

Humanity space *International almanac* VOL. 3, No 2, 2014: 173-190

Contribution to the knowledge of longhorn beetles from Cyprus (Coleoptera: Cerambycidae)

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Key words: Coleoptera, Cerambycidae, faunistics, biology, host plants, Cyprus, Palaearctic region.

Abstract: A survey of the Cerambycidae of Cyprus was conducted out during years 1996–2013. A total of 43 species representing 29 genera and 4 subfamilies were recorded during the study. The authors give new faunistic and some biological data for each species, established on the basis of their observations and other entomologists. Two species are recorded for the first time from Cyprus: *Calchaenesthes primis* Özdikmen, 2013 and *Exocentrus adspersus* Mulsant, 1846. The first records of host plants are given for *Trichoferus georgioui* Sama & Makris, 2001 and *Deroptia genei* ssp. *konvickai* Rapuzzi & Sama, 2012.

INTRODUCTION

The island of Cyprus is situated in the Eastern Basin of the Mediterranean Sea. It is the third largest island in the Mediterranean after the Italian islands of Sicily and Sardinia.

Cyprus is an island of oceanic origin that has been isolated from the nearby mainland for the last 5 million years (Hadjisterkotis et al., 2000). Geographic isolation has led to the evolution of a large number of endemic species of plants and animals (Hadjisterkotis & Masala, 1995; Hadjisterkotis et al., 2000).

The island has a great variety of habitats and natural vegetation. The forests occupy 1,591.13 sq. km and represent 17.2% of the total area of the island. The mountain zone includes the middle and higher elevations and accommodates the forests of *Pinus brutia*, *Pinus nigra* and *Cedrus brevifolia* with *Quercus alnifolia* forming the main species of the understory of these forests. Where the forest has been destroyed, maquis (14% of the island) of *Arbutus andrachne*, *Pistacia lentiscus*, *Pistacia terebinthus*, *Styrax officinalis*, *Quercus coccifera*, *Genista fasselata*, *Calycotome villosa*

and *Ceratonia siliqua* is associated with a wide but sparse variety of annual and perennial herbs. The garigue formations (10% of the island) are composed mainly of species of *Cistus spp.*, *Thymus capitatus*, *Sarcopoterium spinosum*, *Lavandula stoechas*, *Fumana spp.*, *Helianthus spp.* and *Teucrium spp.* (Kyriacou, 2005).

The longhorn beetle fauna of Cyprus has been studied intensively over the past several decades, but is still poorly known. Among the most important works we can include Schaufuss (1871), Pic (1927), Georghiou (1977), Sama (1985), Berger (1988), Sama (1992, 1994b, 1995b), Sama & Makris (2001) and Rapuzzi & Sama (2012).

A great variety of habitats and natural vegetation is reflected in a great number of associated insect, many of them endemic to the island. A total of approximately 68 Cerambycidae species and subspecies are now known from Cyprus out of which 14 are endemic: *Grammoptera* (*Grammoptera*) *baudii ssp. baudii* Sama, 1985; *Pedostrangalia* (*Neosphenalia*) *raggii* Sama, 1992; *Trichoferus antonioui* Sama, 1994; *Trichoferus georgioui* Sama & Makris, 2001; *Axinopalpis barbarae ssp. barbarae* Sama, 1992; *Axinopalpis barbarae ssp. consobrinus* Sama, 1992; *Deilus rugosicollis ssp. kadleci* Sama et Rapuzzi 2012; *Stenopterus similatus ssp. mehli* Sama, 1995; *Molorchus* (*Molorchus*) *bassettii* (Sama, 1992); *Purpuricenus nicocles* Schaufuss, 1871; *Deroplia genei ssp. konvickai* Rapuzzi & Sama, 2012; *Leiopus* (*Leiopus*) *andreae* Sama, 1994; *Agapanthia* (*Smaragdula*) *gemella* Holzschuh, 1989 and *Agapanthia* (*Epoptes*) *nicosiensis* Pic, 1927. These numbers document clearly the high species diversity of Cyprus.

MATERIAL AND METHODS

A survey of the Cerambycidae of Cyprus was conducted out during years 1996–2013. The material for this study was collected by the authors and by various collectors from different localities in Cyprus and is deposited in the personal collections.

The beetles were collected individually, using generally known methods such as beating, sweeping, individual collecting on wood, flower and leaves and used vine traps. Much attention has been paid to larvae collecting. Usually, the larvae were allowed to

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develop in the original substrate. The adults were determined by the authors.

The following abbreviations of collectors are used in the text:

CM – Christodoulos Makris, Lemesos, Cyprus
DD – Diethard Dauber, Linz, Austria
JH – Jan Hrbek, Střelice, Czech Republic
PJ – Pavel Jelínek, Brno, Czech Republic
PZ – Petr Zlámal, Praha, Czech Republic
RA – Richard Ambrus, Praha, Czech Republic
RD – Roman Dudl, Planá nad Lužnicí, Czech Republic
TT – Tomáš Tichý, Opava, Czech Republic
WG – Walter Grosser, Opava, Czech Republic
ZL – Zdeno Lucbauer, Kettering, United Kingdom

If not stated otherwise, specimens collected by these collectors are preserved in their private collections.

RESULTS

Family CERAMBYCIDAE

Subfamily Prioninae

Tribe Macrotomini

1) *Prinobius myardi* ssp. *atropos* Chevrolat, 1854

Material: Cyprus, 10 km NE Limassol, Armenochori env., 20.5.2008, remains of dead adult in a hollow of *Ceratonia siliqua* (PZ).

Tribe Remphanini

2) *Rhaesus serricollis* (Motschulsky, 1838)

Material: Cyprus, Limassol env., 2012, remains of dead adult in a hollow of *Platanus* sp. (CM, in coll. JH).

Subfamily Lepturinae

Tribe Lepturini

3) *Grammoptera (Grammoptera) baudii ssp. baudii* Sama, 1985

Material: Cyprus, 28 km N Pafos, 7 km W Polis, Neo Chorio env., 29.3.-5.4.2006, 34 adults beaten from blossoming shrubs (*Pistacia terebinthus*) (JH, PJ, RA, WG); Cyprus, 8 km NE Lemesos, Akrounta env., 2.4.2006, 14 adults beaten from blossoming shrubs (*Pistacia terebinthus*) (JH, PJ, RA, WG); Cyprus, Lemesos distr., Armenochori env., 34°44'33.74"N 33°7'22.18"E, 11.4.2006, 3 adults beaten from blossoming shrubs (*Pistacia terebinthus*) (RD).

4) *Stictoleptura (Stictoleptura) cordigera ssp. cordigera* (Fuesslin, 1775)

Material: Cyprus, Nicosia distr., Polystipos env., 34°56'12.84"N 33°1'34.68"E, 23.6.2007, 3 adults on flowers of *Apiaceae* (RD).

5) *Anastrangalia montana ssp. montana* (Mulsant & Rey, 1863)

Material: Cyprus, Lemesos, Trooditissa, 18.6.2000, 1 adult on a flower of *Cistus sp.* (CM, in coll. JH); Cyprus, Lemesos, Pera Pedi, 23.5.2001, 1 adult on a flower of *Cistus sp.* (CM, in coll. JH); Cyprus, Nicosia, Troodos Mts., Alona env., 22.5.2008, 3 adults on flowers of *Cistus sp.* (PZ); Cyprus, Lefkosia, Cedar Valley, 18.6.2009, 1 adult on a flower of *Cistus sp.* (CM, in coll. JH); Cyprus, Nicosia distr., 4 km NE of Kampos vill., 35°4'21.36"N 32°44'48.48"E, 7.5.2013, 15 adults on flowers of *Cistus creticus* (RD); Cyprus, Nicosia distr., Cedar Valley (outside the Nature Reserve), 8.5.2013, 2 adults on flowers of *Cistus creticus* (RD).

6) *Pedostrangalia (Neosphenalia) raggii* Sama, 1992

Material: Cyprus, 28km N Pafos, 25km E Polis, Cedar Valley (outside the Nature Reserve), 30.3.-31.3.2006, larvae, praepupae and pupae in living branches of *Quercus alnifolia* (JH, PJ, RA, WG), 2 adults emerged from 1.5. to 4.5.2006 (PJ, RA) and 2 adults reared in 2007 (JH); Cyprus, Pafos, Eledio, 4.5.2007, adults on *Quercus sp.*

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(CM, in coll. JH); Cyprus, Lefkosia, Cedar Valley, 18.6.2009, adults on flowers of *Cistus sp.* (CM, in coll. JH).

Subfamily Cerambycinae

Tribe Achrysonini

7) *Icosium tomentosum ssp. atticum* Ganglbauer, 1882

Material: Cyprus, 10 km SW Lemesos, Akrotiri env., 27.3.-6.4.2006, larvae, praepupae, pupae and 1 immature adult in pupal cells in branches of *Cupressus sempervirens* (JH, PJ, RA, WG), 7 adults emerged from 22.5. to 26.5.2006 (JH), 19 adults emerged from 24.6. to 9.8.2006 (RA, WG), 1 adult emerged 30.8.2007 (WG) and 15 adults emerged from 25.6. to 30.6.2008 (WG).

Tribe Hesperophanini

8) *Trichoferus antonioui* Sama, 1994

Material: Cyprus, 5 km NE Lemesos, Germasogeia Dam env., 26.3.-6.4.2006, larvae in living shrubs of *Cistus creticus* (JH, PJ, RA), 3 adults reared in 2007 (JH); Cyprus, 28km N Pafos, 18 km E Polis, Stavros tis Psokas, 30.3.2006, larvae in living shrubs of *Cistus creticus* (JH, PJ), 2 adults reared in 2007 (JH); Cyprus, 25 km N Lemesos, Alona env., 1.4.-3.4.2006, larvae in living shrubs of *Cistus creticus* (PJ); Cyprus, 8 km NE Lemesos, Akrounta env., 2.4.2006, larvae in living shrubs of *Cistus creticus* (PJ); Cyprus, 30 km W Larnaka, Kato Lefkara env., 7.4.2006, larvae in living shrubs of *Cistus creticus* (PJ); Cyprus, 26 km SW Larnaka, 3 km N Skarinou, Dhypotamos Dam env., 7.4.2006, larvae in living shrubs of *Cistus creticus* (PJ); Cyprus, 28 km NE Paphos, 4 km N Pano Panagia, Troodos Mts., 17.3.2012, 1 larva in dying shrub of *Cistus creticus*, 1 adult reared subsequently (JH).

9) *Trichoferus fasciculatus ssp. fasciculatus* (Faldermann, 1837)

Material: Cyprus, 10 km SW Lemesos, Akrotiri env., 27.3.-6.4.2006, larvae in dead branches of *Eucalyptus sp.*, 16 adults emerged from 26.6. to 30.6.2006 (PJ, RA, WG) and 2 adults

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emerged 30.6.2007 (WG); Cyprus, 10 km W Lemesos, 3 km SW Erimi, Kourion env., 27.3.2006, larvae in dead branches of *Eucalyptus sp.*, 3 adults emerged from 26.6. to 29.6.2006 (WG); Cyprus, 15 km E Pafos, Kouklia env., 28.3.2006, larvae in dead branches of *Ceratonia siliqua*, 2 adults emerged 20.6.2006 (PJ); Cyprus, 20 km N Pafos, Avgas Gorge (Agios Georgios), 28.3.2006, larvae in dead branches of *Ceratonia siliqua*, 2 adults emerged 25.6.2006 (PJ); Cyprus, 28 km N Pafos, 7 km W Polis, Neo Chorio env., 29.3.-5.4.2006, larvae in dead branches of *Ceratonia siliqua*, 2 adults emerged from 27.6.2006 to 5.7.2006 (PJ, WG); Cyprus, 28 km N Pafos, 16 km NE Polis, Pomos env., 5.4.2006, larvae in dead twigs of *Prunus dulcis*, 12 adults emerged from 10.6. to 27.6.2006 (PJ, RA, WG); Cyprus, Lemesos distr., Armenochori env., 34°44'33.74"N 33°7'22.18"E, 11.4.2006, larvae in dead branches of *Ceratonia siliqua*, 1 adult hatched in July 2006 (RD); Cyprus, 10 km NE Limassol, Armenochori env., 20.5.2008, 2 pupae in pupal cells in dead branches of *Ceratonia siliqua*, 1 adult emerged 6.7.2008 (PZ); Cyprus, Larnaca distr., Lageia, 34°50'13.56"N 33°15'32.76"E, 4.5.2013, larvae in dead branches of *Ceratonia siliqua*, 10 adults emerged from 13.6. to 8.8.2013 (RD).

10) *Trichoferus georgioui* Sama & Makris, 2001

Material: Cyprus, 20 km N Pafos, Avgas Gorge (Agios Georgios), 28.3.2006, larvae in dead branches of *Ceratonia siliqua*, 1 adult reared subsequently in 2006 (JH); Cyprus, 10 km NE Limassol, Armenochori env., 20.5.2008, 1 pupa in a pupal cell in a dead branch of *Ceratonia siliqua*, 1 adult emerged 22.7.2008 (PZ).

Remarks: The first record of host plant for this species.

11) *Trichoferus griseus* (Fabricius, 1793)

Material: Cyprus, 5 km NE Lemesos, Germasogeia Dam env., 26.3.-6.4.2006, larvae in dead branches of *Ceratonia siliqua* (PJ, RA), 1 adult emerged 30.5.2006 (PJ) and 1 adult emerged 29.6.2006 (RA), larvae in dead branches of *Ficus carica*, adults reared subsequently (JH); Cyprus, 20 km N Pafos, Avgas Gorge (Agios Georgios), 28.3.2006, larvae in dead branches of *Ceratonia siliqua*, 1

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adult emerged 26.5.2006 (JH); Cyprus, Larnaca distr., Lageia env., 34°50'13.56"N 33°15'32.76"E, 4.5.2013, larvae in dead branches of *Ceratonia siliqua*, 5 adults emerged from 18.6. to 2.8.2013 (RD).

Tribe Graciliini

12) *Penichroa fasciata* (Stephens, 1831)

Material: Cyprus, 10 km SW Lemesos, Akrotiri env., 27.3.-6.4.2006, larvae in dead branches of *Eucalyptus* sp., 18 adults emerged from 20.5. to 16.6.2006 (PJ, RA, WG); Cyprus, 10 km W Lemesos, 3 km SW Erimi, Kourion env., 27.3.2006, larvae in dead branches of *Eucalyptus* sp., 25 adults emerged from 3.5. to 22.5.2006 (JH) and 3 adults emerged 20.6.2006 (PJ); Cyprus, 20 km N Pafos, Avgas Gorge (Agios Georgios), 28.3.2006, larvae in dead branches of *Ceratonia siliqua*, 5 adults emerged from 9.5. to 20.5.2006 (PJ); Cyprus, 28 km N Pafos, 16 km NE Polis, Pomos env., 5.4.2006, larvae in dead twigs of *Prunus dulcis*, 3 adults emerged 15.5.2006 (JH).

13) *Axinopalpis barbarae* ssp. *barbarae* Sama, 1992

Material: Cyprus, 28 km N Pafos, 25 km E Polis, Cedar Valley (outside the Nature Reserve), 30.3.-31.3.2006, larvae, praepupae and pupae in dead twigs of *Cedrus brevifolia* (JH, PJ, RA, WG), 4 immature adults found in pupal cells 25.4.2006 (JH), 1 immature adult found in pupal cell 3.5.2006 (PJ), another 2 adults emerged from 15.5. to 20.5.2006 (PJ) and another 2 adults emerged 10.4.2007 (WG); Cyprus, 28 km NE Paphos, Troodos Mts., Cedar Valley (outside the Nature Reserve), 17.3.2012, several larvae in dead twigs of *Cedrus brevifolia* (girdled twigs lying on the ground), adults reared subsequently (JH).

14) *Axinopalpis barbarae* ssp. *consobrinus* Sama, 1992

Material: Cyprus, 28 km N Pafos, 16 km NE Polis, Pomos env., 5.4.2006, larvae in dead twigs of *Prunus dulcis*, 19 adults emerged from 10.5. to 20.6.2006 (JH, PJ, RA, WG).

Tribe Certallini

15) *Certallum ebulinum* (Linnaeus, 1767)

Material: Cyprus, 5 km NE Lemesos, Germasogeia Dam env., 26.3.2006, 2 adults on flowers of *Sinapis sp.* (PJ, RA); Cyprus, 10 km SW Lemesos, Akrotiri env., 27.3.-6.4.2006, 20 adults on flowers of *Carduus sp.*, *Sinapis sp.* and *Apiaceae* (JH, PJ, RA, WG); Cyprus, 10 km W Lemesos, 3 km SW Erimi, Kourion env., 27.3.2006, 2 adults on flowers of *Carduus sp.* (RA); Cyprus, 15 km E Pafos, Koukليا env., 28.3.2006, 5 adults on flowers of *Sinapis sp.*, *Carduus sp.* and *Apiaceae* (JH, RA, WG); Cyprus, 8 km NE Lemesos, Akrounta env., 2.4.2006, 1 adult on flowers of *Sinapis sp.*, 1 adult, by sweeping of vegetation (PJ, WG); Cyprus, Akamas peninsula, Lakki env., 35°3'35.28"N 32°20'12.48"E, 5.4.2006, 2 adults on flowers of *Apiaceae* (RD); Cyprus, 26 km SW Larnaka, 3 km N Skarinou, Dhypotamos Dam env., 7.4.2006, 14 adults, by sweeping of flowering herbaceous plants, especially *Brassicaceae* (JH, PJ, RA, WG); Cyprus, 5 km NE Lemesos, Germasogeia Dam env., 19.3.2012, several adults by sweeping of vegetation (JH).

Tribe Deilini

16) *Deilus rugosicollis ssp. kadleci* Sama & Rapuzzi 2012

Material: Cyprus, 28 km N Pafos, 7 km W Polis, Neo Chorio env., 5.4.2006, larvae, pupae and 2 adults in pupal cells built in dead branches of *Genista fasselata*, other 1 adult emerged 23.4.2006 (PJ).

17) *Delagraneus (Delagraneus) angustissimus ssp. troodi* Sama, 1994

Material: Cyprus, 41 km NE Pafos, 2,5 km SE Prodromos, Olympos Mt. 1951 m, 1.4.2006, many adults and immature adults observed in pupal cells built in dead branches of *Juniperus foetidissima* (JH, PJ, RA, WG).

Tribe Stenopterini

18) *Stenopterus similatus* ssp. *mehli* Sama, 1995

Material: Cyprus, 15 km E Pafos, Kouklia env., 28.3.2006, 1 larva in dead branch of *Ceratonia siliqua*, 1 adult emerged 20.6.2006 (PJ); Cyprus, 10 km NE Limassol, Armenochori env., 20.5.2008, 1 adult in a pupal cell in a dead twig of *Pistacia* sp. (PZ); Cyprus, 16 km E Pafos, Kouklia env., 23.5.2008, 3 adults on flowers of *Apiaceae* (PZ).

Tribe Nathriini

19) *Nathrius brevipennis* (Mulsant, 1839)

Material: Cyprus, 20 km N Pafos, Avgas Gorge (Agios Georgios), 28.3.2006, larvae in dead branches of *Ceratonia siliqua*, 5 adults emerged from 3.5. to 26.5.2006 (JH); Cyprus, 15 km NE Lemesos, Kellaki env., 26.3.2006, larvae in dead branches of *Juglans regia*, 2 adults emerged 30.6.2006 (PJ); Cyprus, 20 km NW Pafos, Avakas Gorge, 24.5.2008, 1 adult sitting on a dead twig of *Pistacia* sp. (PZ).

Tribe Molorchini

20) *Molorchus (Molorchus) bassettii* (Sama, 1992)

Material: Cyprus, 28 km N Pafos, 25 km E Polis, Cedar Valley (outside the Nature Reserve), 30.3.-31.3.2006, larvae, praepupae, pupae and immature adults in dead twigs of *Cedrus brevifolia*, adults emerged from 14.4. to 8.5.2006 (JH, PJ, WG); Cyprus, 28 km NE Paphos, Troodos Mts., Cedar Valley (outside the Nature Reserve), 17.3.2012, larvae in dead tiny twigs of *Cedrus brevifolia* lying on the ground, adults reared subsequently (JH).

Tribe Cerambycini

21) *Cerambyx (Cerambyx) nodulosus* Germar, 1817

Material: Cyprus, Pafos, Panagia, 2.7.2009, 1 adult (CM, in coll. JH).

Tribe Purpuricenini

22) *Purpuricenus interscapillatus* ssp. *interscapillatus* Plavilstshikov, 1937

Material: Cyprus, Lemesos, Platres, 11.6.2000, 1 adult in a wine trap (CM, in coll. JH); Cyprus, Pafos, Panagia (Kountoroi), 20.6.2000, 1 adult in a wine trap (CM, in coll. JH).

23) *Purpuricenus nicocles* Schaufuss, 1871

Material: Cyprus, 25 km N Lemesos, Alona env., 1.4.-3.4.2006, larvae in living branches of *Quercus alnifolia* (JH, PJ, RA, WG); Cyprus, 28km N Pafos, 25 km E Polis, Cedar Valley (outside the Nature Reserve), 30.3.-31.3.2006, larvae in living branches of *Quercus alnifolia* (JH, PJ, RA, WG), 2 adults emerged from 6.7. to 9.7.2007 (RA); Cyprus, Nicosia, Troodos Mts., Alona env., 22.5.2008, 1 adult on a leaf of a living oak (*Quercus alnifolia*) (PZ); Cyprus, Lemesos District, Melini - 680 m, N 34°51.470', E 33°09.329', 25.-26.5.2009, several adults flying around tree tops or sitting on the leaves of their host (*Quercus alnifolia*) (DD, 1 adult in coll. WG, 2 adults in coll. TT); Cyprus, Larnaca distr., Lageia env., 34°50'6.00"N 33°15'33.48"E, 4.5.2013, 1 adult on *Quercus coccifera* (RD); Cyprus, Nicosia distr., Cedar Valley (outside the Nature Reserve), 7.5.2013, 1 adult on *Quercus alnifolia* (RD).

Remarks: *Purpuricenus nicocles* is found in maquis with *Quercus coccifera*, on the igneous slopes with *Quercus alnifolia*, but also in *Pinus brutia* and *Cedrus brevifolia* forests with understory of *Quercus alnifolia*. Larvae develop in living branches and twigs of *Quercus coccifera* and *Quercus alnifolia*. Pupation takes place in the autumn and adults overwinter in the pupal cells. Adults can usually be found flying around tree tops or sitting on the leaves of their host, especially in May.

24) *Calchaenesthes primis* Özdikmen, 2013

Material: Cyprus, Pafos, Eledio, 4.5.2007, 1 adult on *Quercus* sp. (CM, in coll. JH); Cyprus, Larnaka distr., 2.2 km W Pano Lefkara, 625 m, 12.4.2013, about 50 adults on *Quercus* sp. (ZL, 1 adult in coll. RA).

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Remarks: *Calchaenesthes primis* is known only from Turkey. This species is new for the fauna of Cyprus.

In Turkey (Erdemli, Arslanli, 36°41'N 34°10'E), larvae of *Calchaenesthes primis* develop in living twigs of *Quercus coccifera* and quite likely also other *Quercus* spp. Pupation takes place in the autumn and adults overwinter in the pupal cells. Adults can usually be found sitting on the leaves or flying around of their host, especially from early April to early May.

Tribe Callidiini

25) *Phymatodes (Phymatodes) testaceus* (Linnaeus, 1758)

Material: Cyprus, Lemesos distr., Kyperounda env., 34°56'29.04"N 32°58'5.88"E, 6.5.2013, 1 adult on a dead branch of *Prunus* sp. (RD); Cyprus, Nicosia distr., Kampos vill., 35°2'15.72"N 32°43'55.92"E, 6.5.2013, 1 adult on cordwood (RD).

Tribe Clytini

26) *Chlorophorus (Immaculatus) varius* ssp. *damascenus* (Chevrolat, 1854)

Material: Cyprus, 20 km N Pafos, Avgas Gorge (Agios Georgios), 28.3.2006, 1 larva in dead branch of *Ceratonia siliqua*, 1 adult emerged 27.6.2006 (PJ); Cyprus, Lemesos distr., Pera Pedi, 34°51'41.76"N 32°52'17.04"E, 21.6.2007, 1 adult on flowers of *Apiaceae* (RD); Cyprus, 16 km E Pafos, Kouklia env., 23.5.2008, 2 adults on flowers of *Apiaceae* (PZ); Cyprus, 20 km NW Pafos, Avakas Gorge, 24.5.2008, 3 adults on flowers of *Apiaceae* (PZ).

27) *Chlorophorus (Perderomaculatus) sartor* (Müller, 1766)

Material: Cyprus, 20 km NW Pafos, Avakas Gorge, 24.5.2008, 2 adults on flowers of *Apiaceae* (PZ).

28) *Clytus (Clytus) rhamni* ssp. *temesiensis* (Germar, 1824)

Material: Cyprus, 10 km SE Kouklia, Petra tou Romiou, 4.4.2006, larvae in *Pistacia* sp., 3 adults emerged from 28. 4. to 30.4.2006 (PJ), Cyprus, 20 km NW Pafos, Avakas Gorge, 24.5.2008, 2 adults on flowers of *Apiaceae* (PZ).

Subfamily Lamiinae

Tribe Pteropliini

29) *Niphona* (*Niphona*) *picticornis* Mulsant, 1839

Material: Cyprus, 20 km N Pafos, Avgas Gorge (Agios Georgios), 28.3.2006, 1 adult in a pupal cell built in a dead branch of *Ceratonia siliqua* (PJ); Cyprus, 5 km NE Lemesos (Limassol), Germasogeia Dam env., 2.4.-6.4.2006, 1 adult on *Pistacia terebinthus* (PJ), 1 adult in a pupal cell built in a dead branch of *Ceratonia siliqua* (RA), larvae in dead branches of *Ceratonia siliqua*, 3 adult emerged from 15.4. to 20.4.2006 (PJ, RA); Cyprus, 28 km N Pafos, 7 km W Polis, Neo Chorio env., 5.4.2006, 1 adult on *Pistacia terebinthus* (RA), 2 adults in pupal cells built in dead branches of *Pistacia terebinthus* (JH); Cyprus, 10 km NE Limassol, Armenochori env., 20.5.2008, 1 adult on *Pistacia sp.* (PZ).

Tribe Pogonocherini

30) *Pogonocherus* (*Pogonocherus*) *anatolicus* K. Daniel, 1898

Material: Cyprus, Lemesos, Amyantos, 2002, larvae in *Pinus brutia*, adults reared subsequently (CM, in coll. JH).

Tribe Apodasyini

31) *Deroplia genei* ssp. *konvickai* Rapuzzi & Sama, 2012

Material: Cyprus, Larnaka, 2 km N Pano Lefkara, 19.5.2008, larvae in dead twigs of *Quercus coccifera* subsp. *calliprinos*, 1 immature adult found in pupal cell 21.10.2008 (PZ); Cyprus, Larnaka distr., 2.2 km W Pano Lefkara, 625 m, 12.4.2013, 2 adults on *Quercus sp.* (ZL).

Remarks: The first record of host plant for this subspecies.

Tribe Exocentrini

32) *Exocentrus (Exocentrus) adspersus* Mulsant, 1846

Material: Cyprus, 15 km NE Lemesos, Kellaki env., 26.3.2006, larvae in dead branches of *Juglans regia*, 2 adults emerged from 15.6. to 17.6.2006 (RA, in coll. PJ).

Remarks: *Exocentrus adspersus* is distributed in Palearctic Region: Europe (Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Italy, Luxembourg, Moldova, Poland, Romania, Russia: North of European Russia, Central and South of European Russia and Russian Caucasus, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine), Asia (Armenia, Azerbaijan, Georgia, Kazakhstan, Russia: ?West Siberia, Syria, Turkey).

This species is new for the fauna of Cyprus.

Tribe Phytoeciini

33) *Phytoecia (Phytoecia) croceipes* Reiche et Saulcy, 1858

Material: Cyprus, 24 km W Lemesos, Avdimou env., 23.3.2012, adults by sweeping of vegetation, host plant unknown (JH).

34) *Phytoecia (Phytoecia) geniculata ssp. geniculata* Mulsant, 1863

Material: Cyprus, 28 km N Pafos, 7 km W Polis, Neo Chorio env., 30.3.2006, 1 adult on *Silybum marianum* (JH); Cyprus, 30 km W Larnaka, Kato Lefkara env., 7.4.2006, 1 adult on *Silybum sp.* (RA); Cyprus, 26 km SW Larnaka, 3 km N Skarinou, Dhypotamos Dam env., 7.4.2006, 1 adult on *Carduus sp.* (PJ).

35) *Phytoecia (Phytoecia) virgula* (Charpentier, 1825)

Material: Cyprus, 10 km SW Lemesos, Akrotiri env., 2.4.2006, 5 adults on stalks of *Pallenis spinosa* (*Asteraceae*) (JH, PJ, RA); Cyprus, 26 km SW Larnaka, 3 km N Skarinou, Dhypotamos Dam env., 7.4.2006, 3 adults on stalks of *Pallenis spinosa* (*Asteraceae*) (JH, PJ).

36) *Phytoecia (Coptosia) ganglbaueri* Pic, 1936

Material: Cyprus, 8 km SW Lemesos, 4 km N Akrotiri, Fasouri, 24.3.2012, adults on *Cynoglossum creticum* (JH).

37) *Phytoecia (Helladia) adelpha* Ganglbauer, 1886

Material: Cyprus, Lemesos, Fasouri, 5.4.2003, 1 adult on *Centaurea calcitrapa* (CM, in coll. JH).

38) *Phytoecia (Helladia) millefolii ssp. alziari* (Sama, 1992)

Material: Cyprus, 10 km SW Lemesos, Akrotiri env., 27.3.-2.4.2006, 6 adults, by sweeping of vegetation (JH, PJ, RA, WG); Cyprus, 26 km SW Larnaka, 3 km N Skarinou, Dhypotamos Dam env., 7.4.2006, 1 adult, by sweeping of vegetation (JH); Cyprus, 8 km SW Lemesos, 4 km N Akrotiri, Fasouri, 24.3.2012, adults on *Dittrichia viscosa* (JH); Cyprus, 28 km W Lemesos, Pissouri env., 25.3.2012, adults on *Dittrichia viscosa* (JH); Cyprus, Larnaca distr., Lageia env., 34°50'6.00"N 33°15'33.48"E, 3.5.2013, 1 adult, by sweeping of vegetation (RD).

39) *Phytoecia (Helladia) humeralis ssp. humeralis* (Waltl, 1838)

Material: Cyprus, 10 km SW Lemesos, Akrotiri env., 27.3.-6.4.2006, many adults on *Silybum sp.* and *Centaurea sp.* (JH, PJ, RA, WG); Cyprus, 10 km W Lemesos (Limassol), 3 km SW Erimi, Kourion env., 27.3.2006, 1 adult, by sweeping of vegetation (RA); Cyprus, 15 km E Pafos, Kouklia env., 28.3.2006, 12 adults on *Centaurea hyalolepis* (JH, PJ, RA, WG); Cyprus, 28 km N Pafos, 7 km W Polis, Neo Chorio env., 29.3.-5.4.2006, 12 adults on *Carduus sp.* (JH, PJ, RA, WG); Cyprus, 8 km NE Lemesos (Limassol), Akrounta env., 2.4.2006, 8 adults on *Carduus sp.* (PJ); Cyprus, 26 km SW Larnaka, 3 km N Skarinou, Dhypotamos Dam env., 7.4.2006, 11 adults on *Silybum sp.* and *Carduus sp.* (JH, PJ, RA, WG); Cyprus, 24 km W Lemesos, Avdimou env., 21.3.2012, many adults on *Silybum marianum* (JH); Cyprus, 24 km W Lemesos, Avdimou env., 23.3.2012, adults on *Silybum marianum* (JH);

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Cyprus, 8 km SW Lemesos, 4 km N Akrotiri, Fasouri, 24.3.2012, 1 adult on *Centaurea sp.* (JH).

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40) *Calamobius filum* (Rossi, 1790)

Material: Cyprus, 10 km SW Lemesos, Akrotiri env., 27.3.-4.4.2006, 34 adults, by sweeping of vegetation (JH, PJ, RA, WG); Cyprus, 15 km E Pafos, Kouklia env., 28.3.2006, 3 adults, by sweeping of vegetation (JH); Cyprus, 8 km NE Lemesos, Akrounta env., 2.4.2006, 1 adult, by sweeping of vegetation (WG); Cyprus, 7 km E Lemesos (Limassol), Amathous env., 2.4.2006, 7 adults, by sweeping of vegetation (JH, RA); Cyprus, 26 km SW Larnaka, 3 km N Skarinou, Dhypotamos Dam env., 7.4.2006, 3 adults, by sweeping of vegetation (PJ); Cyprus, Lemesos distr., Kalo Chorio env., 34°51'1.80"N 33°1'33.60"E, 13.4.2006, 1 adult, by sweeping of vegetation (RD); Cyprus, 24 km W Lemesos, Avdimou env., 23.3.2012, adults by sweeping of vegetation (JH).

41) *Agapanthia (Smaragdula) gemella* Holzschuh, 1989

Material: Cyprus, 15 km NE Lemesos, Dierona env., 26.3.2006, 10 immature adults in dead stalks of *Erophaca baetica subsp. orientalis* (*Fabaceae*), 3 adults on the leaves of this plant (JH, PJ, RA); Cyprus, 25 km N Lemesos, Alona env., 1.4.-3.4.2006, many immature adults and pupae in dead stalks of *Erophaca baetica subsp. orientalis* (*Fabaceae*) (JH, PJ, RA, WG); Cyprus, Nicosia distr., Pedoulas env., 9.4.2006, 6 adults on *Erophaca baetica subsp. orientalis* (*Fabaceae*) (RD); Cyprus, 22 km NE Lemesos, 1 km E Melini, 19.3.2012, adults in dead cut-off stems of *Erophaca baetica subsp. orientalis* (*Fabaceae*) (JH).

Remark: Larvae of this species feed in central part of stalks of its living host plants. At the end of the season, larva girdles the stalk just at the ground level and the stalk falls off. The pupation takes place in cut-off part of the stalk.

42) *Agapanthia (Agapanthia) suturalis* (Fabricius, 1787)

Material: Cyprus, 10 km SW Lemesos, Akrotiri env., 27.3.-6.4.2006, many adults on different herbaceous plants: *Carduus sp.*, *Cirsium sp.*, *Chrysanthemum sp.* (JH, PJ, RA, WG); Cyprus, 15 km E Pafos, Kouklia env., 27.3.-28.3.2006, 35 adults on different herbaceous plants: *Carduus sp.*, *Cirsium sp.*, *Chrysanthemum sp.* (JH, PJ, RA, WG); Cyprus, 10 km N Pafos, Coral Bay env., 28.3.2006, 5 adults on *Carduus sp.* (JH, WG); Cyprus, 28 km N Pafos, 7 km W Polis, Neo Chorio env., 29.3.-5.4.2006, 5 adults on *Carduus sp.* (JH, PJ, RA); Cyprus, 8 km NE Lemesos, Akrounta env., 2.4.2006, 1 adult on *Carduus sp.* (PJ); Cyprus, 7 km E Lemesos, Amathous env., 2.4.2006, 2 adults on *Carduus sp.* (JH, RA); Cyprus, 26 km SW Larnaka, 3 km N Skarinou, Dhypotamos Dam env., 7.4.2006, 6 adults on *Carduus sp.*, *Cirsium sp.* and on stalk of unknown *Asteraceae* plant (JH, RA); Cyprus, Paphos distr., Nata env., 34°45'45.36"N 32°34'22.80"E, 8.4.2006, 2 adults, by sweeping of vegetation (RD); Cyprus, Lemesos distr., Armenochori env., 34°44'33.74"N 33°7'22.18"E, 11.4.2006, 1 adult, by sweeping of vegetation (RD); Cyprus, 16 km E Pafos, Kouklia env., 23.5.2008, 2 adults on *Carduus sp.* (PZ); Cyprus, 24 km W Lemesos, Avdimou env., 23.3.2012, 1 adult, by sweeping of vegetation (JH); Cyprus, Larnaca distr., Mazotos env., 34°48'18.36"N 33°30'48.24"E, 3.5.2013, 3 adults, by sweeping of vegetation (RD).

43) *Agapanthia (Epopetes) nicosiensis* Pic, 1927

Material: Cyprus, 26 km SW Larnaka, 3 km N Skarinou, Dhypotamos Dam env., 7.4.2006, 6 adults on *Carduus sp.* (JH, PJ); Cyprus, Pafos, Agia Varvara, 8.1.2009, 1 adult (CM, in coll. JH); Cyprus, Akamas peninsula, 27 km N Paphos, 3 km W Neo Chorio, Camping site „Smigies“ env., 22.3.2012, adults sitting on *Asphodelus sp.* (JH); Cyprus, Larnaca distr., Lageia env., 34°50'6.00"N 33°15'33.48"E, 3.5.2013, 3 adults, by sweeping of vegetation (RD).

ACKNOWLEDGEMENTS. The authors are deeply indebted to all friends and colleagues who contributed to this work with their data and for loan of some specimens for study. These include Diethard Dauber (Linz, Austria), Roman Dudl (Planá nad Lužnicí, CZ), Pavel Jelínek (Brno, CZ), Zdeno Luchbauer (Kettering, UK), Christodoulos Makris (Lemesos, CY), Tomáš Tichý (Opava, CZ) and Petr Zlámal (Prague, CZ). We also thank to Gabriel Alziar (Cassagnes-Bégonhès, FR), Charalambos Christodoulou (Lefkosia, CY) and Tomáš Svačina (Bystrice pod Hostýnem, CZ) for the identification of some host plants.

REFERENCES

- Berger P. 1988. Contribution a l'histoire naturelle de l'île de Chypre. Coleoptera: Cerambycidae, Buprestidae, Elateridae. Biocosme Mésogéen, Nice, 5(3-4): 77-83.
- Danilevsky M.L. 2010. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Russian Entomological Journal, 19, 3: 215-239.
- Danilevsky M.L. 2011. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. II. Russian Entomological Journal, 19 [2010], 4: 313-324.
- Danilevsky M.L. 2012. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. III. Humanity Space. International Almanac, Vol. 7, No. 1: 109-173.
- Danilevsky M.L. 2012. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. IV. Humanity Space. International Almanac, Vol. 1, No. 1: 86-136.
- Danilevsky M.L. 2012. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. V. Humanity Space. International Almanac, Vol. 1, No. 3: 695-741.
- Danilevsky M.L. 2012. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. VI. Humanity Space. International Almanac, Vol. 1, No. 4: 900-943.
- Danilevsky M.L. 2013. Additions and corrections to the new Catalogue of Palaearctic Cerambycidae (Coleoptera) edited by I. Löbl and A. Smetana, 2010. Part. VII. Humanity Space. International Almanac, Vol. 2, No. 1: 170-210.
- Georghiou G.P. 1977. The Insects and Mites of Cyprus. Kiphissia, Athens, 347 pp.
- Hadjisterkotis E., Masala B., 1995. Vertebrate extinction in Mediterranean islets: an

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- example from Cyprus. *Biogeographia*, 18: 691-699.
- Hadjisterkotis E., Masala B., Reese D., 2000, The origin and extinction of the large endemic Pleistocene mammals of Cyprus. *Biogeographia Anatolia*, XXI: 593-606.
- Kyriacou K., 2005. Country report - Cyprus. COST Action E27. Protected forest areas in Europe - analysis and harmonisation (PROFOR). Reports of signatory states: 55-60
- Löbl I., Smetana A., (eds.), 2010. Catalogue of Palaearctic Coleoptera. Vol. 6: Chrysomeloidea. Apollo Books, Stenstrup: 924 pp.
- Plavilstshikov N.N. 1936. Fauna SSSR. Nasekomye zhestokrylye. T. XXI. Zhuki-drovoseki. (ch. 1). Moskva – Leningrad, Izdatel'stvo Akademii Nauk SSSR: 662 + (1) pp.
- Plavilstshikov N.N. 1940. Fauna SSSR. Nasekomye zhestokrylye. T. XXII. Zhuki-drovoseki. (ch. 2). Moskva – Leningrad, Izdatel'stvo Akademii Nauk SSSR: 784 + (3) pp.
- Plavilstshikov N.N. 1958. Fauna SSSR. Nasekomye zhestokrylye. T. XXIII, vyp. 1. Zhuki-drovoseki. Ch. 3. Podsemeistvo Lamiinae, ch. 1. Moskva – Leningrad, Izdatel'stvo Akademii Nauk SSSR: 591 + (1) pp.
- Pic M., 1927. Notes diverses, descriptions et diagnoses. *Mat. Long.*, 43, no. 427: 51
- Rapuzzi P., Sama G. 2012. New taxa and new records of Longhorn Beetles from Eastern Mediterranean Region (Coleoptera: Cerambycidae). *Munis Entomology & Zoology* 7 (2): 663-690.
- Sama G. 1985. Description de *Grammoptera baudii* sp. n. de Chypre, et de *Delagrangeus schurmanni* sp. n. des Iles Canaries. *Biocosme Mésogéen*, Nice 2 (3): 97-104.
- Sama G. 1992. Descrizione di nuovi Cerambycidae dell'isola di Cipro. *Lambillionea*, 92, 4: 297-307.
- Sama G. 1994b. Deuxieme note sur les Cerambycidae de Chypre. Revision de la collection du departement of Agriculture de Chypre avec description d'un nouveau *Leiopus* Serville et deux *Trichoferus* Wollaston du Ciste (Coleoptera, Cerambycidae). *Biocosme Mésogéen* (Nice) 11, 2: 37-47.
- Sama G. 1995b. Studi sugli Stenopterini. II genere *Stenopterus* Illiger, 1804. *Bull. Soc. ent. France*, 100, 4: 385-410.
- Sama G., Makris C. 2001. Description of *Trichoferus georgioui* sp. nov. from Cyprus. *Entomol. Zeits.*, 111(6): 166-167.
- Schaufuss L.W. 1871. Neue Purpuricenuss-Arten vorgelegt in der "Gessellschaft für Botanik & Zoologie zu Dresden am 12 October 1871". *Nunquam Otiosus*, Dresden 1: 209-210.

Received: 18.01.2014

Accepted: 24.01.2014