

SCARABAEIDAE FROM THE KRUGER NATIONAL PARK—I

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This paper is based on the material collected by Dr. L. VÁRI and collaborators, in the Kruger National Park. All the specimens belong to the collections of the Transvaal Museum.

Fam. Scarabaeidae

Tribe Scarabaeini

Genus *Kheper* JANSSENS

JANSSENS, 1940, *Mém. Mus. r. Hist. nat. Belg.* 2^e série, (16) : 14, 59.

Kheper cupreus (CAST.)

Ateuchus cupreus CASTELNAU, 1840, *Hist. Nat. Col.* 2 : 65.

Ateuchus aeruginosus KLUG, 1855, *MonatsBer. Akad. Wiss. Berlin* : 650.

Ateuchus metallicus BOHEMAN, 1857, *Insecta Caffr.* 2 : 164 (♂).

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (4 sp.);

Punda Milia, K.N.P. Survey, 9/11-XII-1963, L. VÁRI (6 sp.).

Distr.—Old Belgian Congo, Rhodesia, Mossambique, South Africa.

Kheper nigroaeneus (BOH.) var. *usurpator* PÉRINGUEY

PÉRINGUEY, 1900 (1901), *Trans. S. Afr. phil. Soc.* 12 : 28, 33, pl. 37, fig. 4.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 sp.).

Distr.—Kenya, Mossambique, South Africa.

Tribe Canthonini

Genus *Anachalcos* HOPE

Anachalcos HOPE, 1837, *Coleopt. Manual* 1 : 50.

Chalconotus REICHE, 1814, *Rev. Zool.* : 212.

Anachalcos convexus BOHEMAN

BOHEMAN, 1857, *Insecta Caffr.* 2 : 196.

Punda Milia, K.N.P. Survey, 9/11-XII-1963, L. VÁRI (2 sp.).

Distr.—South Africa, Mossambique.

Tribe Coprini

Subtribe Coprina

Genus *Copris* MÜLLER

MÜLLER, 1764, *Fauna insectorum Fridrichsdalina* : XI.

Copris elphenor KLUG

Copris elphenor KLUG, 1855, *MonatsBer. Akad. Wiss. Berlin* : 655.

Copris laticornis BOHEMAN, 1857, *Insecta Caffr.* 2 : 226.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 ♀).

Distr.—Somalia, Kenya, Zambia, Rhodesia, Tanzania, Angola, Mossambique, Old Belgian Congo, South Africa, South West Africa.

Copris macer PÉRINGUEY

PÉRINGUEY, 1900 (1901), *Trans. S. Afr. phil. Soc.* 12 : 343, 346.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 ♂).

Distr.—Mossambique, Angola, Rhodesia, Swaziland, South West Africa, South Africa, Zambia.

Subtribe *Pinotina*

Genus *Pedaria* CASTELNAU

CASTELNAU, 1932, *Annls Soc. ent. Fr.* 1 : 403.

Pedaria segregis PÉRINGUEY

PÉRINGUEY, 1900 (1901), *Trans. S. Afr. phil. Soc.* 12 : 279, 283.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (4 sp.);

Shingwedzi, K.N.P. Survey, 19/20-XI-1961, VÁRI et RORKE (1 sp.).

Distr.—Mossambique, South Africa.

Tribe *Onitini*

Genus *Heteronitis* GILLET

GILLET, 1911, *Annls Soc. ent. Belg.* 55 : 311.

Heteronitis castelnavi (HAROLD)

Onitis castelnavi HAROLD, 1862, *Berl. ent. Z.* 6 : 401.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 ♂).

Distr.—Zanzibar, Old Belgian Congo, Mossambique, Botswana, South West Africa, South Africa.

Genus *Onitis* FABRICIUS

FABRICIUS, 1798, *Suppl. Ent. Syst.* : 2.

Onitis alexis KLUG

Onitis alexis KLUG, 1835, *Erman's Reise, Coleopt.* : 32.

Onitis africanus GILLET, 1909, *Bull. Mus. natn. Hist. nat. Paris* 10 : 105.

Onitis inuus KLUG, 1862, *Peters' Reise nach Mossamb.* : 222.

Onitis sphinx HAROLD, 1871, *Col. Hefte*, 8 : 10.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 ♂, 3 ♀♀).

Distr.—Africa, Syria.

Onitis caffer BOHEMAN

Onitis caffer BOHEMAN, 1857, *Insecta Caffr.* 2 : 251.

Onitis nicanor J. LEC., 1861, *Classif. Coleopt. N. America* 1 : 126.

Punda Milia, K.N.P. Survey, 21/23-XI-1961, VÁRI et RORKE (2 ♀♀).

Distr.—South Africa, Mossambique.

Onitis inversidens LANSB.

Onitis inversidens LANSB., 1875, *Annls Soc. ent. Belg.* 18 : 80, 146, ♂.

Onitis inversus LANSB., 1875, *Loc. cit.* : 51.

Onitis aerusator GILLET, 1918, *Zool. Meddedeel. Leiden* 4 : 151, ♂.

Letaba Camp, K.N.P. Survey, 7/8-XII-1963, L. VÁRI (1 ♂).

New to South Africa.

Distr.—East Africa, from Abyssinie till Rhodesia.

Onitis orthopus LANSB.

LANSB., 1875, *Annls Soc. ent. Belg.* 18 : 51, 79 ♂.

Nyandu Bush, K.N.P. Survey, 22-XI-1961, VÁRI et RORKE (1 ♂).

Scarce species in S. Africa.

Distr.—Rhodesia, Lake N'Gami, South Africa.

Onitis picticollis BOHEMAN

BOHEMAN, 1857, *Insecta Caffr.* 2 : 255.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 ♂).

Distr.—South Africa.

Onitis viridulus BOHEMAN

BOHEMAN, 1857, *Insecta Caffr.* 2 : 253.

Letaba Camp, K.N.P. Survey, 7/8-XII-1963, L. VÁRI (1 ♂).

Distr.—Abyssinie, Old Belgian Congo, South Africa, Mossambique.

Tribe *Gymnopleurini*

Genus *Gymnopleurus* ILLIGER

Gymnopleurus ILLIGER, 1803, *Mag. Ins.* 2 : 199 (pars.)

Spinigymnopleurus SHIPP, 1897, *Entom.* 30 : 166.

Gymnopleurus virens ER. var. *vanderkelleni* LANSB.

LANSB., 1886, *Notes Leyden Mus.* 8 : 72.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 sp.).

Distr.—Mossambique, South West Africa, South Africa.

Tribe *Oniticellini*

Genus *Oniticellus* SERVILLE

Oniticellus SERVILLE, 1825, *Encycl. méth.* 10 : 356 (pars.)

Pseudoniticellus KRAATZ, 1895, *Dt. ent. Z.* 34 : 142.

Oniticellus pictus (HAUSMAN)

Aphodius pictus HAUSMAN, 1807, *Mag. Ins.* 5 : 238.

Oniticellus formosus JANSSENS (nec CHEVROLAT), 1938, *Explor. Parc. natn.*

Albert, Mission G. F. de Witte (25) : 12, 15.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 ♂).

Distr.—Mossambique, Ruanda, South Africa.

Genus *Euoniticellus* JANSSENS

Euoniticellus JANSSENS, 1953, *Explor. Parc. natn. Upemba, Mission G. F. de Witte*, (11) : 9, 41.

Oniticellus D'ORBIGNY, 1916, *Voy. Guy Babault Afr. or. angl. (1912-1913)* : 19.

Euoniticellus intermedius (REICHE)

Oniticellus intermedius REICHE, 1849, *ap. Ferret et Galinier, Voy. Abyss.* : 337, pl. 20, figs. 5, 6.

Oniticellus clavatus ROTH, 1851, *Arch. Naturgesch.* 17 (1) : 127.

Oniticellus speciosus COSTA, 1853, *Fauna Règne Napol. Col.* 28 : pl. 15, fig. 4.

Oniticellus nasicornis PÉRINGUEY (nec REICHE), 1900 (1901), *Trans. S. Afr. phil. Soc.* 12 : 166.

Oniticellus pallens CASTELNAU, 1840 (nec OLIVIER), *Hist. Nat. Col.* 2 : 91.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 ♂).

Distr.—Zanzibar, Tanzania, Kenia, Malawi, Mossambique, Dahomey, Portuguese Guinee, Senegal, Old Belgian Congo, South West Africa, Botswana, Rhodesia, Abyssinie, Somalia, South Africa.

Genus *Liatongus* REITTER

REITTER, 1893, *Best. Tab.* 24 : 164.

Liatongus militaris (CAST.)

Oniticellus militaris CASTELNAU, 1840, *Hist. Nat. Col.* 2 : 91.

Oniticellus tridens ROTH, 1851, *Arch. Naturgesch.* 17 (1) : 128.

Oniticellus quadrituberculatus LANSB., 1886, *Notes Leyden Mus.* 8 : 78.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (5 sp.).

Distr.—South Africa, Mossambique, Rhodesia, Old Belgian Congo, Tanzania, Abyssinie, Eritreia, Angola, Ruanda, British Egypt, Sudan.

Tribe *Onthophagini*

Genus *Onthophagus* LATR.

Onthophagus LATR., 1802, *Hist. Nat. Crust. Ins.* 3 : 141.

Chalcoderus ER., 1848, *Naturgesch. Ins. Dtsch. Col.* 3 : 763, note.

Monapus ER., 1848, *Naturgesch. Ins. Dtschl. Col.* 3 : 762.

Psilax ER., 1848, *loc. cit.* : 763.

Gonocyclus LANSB., 1885, *Annali Mus. civ. Stor. nat. Giacomo Doria* 2 (2) : 382.

Onthophagus ebenicolor D'ORBIGNY

D'ORBIGNY, 1902, *Annls Soc. ent. Fr.* 71 : 190.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 sp.).

Distr.—Tanzania, Kenya, Rhodesia, Mossambique, Abyssinie, South West Africa, South Africa.

Onthophagus gazella FABRICIUS

FABRICIUS, 1787, *Mant. Ins.* 2 : 377.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (16 sp.).

Dist.—South Africa, Central Africa, Mossambique, Madagascar, Arabia.

Onthophagus laceratus GERST.

GERST., 1871, *Arch. Naturgesch.* 37 (1) : 50.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 sp.).
New to South Africa.

Distr.—East Africa, Old French Congo, Transvaal.

Onthophagus lamelliger GERST.

GERST., 1871, *Arch. Naturgesch.* 37 (1) : 52.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 sp.).
New to South Africa.

Distr.—Rhodesia, Kenya, Tanganyika, Transvaal.

Onthophagus vinctus ER.

Onthophagus vinctus ER., 1843, in WIED., *Arch. Naturgesch.* 9 (1) : 234.

Onthophagus obesus FAHRAEUS, 1857, ap. BOHEMAN, *Insecta Caffr.* 2 : 298.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 sp.).

Distr.—From Senegal and Eritreia to Cape.

Genus *Phalops* ER.

Phalops ER., 1848, *Naturgesch. Ins. Deutschl.* 3 : 764.

Ephillops REITTER, 1893, *Bestimm.*—Tab. 24 : 159, 168.

Phalops ardea KLUG

Onthophagus ardea KLUG, 1855, *MonatsBer. Akad. Wiss. Berlin* : 652.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 ♂, 1 ♀).

Distr.—Kenya, Rhodesia, Mossambique, South Africa.

Subfam. *Dynastinae*

Tribe *Pentodontini*

Genus *Heteronychus* BURM.

BURM., 1847, *Handb. Ent.* 5 : 90.

Heteronychus rusticus KLUG ssp. *niger* KLUG

KLUG, 1855, *MonatsBer. Akad. Wiss. Berlin* : 657.

Punda Milia, K.N.P. Survey, 9/11-XII-1963, L. VÁRI (1 ♂).

Distr.—South Africa, Rhodesia, Tanzania, Mossambique, Abyssinie.

Heteronychus mosambicus PÉR.

PÉRINGUEY, 1908, *Trans. S. Afr. phil. Soc.* 13 : 652, t. 48, figs. 30-32.

Shingwedzi, K.N.P. Survey, 19/20-XI-1961, VÁRI et RORKE (3 ♂ ♂).

New to South Africa.

Distr.—Mossambique, South Africa.

Genus *Temnorrhynchus* HOPE

HOPE, 1837, *Col. Man.* 1 : 93.

Temnorrhynchus coronatus F. ssp. *natalensis* KOLBE

KOLBE, 1887, *Nova Acta Leop. Carol.* : 259.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (4 ♂ ♂, ♀ ♀).

Distr.—South Africa, Rhodesia, South West Africa, Mossambique.

Genus *Heteroligus* KOLBE

KOLBE, 1900, *Ent. Nachr.* 26 : 164.

Heteroligus gasanus ARROW

ARROW, 1911, *Ann. Mag. nat. Hist.* 8 (8) : 160.

Malelane, K.N.P. Survey, 3/5-XII-1963, L. VÁRI (1 ♂).

Distr.—Tanzania, Rhodesia, Mossambique.

Tribe *Oryctini*

Genus *Cyphonistes* BURM.

BURM., 1847, *Handb. Ent.* 5 : 213.

Cyphonistes vallatus WIEDM.

WIEDM., 1823, *Zool. Mag.* 2 (1) : 4.

Punda Milia, K.N.P. Survey, 9/11-XII-1963, L. VÁRI (1 ♀).

Distr.—Rhodesia, Malawi, South Africa.

Fam. *Cetoniidae*

Tribe *Goliathini*

Genus *Dyspilophora* KRAATZ

KRAATZ, 1880, *Ent. Monatsbl.* 2 : 27.

Dyspilophora trivittata SCHAUM

SCHAUM, 1841, *Anal. Ent.* : 41.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 sp.);

Punda Milia, K.N.P. Survey, 1/5-XII-1964, VÁRI et RORKE (1 sp.).

Distr.—Kenya, Tanzania, Mossambique, South Africa.

Tribe *Cetoniini*

Genus *Pachnoda* BURM.

Pachnoda BURM., 1842, *Handb. Ent.* 3 : 512, 513 (pars).

Marmylida THOMSON, 1880, *Naturaliste*, 2 : 278.

Pachnodula SCHOCH., 1897, *Mitt. schweiz. ent. Ges.* 10 : 59.

Phoxomeloides SCHOCH., 1898, *Mitt. schweiz. ent. Ges.* 10 : 205.

Pachnoda rufa DEGEER ssp. *frenata* BURM.

BURM., 1847, *Handb. Ent.* 5 : 561.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 sp.).

Distr.—Angola, Natal, Transvaal.

Tribe *Cremastochilini*

Genus *Brachymacroma* KRAATZ

KRAATZ, 1896, *Dt. ent. Z.* : 74.

Brachymacroma emarginicollis BOHEMAN

BOHEMAN, 1857, *Insecta Caffr.* 2 : 45.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 sp.).

Distr.—Rhodesia, Ovamboland, Transvaal, East Africa, Abyssinie.

Tribe Diplognathini

Genus *Niphetophora* KRAATZ

Niphetophora KRAATZ, 1883, *Dt. ent. Z.* 27 : 384.

Oxyrraphia KOLBE, 1895, *Stettin ent. Ztg* 56 : 279, 280.

Niphetophora carneola (BURM.)

Cetonia carneola BURM., 1847, *Handb. Ent.* 5 : 559.

Oxyrraphia helota KOLBE, 1895, *Stettin ent. Ztg* 56 : 280.

Tephraea hildebrandti HAROLD, 1878, *MonatsBer. Akad. Wiss. Berlin* : 213.

Niphetophora maculipes KRAATZ, 1883, *Dt. ent. Z.* 27 : 385.

Anelaphinis nyansana CSIKY, 1909 (1909-1910), *Arch. Zool.* 1 : 21.

Punda Milia, K.N.P. Survey, 1/5-XII-1964, VÁRI et POTGIETER (1 sp.).

Distr.—Victoria See, Kenya, Tanzania, Mossambique, Angola, Old Belgian Congo, Guinee, South Africa.

Fam. Phaenomeridae

Genus *Phaenomeris* HOPE

Phaenomeris HOPE, 1835, *Trans. Zool. Soc. Lond.* 1 : 97.

Epyga MANNERH., 1838, *Byull. mosk. Obshch. Ispyt. Prir.* 11 : 33.

Phaenomeris besckei MANNERH. var. *cyanea* BLANCH.

BLANCH., 1850, *Cat. Coll. Ent. Col.* : 203.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (1 sp.).

Distr.—Rhodesia, South Africa (Transvaal, Natal), Nyassa.

Fam. Trogidae

Genus *Trox* FABRICIUS

FABRICIUS, 1775, *Syst. Ent.* : 31.

Trox radula ER.

Trox radula ER., 1843, *Arch. Naturgesch.* 9 (1) : 235.

Trox variolosus FAHRAEUS, 1857, *Insecta Caffr.* 2 : 378.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (5 sp.).

Distr.—South Africa, South West Africa, Angola, East Africa.

Trox squalidus OLIVIER

Trox squalidus OLIVIER, 1789, *Ent.* 1 (4) : 12, t. 2, fig. 12.

Trox incultus FAHRAEUS, 1857, *Insecta Caffr.* 2 : 377.

Letaba Camp, K.N.P. Survey, 14/18-XI-1961, VÁRI et RORKE (4 sp.).

Distr.—South Africa, Abyssinie, Senegal.