

Contribution to the knowledge of *Thorictus* Germar, 1834 from Greece (Coleoptera: Dermestidae: Thorictinae)

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Abstract. The species *Thorictus pilosus* Peyron, 1857 is newly recorded from Rhodos Island with a new host ant *Messor* sp.; *Thorictus grandicollis* Germar, 1842 is newly recorded from Lemnos, Lesbos, Samos and Korfu Islands. A new synonymy is proposed: *Thorictus grandicollis* Germar, 1842 (= *Thorictus parnassus* John, 1971 syn. nov.). All *Thorictus* Germar, 1834 species recorded from Greece are listed.

INTRODUCTION

The myrmecophilous dermestid genus *Thorictus* Germar, 1834 recently contains 170 species and subspecies known from Palaearctic, Afrotropical and Oriental Regions (Háva 2015a). Studies of *Thorictus* species from Palaearctic Region were recently published by the following authors: Háva 2006, 2008, 2013a,b, 2014a,b, 2015a,b, 2016, Háva & Lenoir 2010, Háva et al. 2012, and Zhantiev 2010, 2011a,b. More species from Greece were described and redescribed by John (1963, 1965, 1971). In the present article, new records and one synonymy of *Thorictus* species from Greece are mentioned.

MATERIAL AND METHODS

The nomenclature and zoogeography follow Háva (2015a).

The material is deposited in the following collections:

- AHEC Andreas Herrmann, private collection, Stade, Germany;
JHAC Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-west, Czech Republic;
MMPC Marion Mantič, private collection, Hlučín-Borovníky, Czech Republic;
NHMW Naturhistorisches Museum, Wien, Austria;
ZMUB Humboldt-Universität, Zoologische Museum für Naturkunde, Berlin, Germany.
The map was downloaded from Internet: <https://www.justgreece.com/>.

RESULTS

Thorictus pilosus Peyron, 1857

Material examined: Greece: Rhodos ins. /1/, Kolymbia, 21.05.2011, Mantič lgt., lesostep [forest-graft] -Messor sp. / 36°15'08''N, 28°10'05''E, 68 spec., J. Háva det., (60 MMPC, 8 JHAC).

Distribution. A species known from Greece (continental); Cyprus; Turkey; Egypt; Libya; Tunisia;

Iraq; Israel; Jordania; Lebanon; „Palestina”; Syria; Uzbekistan, new record from Rhodos Island.

Host ant: *Aphanogaster* sp., *Cataglyphis* sp.: Háva, 2015. The genus and species *Messor* sp. is a new host ant.



1

Fig. 1. Locality of *Thorictus pilosus* from Rhodos Island.



2

Fig. 2. Nest of *Messor* sp. host ant for *Thorictus pilosus* from Rhodos Island.

Thorictus grandicollis Germar, 1842

Thorictus parnassus John, 1971: 148 **syn. nov.**

Type material: *Thorictus parnassus*: 2 syntypes: 'Graecia, Parnass' \ 'Thorictus Germ. [printed] parnassus John [handwritten] det. H. John [printed]' \ 'Typus' [red printed label], (ZMUB).

Material examined: Greece, **Samos** ins.or., Kosmadei /3/, 05.06.2015, Mantič lgt., Pineto-Quercetum / sifting, 26°39'41" E, 37°45'38"N, 17 spec., J. Háva det., (13 MMPC, 4 JHAC); Greece, **Korfu** isl. mer., Agios Georgios-Arigirades, 11.06.2014, Mantič lgt. / 39°26'16"N, 19°57'02"E, lesostep u moře-hnizdo [forest graft near sea-nest] *Messor* sp., 23 spec., J. Háva det., (19 MMPC, 4 JHAC); Greece, Korfu, 2.iv.29, Beiber lgt., 1 spec., (NHMW); Greece, **Lemnos** Ins., Skopia, 400 m, 18.5.1984, H. Schönman leg., 11 spec., (9 NHMW, 2 JHAC); Greece, **Lesbos**, Kaloni, 19.03.2005, Lompe & Meybohm leg., 3 spec., A. Herrmann det., (AHEC); other ca. 80 spec. from continental Greece (JHAC).

Remarks. John (1971) described species *Thorictus parnassus* from Greece: Parnass, all morphological characters is identical with *T. grandicollis* Germar, 1842. *T. parnassus* is a junior synonym for *T. grandicollis* Germar, 1842. The species *T. grandicollis* is very variable in colour and structure of ventral setation and it probably has a lot of different populations that differ slightly from one another, but there are transitional forms.

Distribution. A species known from Albania; Armenia; Azerbaijan; Bulgaria; Croatia; Cyprus; England (intr.); France; Greece (including Crete); Italy; Mallorca; Malta; Portugal; Sardinia; Sicilia; Spain; Turkey; Ukraine; Algeria; Egypt; Morocco; Tunisia; Israel; Russia: European part; Syria; Turkmenistan (Háva 2015a), new data from Greece: Lemnos, Lesbos, Samos and Korfu Islands.

Host ant: *Cataglyphis* sp., *Tetramorium* sp., *Pheidole* sp., *Monomorium* sp., *Salamonis* sp., *Aphanogaster* sp., *Messor* sp., *Lasius* sp. (Háva 2015).



Map.1. Map of Greece with Islands.

LIST OF *THORICTUS* SPECIES RECORDED FROM GREECE

The following list is distribution in Greece, other countries not included.

Greece = continental Greece

* = new records

***Thorictus* Germar, 1834**

***castaneus* species group**

castaneus leonhardi Reitter, 1913

Zakynthos

pilosus Peyron, 1857

Greece; Rhodos*

= *piliger* Schaum in Kraatz, 1858

= *pubescens* Cöye, 1870

= *mesopotamicus* Escalera, 1923

= *pilosus* var. *rufocinctus* Pic, 1924

politus Wasmann, 1895

Greece

***orientalis* species group**

dimidiatus Peyron, 1857

Greece

grandicollis Germar, 1842

Greece; Crete; Naxos; Kephalonia; Korfu*; Samos*;
Lemnos*; Lesbos*

= *germari* Lucas, 1846

= *loricatus* Peyron, 1857

= *gallicus* Peyron, 1857

= *bicolor* Kraatz, 1858

= *atticus* Rey, 1889

= *corsicus* Rey, 1889

= *rufithorax* Rey, 1889

= *grandicollis* var. *loricatoides* Wasmann, 1896

= *grandicollis* var. *creticus* Obenberger, 1917

= *pusillus* John, 1965

= *sicilianus* John, 1965

= *hauseri* John, 1971

= *parnassus* John, 1971 **syn. nov.**

hilfi John, 1965

Zakynthos

orientalis Peyron, 1857

Greece, Rhodos

= *spectabilis* Kraatz, 1858

= *circumflexus* Cöye, 1870

= *duplimargo* Reitter, 1909

= *lebedewi* Reitter, 1909

= *babadjanidis* John, 1971

paganettii Obenberger, 1917

Crete

= *cretensis* John, 1971

stricticollis Kraatz, 1859

Greece

= *stricticollis* var. *nigripennis* Reitter, 1881

tuberosus Reitter, 1881

Rhodos

= *palmi* John, 1964

vonoortzeni John, 1971

Crete

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