

New species and new data on Phalacridae (Coleoptera) of the Republic of South Africa

Новый вид и новые данные о Phalacridae (Coleoptera) Южно-Африканской Республики

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КЛЮЧЕВЫЕ СЛОВА: Phalacridae, *Olibrus*, Южная Африка.

ABSTRACT: Description of *Olibrus festivus* sp.n. and new data on the fauna of the genera *Olibrus* Erichson 1845 from Republic of South Africa are given.

РЕЗЮМЕ. Приводится описание *Olibrus festivus* sp.n. и новые данные по местонахождениям *Olibrus* Erichson 1845 из Южно-Африканской Республики.

This work is based on material from South Africa, kept in the South African National Collection of Insects (Biosystematic Division, ARC-Plant Protection Research Institute, Pretoria) (SANC). The bulk of material treated herein has been deposited in SANC, a few duplicates in the Zoological Museum of the Moscow University (ZMUM). The phalacrid fauna of Southern Africa was studied in Champion [1925], and reviewed in Lyubarsky [1997]. Then *Olibrus rufopunctatus* Lyubarsky, 1997 is transferred to the genus *Podoces*, *Olibrus sternosetosus* Lyubarsky, 1997 is transferred to *Stilbus* [Svec, 2003].

In this article one species of Phalacridae from RSA are described, basing on the material of SANC and ZMUM. New material from this museum provides additional data on the distribution of *Olibrus bohemani* Champion, 1925; *O. namibiensis* Lyubarsky, 1997; *O. nigroclavatus* Champion, 1925; *O. pondoensis* Champion, 1925; *O. rufoplagiatus* Champion, 1925; *O. quadristriatus* Champion, 1925 in Ethiopian Realm. All materials was collected by beating from *Delairea odorata*, *Arctotheca calendula*, *Cineraria lobata*, *Senecio ilicifolius*, *Senecio helminthioides* and *Senecio angulatus* (Asteraceae).

I am very grateful of Elisabeth Grobbelaar for receiving the material.

Olibrus bohemani Champion, 1925
Figs 1–3

MATERIAL. South Africa: W Cape roadside 6 km W Knysna 34.02°S 22.58°E, c. 150 m, 20.08.1998, leg. Nesper, Grobbelaar, Balciunas (with *Delairea odorata*) (1 spec. ZMUM, 3 spec. SANC); Top of Oliviershoek Pass, 28.34°S 29.04°E, 1600 m, 17–

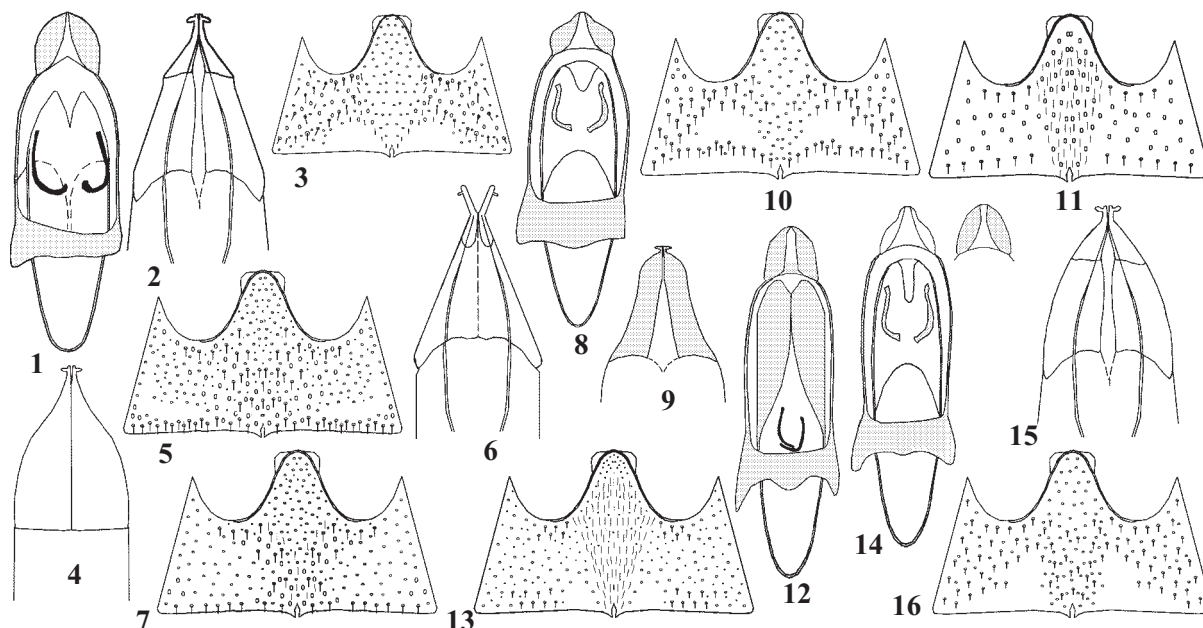
18.04.1998, (with *Delairea odorata*) leg. Grobbelaar, Nesper, Nesper (9 spec. SANC, 2 spec. ZMUM); E Cape Addo 33.33°S 25.41°E c. 100 m, 30.05.1998, (with *Delairea odorata*) leg. Grobbelaar, Nesper, Nesper (2 spec., SANC); W Cape, Plettenberg Bay, 34°03'2"S 23°21'2"E, 06.2002, (with *Delairea odorata*) leg. L. Besaans (1 spec. SANC, 1 spec. ZMUM); W Cape, Plettenberg Bay, 34°03'2"S 23°21'2"E, 29.10.2002, (with *Delairea odorata*) leg. L. Besaans (1 spec., SANC); W Cape, Plettenberg Bay, 34°03'2"S 23°21'2"E, 05.2002, (with *Delairea odorata*) leg. L. Besaans (1 spec., SANC); KZN Dragon Peaks Park, NE of Champagne Castle, 29.01°S 29.26°E, c. 1250 m, 21.01.1999, (with *Delairea odorata*) leg. Grobbelaar, Nesper, Nesper (1 spec., SANC); KZN Roadside, W Mooi River 29.12°S 29.58°E c. 150 m, 22.01.1999 (with *Delairea odorata*) leg. Grobbelaar, Nesper; KZN Roadside, W Mooi River 29.12°S 29.58°E c. 1500 m, 22.01.1999, (with *Delairea odorata*) leg. Grobbelaar, Nesper (2 spec., SANC); KZN Roadside, W Mooi River 29.12°S 29.58°E c. 1500 m, 22.04.1998, (with *Delairea odorata*) leg. Grobbelaar, Nesper (3 spec., SANC); KZN Roadside NNW Balgowan 29.24°S 30.02°E, c. 1300 m, 22.01.1999 (with *Delairea odorata*) leg. Grobbelaar, Nesper (1 spec., SANC); KZN Roadside SE of Mnt. AuxSource 1300 m, 28.40°S 29.01°E 18.04.1998 (with *Delairea odorata*) leg. Nesper, Grobbelaar (1 spec., SANC); E Cape La Repose Farm, 11 km S Alexandria, 33.45°S 26.25°E, c. 150 m, 29.05.1998, (with *Delairea odorata*) leg. Grobbelaar, Nesper, Nesper (1 spec. SANC, 1 spec. ZMUM); E Cape Roadside, 22 km WNW Alexandria, 33.37°S 26.11°E, c. 200 m, 29.05.1998, (with *Delairea odorata*) leg. Grobbelaar, Nesper, Nesper (1 spec., SANC); E Cape Addo Elephant National Park, 18 km W Paterson, 33.27°S 25.45°E, c. 200 m, 30.05.1998 (with *Delairea odorata*) leg. Grobbelaar, Nesper (3 spec., SANC); E Cape Hogsback State Forest, contour path, 32.36°S 26.57°E c. 1200 m, 09.06.1999 (Larvae ex flowers of *Delairea odorata*, placed in soil) leg. O.C. & S. Nesper, E. Grobbelaar (1 spec., SANC).

DISTRIBUTION. South Africa: RSA (and ?Transvaal). Champion's localities: Cape of Good Hope, Lion's Head, Ceres, Grahamstown, Queenstown, Port St. John, Umtata, Durban (Natal), and ?Sterkfontein (Transvaal).

REMARKS. Genitalia of male as in Fig. 1, genitalia of female as in Fig. 2, metasternum as in Fig. 3.

Olibrus namibiensis Lyubarsky, 1997
Figs 4–5

MATERIAL. W Cape, Plettenberg Bay, 34°03'2"S 23°21'2"E, 24.10.2002, (with *Senecio ilicifolius*) leg. L. Besaans (1 spec., SANC).



Figs. 1–16. 1–3 — *Olibrus bohemani*: 1 — genitalia of male, 2 — genitalia of female, 3 — metasternum; 4–5 — *O. namibiensis*: 4 — genitalia of female, 5 — metasternum; 6–7 — *Olibrus nigroclavatus*: 6 — genitalia of female; 7 — metasternum; 8–10 — *Olibrus pondoensis*: 8 — genitalia of male, 9 — genitalia of female, 10 — metasternum; 11 — *Olibrus quadristriatus*: metasternum; 12–13 — *Olibrus rufoplagiatus*: 12 — genitalia of male, 13 — metasternum; 14–16 — *Olibrus festivus* sp.n.: 14 — genitalia of male, 15 — genitalia of female, 16 — metasternum.

Рис. 1–16. 1–3 — *Olibrus bohemani*: 1 — гениталии самца, 2 — гениталии самки, 3 — заднегрудь; 4–5 — *O. namibiensis*: 4 — гениталии самки, 5 — заднегрудь; 6–7 — *Olibrus nigroclavatus*: 6 — гениталии самки, 7 — заднегрудь; 8–10 — *Olibrus pondoensis*: 8 — гениталии самца, 9 — гениталии самки, 10 — заднегрудь; 11 — *Olibrus quadristriatus*: заднегрудь; 12–13 — *Olibrus rufoplagiatus*: 12 — гениталии самца, 13 — заднегрудь; 14–16 — *Olibrus festivus* sp.n.: 14 — гениталии самца, 15 — гениталии самки, 16 — заднегрудь.

DISTRIBUTION. Namibia, RSA.

REMARKS. A diagnosis of the species has been presented by Lyubarsky [1997]. Genitalia of female as in Fig. 4, metasternum as in Fig. 5.

Olibrus nigroclavatus Champion, 1925

Figs 6–7

MATERIAL. W Cape, Plettenberg Bay, 34°03'2" S 23°21'2"E, 29.10.2002, (with *Arctotheca calendula*) leg. L. Besaans (1 spec., SANC).

DISTRIBUTION. RSA.

REMARKS. Genitalia of female as in Fig. 6, metasternum as in Fig. 7.

Olibrus pondoensis Champion, 1925

Figs 8–10

MATERIAL. W Cape, Plettenberg Bay, 34°03'2" S 23°21'2"E, 06.2002, (Larvae collected from *Senecio angulatus*, adult emerged 08.2002) leg. L. Besaans (1 spec. ZMUM, 1 spec. SANC); the same date, 05.2002, leg. L. Besaans (3 spec. SANC, 1 spec. ZMUM) (with *Delairea odorata*); the same date, 29.12.2002, leg. L. Besaans (11 spec. SANC, 5 spec. ZMUM) (with *Senecio angulatus*); KZN Nhlaztshhe, NNW Denny Dalton, NNW slope of hill 28.10° S 31.10° E c. 1000 m, 20.05.1999 (Larvae ex flowers of *Senecio helminthioides*. Pupae in soil 30.06.1999, adult out 07.09.1999) leg. E. Grobbelaar, S. Nesar & O.C. Nesar (1 spec., SANC).

DISTRIBUTION. RSA, Namibia.

REMARKS. General view depicted in Lyubarsky [1997], Fig. 2. In this article: genitalia of male as in Fig. 8, genitalia of female as in Fig. 9, metasternum as in Fig. 10.

Olibrus quadristriatus Champion, 1925

Fig. 11

MATERIAL. E Cape Hogsback State Forest, contour path, 32°35'30" S 26°56'58" E, 18.06.2002 (Larvae collected from *Cineraria lobata*, adult emerged 08.2002) leg. L. Besaans (1 spec., SANC).

DISTRIBUTION. RSA.

REMARKS. General view and genitalia of male depicted in Lyubarsky [1997], Fig. 38, and 40. In this article: metasternum as in Fig. 11.

Olibrus rufoplagiatus Champion, 1925

Figs 12–13

MATERIAL. W Cape Roadside 6 km W Knysna, 34.02° S 22.58° E, c. 150 m, 20.08.1998, (with *Delairea odorata*), leg. Nesar, Grobbelaar & Balciunas (1 spec., ZMUM).

DISTRIBUTION. RSA.

REMARKS. Genitalia of male as in Fig. 12, metasternum as in Fig. 13.

Olibrus festivus sp.n.

Figs 14–16

MATERIAL. Holotype: ♂ E Cape Hogsback State Forest, Hogsback Pass, 32.36° S 26.56° E, c. 1200 m, 25.05.1998 (with *Delairea odorata*) leg. Grobbelaar, Nesar, Nesar (SANC); Paratypes: KZN Roadside W Mooi River, 29.12° S 29.58° E, c. 1500 m, 22.01.1999 (with *Delairea odorata*) leg. Grobbelaar, Nesar (1 spec. SANC, 1 spec. ZMUM); The same data, 22.04.1998 (with *Delairea odorata*) leg. Grobbelaar, Nesar (1 spec. SANC); KZN Top of Oliviershoek Pass 28.34° S 29.04° E 1600 m, 17–18.04.1998, (with *Delairea odorata*) leg. Nesar, Nesar, Grobbelaar (5 spec. SANC, 2 spec. ZMUM); KZN Giants Castle Camp 29.16° S

29.31°E, c. 1800 m, 21.01.1999 (with *Delairea odorata*) leg. Grobbelaar, Nesar (1 spec., ZMUM); KZN Dragon Peaks Park, NE of Champagne Castle 29.01°S 29.26°E c. 1250 m, 21.01.1999 (with *Delairea odorata*) leg. Grobbelaar, Nesar (1 spec. SANC, 1 spec. ZMUM); E Cape Hogsback State Forest, contour path, 32.36°S 26.57°E, c. 1200 m, 09.06.1999 (Larvae ex flowers of *Delairea odorata*, placed in soil, adult emerged) leg. O.C. & S. Nesar, E. Grobbelaar (1 spec. SANC, 1 spec. ZMUM); W Cape, Nature's Valley, 18.5 km NE Plettenberg bay, 33.59°S 23.33°E, c. 200 m, 20.08.1998 (with *Delairea odorata*) leg. Nesar, Grobbelaar, Balciunas (1 spec., SANC).

DESCRIPTION. Length of body 1.9–2.1 mm, short-oval, 1.6–1.7 times as long as broad. Body shining, convex, upper surface dark-brown or black, with yellow apical spot or yellowish apical area. Under surface dark-brown, antennae, mouth parts, and legs yellowish.

Head transverse, widest at eyes. Without microsculpture but very finely and irregularly punctured. Punctures small, spaced by 2–3 or more times their own diameter. Antennae slender, segments 9th and 10th asymmetric, 10th transversal, terminal joint of the club slightly elongate, less than of 9th and 10th united.

Pronotum transverse, about 0.41–0.48 times longer than wide, posterior edge with large median lobe, finely bordered at base. Pronotal surface shining, slightly shagreened, sparsely covered with very small punctures, approximately 3–4 diameters apart from their lateral neighbours. Prosternal process narrow, bordered laterally.

Scutellum triangular, no broad, about 0.56 times longer than wide, blunt at apex. Scutellar surface shining, shagreened, sparsely covered with small punctures.

Elytra broadest near base, 2.3–2.4 times longer than pronotum, 1.04–1.12 times longer than to their total width. Elytral surface shining, feebly shagreened, strong shagreened in apex, very feeble striate, covered by rounded punctures, indistinctly seriate, approximately 5–7 diameters of puncture apart from their lateral neighbours, intervals extremely finely, sparsely and disorderly punctured. Elytra with one sutural stria, sometimes with weak second stria. First sutural stria not connected with second stria apically. Metasternal process bordered laterally and apically, with punctation minute, median part sparsely finely pubescent (Fig. 16).

Male genitalia as in Fig. 14, female — as in Fig. 15.

DISTRIBUTION. RSA.

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