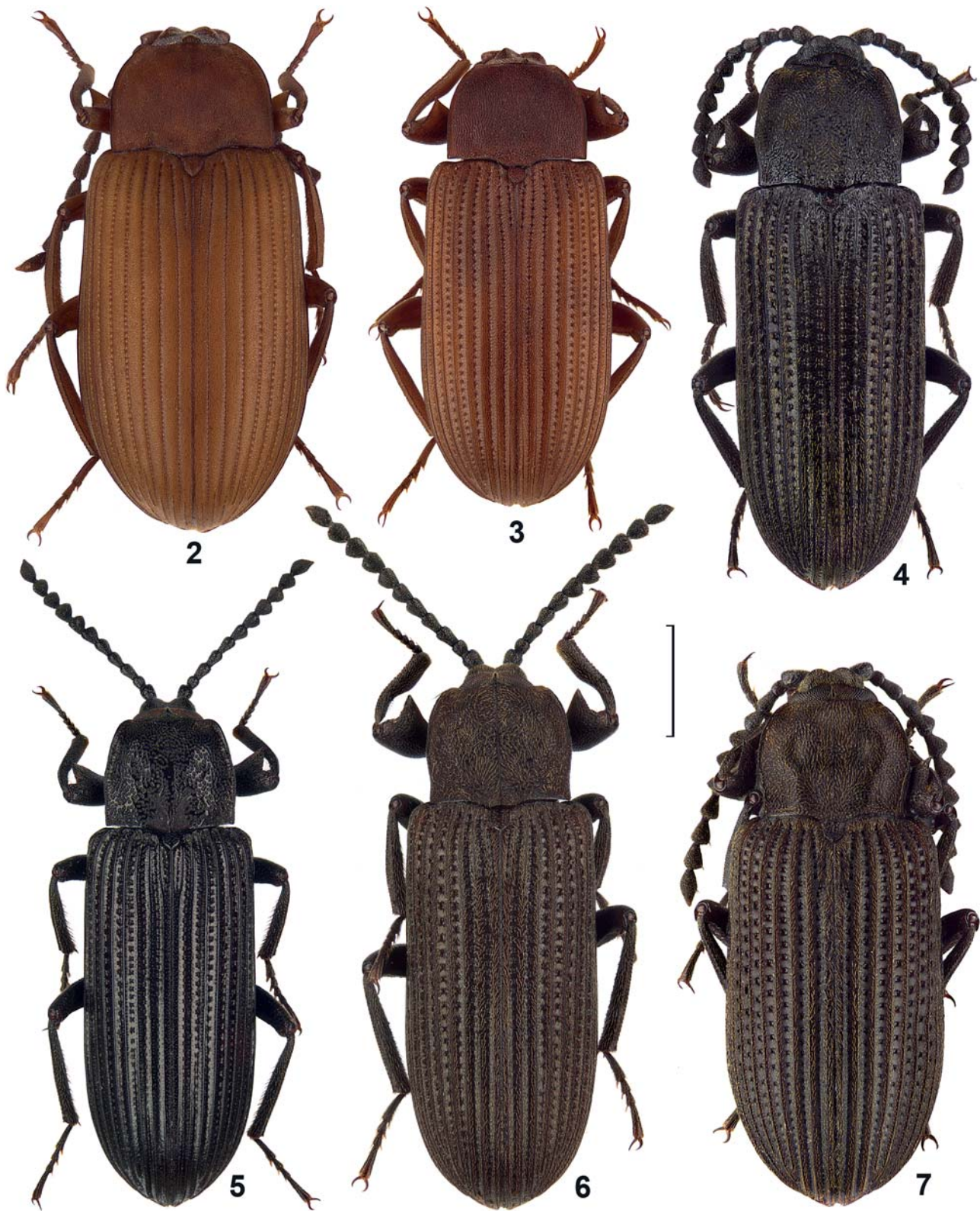


Fig. 1. Known distribution (idealised) of the genera *Gonocnemis*, *Paragonocnemis*, *Crypsinous*, *Lemoultia* and *Podacamptus* in Southern Africa. – Modified Microsoft Encarta Map.

Prov., 30 km S Caia, 3.XII.2006, leg. P. SCHÜLE, 2 ex. SMNS. – Namibia, Caprivi, Omega, 7.I.1985, leg. E. HOLM & C. SCHOLTZ, 1 ex. TMSA. – Namibia, Odjondjupa Distr., Hohenfels, Weavers Rock, 13.XII.2012, leg. P. SCHÜLE, 4 ex. SMNS. – Namibia, Odjondjupa Distr., Otjiamongombe, 1500 m, 26.II.–2.III.2003, leg. J. FRISCH & K. VOHLAND, 9 ex. MNB. – Namibia, Odjondjupa Distr., Toggekry 250 (Omatako), N Okahandja, 11.I.2007, leg. J. DECKERT, 1 ex. MNB. – Namibia, Osona near Okahandja, 27.II.–2.III.2001, leg. U. GÖLLNER, 1 ex. MNB. – Namibia, Okaparakaha, 90 km NE Windhoek, Voigts Farm, 2.–4.III.2001 and 2.III.2002, leg. U. GÖLLNER, 2 ex. MNB. – Namibia, Bagani, 30.IX.–4.X.1990, leg. P. SCHÜLE, 1 ex. SMNS. – N Namibia, 50 km S Okakarara, 1400 m, 4.–5.III.2006, leg. W. SCHAWALLER, 2 ex. SMNS. – South Africa, Limpopo, Thabazimbi, 16.XI.2002, leg. F. WACHTEL, 3 ex. CRG. – South Africa, Limpopo, Bela-Bela

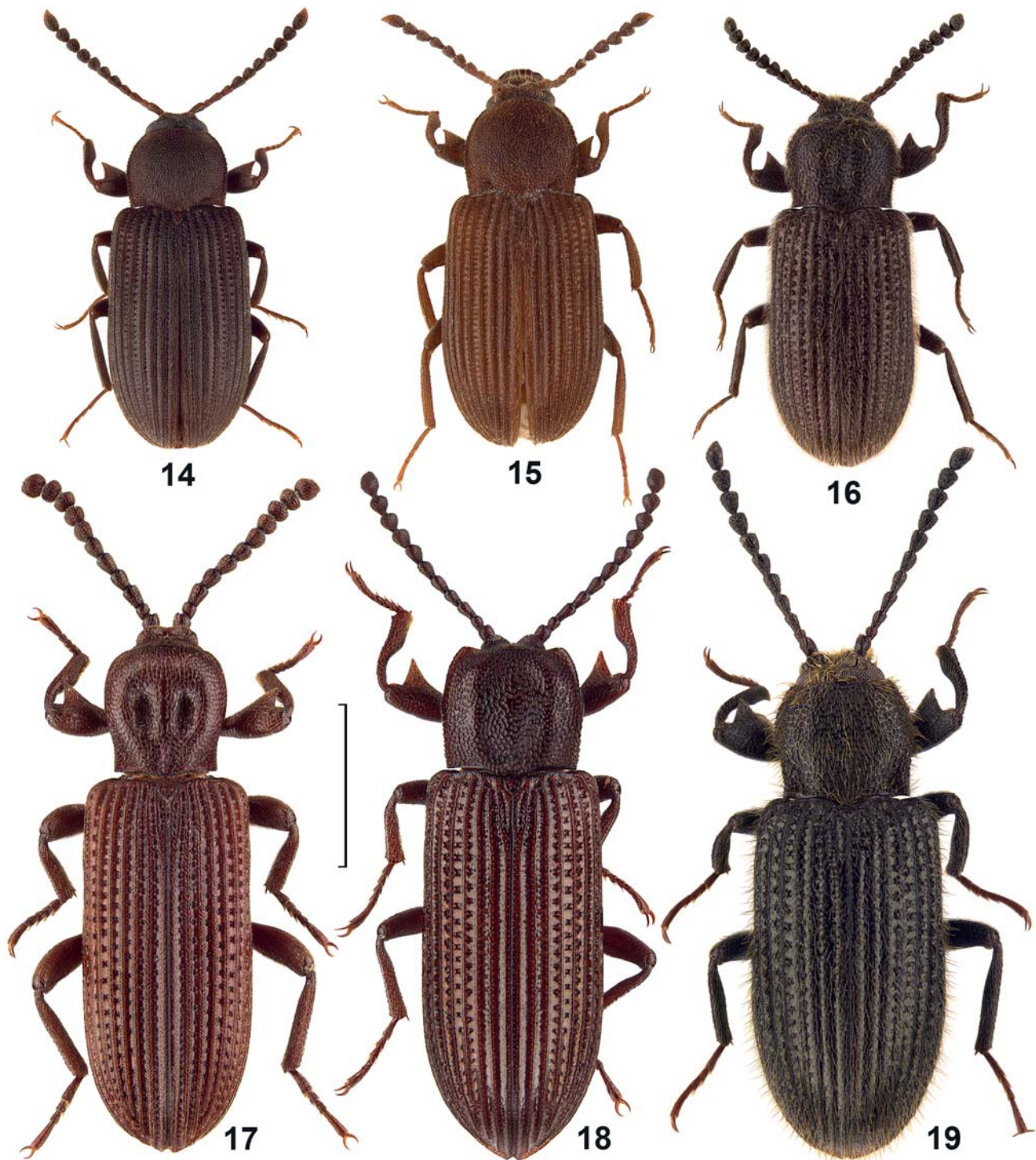
(Warmbaths), 16.I.1999, leg. P. SCHÜLE, 1 ex. SMNS. – South Africa, Limpopo, Makhado (Louis Trichardt), 17.–19.I.1999, leg. P. SCHÜLE, 1 ex. SMNS. – South Africa, Limpopo, Hans Merensky NR, 20.I.1999, leg. P. SCHÜLE, 1 ex. SMNS. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1400 m, 13.–14.XII.2003, leg. R. MÜLLER & W. SCHAWALLER, 5 ex. SMNS, 1 ex. TMSA. – South Africa, Limpopo, Amatola Farm NE Vivo, 1000 m, 15.–17.XII.2003, leg. W. SCHAWALLER, 2 ex. SMNS. – South Africa, Limpopo, Lekgalameetse, 850 m, 27.XI.–1.XII.2008, leg. W. SCHAWALLER, 3 ex. SMNS. – South Africa, Limpopo, 15 km N Makhado (Louis Trichardt), 1400–1500 m, 2.–5.XII.2008, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, Limpopo, Krüger NP, Skukuza, Sabie Forest, 14.I.1996, leg. S. ENDRÖDY-YOUNGA, 4 ex. TMSA. – South Africa, Mpumalanga, Blyderivierspoort NR, 13.XII.1995, leg. F.



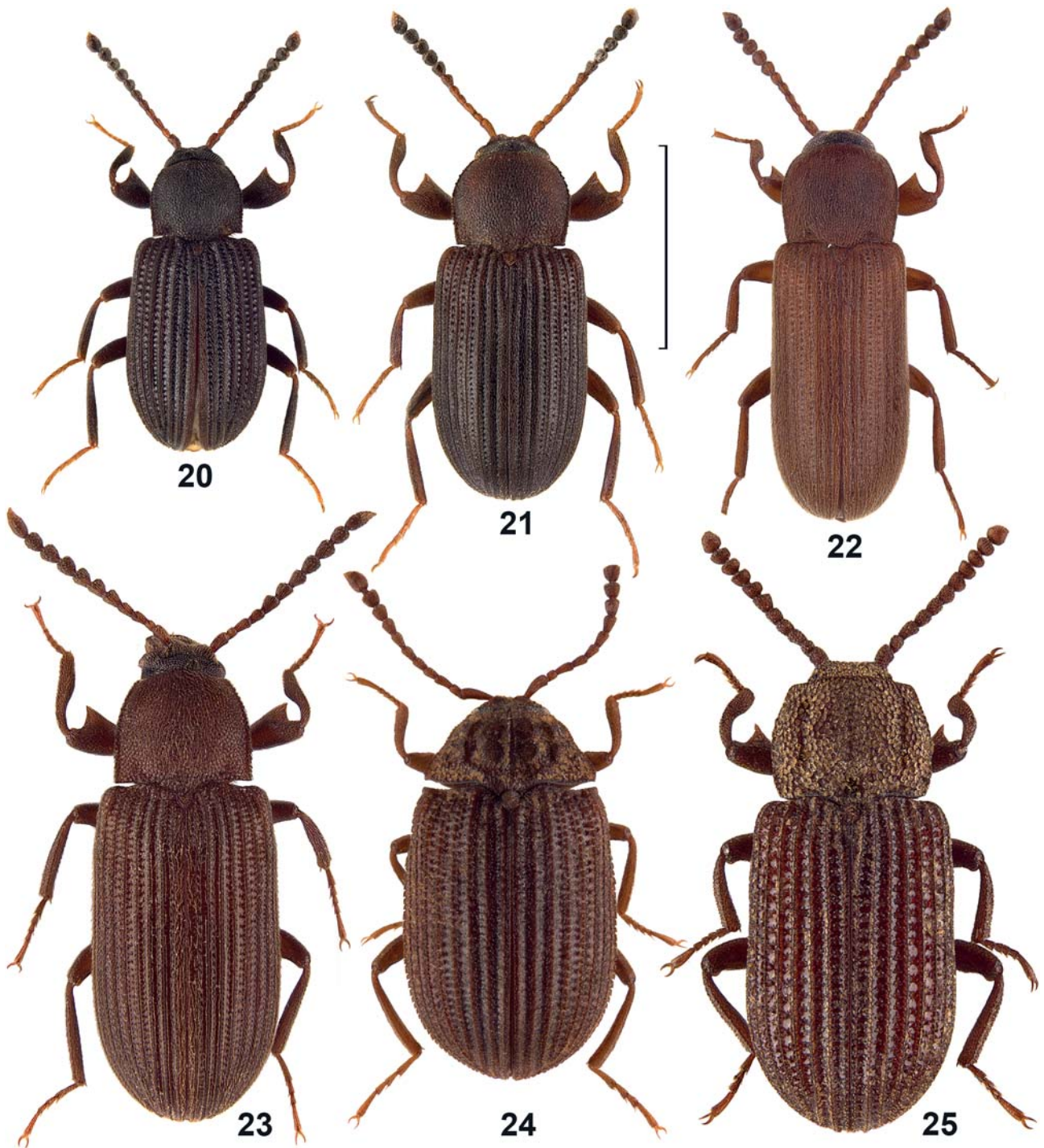
Figs. 2–7. *Gonocnemis* spp., dorsal views. – 2. *G. opacus* Pic, 1919, non-type Kenya, SMNS. 3. *G. ghesquieri* Pic, 1937, non-type South Africa, SMNS. 4. *G. carinatus* Kraatz, 1899, non-type Angola, SMNS. 5. *G. sicutensis* Pic, 1915, non-type Zambia, SMNS. 6. *G. raffrayi* Fairmaire, 1891, non-type Angola, SMNS. 7. *G. oberthueri* Ardoin, 1964, non-type Tanzania, SMNS. – Scale: 2 mm.



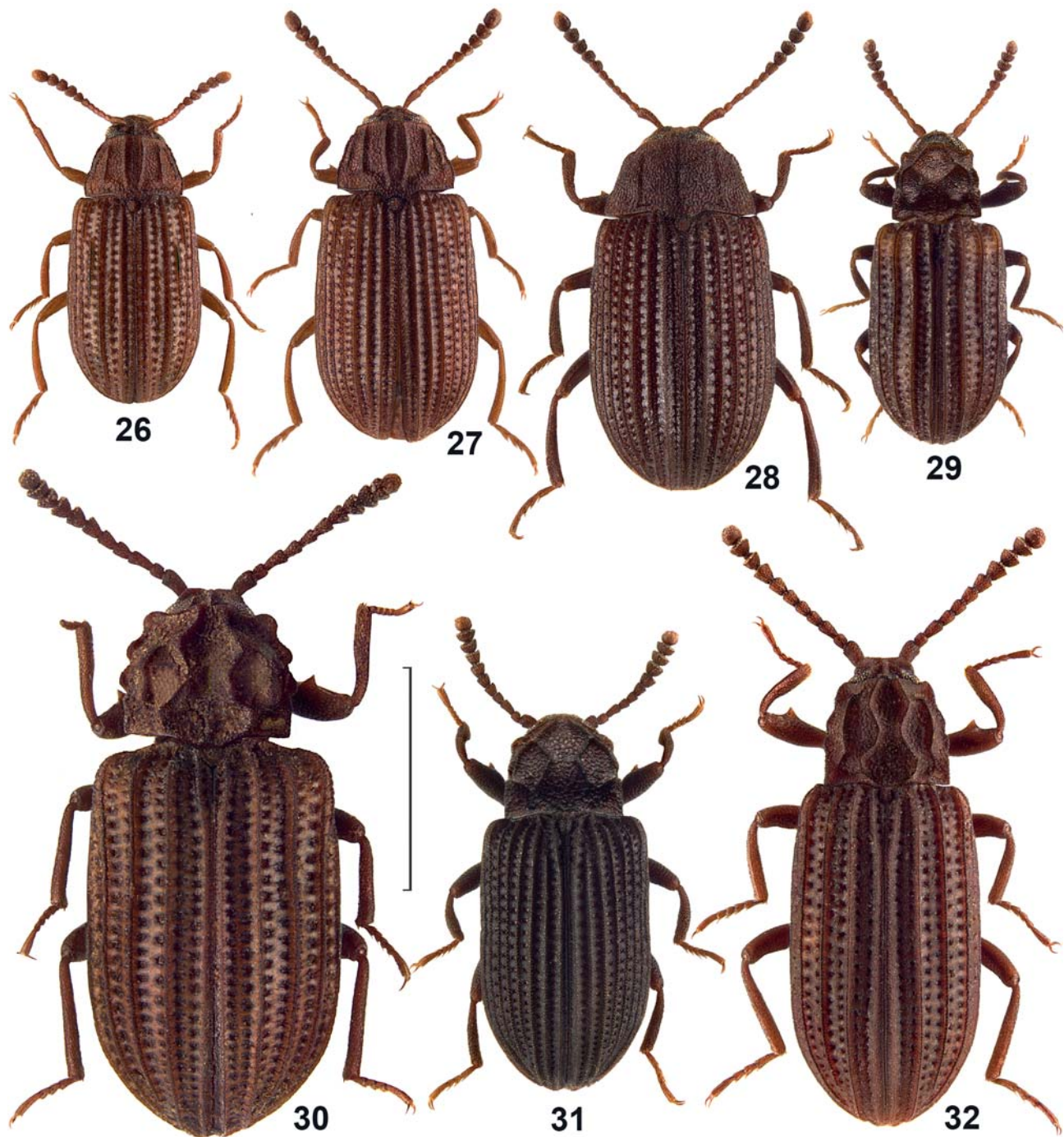
Figs. 8–13. *Gonocnemis* spp., dorsal views. – **8.** *G. bicolor* Pic, 1926, non-type South Africa, SMNS. **9.** *G. agrestis* Péringuey, 1896, non-type Angola, SMNS. **10.** *G. surcoufi* Pic, 1928, non-type Namibia, SMNS. **11.** *G. rusticus* Péringuey, 1896, non-type South Africa, SMNS. **12.** *G. denticollis* Pic, 1937, non-type South Africa, SMNS. **13.** *G. mourgliai* Bremer, 1997, holotype Kenya, ZSM. – Scale: 2 mm.



Figs. 14–19. *Gonocnemis* spp., dorsal views. – **14.** *G. strigipennis* Thomson, 1858, non-type South Africa, SMNS. **15.** *G. triimpresus* Pic, 1931, non-type South Africa, SMNS. **16.** *G. seydeli* Pic, 1937, non-type South Africa, SMNS. **17.** *G. impressicollis* Péringuey, 1896, non-type Zambia, SMNS. **18.** *G. sinuaticollis* Kolbe, 1883, non-type Tanzania, SMNS. **19.** *G. aeneipennis* Pic, 1919, non-type Zambia, SMNS. – Scale: 2 mm.



Figs. 20–25. *Gonocnemis*, *Lemoultia*, and *Crypsinous* spp., dorsal views. – 20. *G. myrmido* Fairmaire, 1882, non-type South Africa, SMNS. 21. *G. senegalensis* Fairmaire, 1894, non-type South Africa, SMNS. 22. *G. hayekae* Ardoïn, 1964, non-type Angola, SMNS. 23. *G. parallelepennis* Ardoïn, 1964, non-type Namibia, SMNS. 24. *L. scabripennis* Chatanay, 1913, non-type Angola, SMNS. 25. *C. latifrons* (Gebien, 1914), non-type Tanzania, SMNS. – Scale: 2 mm.



Figs. 26–32. *Paragonocnemis* and *Podacampton* spp., dorsal views. – 26. *Par. carinatus* Pic, 1936, non-type South Africa, SMNS. 27. *Par. basilewskyi* Ardoïn, 1964, non-type South Africa, SMNS. 28. *Pod. seydeli* Ardoïn, 1969, non-type Zimbabwe, SMNS. 29. *Par. seydeli* Ardoïn, 1964, non-type South Africa, SMNS. 30. *Par. angolaensis* n. sp., holotype Angola, SMNS. 31. *Par. rufus* Pic, 1915, non-type South Africa, SMNS. 32. *Par. foveicollis* Fairmaire, 1891, non-type Cameroon, SMNS. – Scale: 2 mm.

KOCH, 1 ex. MNB. – South Africa, Mpumalanga, Der Brochen, 7.XII.2005, leg. J. HARRISON, 1 ex. TMSA. – South Africa, Mpumalanga, Mariepskop Forest Reserve, 25.–26.XI.2008, leg. R. MÜLLER, 2 ex. TMSA. – South Africa, KwaZulu-Natal, Ndumo NR, 20.–22.XI.2002, leg. W. SCHAWALLER, 3 ex. SMNS. – South Africa, KwaZulu-Natal, SW Magudu, 480 m, 4.–5.I.2009, leg. P. SCHÜLE, 5 ex. TMSA, 11 ex. SMNS. – Angola, Huila Prov., 10 km SW Cacula, 4.–6.XI.2011, leg. P. SCHÜLE, 2 ex. SMNS. – Angola, Huila Prov., 20 km S Caluquembe, 6.–7.XI.2011, leg. P. SCHÜLE, 16 ex. SMNS. – Angola, Huila Prov., 15 km S Caluquembe, 1620 m, 6.XI.2011, leg. R. MÜLLER, 2 ex. TMSA. – Angola, Huambo Prov., 75 km N Caconda near Cuima, 10.–11.XI.2011, leg. P. SCHÜLE, 3 ex. SMNS. – Angola, Cunene Prov., Categuero, 10.XII.2012, leg. P. SCHÜLE, 3 ex. SMNS. – Angola, Bié Prov., Chissamba Mission Station, 1440 m, 9.XI.2011, leg. R. MÜLLER, 1 ex. TMSA.

Type locality: “Afr. or., Cauxixe”.

Distribution: Ethiopia, Congo, Kenya, Tanzania, Zimbabwe (ARDOIN 1964); Namibia (FERRER 2004); Yemen (SCHAWALLER 2007); Angola, Malawi, Botswana, Mozambique, South Africa (new records).

Gonocnemis triimpressus Pic, 1931 (Fig. 15)

New material: Ghana, Ashanti Region, Kumasi, 330 m, 15.IX.1967, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA. – Ghana, Ashanti Region, Kwadaso, 27.II.1969, leg. S. ENDRÖDY-YOUNGA, 16 ex. TMSA, 2 ex. SMNS. – Gabon, Ivindo NP, D’Ipassa, 500 m, 16.–29.II.2012, leg. C. MASSARONE, 1 ex. CERM. – Tanzania, Morogoro, 560 m, III.–IV.1987, leg. PÓCS & SONTERA, 1 ex. HHNM (det. BREMER). – Zimbabwe [labelled as S Rhodesia], Hope Fountain, 4.I.1923, leg. N. JONES, 1 ex. SMNS (det. ARDOIN). – Namibia, Odjondjupa Distr., Otjiamongombe, 1500 m, 28.II.2003, leg. J. FRISCH & K. VOHLAND, 2 ex. MNB. – Namibia, Odjondjupa Distr., Toggekry, 1100 m, 5.III.2003, leg. J. FRISCH & K. VOHLAND, 1 ex. MNB. – Namibia, Odjondjupa Distr., Omatako, 25.–27.V.2003, leg. U. GÖLLNER, 1 ex. MNB. – South Africa, Limpopo [labelled as Transvaal], Waterval Farm, I.–II.1992, leg. R. DIXON, 2 ex. SMNS (det. BREMER). – Angola, Cunene Prov., N Humbe, 1090 m, 3.XI.2011, leg. R. MÜLLER, 2 ex. TMSA. – Angola, Huila Prov., 15 km S Caluquembe, 1620 m, 6.XI.2011, leg. R. MÜLLER & P. SCHÜLE, 1 ex. TMSA, 2 ex. SMNS. – Angola, Huila Prov., 75 km N Caconda, 1640 m, 10.XI.2011, leg. R. MÜLLER, 1 ex. TMSA.

Type locality: “Somalie”.

Remarks: This species is similar to *G. strigipennis*, but in *G. triimpressus* the elytral setation is distinctly sparser and longer.

Distribution: Guinea (ARDOIN 1963); Ivory Coast, Nigeria, Cameroon, Congo, Somalia, Kenya, Tanzania (ARDOIN 1964); Gambia (GRIMM 2002); Namibia (FERRER 2004); Ghana, Gabon, Zimbabwe, Angola, South Africa (new records).

4 Species of *Paragonocnemis*

Paragonocnemis angolaensis n. sp. (Fig. 30)

Holotype (♀): Angola, Huila Prov., 20 km S Caluquembe, 6.–7.XI.2011, leg. P. SCHÜLE, SMNS.

Paratype: Angola, Huila Prov., 75 km N Caconda, 1640 m, 7.XI.2011, leg. R. MÜLLER, 1 ♀ TMSA.

Etymology: The species is named after Angola, where the type specimens were collected.

Description: Body length 4.8–5.0 mm, dorsal surface dull, without setation. Head with deep triangular impression between eyes, clypeal suture deeply impressed; frons between eyes triangular with higher median keel and two lower lateral keels, these keels confluent anteriorly; eyes reniform; antennae without peculiarities. Pronotum with pattern of keels as in Fig. 30, these keels high and partly tooth-like; anterior corners rounded, posterior corners rectangular, lateral margins distinctly sinuate, basal margin completely dull without shining parts. Elytra broad and parallel, 1.5 times as long as wide, elytral intervals 1, 3, 5, 7 and 9 with similarly high and complete keels, interval 8 at base with short keel not surpassing lateral margin; punctures of the elytral rows large, intervals 2, 4 and 6 narrower than puncture diameter. Legs without peculiarities. Aedeagus unknown, only females available.

Diagnosis: Following ARDOIN (1964), *P. angolaensis* n. sp. belongs to the *foveicollis-humerosus* species group in the subgenus *Paragonocnemis* Kraatz, 1899, having narrow triangular frons with three keels, and the elytra with complete keels only in the odd-numbered intervals. *P. angolaensis* n. sp. and *P. foveicollis* Fairmaire, 1891 share the larger body size, but in the latter the elytra are narrower and longer, about twice as long as wide, and the pronotum has a narrower shape with lower keels (Fig. 32). All the other species of the group are distinctly smaller (2.8–4.0 mm), have lower pronotal keels, and have different combinations of characters: either the first elytral interval with a lower keel in contrast to the other intervals (*P. humerosus* Ardoïn, 1964), or the elytral interval 8 bears at the base a different and more dilated keel (compare ARDOIN 1964: figs. 201, 203), or the basal margin of the pronotum is shining (*P. wasmanni* Ardoïn, 1964).

Remarks: The aedeagi in the *Gonocnemis/Paragonocnemis* genera group are nearly unknown, at least ARDOIN (1964) in his monograph has not figured these. A few random tests by the author demonstrate that the aedeagi are quite uniform in this group, in contrast to the specific external pattern of characters. These external characters are not distinctly different between males and females. Most of the related species were described from single females. So it seems justified to describe here a new species on the basis of two females only.

Paragonocnemis basilewskyi Ardoïn, 1964 (Fig. 27)

New material: Namibia, Damaraland, Abachaus, XII.1951, leg. G. HOBOM, 1 ex. TMSA (det. BREMER). – Zambia, Ikengele, Nchila Reserve, 6.XI.2002, leg. F. WACHTEL, 1 ex. CRG. – Zimbabwe, Masvingo Prov., Lake Mutirikwe, 1020 m, 27.XI.2006, leg. S. GUSSMANN & R. MÜLLER, 1 ex. TMSA. – South Africa, Limpopo, Thabazimbi, 16.XI.2002, leg. F. WACHTEL, 1 ex.

CRG. – South Africa, Limpopo, Naboomspruit, Torino Farm, 15.I.1990, leg. S. ENDRÖDY-YOUNGA, 1 ex. SMNS (det. BREMER). – South Africa, Limpopo, Soutpans, Tswaing, 4.II.1997, leg. M. KRÜGER & B. DOMBROWSKY, 6 ex. TMSA. – South Africa, Limpopo, SW Makopane, Mabote Farm, 1200 m, 21.–23.II.2012, leg. R. MÜLLER & W. SCHAWALLER, 3 ex. TMSA, 4 ex. SMNS. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1300 m, 24.–25.II.2012, leg. R. MÜLLER & W. SCHAWALLER, 4 ex. TMSA, 1 ex. SMNS. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1400 m, 13.–14.XII.2003, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, Limpopo, 40 km NE Vaalwater, Farkenfontein, 27.–28.XI.2002, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, Limpopo, Lindani NR, 18.–19.XI.2004, leg. P. SCHÜLE, 2 ex. SMNS. – South Africa, Limpopo, 10 km N Modimolle (Nylstroom), Kuthaba Bush Lodge, 1300 m, 10.–13.XII.2008, leg. R. MÜLLER, 1 ex. TMSA. – South Africa, Mpumalanga, Waterval Farm, 8.I.1992, leg. R. DIXON, 5 ex. TMSA. – South Africa, Mpumalanga, Groblersdal, 19.IX.2002, leg. TMSA staff, 3 ex. TMSA. – South Africa, Gauteng, Pretoria, Roodeplaat NR, 8.–10.X.1960, leg. H. NEUBECKER, 2 ex. TMSA. – Angola, Bié Prov., Angola, Bié Prov., Chissamba Mission Station, 1440 m, 9.XI.2011, leg. R. MÜLLER, 1 ex. TMSA. – Angola, Huila Prov., 15 km S Caluquembe, 1620 m, 6.XI.2011, leg. R. MÜLLER, 1 ex. TMSA. – Angola, Huila Prov., 75 km N Caconda, 7.XI.2011, leg. R. MÜLLER, 2 ex. TMSA.

Type locality: “Élisabethville, Congo”.

Remarks: Status of the subgenus *Microgonocnemis* Pic, 1936 is unclear.

Distribution: Congo (ARDOIN 1964); Zimbabwe, Zambia, Angola, South Africa (new records).

Paragonocnemis carinatus Pic, 1936 (Fig. 26)

New material: Ethiopia, Ambo, 13.X.1990, leg. L. B. RYBALOV, 1 ex. SMNS (det. BREMER). – Tanzania, Morogoro, 560 m, III.–IV.1987, leg. PÖCS & SONTERA, 2 ex. HNHN (det. BREMER). – Tanzania, Morogoro, University Campus, 29.I.1988, leg. T. PÖCS, 1 ex. HNHN (det. MERKL). – Zambia, Central Prov., Tatayoyo, 1200 m, 18.XI.2010, leg. F. GÉNIER, 3 ex. CNC. – Zambia, Central Prov., 25 km NE Lilemone, 1250 m, 5.XII.2010, leg. F. GÉNIER, 13 ex. CNC, 2 ex. SMNS. – Zambia, Central Prov., 100 km SW Serenje, 7.XII.2002, leg. F. & L. KANTNER, 2 ex. SMNS. – Zambia, Copperbelt Prov., NW Kapiri Mposhi, 8.XII.2002, leg. F. & L. KANTNER, 2 ex. SMNS. – Zimbabwe, Zvishavane, 80 km W Masvingo, 3.II.1998, leg. F. KANTNER, 1 ex. SMNS. – South Africa, Limpopo, Krüger NP, Skukuza, 20.II.1995, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA. – South Africa, Limpopo, Lekgalameetse, 850 m, 27.XI.–1.XII.2008, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, KwaZulu-Natal, Ndumo, 1.XII.1992, leg. S. ENDRÖDY-YOUNGA, 2 ex. TMSA, 1 ex. SMNS. – South Africa, KwaZulu-Natal, Ndumo NR, 100 m, 12.XII.2010, leg. R. MÜLLER, 3 ex. TMSA. – South Africa, KwaZulu-Natal, SW Magudu, 480 m, 4.–5.I.2009, leg. P. SCHÜLE, 9 ex. SMNS, 1 ex. TMSA. – South Africa, KwaZulu-Natal, Ntinini NR, 1020 m, 1.XII.2010, leg. R. MÜLLER, 2 ex. TMSA. – South Africa, KwaZulu-Natal, Hluhluwe, 70 m, 7.–8.XII.2010, leg. R. MÜLLER, 12 ex. TMSA, 2 ex. SMNS. – Angola, Huila Prov., 10 km SW Cacula, 4.–6.XI.2011, leg. P. SCHÜLE, 1 ex. SMNS.

Type locality: “Congo belge”.

Distribution: Congo (ARDOIN 1964); Ethiopia, Tanzania, Zambia, Zimbabwe, Angola, South Africa (new records).

Paragonocnemis foveicollis Fairmaire, 1891 (Fig. 32)

Paragonocnemis sculpticollis Kraatz, 1899 syn.

Paragonocnemis longipennis Pic, 1899 syn.

Paragonocnemis foveicollis rufescens Pic, 1936 syn.

Paragonocnemis foveicollis quinqueareolatus Pic, 1936 syn.

New material: Cameroon, North-West Prov., Bafut, 10 km W Big Babanki, 900 m, 12.III.2008, leg. M. ŘIHA, 1 ex. SMNS. – Cameroon, N’Kongsamba, IV.–V.1958, leg. J. CANTALOUBE, 2 ex. TMSA (det. ARDOIN as *P. sculpticollis*). – Congo, Epulo, 29.–30.XII.1948, leg. J. C. BRADLEY, 2 ex. TMSA (det. ARDOIN as *P. foveicollis*). – Kenya, Thika, I.1927, leg. A. F. J. GEDYE, 1 ex. TMSA (det. BLAIR & BREMER). – Kenya, Nyandu Distr., Muhoroni, III.1936, leg. H. J. A. TURNER, 1 ex. TMSA (det. BREMER).

Type locality: “Sierra Leone”.

Distribution: Sierra Leone, Cameroon, Gabon, Sudan, Congo, Kenya, Tanzania (ARDOIN 1964).

Paragonocnemis rufus Pic, 1915 (Fig. 31)

New material: Kenya, Kangonde, Kithioko, 6.IV.2004, leg. M. SNIŽEK, 1 ex. SMNS. – Tanzania [labelled as D. O. Afrika], Gomba, 1912, leg. Inst. Amani, 2 ex. MNB. – Tanzania, Dodoma Prov., 40 km N Dodoma, 1100 m, 15.XII.2007, leg. F. KANTNER, 1 ex. SMNS. – Zambia, Central Prov., Tatayoyo, 1200 m, 18.XI.2010, leg. F. GÉNIER, 1 ex. CNC. – Zambia, Central Prov., 25 km NE Lilemone, 1250 m, 5.XII.2010, leg. F. GÉNIER, 13 ex. CNC, 2 ex. SMNS. – Zambia, Eastern Prov., 8 km E Kacholola, 900 m, 23.XI.2010, leg. F. GÉNIER, 1 ex. CNC. – Zambia, Mumpwa, 12.XI.2002, leg. F. WACHTEL, 1 ex. CRG. – Zambia, 150 km S Kasemba, 11.XI.2002, leg. F. WACHTEL, 3 ex. CRG. – Zimbabwe, Zvishavane, 80 km W Masvingo, 3.II.1998, leg. F. KANTNER, 1 ex. SMNS. – Zimbabwe, Masvingo, Lake Mutirikwe, 27.XI.2006, leg. S. GUSSMANN & R. MÜLLER, 1 ex. TMSA. – Botswana, 10 km NE Martin’s Drift, 7.I.2010, leg. P. SCHÜLE, 4 ex. SMNS. – N Namibia, 45 km SE Okakarara, 1300 m, 24.–25.IV.2005, leg. W. SCHAWALLER, 1 ex. SMNS. – Namibia, Odjozondjupa Distr., Toggekry 250 (Omatoko), 1520 m, 8.III.2003, leg. J. FRISCH & K. VOHLAND, 1 ex. MNB. – Namibia, Odjozondjupa Distr., Otjomongombe West 44, 1500 m, 2.III.2003, leg. J. FRISCH & K. VOHLAND, 1 ex. MNB. – Mozambique, Sofala Prov., 15 km S Condué, Riv. Chiniziua, 200 m, 4.–5.XII.2005, leg. P. SCHÜLE, 2 ex. SMNS. – Mozambique, Sofala Prov., Gorongosa NP, 29.XI.2004, leg. P. SCHÜLE, 2 ex. SMNS. – Mozambique, Sofala Prov., Gorongosa NP, 19.III.2005, leg. S. GUSSMANN & R. MÜLLER, 1 ex. TMSA. – South Africa, Limpopo, Thabazimbi, 16.XI.2002, leg. F. WACHTEL, 1 ex. CRG. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1400 m, 13.–14.XII.2003, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, Limpopo, Lindani NR, 18.–19.XI.2004, leg. P. SCHÜLE, 3 ex. SMNS. – South Africa, Limpopo, Amatola Farm NE Vivo, 1000 m, 15.–17.XII.2003, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, Limpopo, Krüger NP, 3 km NW Skukuza, 6.III.1996, leg. S. ENDRÖDY-YOUNGA, 3 ex. TMSA. – South Africa, Limpopo, Lekgalameetse, 850 m, 27.XI.–1.XII.2008, leg. R. MÜLLER, 1 ex. TMSA. – South Africa, Limpopo, Waterberge, Geelhoutbush Farm, 3.X.1995, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA. – South Africa, Limpopo, Soutpans, Tswaing, 4.II.1997, leg. M. KRÜGER & B. DOMBROWSKY, 2 ex. TMSA. – South Africa, Limpopo, Little Muck, Venetia, 510 m, 2.–3.IV.2009, leg. D. MACFADYEN & R. MÜLLER, 1 ex. TMSA. – South Africa, Mpumalanga, Helena Farm, 1090 m, 11.II.2002, leg. TMSA staff, 1 ex. TMSA. –

South Africa, KwaZulu-Natal, SW Magudu, 480 m, 4.–5.I.2009, leg. P. SCHÜLE, 1 ex. TMSA. – Angola, Huambo Prov., 75 km N Caconda near Cuima, 10.–11.XI.2011, leg. P. SCHÜLE, 1 ex. SMNS. – Angola, Huila Prov., N Caluquembe, 7.XI.2011, leg. R. MÜLLER, 1 ex. TMSA.

Type locality: “Lukafu, Congo”.

Remarks: Status of subgenus *Lycogonocnemis* Pic, 1915 is unclear.

Distribution: Congo, Tanzania (ARDOIN 1964); Kenya, Zambia, Zimbabwe, Botswana, Namibia, Angola, Mozambique, South Africa (new records).

Paragonocnemis seydeli Ardoïn, 1964 (Fig. 29)

New material: Kenya, Kagamega NR, Buyango, 1600 m, 20.XI.2002, leg. D. BARTSCH & A. ZAHM, 1 ex. SMNS. – Kenya, Kagamega NR, 1600 m, 3.VII.2002, collector unknown, 1 ex. MNB. – Zambia, Central Prov., Tatayoyo, 1200 m, 18.XI.2010, leg. F. GÉNIEP, 1 ex. CNC. – Zambia, Central Prov., 25 km NE Lilemone, 1250 m, 5.XII.2010, leg. F. GÉNIEP, 9 ex. CNC, 1 ex. SMNS. – Zambia, North Western Prov., Solwezi, 2.XII.2002, leg. F. & L. KANTNER, 1 ex. SMNS. – Zambia, Copperbelt Prov., NW Kapiri Mposhi, 8.XII.2002, leg. F. & L. KANTNER, 1 ex. SMNS. – Zimbabwe, Masvingo Prov., Lake Mutirikwe (Kyle), 27.XI.2006, leg. S. GUSSMANN, R. MÜLLER & P. SCHÜLE, 5 ex. TMSA, 5 ex. SMNS. – Zimbabwe, Rukwa Prov., 30 km S Mpanda, 31.XII.2006, leg. F. KANTNER, 1 ex. SMNS. – Zambia, Ikengele, Nchila Reserve, 6.XI.2002, leg. F. WACHTEL, 2 ex. CRG. – Botswana, 7 km N Francistown, 25.I.2010, leg. P. SCHÜLE, 1 ex. SMNS. – South Africa, Limpopo, Krüger NP, Skukuza, 17.I.1996, leg. S. ENDRÖDY-YOUNGA, 2 ex. TMSA. – South Africa, Limpopo, Soutpans, Tswaing, 4.II.1997, leg. M. KRÜGER & B. DOMBROWSKY, 10 ex. TMSA. – South Africa, Limpopo, Geelhoutbosch Farm, 14.I.1999, leg. C. L. BELLAMY, 4 ex. TMSA. – South Africa, Limpopo, 20 km NE Modimolle (Nylstroom), Combretum Park, 9.XI.2002, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, Limpopo, SW Makopane, Mabote Farm, 1200 m, 21.–23.II.2012, leg. R. MÜLLER & W. SCHAWALLER, 12 ex. TMSA, 17 ex. SMNS. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1300 m, 24.–25.II.2012, leg. R. MÜLLER & W. SCHAWALLER, 12 ex. TMSA, 7 ex. SMNS. – South Africa, Limpopo, N Makopane (Potgietersrus), Thabaphaswa Farm, 1400 m, 13.–14.XII.2003, leg. R. MÜLLER & W. SCHAWALLER, 8 ex. TMSA, 21 ex. SMNS. – South Africa, Limpopo, Lindani NR, 18.–19.XI.2004, leg. P. SCHÜLE, 7 ex. SMNS. – South Africa, Limpopo, Lekgalameetse, 850 m, 27.XI.–1.XII.2008, leg. R. MÜLLER & W. SCHAWALLER, 2 ex. TMSA, 1 ex. SMNS. – South Africa, Limpopo, 10 km N Modimolle (Nylstroom), Kuthaba Bush Lodge, 1300 m, 10.–13.XII.2008, leg. R. MÜLLER & W. SCHAWALLER, 3 ex. TMSA, 4 ex. SMNS. – South Africa, Mpumalanga, Blyde River Canyon NR, Camp Belvedere, 1150 m, 9.–13.XI.1999, leg. U. GÖLLNER, 1 ex. MNB. – South Africa, Mpumalanga, Mariepskop, Blyde River, 800–1000 m, 23.–26.XI.2008, leg. W. SCHAWALLER, 1 ex. SMNS. – South Africa, Mpumalanga, Groblersdal, 1000 m, 10.III.2005, leg. J. HARRISON, 6 ex. TMSA. – South Africa, Mpumalanga, Groblersdal, 19.IX.2002, leg. TMSA staff, 20 ex. TMSA. – South Africa, KwaZulu-Natal, SW Magudu, 4.–5.I.2009, leg. R. MÜLLER & P. SCHÜLE, 38 ex. TMSA, 6 ex. SMNS. – South Africa, KwaZulu-Natal, Ndumo NR, 20.–22.XI.2002, leg. W. SCHAWALLER, 1 ex. SMNS. – Angola, Huila Prov., 20 km S Caluquembe, 6.–7.XI.2011, leg. P. SCHÜLE, 1 ex. SMNS. – Angola, Huila Prov., 75 km N Caconda, 1640 m, 10.XI.2011, leg. R. MÜLLER, 3 ex. TMSA.

Type locality: “Élisabethville, Congo”.

Distribution: Congo (ARDOIN 1964); Kenya, Zambia, Zimbabwe, Botswana, Angola, South Africa (new records).

5 Species of *Crypsinous*, *Lemoultia* and *Podacamptus*

Crypsinous latifrons (Gebien, 1914) (Fig. 25)

Ubangia latifrons Gebien, 1914.

New material: Guinea, N’Zerekoré, IV.1951, leg. S. H. OLSEN, 1 ex. HNHM (det. KASZAB). – Tanzania, 60 km N Morogoro, 350 m, 13.I.2007, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, 100 km on Kahama road, 1200 m, 24.XII.2006, leg. F. KANTNER, 1 ex. SMNS. – Zimbabwe, Hope Fountain, 18.II.1922, leg. N. JONES, 1 ex. TMSA. – Botswana, 10 km NE Martin’s Drift, 7.I.2010, leg. P. SCHÜLE, 2 ex. SMNS. – South Africa, Mpumalanga, Sabie River, 25.IX.1905, collector unknown, 1 ex. TMSA. – South Africa, Mpumalanga, Waterval Farm, 12.XI.1991, leg. R. DIXON, 1 ex. TMSA. – South Africa, Free State, Bothaville, 15.II.1898, leg. H. BRAUNS, 1 ex. TMSA (det. GEBIEN). – South Africa, KwaZulu-Natal, Ndumo, 1.XII.1992, leg. S. ENDRÖDY-YOUNGA, 1 ex. TMSA (det. BREMER). – Angola, no further data, 1 ex. TMSA.

Type locality: “Duma, Ubangi Distr.”

Remarks: See key to *Crypsinous* species by BREMER (1997).

Distribution: Ivory Coast, Congo (type locality) (ARDOIN 1964); Guinea, Tanzania, Zimbabwe, Botswana, Angola, South Africa (new records).

Lemoultia scabripennis Chatanay, 1913 (Fig. 24)

New material: Guinea, Coyah, IV.1967, leg. K. FERENCZ, 1 ex. HNHM (det. KASZAB). – Guinea, Coyah, 24.X.1967, leg. K. FERENCZ, 1 ex. HNHM (det. KASZAB). – Tanzania, Rukwa Prov., 30 km NW Mpanda, 1280 m, 31.XII.2006, leg. F. KANTNER, 7 ex. SMNS. – Tanzania, 100 km on Kahama Road, 1200 m, 24.XII.2006, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, Mbeva Prov., 70 km N Tanduma, 2.I.2007, leg. F. KANTNER, 2 ex. SMNS. – Zambia, Lusaka Prov., 9 km E Mulalika, 100 m, 24.XI.2010, leg. F. GÉNIEP, 2 ex. CNC, 2 ex. SMNS. – Zambia, Central Prov., 25 km NE Lilemone, 1250 m, 5.XII.2010, leg. F. GÉNIEP, 11 ex. CNC, 2 ex. SMNS. – Zambia, Central prov., 100 km SW Serenje, 7.XII.2002, leg. F. & L. KANTNER, 1 ex. SMNS. – Zambia, Northern Prov., Chipopna Falls, 30 km S Chinsali, 6.–8.XII.2002, leg. F. & L. KANTNER, 2 ex. SMNS. – Zambia, Northwestern Prov., 150 km W Kitwe, 3.XII.2002, leg. F. & L. KANTNER, 1 ex. SMNS. – Zambia, 150 km S Kasemba, 11.XI.2002, leg. F. WACHTEL, 2 ex. CRG. – Malawi, Luwawa, 30 km S Mzimba, 30.–31.XII.2001, leg. J. BEZDEK, 4 ex. SMNS. – Zimbabwe, Umtali, 14.II.1950, leg. N. MITTON, 1 ex. SMNS (det. ARDOIN). – Angola, Huila Prov., 10 km SW Cacula, 1550 m, 4.–6.XI.2011, leg. R. MÜLLER & P. SCHÜLE, 1 ex. TMSA, 16 ex. SMNS. – Angola, Huila Prov., 20 km S Caluquembe, 1600 m, 6.–7.XI.2011, leg. R. MÜLLER & P. SCHÜLE, 1 ex. TMSA, 4 ex. SMNS. – Angola, Huila Prov., 3.5 km SW Negola, 8.XII.2012, leg. P. SCHÜLE, 3 ex. SMNS.

Type locality: “Fort Crampel”.

Distribution: Congo (type locality), Cameroon (ARDOIN 1965); Ivory Coast (BREMER 1995); Guinea, Tanzania, Malawi, Zambia, Zimbabwe, Angola (new records).

Podacampus seydeli Ardoïn, 1969 (Fig. 28)

New material: Tanzania [labelled as D.O. Afrika], Gomba, 1912, leg. Inst. Amani, 3 ex. MNB. – Tanzania, Makoa, 7.–27.I.1959, leg. E. LINDNER, 1 ex. SMNS. – Tanzania, Phani Prov., 15 km N Utete, 70 m, 16.I.2007, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, Phani Prov., 70 km E Morogoro, 300 m, 12.XII.2006, leg. F. KANTNER, 1 ex. SMNS. – Tanzania, Morogoro, 560 m, III.–IV.1987, leg. PÖCS & SONTERA, 4 ex. HNHM (det. BREMER). – Tanzania, Morogoro, University Campus, 13.II.1987, leg. T. PÖCS, 1 ex. HNHM (det. MERKL). – Tanzania, Morogoro, University Campus, 2.VII.1987, leg. T. PÖCS, 1 ex. HNHM (det. MERKL). – Tanzania, Morogoro, University Campus, 29.I.1988, leg. T. PÖCS, 3 ex. HNHM (det. MERKL). – Zambia, Northern Prov., Chipona Falls, 30 km S Chinsali, 5.–6.XII.2002, leg. F. & L. KANTNER, 1 ex. SMNS. – Zambia, Ikengele, Nchila Reserve, 6.XI.2002, leg. F. WACHTEL, 1 ex. CRG. – Zambia, 150 km S Kasemba, 11.XI.2002, leg. F. WACHTEL, 3 ex. CRG. – Zimbabwe, Zvishavane, 80 km W Masvingo, 3.II.1998, leg. F. KANTNER, 1 ex. SMNS. – Mozambique, Sofala Prov., 30 km S Caia, 3.XII.2006, leg. P. SCHÜLE, 3 ex. SMNS. – South Africa, Limpopo, Manyeleti Game Reserve, 16.XI.1986, leg. T. VAN VIEGEN, 2 ex. TMSA. – South Africa, Limpopo, Krüger NP, 12 km S Skukuza, 6.–7.III.1996, leg. S. ENDRÖDY-YOUNGA, 2 ex. TMSA.

Type locality: “Elisabethville, Katanga”.

Distribution: Congo (ARDOIN 1969); Rwanda, South Africa (BREMER 1995); Tanzania, Zambia, Zimbabwe (new records).

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