

First records for eight click-beetles (Coleoptera, Elateridae) in Greece

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Abstract. Greece provides a rich fauna of insects. Here eight first records of click-beetles (Elateridae Leach, 1815) from Greece are presented. The eight species are: *Anostirus purpureus* (Poda, 1761), *Ctenicera pectinicornis* (Linnaeus, 1758), *Ctenicera virens* (Schrank, 1781), *Denticollis rubens* Piller & Mitterpacher, 1783, *Ectinus aterrimus* (Linnaeus, 1761), *Elathous mertliki* Platia & Schimmel, 1992, *Idolus picipennis* (Bach, 1852) and *Lacon ladae* Mertlik & Dušánek, 2006. The habitus, genital and antennae of *Elathous mertliki* Platia & Schimmel, so far only reported from the hollow type, are figured.

Key words: Distribution, Coleoptera, Elateridae, Greece, *Anostirus*, *Ctenicera*, *Denticollis*, *Ectinus*, *Elathous*, *Idolus*, *Lacon*

Introduction

This article contributes eight new records for Greece for beetle species from the family Elateridae. The fauna of this family from Greece was recently (since 2000) discussed by G. Platia and I. Gudenzi (2000a, b; 2001; 2002; 2003), M. Zeising und G. Brunne (2005), J. Mertlik and V. Dušánek (2006), G. Platia and I. Gudenzi (2007), G. Platia (2008), G. Platia and I. Gudenzi (2009) and Platia (2010).

The proved species were collected in the course of two excursions in the years 2008 and 2010 and from a private collection.

Results

***Anostirus purpureus* (Poda, 1761)**

Material examined: Greece, Drama region, Western Rodopi, Forest of Paranesti, Fracto, 1083 m a. s. l. (N41.52320° E024.50829°), 07.VI.2010, A. Jarzabek-Müller, J. Müller et A. Gruppe leg. (3 ♀), A. Jarzabek-Müller det. 2010, A. Jarzabek-Müller coll.

Collection circumstances: This species was collected by sweeping of low vegetation in a primeval mountain mixed forest of beech-fir and spruce.

Distribution: Austria, Belgium, Bulgaria, Russia: Central European Territory, Czech Republic, Denmark, Estonia, France, Germany, Georgia, Hungary, Italy, Latvia, Lichtenstein, Lithuania, Luxembourg, The Netherlands, Poland, Romania, Slovakia, Slovenia, Spain, Russia: South European Territory, Switzerland, Turkey, Ukraine, Serbia and Montenegro (Cate, 2007)

First record for Greece.

***Ctenicera pectinicornis* (Linnaeus, 1758)**

Material examined: Greece, Drama region, Western Rodopi, Forest of Paranesti, Fracto, 1773 m a. s. l. (N41.52839° E024.46320°), 07.VI.2010, A. Jarzabek-Müller, J. Müller et A. Gruppe leg. (20 ♂), A. Jarzabek-Müller det. 2010, A. Jarzabek-Müller coll.; Greece, Péla region, Kajmakčalan Mts., 2029 m a. s. l. (N40.911056° E021.815042°), 17.VI.2010, V. Dušánek et J. Mertlik leg. (17 ♂, 1 ♀), det. et coll.

Collection circumstances: All specimens were taken by sweeping of grass in a primeval mountain mixed forest of beech-fir and spruce.

Distribution: Armenia, Austria, Belgium, Bulgaria, Belarus, Russia: Central European Territory, Czech Republic, Denmark, Estonia, Finland, France, Great Britain, Germany, Georgia, Hungary, Italy, Latvia, Lichtenstein, Lithuania, Luxembourg, Macedonia, The Netherlands, Norway, Russia: North European Territory, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, Asia: Russia: East Siberia, China (Prov. Jilin, Shanxi), Kazakhstan, Turkey, Russia: West Siberia (Cate, 2007)

First record for Greece.

Ctenicera virens (Schränk, 1781)

Material examined: Greece, Drama region, Western Rodopi, Forest of Paranesti, Fracto, 1423 m a. s. l. (N41.52108° E024.48230°), 07.VI.2010, A. Jarzabek-Müller, J. Müller et A. Gruppe leg. (1 ♀), A. Jarzabek-Müller det. 2010, A. Jarzabek-Müller coll.

Collection circumstances: The Female was taken by sweeping of low vegetation in a primeval mountain mixed forest of beech-fir and spruce.

Distribution: Austria, Belgium, Bosnia Herzegovina, Bulgaria, Czech Republic, Estonia, France, Germany, Hungary, Italy, Lichtenstein, Poland, Romania, Slovakia, Slovenia, Switzerland, Ukraine, Nearctic Region (Cate, 2007)

First record for Greece.

Denticollis rubens Piller & Mitterpacher, 1783

Material examined: Greece, Drama region, Western Rodopi, Forest of Paranesti, Fracto, 1423 m a. s. l. (N41.52108° E024.48230°), 07.VI.2010, A. Jarzabek-Müller, J. Müller et A. Gruppe leg. (1 ♂, 1 ♀), A. Jarzabek-Müller det. 2010, A. Jarzabek-Müller coll.

Collection circumstances: The two specimens were taken by sweeping of low vegetation in a primeval mountain mixed forest of beech-fir and spruce.

Distribution: Austria, Belgium, Bosnia Herzegovina, Bulgaria, Belarus, Croatia, Russia: Central European Territory, Czech Republic, Denmark, Estonia, France, Germany, Georgia, Hungary, Italy, Latvia, Lichtenstein, Luxembourg, Moldavia, Norway, Poland, Romania, Slovakia, Slovenia, Russia: South European Territory, Sweden, Switzerland, Ukraine, Serbia and Montenegro (Cate, 2007), Iberian Peninsula (Molino-Olmedo, 2005), Turkey (Mertlik & Platia, 2008)

First record for Greece.

Ectinus aterrimus (Linnaeus, 1761)

Material examined: Greece, Drama region, Western Rodopi, Forest of Paranesti, Fracto, 1083 m a. s. l. (N41.52320° E024.50829°), 07.VI.2010, A. Jarzabek-Müller, J. Müller et A. Gruppe leg. (1 ♂), A. Jarzabek-Müller det. 2010, A. Jarzabek-Müller coll.

Collection circumstances: This species was taken by sweeping of low vegetation in a primeval mountain mixed forest of beech-fir and spruce.

Distribution: Austria, Belgium, Bulgaria, Belarus, Russia: Central European Territory, Czech Republic, Denmark, Estonia, Finland, France, Germany, Italy, Latvia, Lichtenstein, Lithuania, Luxembourg, The Netherlands, Norway, Russia: North European Territory, Poland, Romania, Spain, Sweden, Switzerland, Asia: Russia: West Siberia (Cate, 2007), Hungary (Merkl & Mertlik, 2005), Turkey (Lodos, 1998 (as *Agriotes aterrimus* Payk.))

First record for Greece.

Elathous mertliki Platia & Schimmel, 1992

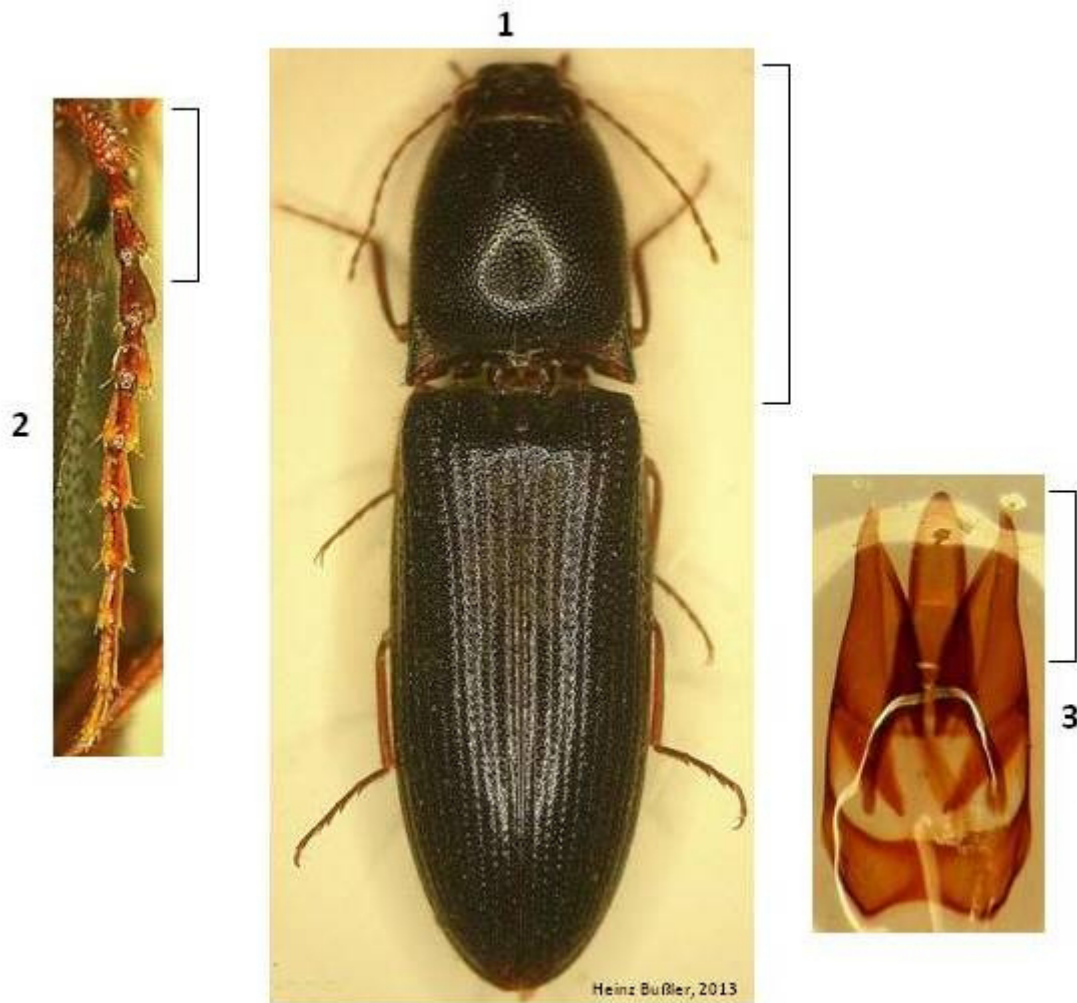
(Figs. 1-3)

Material examined: Greece, Lesbos Is., near Kalloni, 26.VII.2010, M. Egger leg. (1 ♂), A. Jarzabek-Müller det. 2013, G. Platia vid. 2013, A. Jarzabek-Müller coll.

Collection circumstances: This species was caught with a light trap nearby an arbor vitae bush (pers. comm. M. Egger, 2013). In 1990 this species was reared from *Thuja* sp. (Platia & Schimmel, 1992). Therefore it can be assumed that this specimen came from this tree species.

Distribution: Turkey (Cate, 2007)

First record for Greece.



Figs. 1-3: *Elathous mertliki* Platia & Schimmel, 1992 - Greece, Lesbos Is., near Kalloni, 26.VII.2010, leg. M. Egger - fig. 1: Habitus, dorsal view (♂), scale: 5, 0 mm; fig. 2: right antenna, scale: 1, 0 mm; fig. 3: aedeagus, scale: 0, 5 mm

Idolus picipennis (Bach, 1852)

Material examined: Greece, Thracien, Nomos Xanthi, Nestos-Schlucht bei Toxotes, 25.IV.1994, W. Schawaller leg. et coll. (1 ♂), C. Wurst det. 1995; Greece, Xanthi, near Toxotes, Forest Reserve Nestos Gorge, 25 m a. s. l. (N41.09301° E024.75830°), 02.VI.2008, A. Jarzabek-Müller, J. Müller et A. Gruppe leg. (1 ♂), A. Jarzabek-Müller det. 2008, A. Jarzabek-Müller coll.

Collection circumstances: This species was collected from grass at moist forest soil in a broadleaf forests.

Distribution: Austria, Belgium, Bosnia Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Hungary, Italy, Lichtenstein, Macedonia, The Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Switzerland, Ukraine, Serbia and Montenegro (Cate, 2007)

First record for Greece.

Lacon ladae Mertlik & Dušánek 2006

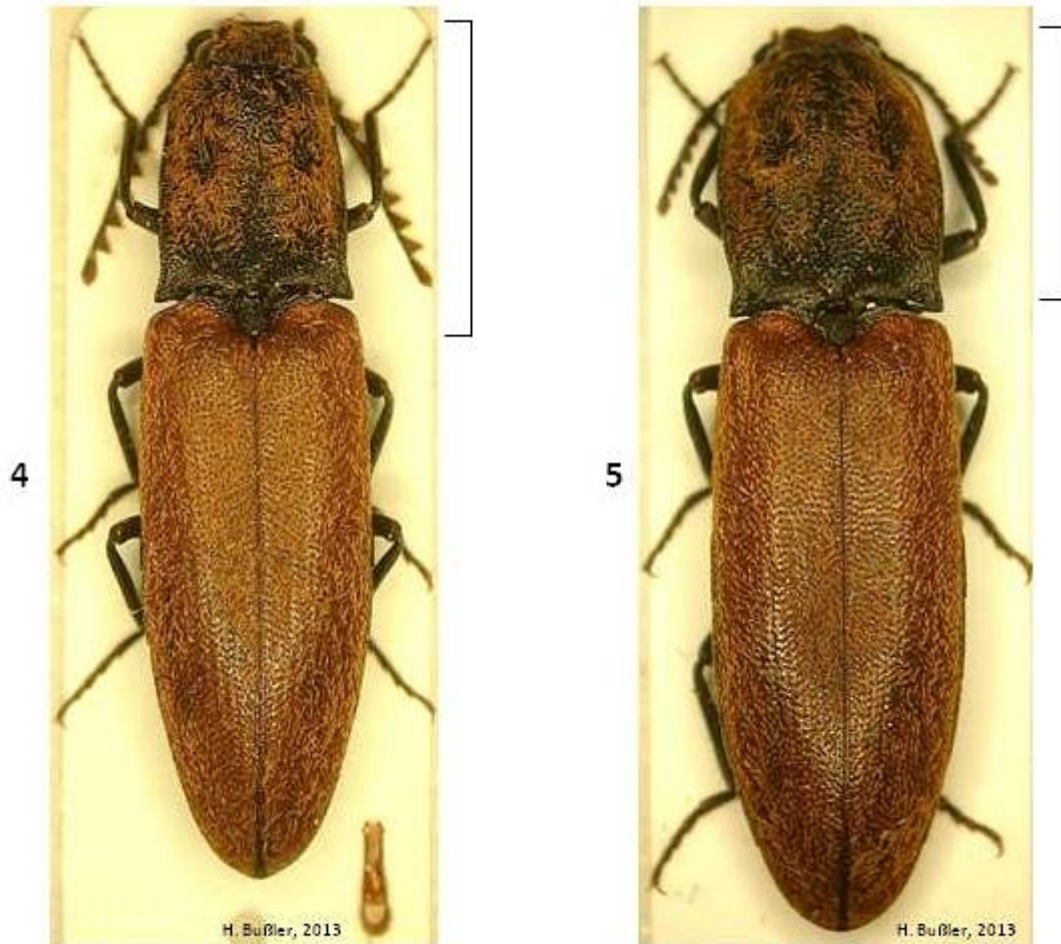
(Figs. 4, 5)

Material examined: Greece, Evros region, 2 km N of Loutros, 38 m a. s. l. (N40.89665° E026.05286°), 09.VI.2010, A. Jarzabek-Müller, J. Müller et A. Gruppe leg. (1♂, 1♀), A. Jarzabek-Müller det. 2010, A. Jarzabek-Müller coll.

Collection circumstances: Both specimen were attracted by UV-Light in front of a hollow trunk of *Platanus* sp. in a plane grove along a small creek.

Distribution: Turkey, Syria (Mertlik & Dušánek, 2006)

First record for Greece.



Figs. 4, 5: *Lacon ladae* Mertlik & Dusánek 2006 - Greece, Evros region, 2 km N of Loutros, 38 m a. s. l. (N40.89665° E026.05286°), 09.VI.2010, leg. A. Jarzabek-Müller, J. Müller et A. Gruppe - fig. 4: Habitus, dorsal view (♂); fig. 5: Habitus, dorsal view (♀); scale: 5, 0 mm

Acknowledgments

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Attachment



Fig. 6: Greece, Western Rodopi, Forest of Paranesti, Fracto, 1083 m a. s. l., 07.VI.2010; Biotope of *Anostirus purpureus* (Poda) and *Ectinus aterrimus* (L.)



Fig. 7: Greece, Western Rodopi, Forest of Paranesti, Fracto, 1423 m a. s. l., 07.VI.2010; Biotope of *Denticollis rubens* (Pill. & Mitt.)

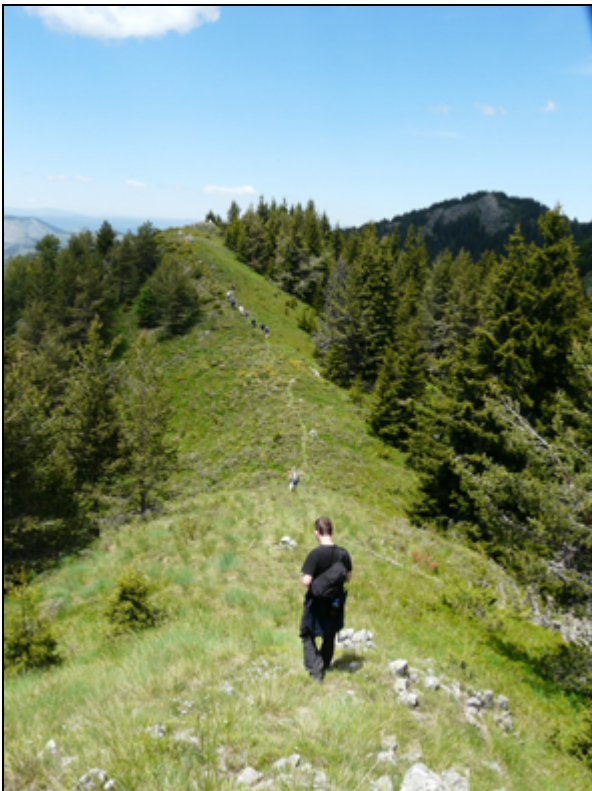


Fig. 8: Greece, Western Rodopi, Forest of Paranesti, Fracto, 1773 m a. s. l., 07.VI.2010; Biotope of *Ctenicera pectiniconis* (L.)

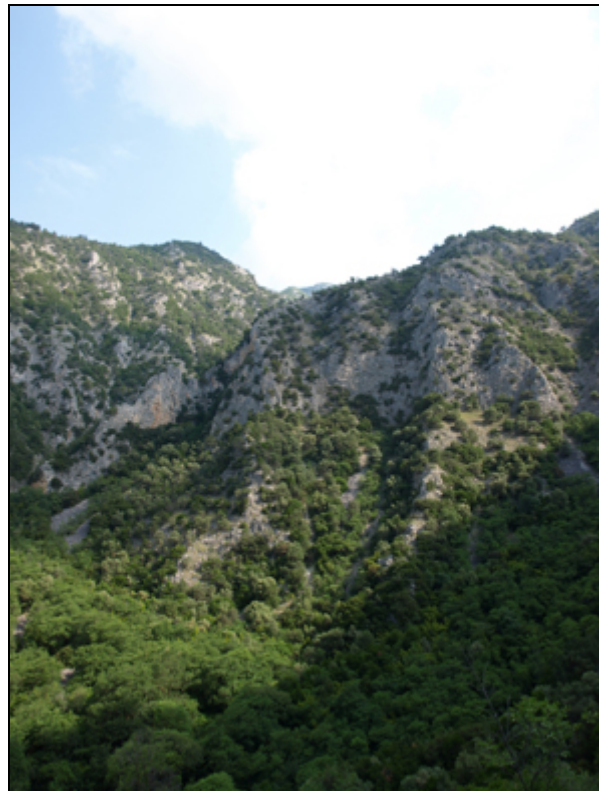


Fig. 9: Greece, Forest Reserve Nestos Gorge, 25 m a. s. l., 02.VI.2008; Biotope of *Idolus picipennis* (Bach)



Fig. 10: Greece, Evros region, 2 km N of Loutros, 38 m a. s. l., 09.VI.2010;
Plane grove - Biotope of *Lacon ladae* Mertl. & Duš.