

ARNALDO BORDONI (*)

NEW DATA ON STAPHYLINIDAE OF THE CIRCUMSICILIAN
ISLANDS AND *HETEROTHOPS CANARIENSIS*
NEW RECORD FOR ITALY
(Coleoptera) (**)

INTRODUCTION

The knowledge of the distribution of Staphylinids of the circumsicilian islands had summarized several years ago (Bordoni, 1973). Following the contribution of new material, I think useful to publish a further list of species, subject of this brief note. It provides an additional contribution to the knowledge of the family in an area very little investigated. The species known from the circumsicilian islands are currently 222. I hope that other research will be carried out before the anthropic action and the impoverishment of the area preventing further investigations of this fauna.

MATERIAL EXAMINED

Eusphalerum luteum (Marsham, 1802)

RECORDS. Linosa, Pozz. Ponente, S. Borroni & G. Goggi leg. 9.VI.2003, 2 exx. (coll. Borroni), 1 ex. (coll. Bordoni).

NOTE. The species, central European entities, up to northern Italy and North Balkans, mostly confined to the mountain level (Zanetti, 1987), is currently separated into two subspecies: the typical form is known of the central-eastern Alps but not occurs in western Alps, in peninsular Italy and Sicily. His collection in Linosa is therefore quite unusual, especially since the determination has been controlled (Zanetti det.). *E. luteum dispar* (Baudi, 1889) is known to the western Alps, Apennines and Sicily (Zanetti, 1987).

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(**) 196° contribution to the knowledge of Staphylinidae.

Eusphalerum pallens (Heer, 1841)

RECORDS. Lampedusa, Cala Creta, S. Borroni & G. Goggi leg. 10.VI.2003, 1 ex. (coll. Borroni). Isolotto dei Conigli, S. Borroni & G. Goggi leg. 11.VI.2003, sub *Pistacia*, 1 ex. (coll. Borroni). Linosa, Pineta, S. Borroni & G. Goggi leg. 5.VI.2003, 1 ex. (coll. Bordini).

NOTE. The species, known to the Alps, north-central Apennines, south at least to the Abruzzo National Park and in northern Balkans (Zanetti, 1987), lives on various herbaceous plants from the mountain to the subalpine level. Again his collection in the islands of Sicily is very interesting.

Anotylus inustus (Gravenhorst, 1806)

RECORDS. Alicudi, Dirittusu, P. Lo Cascio & S. Pasta leg. 15.III.2000, sub *Spartium junceum*, 3 exx. (coll. Bordini). Lipari, Vallone Fiume Bianco, P. Lo Cascio & S. Pasta leg. 15.IV.1995, 3 exx. (coll. Bordini).

NOTE. Italian Peninsula and islands. Cited from Favignana (Bordini, 1973). New record for Alicudi and Lipari.

Stenus aceris Stephens, 1833

RECORDS. Alicudi, Dirittusu, P. Lo Cascio & S. Pasta leg. 15.III.2000, sub *Spartium junceum*, 1 ex. (coll. Bordini).

NOTE. Italian Peninsula and islands. Cited from Lipari (Bordini, 1973). New record for Alicudi.

Rugilus orbiculatus (Paykull, 1789)

RECORDS. Alicudi, Dirittusu, P. Lo Cascio & S. Pasta leg. 15.III.2000, 1 ex. (coll. Bordini).

NOTE. Italian Peninsula and islands. New record for Alicudi.

Sunius melanocephalus (Fabricius, 1793)

RECORDS. Filicudi, Zucco Grande, P. Lo Cascio leg. 2.I.1997, 2 exx. (coll. Bordini).

NOTE. Cited from the Italian Peninsula and dubitatively from Sicily and Sardinia. New record for Filicudi.

Astenus curtulus (Erichson, 1840)

RECORDS. Alicudi, Pianicello, P. Lo Cascio, S. Pasta & V. Pancioli leg. 3.I.1998, 2 exx. (coll. Bordini).

NOTE. Italian Peninsula and islands. New record for Alicudi.

Astenus melanurus (Küster, 1853)

RECORDS. Linosa, Arena Bianca, S. Borroni & G. Goggi leg. 25.V.2003, 1 ex. (coll. Bordini).

NOTE. The distribution in Italy of this species is still poorly defined (probably central and southern regions, Sicily and Sardinia). Cited from Vulcano (Bordini, 1973). New record for Linosa.

Oedichirus paederinus Erichson, 1840

RECORDS. Lipari, Timpone Ricotta, P. Lo Cascio leg. 8.X.1996, 2 exx. (coll. Bordini).

NOTE. This species is known from North Africa, Spain, southern Italy, Sicily and Sardinia. New record for Lipari.

Achenium striatum (Latreille, 1804)

RECORDS. Lipari, Palmeto, P. Lo Cascio leg. 19.IV.1996, 1 ex. (coll. Bordini).

NOTE. This species seems to occur in southern Italy and Sicily. New record for Lipari.

Xantholinus rufipennis Erichson, 1839

RECORDS. Lipari, Vallone Muria, P. Lo Cascio leg. 19.IV.1996, 1 ex.; Timpone Ricotta, P. Lo Cascio leg. 8.X.1996, 3 exx. (coll. Bordini).

NOTE. East-Mediterranean species, known from southern Italy, Sicily, Tremiti Islands (Bordini, 1976), was cited from Ustica (Riggio, 1885; Luigioni, 1929), Lipari and Panarea (Bordini, 1973).

Othius laeviusculus Stephens, 1833

RECORDS. Alicudi, Dirittusu, P. Lo Cascio & S. Pasta leg. 15.III.2000, 1 ex. (coll. Bordini).

NOTE. Italian Peninsula and islands. Cited from Pantelleria (Liebmann, 1962) and Vulcano (Bordini, 1973). New record for Alicudi.

Astrapaeus ulmi (Rossi, 1790)

RECORDS. Lipari, Timpone Ricotta, P. Lo Cascio leg. 4.X.1997, 1 ex.; Castellaro, N. Curletti, B. Cecchi, L. Dapporto, P. Lo Cascio & C. Moreno leg. 23.VI.1998, 1 ex. (coll. Bordini).

NOTE. Italian Peninsula and islands. New record for Lipari.

Cafius xantholoma Gravenhorst, 1806

RECORDS. Alicudi, Dirittusu, P. Lo Cascio & S. Pasta leg. 15.III.2000, 1 ex. (coll. Bordoni).

NOTE. Italian Peninsula and islands. Cited from Salina and Favignana (Bordoni, 1973). New record for Alicudi.

Remus sericeus Holme, 1873

RECORDS. Alicudi, Dirittusu, P. Lo Cascio & S. Pasta leg. 15.III.2000, sub *Spartium junceum*, 1 ex. (coll. Bordoni).

NOTE. Italian Peninsula and islands. Cited from Lampedusa (Calcara, 1846). New record for Alicudi.

Philonthus parvicornis (Gravenhorst, 1802)

RECORDS. Filicudi, Zucco Grande, P. Lo Cascio leg. 2.I.1997, 1 ex. (coll. Bordoni).

NOTE. Italian Peninsula and islands. New record for Filicudi.

Philonthus politus (Linné, 1758)

RECORDS. Lipari, Capperò, P. Lo Cascio leg. 6.X.1996, 1 ex.; Vallone Fiume Bianco, P. Lo Cascio & S. Pasta leg. IX.1985, on dead bird, 1 ex. (coll. Bordoni).

NOTE. Italian Peninsula and islands. New record for Lipari.

Philonthus spinipes Sharp, 1874

RECORDS. Vulcano, Piano, P. Lo Cascio leg. 13.III.2000, on dung, 1 ex. (coll. Bordoni).

NOTE. Introduced species, cited from the Italian Peninsula. New record for Vulcano.

Ontholestes murinus (Linné, 1758)

RECORDS. Vulcano, Piano, P. Lo Cascio leg. 13.III.2000, on dung, 1 ex. (coll. Bordoni).

NOTE. Italian Peninsula and Sicily and dubitatively from Sardinia. New record for Vulcano.

Creophilus maxillosus (Linné, 1758)

RECORDS. Lipari, Capperò, P. Lo Cascio leg. 6.X.1996, on dead bird, 5 ex. (coll. Bordoni).

NOTE. Italian Peninsula and islands. Cited from Lampedusa (Bordoni, 1973). New record for Lipari.

Ocypus olens (Müller, 1764)

RECORDS. Alicudi, porto, P. Lo Cascio leg. 1.IV.1997, 1 ex.; near San Bartolo church, P. Lo Cascio & S. Pasta leg. 5.I.1996, 2 exx. (coll. Bordoni). Panarea, San Pietro beach, P. Lo Cascio & S. Pasta leg. 4.I.1996, 1 ex. (coll. Bordoni). Lipari, Vallone Muria, P. Lo Cascio & S. Pasta leg. 6.I.1996, 2 exx.; Santa Lucia, P. Lo Cascio leg. XII.1995, 1 ex. (coll. Bordoni). Filicudi, Zucco Grande, P. Lo Cascio leg. 2.I.1997, 1 ex. (coll. Bordoni). Pantelleria, between Sibà and Vento pass, F. Terzani 11.IV.2010, 1 ex.; Kannaki, Bugeber, F. Terzani 13.IV.2010, 2 exx. (coll. Bordoni).

NOTE. Italian Peninsula and islands. Cited from numerous circumsicilian islands: Pantelleria, Lampedusa, Ustica (some authors, cfr. in Bordoni, 1973), Lipari, Panarea, Alicudi (Bordoni, 1973). New record for Filicudi.

Ocypus ophthalmicus (Scopoli, 1763)

RECORDS. Lipari, Monte Chirica, P. Lo Cascio leg. 26.IX.1996, 1 ex. (coll. Bordoni).

NOTE. Italian Peninsula and islands. Cited from Lipari and Panarea (Bordoni, 1973).

Tasgius pedator (Gravenhorst, 1802)

RECORDS. Lipari, Timpone Ricotta, P. Lo Cascio leg. 8.X.1996, 1 ex. (coll. Bordoni).

NOTE. Italian Peninsula and islands. Cited from Pantelleria (Ragusa, 1875), Lipari and Marettimo (Bordoni, 1973).

Heterothops canariensis Israelson, 1979

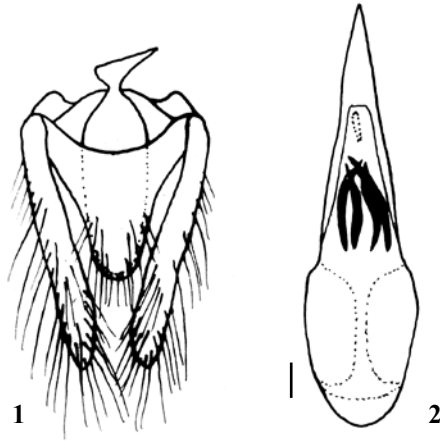
RECORDS. Linosa, Arena Bianca, S. Borroni & G. Goggi leg. 25.V.2003, 1 ex. (coll. Bordoni); Linosa, Mannarazza, S. Borroni & G. Goggi leg. 25.V.2003, 1 ex. (coll. Bordoni). Lipari, Capistello, L. Bartolozzi, P. Lo Cascio & A. Sforzi 30.VIII.1998, litter of *Quercus ilex*, 1 ex. (coll. Bordoni).

NOTE. The species is known only to the Canary Islands (Smetana, 2004) and Morocco (Stourac, pers. com.) and therefore the record is of particular interest. New for Italy. Male genital segment and aedeagus in figs 1-2.

Tachyporus nitidulus (Fabricius, 1781)

RECORDS. Linosa, M.te Vulcano, S. Borroni & G. Goggi leg. 3.VI.2003, 1 ex. (coll. Borroni). Lipari, Vallone Muria, P. Lo Cascio leg. 19.IV.1996, 1 ex. (coll. Bordoni).

NOTE. Italian Peninsula and islands. Cited from Pantelleria (Ragusa, 1875),



Figs 1-2 – *Heterothops canariensis* Israelson: male genital segment (1), aedeagus (2). Scale bar: 0,1 mm.

Ustica (Luigioni, 1929), Marettimo, Favignana (Bordoni, 1973). New record for Lipari.

***Sepedophilus nigripennis* (Stephens, 1832)**

RECORDS. Stromboli, between Labronzo and the crater, 459 m, P. Lo Cascio leg. 1 ex. (coll. Bordoni). Lipari, Timpone Ricotta, P. Lo Cascio 18.IX.1998, 2 exx. sub *Genista tyrrhena* (coll. Bordoni).

NOTE. Recently restudied (Schülke, 1999), the species is mentioned in the same contribution of several Italian regions, Sicily and Sardinia, but not yet of Stromboli and Lipari.

***Tachinus flavolimbatus* Pandellé, 1869**

RECORDS. Alicudi, Pianicello, P. Lo Cascio & G. Serra leg. 2.IV.1997, 1 ex. (coll. Bordoni).

NOTE. Central and South Italy and Sicily. Cited from Vulcano, Salina, Lipari (Bordoni, 1973). New record for Alicudi.

***Lamprinodes fairmairei* (Leprieur, 1853)**

RECORDS. Lipari, Timpone Ricotta, P. Lo Cascio & V. Pancioli leg. 5.I.1998, 1 ex. (coll. Bordoni).

NOTE. This species is known from Portugal, Spain, Sicily, Cyprus, Turkey, North Africa and, probably, Caucasus (Smetana, 2004). New record for Lipari.

Atheta coriaria (Kraatz, 1856)

RECORDS. Linosa, Pozz. Ponente, S. Borroni & G. Goggi leg. 4.VI.2003, 3 exx. (coll. Borroni); Arena Bianca, S. Borroni & G. Goggi leg. 25.V.2003, 1 ex. (coll. Borroni).

NOTE. Italian Peninsula and islands. New record for Linosa.

Atheta atramentaria (Gyllenhal, 1810)

RECORDS. Lipari, Vallone Muria, P. Lo Cascio leg. 28.XII.1995, on dung, 2 exx. (coll. Bordini).

NOTE. Italian Peninsula and islands. Cited from Marettimo and Vulcano (Bordini, 1973). New record for Lipari.

Halobrecta flavipes (Thomson, 1861)

RECORDS. Salina, Punta Lingua, P. Lo Cascio leg. 21.XII.1996, 1 ex. (coll. Bordini).

NOTE. This species probably occurs in the southern regions of Italy and Sicily. New record for Salina.

Oxypoda brevicornis (Stephens, 1832)

RECORDS. Lipari, Vallone Muria, P. Lo Cascio leg. 28.XII.1995, on dung, 1 ex. (coll. Bordini).

NOTE. Italian Peninsula and islands. New record for Lipari.

Aleochara bipustulata (Linné, 1761)

RECORDS. Lipari, Timpone Ricotta, P. Lo Cascio leg. 8.X.1996, 1 ex. (coll. Bordini).

NOTE. Italian Peninsula and islands. Cited from Lampedusa, Linosa (Gridelli, 1960), and Salina (Bordini, 1973). New record for Lipari.

Aleochara tristis Gravenhorst, 1806

RECORDS. Lipari, Cappero, P. Lo Cascio leg. 6.X.1996, on dead bird, 1 ex. (coll. Bordini).

NOTE. Italian Peninsula and islands. Cited from Ustica (Riggio, 1885), Lampedusa (Gridelli, 1960), Favignana and Levanzo (Bordini, 1973). New record for Lipari.

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RIASSUNTO

Nuovi dati sugli Staphylinidae delle isole circumsiciliane e Heterotops canariensis nuova specie per l'Italia (Coleoptera).

L'autore elenca 34 specie raccolte nelle isole circumsiciliane, molte delle quali risultano nuove per le isole citate nel testo. Due di queste rivestono particolare interesse biogeografico [*Eusphalerum luteum* (Marsham, 1802), *E. pallens* (Heer, 1948)] ed una risulta nuova per l'Italia (*Heterothops canariensis* Israelson, 1979); di quest'ultima l'autore fornisce il disegno del segmento genitale maschile e dell'edeago.

SUMMARY

Thirty-four species from the circumsicilian islands (Italy) are listed; numerous taxa are new records for the islands named in this note; two species [*Eusphalerum luteum* (Marsham, 1802), *E. pallens* (Heer, 1948)] are interesting for biogeographical motivations and *Heterothops canariensis* Israelson, 1979 is new record for Italy (male genital segment and aedeagus are figured).

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