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## **Biodiversity of the Mediterranean Basin. I**

**Tuscan Archipelago (Coleoptera Curculionoidea)**

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**Biodiversity of the Mediterranean Basin. I**

Tuscan Archipelago (Coleoptera, Curculionoidea)

1. Two new species of *Pseudomeira* Stierlin, 1881  
from the Tuscan Archipelago, Italy  
(Coleoptera, Curculionidae, Entiminae)

2. A new species of *Amaurorhinus* Fairmaire, 1860  
from Pianosa Island (Tuscan Archipelago, Italy)  
(Coleoptera, Curculionidae)

3. Taxonomic notes on some Curculionidae  
from the Tuscan Archipelago, Italy  
(Coleoptera)

4. The Curculionoidea  
of the Tuscan Archipelago, Italy  
(Coleoptera)



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### **Biodiversity of the Mediterranean Basin. I** Tuscan Archipelago (Coleoptera, Curculionoidea)

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**Back cover:** Italy. Field Research on Pianosa Island (photo courtesy of Giovanna Meloni). From the left: Maria Silvana Chemello, Cesare Bellò, Leonardo Forbicioni, Enzo Colonnelli and (always from the left), *Pseudomeira zanichelliae* Bellò, Forbicioni, Ruzzier, *hoc hopus* (photo courtesy of Francesco Sacco); *Acentrus histrio* (Schoenerr, 1837), *Aulacobaris cuprirostris* (Fabricius, 1787) and *Hemitri-chapion (Dimesomyops) andalusiacum* (Desbrochers, 1889), these photos by Leonardo Forbicioni.

**Environments photos:**

Elba Island, the Volterraio Castle. Photo courtesy of Stefano Muti. pagg. 20-21

Elba Island, landscape from the Calamita Mount. Photo by Leonardo Forbicioni. pagg. 50-51

Tuscan Archipelago, La Scola islet. Photo by Leonardo Forbicioni. pagg. 60-61

Elba Island, Marciana landscape with Capanne Mount on background. Photo courtesy of Stefano Muti. pagg. 68-69

Tuscan Archipelago, starting from the Gorgona Island. Photo by Leonardo Forbicioni. pagg. 282-283

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What you have here is the first volume of the WBA series “Memoirs on Biodiversity” dedicated to the Mediterranean Basin, one of the most important biodiversity hotspots in the world. The Tuscan Archipelago is located right in the heart of the Mediterranean Sea and hosts diverse and unique habitats; these habitats support a rich variety of flora and fauna, including rare or endemic species. The first researches carried out by World Biodiversity Association (WBA) in the Tuscan Archipelago date back to 2011. These activities belong to the WBA research line titled “Research Missions in the Mediterranean Basin”, project aimed to increase the knowledge of the biodiversity of the Mediterranean basin. This Project allowed the discovery of hundreds of species new to science, especially in Greece and Italy.

The collaboration between the WBA and the Tuscan Archipelago National Park started officially in 2013 and permitted to increase considerably the number of recorded species and led to the discovery of undescribed species. This volume, dedicated to Coleoptera Curculionoidea of the Tuscan Archipelago, contains four contributions. In two of them are described three new endemic species; the third paper provides important taxonomic notes while the fourth is the updated catalogue of the Coleoptera Curculionoidea inhabiting Tuscan Archipelago (394 species). Thanks to the research effort, the authors have almost doubled the number of the species compared to those that were known in the same area at the end of last century! This volume has been thought by the authors with a new graphic identity, full of wonderful images (some of them really impressive!) of the most distinctive species, habitats and collecting techniques. In 2018, the Tuscan Archipelago National Park and World Biodiversity Association entered into an agreement to continue and strengthen the collaboration for both scientific investigations and educational activities. Furthermore, the collaboration between the Tuscan Archipelago National Park, the Municipality of Portoferraio and World Biodiversity Association culminated in 2019 with the inauguration of the Nat-Lab, a new smart Museum dedicated to the biodiversity of Tuscan Archipelago, inside the English Fort of Portoferraio.

Nat-Lab visitors (students, citizens, tourists, etc.) could observe almost all species presented in this volume (the new ones included!).

At the end of this decade, 2011-2020, declared by the United Nations as “Decade on Biodiversity”, we have not achieved the goal of stopping biodiversity loss and species extinction. On the contrary, every year of this decade in the world we have lost several million hectares of rainforest and tens of thousands species have been condemned to extinction.

As I am convinced that the first step towards conservation is always the knowledge, I hope that this publication can help young people to approach Nature and scientific investigations. Through the study of Natural sciences, perhaps, they will finally find the answers to resolve the conflictual relations between man and environment, which are affecting the terrestrial and aquatic ecosystems to a point of no return.

Gianfranco Caoduro

*Honorary President of the World Biodiversity Association*



The study of biodiversity is of utmost importance nowadays, since only being aware of the complexity of animal and plant communities, can we devise new strategies for a sustainable development. WBA has always been involved in this field with its first mission *Discovering Biodiversity*. Among WBA's aim there is also *Conservation by Education* which implies that scientific discoveries might to be shared not only with the scientific community, but also transferred to people.

Thus, gathered in this volume, these four following studies, carried out in the Tuscan Archipelago on a group of extremely biodiverse beetles, are a perfect combination of scientific rigor and easily accessible approach.

At the same time, the outcome of these studies can be used for the environmental conservation and restoration of one of several Italian areas with high naturalistic value. Moreover, as it is one of the 25 national parks set up in less than a century in Italy, the area presents a further strategic interest, both from the biodiversity preservation and from the didactic and touristic importance.

The Tuscan Archipelago National Park, established in 1996, is a relatively young park and therefore any new knowledge about its biodiversity is particularly relevant. But beyond the absolutely objective value of the studies present in this volume, the fact that they were performed in the Tuscan Archipelago evokes for each naturalist a particular feeling which reminds the studies conducted by a distinguished nineteenth-century English naturalist who, with the publication in 1869 of his perhaps most famous work, *The Malay Archipelago*, brought an extraordinary contribution to biological knowledge. Alfred Russel Wallace (1823 - 1913) in his fascinating report of his expedition in this vast archipelago between 1854 and 1862, focused on an aspect fundamental for both biogeography and biodiversity conservation, namely that *insularity*. Archipelagos and islands, with their limited surface, with their distance from the continental coasts, with their geological genesis and therefore with their peculiar history of animal and plant populations, are a real training ground for naturalists and anyone dealing with conservation. They allow to discover general phenomena that are elsewhere to clearly identify and measure. Wallace set his studies in the islands of the Malay Archipelago and Charles Darwin (1809 - 1882) had found it in the Galapagos Islands. Here is the great value of this in-depth study of a group of beetles in a truly unique archipelago in Italian geography.

I can therefore only thank the Authors who have committed themselves to gathering this massive amount of data and have put all their competences and passion at the service of everyone, offering us a truly monumental work, which can be the basis of further new study, conservation and dissemination actions.

Paolo Fontana

*President of the World Biodiversity Association*



## Two new species of *Pseudomeira* Stierlin, 1881 from the Tuscan Archipelago, Italy (Coleoptera, Curculionidae, Entiminae)

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### Abstract

In the present paper, two new *Pseudomeira* Stierlin, 1881 (Curculionidae, Entiminae, Peritelini), belonging to the *sardoa*-group are described: *Pseudomeira silvanaedicata* Bellò, Forbicioni, Ruzzier **sp. n.** and *Pseudomeira zanichelliae* Bellò, Forbicioni, Ruzzier **sp. n.** Species diagnosis, faunistic and ecological notes are given. The photos of the new taxa, collecting methods, environments and species distribution map, enrich the work. The updated checklist of *Pseudomeira* and an identification key to the species of the *sardoa*-group are provided.

### Riassunto

Vengono descritte due nuove specie di *Pseudomeira* Stierlin, 1881 (Curculionidae, Entiminae, Peritelini) appartenenti al gruppo *sardoa*: *Pseudomeira silvanaedicata* Bellò, Forbicioni, Ruzzier **sp. n.** e *Pseudomeira zanichelliae* Bellò, Forbicioni, Ruzzier **sp. n.** Diagnosi, annotazioni faunistiche ed ecologiche sono fornite per ambedue le specie. Completano il lavoro le foto delle specie, delle tecniche e degli ambienti di raccolta, cartine distributive, la Checklist di *Pseudomeira* Stierlin (1881) ed una chiave aggiornata per il riconoscimento delle stesse nell'ambito delle *Pseudomeira* del gruppo *sardoa*.

**Key words:** Biodiversity, islands, Peritelini, taxonomy, Tuscany, weevils.



Fig. 1A. Elba Island, landscape from “Madonna del Monte” sanctuary with *Pseudomeira* habitats.

### Introduction

Among the *Pseudomeira* Stierlin (1881) collected during the multi-years research activity (2013-2019) on the Coleoptera Curculionoidea of the Archipelago (promoted by the World Biodiversity Association and authorized by the Arcipelago Toscano National Park), 56 specimens belonging to two undescribed taxa have been collected. These new species, belong to the *Pseudomeira sardoa*-group, are illustrated and described here.

### Materials and Methods

The present research is based on the material collected by two of the authors (Bellò, Forbicioni)

and Enzo Colonnelli over the years. Furthermore, the authors included the data communicated or obtained by the specimens provided by Roberto Poggi (Giacomo Doria Natural History Museum, Genoa, Italy). The 1234 specimens of *Pseudomeira* have been collected through sifting plant debris and soil litter, beating or sweeping herbaceous plants. All the specimens included in this paper are deposited in the following public and private collections. Acronyms of scientific institutions follow those proposed by Evenhuis (2019), and the names of the curators are given in brackets:

CBE = Cesare Bellò collection, Castelfranco Veneto, Treviso, Italy;

ECO = Enzo Colonnelli collection, Roma, Italy;  
 GOS = Giuseppe Osella collection, Verona, Italy;  
 LFO = Leonardo Forbicioni collection, Portoferraio, Livorno, Italy;  
 HPI = Helio Pierotti collection, Treviso, Italy;  
 MSNG = Museo Civico di Storia Naturale “Giacomo Doria”, Genova, Italy (Roberto Poggi);  
 MTE = Michele Tedeschi collection, Milano, Italy.

### Systematic Notes

*Pseudomeira* Stierlin (1881) includes 81 species subdivided in seven species-groups (Pierotti, Bellò, 1998; Bellò, Baviera, 2011; Pierotti 2013a, 2013b, 2016, 2017, 2018a, 2018b;

Pierotti, Forbicioni, 2015; Bellò *et alii*, 2017; Bellò *et alii*, 2019). The accurate revision of the literature and the extensive field research carried out in Tuscan Archipelago and in the neighboring regions (figs. 1A, 1B, 1C, 1D, 1E), based on an integrative taxonomic approach (Padial *et al.*, 2010) has led to the recognition of two new species. There is now a better understanding of *Pseudomeira*, and this study has contributed to recognition of new species groups, from seven now to thirteen. Therefore, we believe, it is useful to give the updated checklist of the “basket genus” *Pseudomeira* before the new species description.

**Checklist of *Pseudomeira* Stierlin, 1881**

(number of species for each group within brackets)

Species	Distribution	Type locality (as in original description)
<b><i>Pseudomeira necessaria</i> species group (7)</b>		
<i>P. necessaria</i> (Gyllenhal, 1834)	Southern France	Gallia
<i>P. adusticornis</i> (Kiesenwetter, 1851)	North East Spain	Mont Serrat
<i>P. prolixa</i> (Kiesenwetter, 1851)	Southern France, Spain	Prats de Mollo, La Preste
<i>P. flavipennis</i> (Jacquelin du Val, 1852)	Southern France	Montpellier
<i>P. grenierii</i> (Seidlitz, 1865)	Southern France	Narbonne
<i>P. subsetosa</i> (Rey, 1894)	Southern France	Nimes (Languedoc on holotype label)
<i>P. lepida</i> Pierotti, Bellò, Alonso-Zarazaga, 2010	Eastern Spain	Valencia, Serra de les Agulles, cami de la Font del Barber, 390 m.
<b><i>Pseudomeira sinuata</i> species group (9)</b>		
<i>P. sinuata</i> (Chevrolat, 1860)	Northern Algeria	Oran
<i>P. kiesenwetterii</i> (Seidlitz, 1865)	Southern Spain	Andalusien, Jaen (Sierra de Jaén on holotype label)
<i>P. gougeletii</i> (Seidlitz, 1865)	Southern Spain	Malaga (Jaén on holotype label)
<i>P. pici</i> (Desbrochers des Loges, 1894)	Northern Algeria	Oran, Rio Salado (El Malah)
<i>P. quadraticollis</i> (Desbrochers des Loges, 1905)	South East Spain	Spain, Murcia
<i>P. biimpressa</i> (Hustache, 1935)	Northern Algeria	Valmy, Algeria
<i>P. alonsoi</i> Pierotti, Bellò, 1994	Southern Spain	Cordoba, Valenzuela
<i>P. baetica</i> Pierotti, Bellò, Alonso-Zarazaga, 2010	Southern Spain	Jaén, Serra de Cazorla, Vadillo de Castril
<i>P. rusadirensis</i> Pierotti, 2018	Northern Morocco	Melilla, Mariguari
<b><i>Pseudomeira rustica</i> species group (1)</b>		
<i>P. rustica</i> (Kiesenwetter 1843)	France, Piedmont, Switzerland	Gallia, Lotharingia
<b><i>Pseudomeira nicaeensis</i> species group (6)</b>		
<i>P. nicaeensis</i> Stierlin, 1881	South East France, North-western Italy	Mentone
<i>P. ligurica</i> (A. and F. Solari, 1907)	Italy: Liguria, Tuscany	Monte Penna, Cento Croci

Species	Distribution	Type locality (as in original description)
<i>P. ochsi</i> F. Solari, 1955	South East France	Alp. Mar., Pont de l'Estéron
<i>P. robusticornis</i> F. Solari, 1955	South East France	Alp. Mar., inond. Vesubie
<i>P. ruteri</i> (Péricart, 1963)	South East France	Villars sur le Var
<i>P. permixta</i> Pierotti, 2017	South East France	Alpes Maritimes, Sospel
<b><i>Pseudomeira rudis</i> species group (4)</b>		
<i>P. rudis</i> (Boheman, 1843)	Italy, Tuscany	Etruria (Pisa on holotype label)
<i>P. andreae</i> (Desbrochers, 1901)	Italy: Emilia, Marche	Bologna
<i>P. mancinii</i> F. Solari, 1955	Italy: Tuscany	Alpi Apuane, monte Pania, vetta
<i>P. meles</i> Bellò, Pierotti, 1992	Italy: Tuscany	Alpi Apuane M. Sagro, Pianza, 1279 m.
<b><i>Pseudomeira obscura</i> species group (5)</b>		
<i>P. obscura</i> (A. and F. Solari, 1907)	Italy, Greece, Albania	Sicily, Messina
<i>P. ferdinandi</i> (Sainte-Claire Deville, 1914)	France: Corsica	Aleria, Vizzavona
<i>P. pseudobscura</i> Bellò, Pierotti, 1992	Italy: Lucania, Calabria	M. Sirino, Mad. del Sirino
<i>P. eleonora</i> Pierotti, Bellò, 1996	Italy: Sardinia	Gennargentu, Bruncu Spina
<i>P. virgo</i> Pierotti, Bellò, 2001	France: Corsica	Albertacce (Col de Vizzavona m 1200 on holotype label)
<b><i>Pseudomeira sardoa</i> species group (16)</b>		
<i>P. parvula</i> (Seidlitz, 1865)	Central-Northern Italy	Bagni di Lucca
<i>P. sardoa</i> (Costa, 1884)	Italy: Sardinia	Gennargento, Valle di Correboi
<i>P. lostiae</i> (Desbrochers des Loges, 1892)	Sardinia, Corsica	Sardegna
<i>P. crassirostris</i> F. Solari, 1955	Italy: Campania, Latium	Portici, Camaldoli di Napoli
<i>P. cossyrica</i> Pierotti, Bellò, 1994	Italy; Sicily	Is. Pantelleria, M. Grande, m.800
<i>P. montisalbi</i> Pierotti, Bellò, 1996	Italy: Sardinia	Sardegna (Nuoro), M.te Albo, m. 1000
<i>P. bartolii</i> Bellò, Pesarini, Pierotti, 1997	Italy: Tuscan Archipelago	Arcipelago toscano, Is. Gorgona

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Continued.

Species	Distribution	Type locality (as in original description)
<i>P. aeolica</i> Bellò, Pesarini, Pierotti, 1997	Italy: Sicily	Is. Salina, Malfa
<i>P. anachoreta</i> Meloni, Pierotti, Bellò, 2001	Italy: Sardinia	Santadi (Cagliari), Pantaleo
<i>P. fancelloi</i> Pierotti, Bellò, 2001	Italy: Sardinia	M. Linas (Cagliari), Genna Mirrata
<i>P. macrocephala</i> Pierotti, Bellò, 2001	Italy: Sardinia	Gonnesa (Cagliari), Fontanamare
<i>P. annaedicata</i> Pierotti, 2014	Italy: Tuscany	Toscana, Argentario (Grosseto), Porto Ercole
<i>P. abbazzii</i> Pierotti, Forbicioni, 2015	Italy: Tuscan Archipelago	Arcipelago toscano, Isola di Pianosa
<i>P. pulcherrima</i> Pierotti, 2016	Italy: Tuscany	Toscana, Talamone
<i>P. silvanaedicata</i> Bellò, Forbicioni, Ruzzier, <b>hoc hopus</b>	Italy: Tuscan Archipelago	Isola di Giannutri, Monte Mario
<i>P. zanichelliae</i> Bellò, Forbicioni, Ruzzier, <b>hoc hopus</b>	Italy: Tuscan Archipelago	Isola di Capraia, dintorni Ingresso ex Carcere
<b><i>Pseudomeira echidna</i> species group (14)</b>		
<i>P. echidna</i> (Seidlitz, 1865)	Italy: Tuscany	Italia (Toscana), Florenz, Pratolino
<i>P. vitalei</i> (Desbrochers, 1892)	Italy: Sicily	Sicile, Messine
<i>P. reitteri</i> (Vitale, 1903)	Italy: Sicily	Castroreale Bagni
<i>P. holdhausi</i> (A. and F. Solari, 1907)	Italy: Tuscany	Isola d'Elba
<i>P. paganettii</i> (A. and F. Solari, 1907)	Italy: Calabria	Aspromonte, Santa Eufemia
<i>P. silvestrii</i> (A. and F. Solari, 1907)	Italy: Calabria	Nicastro, Tende
<i>P. binaghii</i> F. Solari, 1955	Italy: Calabria	Calabria, Catanzaro Marina
<i>P. solarii</i> (Péricart, 1963)	Italy, Sicily	Madonie, Gibilmanna
<i>P. lucana</i> Bellò, Pierotti, 1992	Italy: Lucania	Policoro (Matera), Bosco Pantano
<i>P. apula</i> Bellò, Pierotti, 1992	Italy: Apulia	Vernole (Lecce), Le Cesine
<i>P. kapleri</i> Pierotti, Bellò, 2004	Greece	Grecia, Préveza, Ag. Triâda
<i>P. nebrodensis</i> Pierotti, 2009	Italy: Sicily	Sicilia, Messina, San Fratello
<i>P. angelinii</i> Pierotti, 2011	Italy: Calabria	Asprom. Melito di Porto Salvo (Reggio Calabria)
<i>P. erinacea</i> Bellò, Baviera, 2011	Italy: Sicily	I, Sic. Castiglione di Sic. 600 m a.s.l.

Species	Distribution	Type locality (as in original description)
<b><i>Pseudomeira doderoi</i> species group (2)</b>		
<i>P. doderoi</i> F. Solari, 1955	Italy: Sicily	Sicilia, Pachino
<i>P. osellai</i> Pierotti, Bellò, 1994	Italy: Sicily	Iblei, Bosco Bauli, 700 m a.s.l.
<b><i>Pseudomeira insularis</i> species group (11)</b>		
<i>P. insularis</i> (Desbrochers des Loges, 1871)	France: Corsica	Ajaccio
<i>P. muscorum</i> (Desbrochers des Loges, 1871)	France: Corsica	Ajaccio
<i>P. foveithorax</i> (Desbrochers des Loges, 1874)	France: Corsica	Corse
<i>P. transversicollis</i> F. Solari, 1955	Italy: Sardinia	Corongiu, Seurgus, Flumini
<i>P. incognita</i> Osella, Gregori, 1989	Italy: Sardinia	Sardegna sud-est, Isola Serpentara
<i>P. sinuariae</i> Osella, Gregori, 1989	Italy: Sardinia	Sardegna, Is. Asinara
<i>P. leoi</i> Pierotti, Bellò, 1996	Italy: Sardinia	Stintino (SS), Torre Falcone.
<i>P. inopinata</i> Pierotti, Bellò, 1996	Italy: Sardinia	Tuili (CA)
<i>P. soror</i> Pierotti, Bellò, 2001	France: Corsica	Ponte Leccia
<i>P. barbaricina</i> Pierotti, 2013	Italy: Sardinia	Sardegna (NU), Sadali, stazione e dint.
<i>P. melonii</i> Pierotti, 2013	Italy: Sardinia	Sardegna (SS), Alghero, Porticciolo
<b><i>Pseudomeira tenuicornis</i> species group (3)</b>		
<i>P. tenuicornis</i> (Schaufuss, 1882)	Balearic Islands	Mallorca, El Terreno
<i>P. eremita</i> Pierotti, Bellò, Alonso-Zarazaga, 2010	Balearic Islands	Mallorca, Sa Moleta, Nus sa Corbata
<i>P. euryomia</i> Pierotti, 2018	Balearic Islands	Mallorca, Pollensa, El Rafal
<b><i>Pseudomeira tunicensis</i> species group (4)</b>		
<i>P. tunicensis</i> (Desbrochers des Loges, 1892)	Tunisia	Tunis
<i>P. behnei</i> Pierotti, 2006	Tunisia	4 km S. Zaghouan, jebel Zaghouan
<i>P. belloi</i> Pierotti, 2006	Tunisia	13 km NNE Soliman, Korbous, Bachtal
<i>P. stuebeni</i> Pierotti, 2006	Tunisia	Kef Soltane, 28 km E Thala
<b><i>Pseudomeira angulicollis</i> species group (1)</b>		
<i>P. angulicollis</i> (Desbrochers des Loges, 1897)	Tunisia	Tunisie, Sfax



*P. silvanaedicata* sp. n. e *P. zanichelliae* sp. n., described below, are assigned to the *sardoa*-group, and in order to facilitate their identification we modified the key given by Pierotti (2016) to this group of species:

#### Key to species of *Pseudomeira sardoa* group

1	Elytra ovoid, more marked in males than in females (ratio 1.3-1.4) .....	2
1'	Elytra rather elongate, more marked in males than in females (ratio (1.4-1.5) .....	7
2	Humeri bearing flattened setae (0-15°) .....	3
2'	Humeri bearing recumbent (16-30°), raised (31-45°) or semi-erect (46-75°) setae .....	4
3	Funicle thicker. Penis in dorsal view sub-spatulate apically, shortly papillate at apex. Tuscany .....	<i>pulcherrima</i> Pierotti, 2016
3'	Funicle slenderer. Penis in dorsal view from lanceolate to broadly scutiform toward apex. Sardinia, Corsica .....	<i>lostiae</i> (Desbrochers, 1892)
4	Outer margin of protibiae straight, shortly rounded off at apex .....	5
4'	Outer margin of protibiae widely blunt at apex as to appear a little curved inwards .....	6
5	Second funicle segment less than twice as long as wide. Segments ratio: 11.6.5.4.4.4.4.17 (club). Penis in dorsal view .....	scutiform at apex. Piedmont, Liguria, Tuscany, Latium <i>parvula</i> (Seidlitz, 1865)
5'	Second funicle segment more than twice as long as wide. Segments ratio: 12.9.5.4.4.4.4.15 (club). Penis in dorsal view .....	quite lanceolate towards apex. Sardinia <i>anachoreta</i> Meloni, Pierotti, Bellò, 2001
6	Antenna thicker. Elytral declivity with semi-erect setae. Aeolian Islands .....	<i>aeolica</i> Bellò, Pesarini, Pierotti, 1997
6'	Antenna slenderer. Elytral declivity with raised setae. Pianosa Island .....	<i>abbazzii</i> Pierotti, Forbicioni, 2015
7	Humeri and laterally elytra with flattened setae (0-15°). Giannutri Island .....	<i>silvanaedicata</i> sp. n.
7'	Humeri and laterally elytra with recumbent (16-30°), raised (31-45°) or semi-erect (46-75°) setae .....	8
8	Elytral declivity with thin and barely wider setae towards apex. Sixth funicle segment not or barely wider than long .....	9
8'	Elytral declivity with robust and wide setae towards apex. Sixth funicle segment distinctly transverse .....	12
9	Humeri bearing raised (31-45°) or semi-erect (46-75°) setae. Elytral declivity with semi-erect or erect setae .....	10
9'	Humeri bearing recumbent (16-30°) setae. Elytral declivity with raised (31-45°) setae .....	11
1	Elytra dorsally not or barely convex. Penis in dorsal view narrowly scutiform at apex. Campania, Latium, Pontine Islands .....	<i>crassirostris</i> F. Solari, 1955
10'	Elytra dorsally distinctly convex. Penis in dorsal view broadly scutiform at apex. Pantelleria Island .....	<i>cosyrica</i> Pierotti, Bellò, 1994
11	Colour of the vesture paler, most part of scales silvery. Fifth funicle segment not or barely wide than long. Segments ratio: 11.6.4.4.4.4.4.17 (club). Gorgona Island .....	<i>bartolii</i> Bellò, Pesarini, Pierotti, 1997
11'	Colour of the vesture darker, most part of scales pink. Fifth funicle segment transverse. Segments ratio: 13.6.4.4.3.4.4.16 (club). Capraia Island .....	<i>zanichelliae</i> sp. n.
12	Third funicle segment transverse. More spherical and more prominent eyes. Tuscany .....	<i>annaedicata</i> Pierotti, 2014
12'	Third funicle segment at least as long as wide. Less spherical and less prominent eyes. Sardinia .....	13
13	Almost subquadrate pronotum, length/width ratio: 0.80-0.90. Elytral setae longer and thinner. Linas Mount .....	<i>fancelloi</i> Meloni, Pierotti, Bellò, 2001
13'	Transverse pronotum, length/width ratio: 0.65-0.75. Elytral setae shorter and robust .....	14
14	Head and pronotum unusually wide. Pterygia inconspicuous .....	<i>macrocephala</i> Meloni, Pierotti, Bellò, 2001
14'	Head and pronotum normally wide. Pterygia evident .....	15
15	Elytral vesture maculate. Less elongated elytra, length/width ratio: 1.40-1.45 .....	<i>sardoa</i> (A. Costa, 1885)
15'	Elytral vesture with uniform whitish coloring. More elongated elytra, length/width ratio: 1.45-1.55 .....	<i>montisalbi</i> Pierotti, Bellò 1996

#### Chiavi delle specie del gruppo *Pseudomeira sardoa*

1	Elitre brevemente ovoidali, più nei maschi e meno nelle femmine (ratio 1,30-1,40) .....	2
1'	Elitre alquanto allungate più nei maschi e meno nelle femmine (ratio (1.40-1.55) .....	7
2	Elitre agli omeri con setole abbattute (0-15°) .....	3
2'	Elitre agli omeri con setole reclinate (16-30°), rialzate (31-45°) o semierette (46-75°) .....	4
3	Funicolo robusto. Pene, in visione dorsale, un po' spatoliforme nella regione apicale e brevemente papillato all'apice. Toscana .....	<i>pulcherrima</i> Pierotti, 2016
3'	Funicolo slanciato. Pene, in visione dorsale con profilo da lanceolato a largamente scutiforme nella regione apicale, subtriangolare all'apice. Sardegna, Corsica .....	<i>lostiae</i> (Desbrochers, 1892)
4	Protibie sul lato esterno diritte, avanti l'apice brevemente smussate .....	5
4'	Protibie sul lato esterno avanti l'apice largamente smussate e un po' incurvate verso l'interno .....	6
5	Secondo articolo del funicolo antennale lungo circa la metà del primo, rapporto tra i segmenti del funicolo: 11.6.5.4.4. 4.4. 17 (clava). Piemonte, Liguria, Toscana, Lazio .....	<i>parvula</i> (Seidlitz, 1865)
5'	Secondo articolo del funicolo antennale lungo circa tre quarti del primo, rapporto tra i segmenti del funicolo 12.9.5.4.4.4.4.15 (clava). Sardegna .....	<i>anachoreta</i> Meloni, Pierotti, Bellò, 2001
6	Antenne più robuste. Declività elitrale con setole semierette. Isole Eolie .....	<i>aeolica</i> Bellò, Pesarini, Pierotti, 1997
6'	Antenne meno robuste. Declività elitrale con setole rialzate. Isola di Pianosa .....	<i>abbazzii</i> Pierotti, Forbicioni, 2015
7	Elitre agli omeri e sui fianchi con setole abbattute (0-15°). Isola di Giannutri .....	<i>silvanaedicata</i> sp. n.
7'	Elitre agli omeri e sui fianchi con setole reclinate (16-30°), rialzate (31-45°) o semierette (46-75°) .....	8
8	Anche le setole della declività elitrale esili e poco allargate all'apice. Sesto articolo del funicolo submoniliforme o appena più lungo che largo .....	9
8'	Declività elitrale anche con setole robuste ed allargate all'apice. Sesto articolo del funicolo distintamente trasverso .....	12
9	Elitre con setole rialzate o semierette agli omeri, semierette o erette sulla declività elitrale .....	10
9'	Elitre con setole reclinate agli omeri, rialzate sulla declività elitrale .....	11
10	Elitre dorsalmente meno convesse. Pene a profilo strettamente scutiforme nella regione apicale. Lazio, Campania, Isole Ponziane .....	<i>crassirostris</i> F. Solari, 1955
10'	Elitre dorsalmente più convesse. Pene a profilo largamente scutiforme nella regione apicale. Isola di Pantelleria .....	<i>cosyrica</i> Pierotti, Bellò, 1994
11	Vestitura chiara con squame prevalentemente argentee. Quinto articolo del funicolo moniliforme. Rapporto tra i segmenti del funicolo: 11.6.4.4.4.4.4.17 (clava). Isola di Gorgona .....	<i>bartolii</i> Bellò, Pesarini, Pierotti, 1997
11'	Vestitura scura con squame prevalentemente rosate. Quinto articolo del funicolo trasverso. Rapporto tra i segmenti del funicolo: 13.6.4.4.3.4.4.16 (clava). Isola di Capraia .....	<i>zanichelliae</i> sp. n.
12	Terzo articolo del funicolo trasverso. Occhi più sferici e più prominenti. Toscana .....	<i>annaedicata</i> Pierotti, 2014
12'	Terzo articolo del funicolo almeno così lungo che largo. Occhi meno sferici e meno prominenti. Sardegna .....	13
13	Pronoto quasi subquadrato, rapporto lunghezza/larghezza: 0.80-0.90. Setole delle elitre più lunghe ed esili. Monte Linas .....	<i>fancelloi</i> Meloni, Pierotti, Bellò, 2001
13'	Pronoto trasverso, rapporto lunghezza/larghezza: 0.65-0.75. Setole delle elitre più brevi e robuste .....	14
14	Capo e pronoto molto larghi. Pterigi ed epistoma poco visibili .....	<i>macrocephala</i> Meloni, Pierotti, Bellò, 2001
14'	Capo e pronoto normalmente larghi. Pterigi ed epistoma evidenti .....	15
15	Vestitura elitrale maculata. Elitre meno allungate con rapporto lunghezza/larghezza 1.40-1.45 .....	<i>sardoa</i> (A. Costa, 1885)
15'	Vestitura elitrale uniforme. Elitre più allungate rapporto lunghezza/larghezza 1.45-1.55 .....	<i>montisalbi</i> Pierotti, Bellò 1996

***Pseudomeira silvanaedicata* Bellò, Forbicioni, Ruzzier sp. n.** (Figs: 1a, 1b, 1c, 1d, 1e, 1f, 1g, 1a', 1b', 1c', 1d', 1e', 1f', 1h', 3, 3a, 3d, 3f)

**Diagnosis.** A small-sized *Pseudomeira* (3.25-4.25 mm) belonging to the *sardoa*-group, presenting ovoid elytra in dorsal view. Within the *sardoa*-group, this species can be easily recognized from the others by the oval but slightly elongate elytra and humeri and lateral part of the elytra bearing widened and flattened setae (0-15°). Apex of the aedeagus lanceolate-rounded in dorsal view. Sizes: pronotum (length: 0.60-0.80 mm, width: 0.87-1.15 mm, ratio 0.69-0.74), elytra (length: 2.10-2.85 mm, width: 1.40-1.95 mm, ratio 1.46-1.50).

**Type material.** Holotype male with the following labels: [transparent label] genitalia in DHMF // [white, printed] m# // [white, printed] ]"Isola di Giannutri, Monte Mario, 19. IX. 1992 leg. Bellò // [green, printed] "Collezione Cesare Bellò" // [red, printed] "*Ps. silvanaedicata*, Holotype, det. Bellò, Forbicioni, Ruzzier, 2019" (CBE). Paratypes: 7 specimens (4 males and 3 females): "Is.[ola] Giannutri, Monte Mario, 19. IX. [19]'92 Bellò" (CBE, 5 exx; LFO, 1 ex; ECO, 1 ex); 6 specimens (5 males and 1 female): "Isola di Giannutri, Monte Mario, 19. IX. 1992 leg. Bellò" (HPI, 5 exx; CBE, 1 ex). The type series is constituted of 13 specimens (9 males



1b

Figs. 1a-1g. *Pseudomeira silvanaedicata* Bellò, Forbicioni, Ruzzier, sp. n. paratype male from "Isola di Giannutri": 1a-habitus, dorsal view (scale bar: 1 mm); 1b-habitus, lateral view; 1c- pronotum and rostrum, lateral view; 1d-pronotum, dorsal view; 1e-elytral vestiture; 1f-funicle and club; 1g-apex penis. Photo courtesy of Francesco Sacco. Length 3.60 mm.

and 4 females), eight of them with genitalia extracted and incorporated in DHMF.

**Further material.** 1 male labelled: 1) Transparent plastic label holding genitalia in DHMF; 2) White label, printed: "Toscana, Isola del Giglio (GR), 1902, leg. G. Doria"; 3) Red label 4) White label, printed: Museo Civico di Genova (MSNG); 5) White label, printed: *Ps. cf. silvanaedicata* det. Bellò, Forbicioni, Ruzzier, 2019.

**Holotype.** Male. Total length: 3.60 mm. Oval-elongate body shape. Elytral vest consisting in:

a) silvery-golden recumbent scales situated along the insertion of the pronotum and surrounding the scutellum b) unicolor recumbent scales on elytra c) short and sparse setae on elytra; these setae, erected on the elytral disc, are recumbent on elytral sides and at the apical declivity. Rostrum clothed by silvery-gray scales, transverse (length/width ratio 0.70), sub-parallel to the sides and slightly expanded at apex. Pterygia inconspicuous. Epistome feebly concave; margins of the epistome bearing 14/16 erected setae. Clypeus longitudinally depressed



1c



1d



1f



1g



1e



1a'

Figs. **1a'-1g'**. *Pseudomeira silvanaedicata* Bellò, Forbicioni, Ruzzier, sp. n. paratype female from "Isola di Giannutri": 1a' - habitus dorsal view (scale bar: 1 mm); 1b' - habitus, lateral view; 1c' - pronotum and rostrum, lateral view; 1d' - pronotum, dorsal view; 1e' - elytral vestiture; 1f' - funicle and club; 1g' - spermatheca. Photo courtesy of Francesco Sacco. Length 3.80 mm.



1b'



1c'



1d'



1f'



1g'



1e'



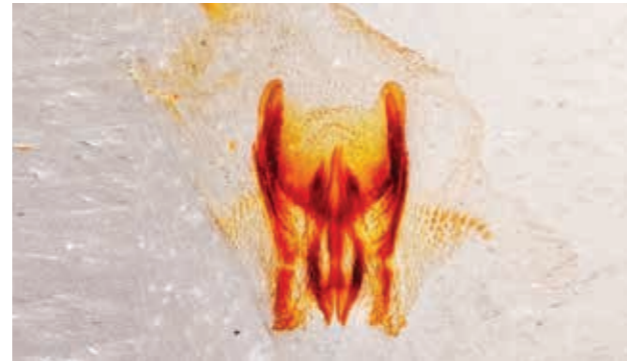
3. *Pseudomeira silvanaedicata* sp. n., aedeagus lateral view.



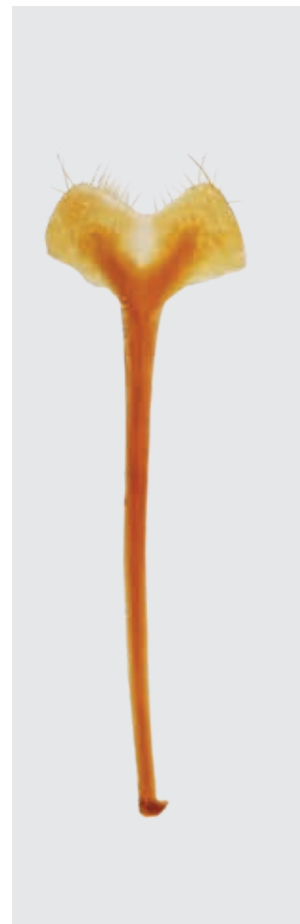
3b. *Pseudomeira zanichelliae* sp. n., aedeagus lateral view.



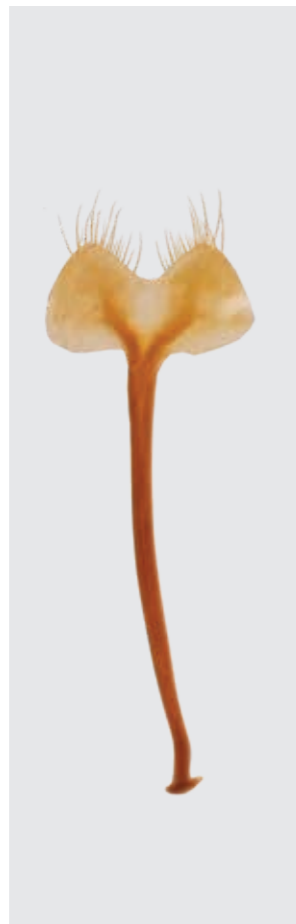
3a. *Pseudomeira silvanaedicata* sp. n., internal sac.



3c. *Pseudomeira zanichelliae* sp. n., internal sac.



3d. *Pseudomeira silvanaedicata* sp. n. paratype, VIII sternite.



3e. *Pseudomeira zanichelliae* sp. n. paratype, VIII sternite.



3f. *Pseudomeira silvanaedicata* sp. n. paratype, sternites + eggs.

at the middle; Vertex narrow (vertex width / mesorostrum width: ratio 1.54), bearing a pit and erected thin hairs. Eyes large and convex, very protruding from outline of head.

Antenna thin and elongate, covered in fine hairs; Antenna with ratio 0.81 (scape length: 0.90 mm, funicle length: 1.10 mm). Scape clubbed, curved at the middle. Funicle segments including club, relative lengths as follows: 12.7.4.4.4.4.16; segments 3.4 transverse, 5-7 submoniliform.

Antennal club longer than funicle, compact, fusiform with suture between first and second segment not visible.

Pronotum transverse (length: 0.70 mm, width: 0.70 mm, ratio: 0.74), slightly rounded at the sides, wider in the middle and as wide as base of its anterior margin. Integuments of the pronotum covered with short, quite clavate, golden raised setae. Punctuation usually covered by scales. Scutellum slightly visible.

Elytra oval-elongate (length: 2.20 mm, width: 1.50 mm, ratio: 1.47), rounded on sides, wider at the middle, flat suture. Humeri straight. Elytral declivity with curved, thin and raised setae (16°-30°), Punctuation of striae marked, impressed and rather catenulate. Interstriae flat or only feebly convex.

Legs short and robust clothed by silvery scales and with short, thin setae. Femora little clubbed. Protibia with two acute spines on inner edge, with evident spur on inner apical angle. Protibia quite sinuous on inner edge, metatibia and mesotibia straight in lateral view. Tarsal segment 1 oblong, conical; segment 2 short and transverse; segment 3 markedly bilobed; all segments with thin golden setae. Onychium oblong, curved and



Fig. 7. Habitus *Pseudomeira cf. silvanaedicata* male from Giglio Island. Photo courtesy of R. Poggi.

robust; tarsal claws are short and fused at the base. **Male genitalia.** Aedeagus lanceolate in dorsal view, internal sac present and provided of endophallites (Figs 3, 3a).

**Paratypes.** No evident variability within the type series, except sexual dimorphism: males are smaller with straight elytral humeri, females are larger with elytral humeri more pronounced. Total length: (males 3.25-3.60 mm, females 3.80-4.25 mm) con elytral ratio (length/width) 1.48/1.50 in males and 1.46/1.47 in females.

**Etymology.** Named after Silvana (Maria Chemello-Bellò) who first collected the species, as a modest recognition of her valuable and motivating cooperation in field research.

**Distribution:** Giannutri Island (Figs. 6, 6a, 6b) and Giglio Island

**Note.** Collected in autumn at Giannutri, along the trail to Monte Mario, by sifting the substrate under *Pistacia lentiscus* L. e *Arbutus unedo* L. The immature stages of *P. silvanaedicata* remain unknown, except for the nine eggs extracted from a female abdomen and now mounted on a transparent board (Fig. 3f). The single male from Giglio Island, (MSNG), presents erected or semi-erected scales and the apical part of the aedeagus is more lanceolate than those of the holotype (Figs 7, 7a). The male found on Giglio Island is possibly a distinct species however, as no further material is available, despite repeated searches on the spot, we settled to identify the specimen provisionally as *Pseudomeira cf. silvanaedicata*.



Fig. 7a. Genitalia *Pseudomeira cf. silvanaedicata* male from Giglio Island. Photo courtesy of R. Poggi.

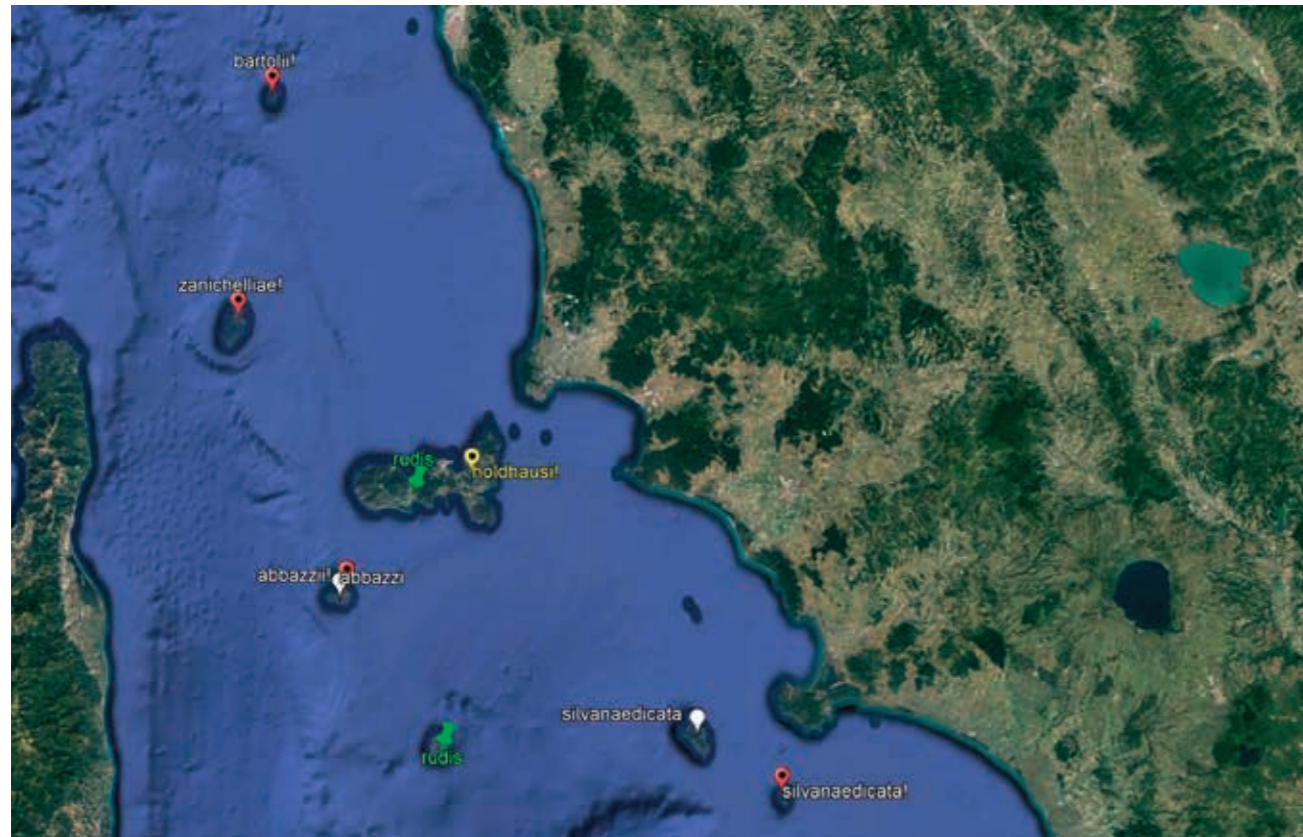


Fig. 1B. Distribution on Tuscan Archipelago of genus *Pseudomeira* with red placeholder for the type locality.



Fig. 1C. Distribution of *Pseudomeira sardoa* species group with red placeholder for the type locality.



Fig. 1D. Collection methods for *Pseudomeira silvanaedicata* Bellò, Forbicioni, Ruzzier sp. n. on Giannutri Island. Foto by L. Forbicioni.



Fig. 1E. Collections methods for *Pseudomeira zanichelliae* Bellò, Forbicioni, Ruzzier sp. n. on Capraia Island. Foto by C. Bellò.

***Pseudomeira zanichelliae* Bellò, Forbicioni, Ruzzier sp. n.**

(Figs. 2a, 2b, 2c, 2d, 2e, 2f, 2g, 2a', 2b', 2c', 2d', 2e', 2f', 2g', 3b, 3c, 3e)

**Diagnosis.** A small-sized *Pseudomeira* (3.10-4.00 mm) belonging to the *sardoa*-group, presenting oblonged-ovoid elytra in dorsal view. Within the species of *sardoa*-group presenting oblonged elytra, this species can be easily recognized by the following characters: scales on elytra pink, humeral scales recumbent (16° to 30°), scales on the elytral declivity erected (30° to 45°), fifth segment of the funicle transverse, sixth segments sub-moniliform or slightly longer than wide. Apex of the aedeagus lanceolate-rounded in dorsal view. Sizes: pronotum (length: 0.60-0.75 mm, width: 0.85-1.05 mm, ratio 0.71-0.79), elytra (length: 2.00-2.60 mm, width: 1.40-1.85 mm, ratio 1.38-1.43).

**Type material.** Holotype male with the following labels: [transparent label] genitalia in DHMF // [white, printed] m# // [white, printed] "I, Toscana, Livorno, Isola di Capraia, dintorni Ingresso ex Carcere, vaglio *Olea*, macchia o a vista, 70m // [white, printed] Parco Nazionale Arcipelago Toscano, N43°02.952' E9°49.714', 20-23. V. 2016, Bellò, Chemello, Forbicioni legg. // [green, printed] "Collezione Cesare Bellò" // [red, printed] "*Ps. zanichelliae*, Holotype, det. Bellò, Forbicioni, Ruzzier 2019" (CBE).

**Paratypes.** 1 female "Toscana, Isola Capraia, VI. 1930 C. Mancini" (MSNG); 1 male: "Is.[ola] Capraia, 18-25. IV. 1973 G. Gardini" (MSNG); 1 female: "Arcip.[elago] Toscano (Livorno) Isola Capraia: vaglio macchia erica/corbezzolo, 27. VI. 1993, S. Zoia leg." (CBE); 5 specimens (3 males, 2 females): "I, Toscana, Isola di Capraia, Lo Stagnone, 325m, vaglio *Teucrium*, 26.V.2014, legg. Bellò, Chemello // "Parco Nazionale



1a

Figs. 2a-2g. *Pseudomeira zanichelliae* Bellò, Forbicioni, Ruzzier, sp. n. holotype male from "Isola di Capraia": 2a-habitus dorsal view (scale bar: 1 mm); 2b-habitus, lateral view; 2c- pronotum and rostrum, lateral view; 2d-pronotum, dorsal view; 2E-elytral vestiture; 2f-funicle and club; 2g-apex penis. Photo courtesy of Francesco Sacco. Length 3.50 mm.



2b



2c



2d



2f



2g



2e



2a'

Figs. 2a'-2g'. *Pseudomeira zanichelliae* Bellò, Forbicioni, Ruzzier, sp. n. paratype female from "Isola di Capraia": 2a' - habitus dorsal view (scale bar: 1 mm); 2b' - habitus, lateral view; 2c' - pronotum and rostrum, lateral view; 2d' - pronotum, dorsal view; 2e' - elytral vestiture; 2f' - funicle and club; 2g' - spermatheca. Photo courtesy of Francesco Sacco. Length 3.60 mm.



2b'



2c'



2d'



2f'



2g'



2e'

Arcipelago Toscano, 43°02.25' N 009°48.34' E (CBE); 1 female: "I, Toscana, Isola Capraia, Lo Stagnone, 330m, battendo + vaglio *Teucrium*, *Rubus*, detriti // Parco Nazionale Arcipelago Toscano, 43°02'26.51"N 9°48'34.75"E, 22.V.2016, Bellò, Chemello, Forbicioni legg." (CBE); 20 specimens (11 males, 9 females): "I, Toscana, Livorno, Isola di Capraia, dintorni Ingresso ex Carcere, vaglio *Olea*, macchia o a vista, 70m // [bianco, a stampa]" Parco Nazionale Arcipelago Toscano, N43°02.952' E9°49.714', 20-23. V. 2016, Bellò, Chemello, Forbicioni legg. (16 exx CBE, 1 ex ECO, 1 ex GOS, 1 ex MTE); 4 specimens (2 males, 2 females): "ITALIA, Toscana (LI), Isola di Capraia, Ingresso Ex Carcere, 20. V. 2016, L. Forbicioni lg. (LFO). The type series is constituted of 34 specimens (19 males, 15 females); of which 15 specimens (8 males, 7 females) with genitalia extracted and incorporated in DHMF.

**Holotype.** Male. Total length: 3.50 mm. Oval-elongate body shape. Elytral vest consisting in: a) coppery-pink recumbent scales forming two bands along lateral margins of the pronotum and surrounding the scutellum b) setae on the body long, robust and dense slightly enlarged at apex; these setae are recumbent on elytral side and erected along elytral declivity. Rostrum transverse (length/width ratio 0.66); lateral margins of the rostrum not parallel in dorsal view, slightly expanded from the base to the apex. Rostrum covered by silvery-pink scales. Pterygia inconspicuous. Epistome concave; margins of the epistome bearing 12/14 erected setae. Clypeus longitudinally depressed at the middle; Vertex narrow (vertex width / mesorostrum width: ratio 1.78), bearing a pit and erected thin hairs. Eyes large and convex, very protruding from outline of head.

Antenna with ratio 0.75 (scape length: 0.90 mm, funicle length: 1.20 mm). Scape curved at the middle. Funicle segments including club, relative lengths as follows: 13.6.4.4.3.4.4.16; segments 3.4 transverse, 5-7 submoniliform. Antennal club longer than funicle, compact, fusiform with suture between first and second segment visible. Pronotum transverse (length: 0.75 mm, width:

0.95 mm, ratio: 0.79), slightly rounded at the sides, wider in the middle and as wide as base of its anterior margin. Integuments of the pronotum covered with short, slightly clavate, recumbent setae. Punctuation usually covered by scales. Scutellum visible.

Elytra oval-elongate (length: 2.20 mm, width: 1.60 mm, ratio: 1.38), wider at the middle, rounded on sides; apical profile of the elytra rounded. Humeri straight. Elytral suture raised; punctuation of striae marked, impressed and rather catenulate; interstriae flat or only feebly convex. Elytral declivity with curved, thick and raised setae (30°-45°).

Legs short and robust clothed by silvery scales and with short, thin setae. Femora slightly clubbed.

Protibia bearing four acute spines and an evident spur on inner apical edge. Protibia sinuate on inner edge, metatibia and mesotibia straight. Tarsal segment 1 oblong, conical; segment 2 short and transverse; segment 3 markedly bilobed; all segments with thin golden setae. Onychium oblong, curved and robust; tarsal claws are short and fused at the base.

**Male genitalia.** Aedeagus lanceolate in dorsal view, internal sac present end provided of endophallites. (Figs. 3b, 3c).

**Paratypes.** No evident variability within the type series, except sexual dimorphism: males are smaller with straight elytral humeri, females are larger with elytral humeri more pronounced. Total length: (males 3.10-3.85 mm, females 3.40-4.00 mm), elytral ratio (length/width) 1.38/1.42 in males and 1.40/1.45 in females.

**Etymology.** Named after Franca Zanichelli who, as Director of the Tuscan Archipelago National Park, authorized the research conducted by the authors.

**Distribution:** Capraia Island (Figs. 6c, 6d).

**Notes.** The holotype and part of the paratypes have been collected during spring in the proximity to the entrance of the abandoned



Fig. 6. Giannutri Island, Monte Mario, type locality of *Pseudomeira silvanaedicata* Bellò, Forbicioni, Ruzzier sp. n. Photo courtesy of G. Frangini.





Fig. 6a. Giannutri Island habitats of *Pseudomeira silvanaedicata* Bellò, Forbicioni, Ruzzier sp. n. Photo courtesy of M. Bisti.



Fig. 6b. Giannutri Island habitat of *Pseudomeira silvanaedicata* Bellò, Forbicioni, Ruzzier sp. n. Photo courtesy of M. Bisti.



Fig. 6c. Capraia Island, Prison entrance, type locality of *Pseudomeira zanichelliae* Bellò, Forbicioni, Ruzzier sp. n. Photo by C. Bellò.



Fig. 6d. Capraia Island, habitats of *Pseudomeira zanichelliae* Bellò, Forbicioni, Ruzzier sp. n. Photo by C. Bellò.

prison, by sifting the soil under *Olea* sp, at the edges of the Mediterranean scrub. The other paratypes were collected at Lo Stagnone, by sifting the litter under *Teucrium* sp e *Rubus* sp. *Pseudomeira zanichelliae* sp. n. is sympatric with *Heteromeira caprasiae* (A. and F. Solari, 1933), *Cathormiocerus discors* Desbrochers (1875), *Trachyphloeus laticollis* Boheman (1843) and *Torneuma grouvellei liguricum* Stuben, 2007.

### Remarks

The intensive research performed by the first author between 1988 to 2019 in the Tuscan Archipelago and Argentario Mount (Tuscany) allowed the identification of 6 endemic species of *Pseudomeira* of the *sardoa*-group (4 inhabiting the Tuscan Archipelago, 2 at Argentario Mount) (see Figs. 1B, 1C). The elevated species richness of the genus probably correlates with the biology of these sedentary and flightless insects of limited dispersal capabilities. Additionally, it is also likely to be associated with the complex paleogeographic history of the Tuscan Archipelago (Sarà, 1976). Similar conditions have been observed in other Tyrrhenian Peritelini (Bellò, Baviera, 2011; Bellò *et alii*, 2017; Bellò *et alii*, 2019).

Furthermore, the study of Palearctic Peritelini could improve our understanding in the process of how Tuscan Archipelago were colonized by this group. The presence of *Pseudomeira* could also help naturalists to recognize biotopes of particular conservative value, as these weevils are clearly related to relatively natural and stable habitats.

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*Thanks to Maria Silvana and Monica.*



## A new species of *Amaurorhinus* Fairmaire, 1860 from Pianosa Island (Tuscan Archipelago, Italy) (Coleoptera, Curculionidae)

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### Abstract

*Amaurorhinus rossellae* **sp. n.** from the island of Pianosa (Tuscan Archipelago, Italy) is described and illustrated. The new taxon can be separated by other described species based on the following characters: prothorax strongly globose and widest at the basal third; short and thick antennae with short oval club; elytra elliptical with widest point immediately posteriad of half; microsculpture of the elytra roughly spotted in appearance; anal sternite of the male presenting two lateral impressions.

### Riassunto

Nel presente lavoro viene descritta ed illustrata una nuova specie di *Amaurorhinus* Fairmaire, 1860 dell'isola di Pianosa (Arcipelago toscano). *Amaurorhinus rossellae* **sp. n.** si differenzia da altre specie simili per il protorace fortemente globoso e convesso con la sua maggiore larghezza nel terzo basale, per le antenne corte e tozze con clava ovale corta, per le elitre di forma ellittica con la loro maggiore larghezza subito dopo la metà, la microscultura di aspetto ruvido, e per lo sternite anale del maschio con due impronte laterali.

**Key words:** *Amaurorhinus*, Curculionidae, Island, Italy, new species, Tuscan Archipelago, weevil.

## Introduction

The Palearctic genus *Amaurorhinus* Fairmaire, 1860 (Cossoninae: Dryotribini LeConte, 1876) includes eighteen species (Alonso Zarazaga *et alii*, 2017), seven of which occur in Italy (Abbazzi, Maggini, 2009). The research focused on the investigation of the fauna of Tuscan Archipelago, three specimens of undescribed *Amaurorhinus* (*Amaurorhinus*) sp. were collected on the island of Pianosa. This material has been compared with specimens that were previously collected in 1998 from the same area. Previous specimens are preserved in the collection of the Zoological Museum “La Specola” (Florence) (according to Abbazzi *et alii*, 2004: 70). The newly available material confirms the identity of Pianosa *Amaurorhinus*, allowing us to describe it as a new species. *Amaurorhinus* are flightless weevils usually found inside beached wood in both the Mediterranean basin and Macaronesia. This group has conceivably colonized suitable habitats across their known range repeatedly, and for this reason, species identification based on morphology and biogeography remains complex even after the revisions provided by Folwaczny (1972, 1973) and subsequent notes by Osella (1981), Osella (1983), Osella, Giusto (1985), Osella, Pogliano Osella (1986), Gregori, Osella (1989).



Fig. 3a. Pianosa Island, Cala Giovanna, type locality of *Amaurorhinus rossellae* sp. n.

## Material and Methods

Abbreviations of the type depositories are as follows: ECO=Enzo Colonnelli collection, Rome, Italy, LFO = Leonardo Forbicioni collection, Portoferraio, Italy, MZUF = Museo Zoologico “La Specola” University of Florence, Florence, Italy. Specimens were examined by L. Forbicioni using a Motic SMZ-143-N2GG microscope. Photographs of holotype were taken by Francesco Sacco with a Nikon D90 camera provided with an objective AF Micro-Nikkor 60 mm, later processed with the softwares Helicon Focus 5.3 and Photoshop CS4 Extended. Photographs of one of the paratype (female) was taken by Leonardo Forbicioni with a EOS 600D Canon digital camera, equipped with a Canon Macro f/2.8 100mm objective with exposure time 1/200 using Macro Twin Lite MT-24EX macro photography lighting system. Both the camera and the photographed specimen were fixed separately on two tripods. The shots, at different levels of focus, were combined with the technique of “stacking-focus” using the software Zerene Stacker (Version 1.04 Build T2018-07-19-1515) and Photoshop CC 2019 for post-production.

## *Amaurorhinus* (*Amaurorhinus*) *rossellae* sp. n.

**Diagnosis.** *Amaurorhinus* (*Amaurorhinus*) *rossellae* sp. n. resembles *A. mediterraneus* Folwaczny, 1973 due to the presence of two lateral impressions on male anal sclerite. However this new species can be separated from the latter by the strongly globular prothorax, the short and stocky antennae, the punctuation of the elytra ordered in rows, and by the aedeagus clearly widened at the apex.

**Type series.** *Holotype* ♂: “Italia, Toscana, Parco Nazionale dell’Arcipelago Toscano, Isola di Pianosa, loc. Cala Giovanna, 11.V.1998, legit L. Bartolozzi, B. Cecchi, L. Dapporto, P. Lo Cascio, A. Sforzi” (MZUF, n°12253). *Paratypes*: 1 ♂ and 2 ♀♀ labeled: “Italia, Toscana (LI), Pianosa Isola, 26.V.2019, Cala Giovanna, L. Forbicioni leg.” (1 ♂ and 1 ♀ LFO; 1 ♀ ECO).

**Description.** *Holotype* (Figs. 1a, 1b) Body length including rostrum 3.0 mm (excluding: 2.5 mm); maximum prothorax width 0.8 mm; prothorax length 0.8 mm; maximum elytral width 0.82 mm; elytral length 1.5 mm. Color black, shiny. Prothorax darker than the elytra. Rostrum three times longer than wide, curved beyond middle, parallel-sided, slightly widened at apex, dorsum with narrow, spaced, elliptical and fine punctures arranged in parallel rows, which distally are slightly converging inwards.

Head transverse, rounded, subconical in dorsal view, with sharper although less deep punctures than those of rostrum. Interocular space wider than rostrum at the intersection of antennae; scrobe deep and turned backwards under the eye. Eyes small, lateral, protruding; eyes constituted by distinctly visible ommatids. Antennae thick, reddish, with fine silky hair more numerous and long in the distal part of the scape. Scape robust, claviform; first article of funiculus large, sub conical and almost as long as the second and the third taken together; second twice longer than the third; third segment transverse and shorter than the fourth and the fifth taken together; fourth and fifth segments transverse. progressively widening distally. Antennal club almost oval, hairy, as long as the last two articles of funicle.



Fig. 1a. *Amaurorhinus rossellae* sp. n. - Holotype ♂ - Habitus, dorsal view. Photo courtesy of Francesco Sacco.

Prothorax strongly globular, convex on sides, its greater width at basal third; sides converging apically, constricted behind the slightly sinuous anterior margin; anterior margin narrower than the posterior, weakly sinuate and narrower than the base of elytra. Punctures of the pronotum larger than those of head and rostrum, rather dense; interspaces between punctures almost as wide as the puncture diameter. Scutellum not visible.

Elytra elliptic in dorsal view, longer than wide, dorsally convex; greater width of the elytra immediately after the middle, truncate at the base

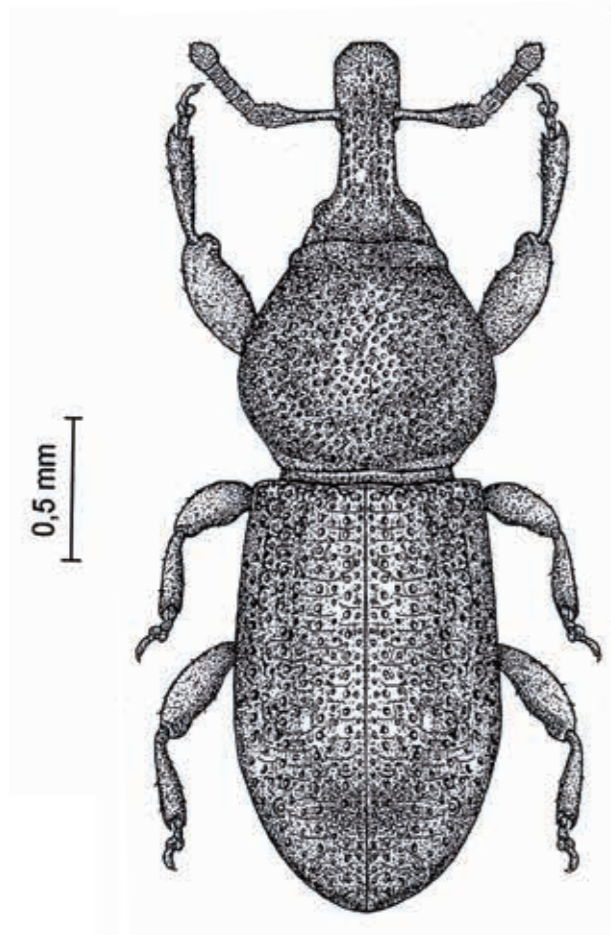


Fig. 1b. *Amaurorhinus rossellae* sp. n. - Holotype ♂ - Habitus, dorsal view. (Drawing courtesy of Rossella Poggesi).

and gradually narrowing towards apex, posterior declivity almost vertical. Elytral surface roughly wrinkled. Striae bearing shallow punctures, slightly larger than those of pronotum, becoming more impressed at sides. Interstriae as wide as striae, wrinkled and with superficial punctures arranged in series.

Legs short and robust, weakly punctured and covered in short and scattered silky hairs; femora strongly clavate, particularly the anterior ones; protibiae straight, meso- and metatibiae slightly curved and widening at the apical third; all legs bearing one short apical mucro on inner and strong hook on the outer apical margin. Tarsi narrow, first article slightly shorter than the second, both sub-triangular, third wider than the second and bilobate; onychium as long as

the second and third tarsomeres taken together; claws thin, simple.

Prosternum strongly punctate similarly to the mesosternum; punctures on metasternum fine and superficial, interspaces microreticulate. Anterior coxae conically globose, separated at base by a space equal to one third of the diameter of the coxa; mesocoxae less globular, spaced by a distance equal to the diameter of the coxa; metacoxae flattened, separated by a space equal to twice the coxal diameter.

Sternites hollowed at the middle with sparse shallow points; anal sternite with two lateral impressions and one weak median blunt keel.

Aedeagus weakly chitinized (fig. 1c), median lobe presenting strongly rounded lateral margins.

**Paratypes** (Figs. 2a, 2b): Morphological variability moderate; the only differences observed concern mainly the body size, which ranges from 2.3 to 2.6 mm excluding rostrum. The female can be separated from males due to the narrower and slightly longer rostrum, more slender and elongated antenna and, by the absence of lateral impressions on the anal sternite.

**Etymology.** We are pleased to name this new species after Rossella Poggesi, who accurately drew the holotype.



Fig. 1c. *Amaurorhinus rossellae* sp. n. - Aedeagus (Drawing courtesy of Rossella Poggesi).



Fig. 2a. *Amaurorhinus rossellae* sp. n. - Paratype ♀ - Habitus, dorsal view.

**Comparative remarks.** Among the close congeners *A. rossellae* sp. n. is characterized by the strongly convex and globose prothorax, with its greater width at basal third; the short and stocky antennae, short oval antennal club, elliptical elytra in dorsal view with greater width immediately posteriad of the half; microsculpture roughly spotted in appearance; male anal sternite with two lateral impressions.

The new species could be considered a relative of *Amaurorhinus mediterraneus* Folwaczny, 1972 from Italy and France (Alonso-Zarazaga *et alii*, 2017) due to the presence of the two lateral impressions on male anal sternite. However, *A. mediterraneus* differs from *A. rossellae* by the prothorax enlarged on sides but not convex and by the less dense punctuation of the pronotum, the slender, cylindrical elytra twice longer than wide and with their greater width at half.

The Mediterranean *Amaurorhinus bewickianus* (Wollaston, 1860), on the contrary, has a truncate conical prothorax with less thick punctures, less convex eyes, shorter elytra with subparallel sides, striae markedly striate; microsculpture no roughly spotted in appearance; anal male sternite with one deep longitudinal impression.

In comparison to the Sardinian species, *A. rossellae* sp. n. is easily distinguishable from *Amaurorhinus cesaraccioi* Gregori and Osella, 1989 due to the absence of the median prothoracic punctured carina, while *Amaurorhinus lostiae* Fairmaire, 1883 has a subparallel prothorax, wider than elytra; elytra oval, sparsely covered in shallow punctured and with greater width at middle.

In addition, *Amaurorhinus sardous sardous* Folwaczny, 1972 is characterized by the long and slender antennae, opaque male rostrum instead of glossy as in *A. rossellae*, prothorax with very dense areolation and elytra with punctures regularly arranged in series.

*Amaurorhinus sardous gardinii* Osella, 1981, the endemic subspecies inhabiting Giannutri island, cannot be confused with *A. rossellae* due to pronotum almost as long as wide with rasp-like strongly impressed punctures, and by the elytra clearly striate.

Finally, *Amaurorhinus caoduroi* Osella, Pogliano Osella, 1984 from Apulia can be distinguished from the new species by the more elongate and slender antennae, the less globose, opaque and much more strongly punctured pronotum, the shorter and wider elytra, superficially punctured and confusedly microreticulate.

**Distribution.** This species is known from the single locality of Cala Giovanna on Pianosa Island (Fig. 3a).

**Biology.** The biology remains unknown. The few known specimens have been collected resting on drifted wood, along with numerous individuals of *Pselactus spadix* (Herbst, 1795) and *Mesites pallidipennis* (Boheman, 1837) in the short stretch of sandy coastline of Cala Giovanna. It is presumable that, like other congeners, the new taxon is related to coastal environments and dead wood deposited in salty areas.

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Fig. 2b. *Amaurorhinus rossellae* sp. n. - Paratype ♀ - Habitus, lateral view.

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## Taxonomic notes on some Curculionidae from the Tuscan Archipelago, Italy (Coleoptera)

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### Abstract

The following new synonymies in Coleoptera Curculionidae are established: *Sitona sulcifrons* (Thunberg, 1798) [= *Sitona argutulus* Gyllenhal, 1834; **syn. n.**]; *Entomoderus laesirostris* (Fairmaire, 1859: 268) [= *Rhytirhinus loesirostris* Fairmaire, 1859: 278, alternative original spelling, here rejected; **syn. n.**]; *Aulacobaris caerulescens* (Scopoli, 1763) [= *Baridius chlorodius* Boheman 1844; **syn. n.**; = *Baridius pulchellus* P.H. Lucas, 1846; **syn. n.**; = *Baridius trapezicollis* Desbrochers, 1892; **syn. n.**]; *Aulacobaris cuprirostris* (Fabricius, 1787) [= *Baridius siculus* Boheman 1844; **syn. n.**; = *Baridius yvoniae* Pic, 1909; **syn. n.**]. The following species are upgraded to species rank: *Torneuma liguricum* Stüben, 2007, **stat. rev.** from subspecies of *T. grouvellei* (Desbrochers, 1890), *Sitona deubeli* Krauss, 1902, **stat. rev.** and *S. assimilis* Desbrochers, 1900, **stat. rev.**, both from subspecies of *S. sulcifrons* (Thunberg, 1798).

**Key words:** Curculionidae, changes of rank, Italy, new synonymies, taxonomy.

### Riassunto

In questo lavoro vengono stabilite le seguenti sinonimie tra i Coleoptera Curculionidae: *Sitona sulcifrons* (Thunberg, 1798) [= *Sitona argutulus* Gyllenhal, 1834; **syn. n.**]; *Rhytirhinus laesirostris* Fairmaire, 1859: 268 [= *Rhytirhinus loesirostris* Fairmaire, 1859: 278, ortografia originale alternativa, qui respinta; **syn. n.**]; *Aulacobaris caerulescens* (Scopoli, 1763) [= *Baridius chlorodius* Boheman 1844; **syn. n.**; = *Baridius pulchellus* P. H. Lucas, 1846; **syn. n.**; = *Baridius trapezicollis* Desbrochers, 1892; **syn. n.**]; *Aulacobaris cuprirostris* (Fabricius, 1787) [= *Baridius siculus* Boheman 1844; **syn. n.**; = *Baridius yvoniae* Pic, 1909; **syn. n.**]. I seguenti taxa sono elevati al rango di specie: *Torneuma liguricum* Stüben, 2007, **stat. rev.** da sottospecie di *T. grouvellei* (Desbrochers, 1890), *Sitona deubeli* Krauss, 1902, **stat. rev.** ed *S. assimilis* Desbrochers, 1900, **stat. rev.**, entrambi da sottospecie di *S. sulcifrons* (Thunberg, 1798).

**Parole chiave:** Coleoptera, Curculionidae, tassonomia, nuove sinonimie.

## Introduction

During the faunistic survey of the weevils and bark beetles fauna of the Tuscan Archipelago were sampled in a span of more than 10 years over 390 species of Curculionoidea, some of them even undescribed. We chose to include in this note nomenclatural and taxonomic acts regarding some of the collected curculionids whose nomenclature and taxonomic status was recognised as incorrect, to avoid thus the inclusion of these acts in the huge commented faunistic catalogue of the Curculionoidea, where they would have been misplaced.

## Results

*Sitona sulcifrons* (Thunberg, 1798)

In the catalogue of Palaearctic Curculionoidea by Alonso-Zarazaga *et al.* (2017) are listed four subspecies: *S. sulcifrons sulcifrons*, *S. sulcifrons assimilis* Desbrochers, 1900, *S. sulcifrons argutulus* Gyllenhal, 1834 and *S. sulcifrons deubeli* Krauss, 1902, in accordance with what proposed by Dieckmann (1980). The hundreds of specimens studied of the variable and common *S. sulcifrons sulcifrons* and *S. sulcifrons argutulus* from various localities do not allow recognition of more than a single taxon. Moreover, the same Dieckmann (1980: 300) wrote that to meet miscellaneous populations between *S. sulcifrons sulcifrons* and *S. sulcifrons argutulus* is all but uncommon in several regions within the wide range of this species known from almost all Palaearctic. In consequence, the following synonymy is here established: *Sitona sulcifrons* (Thunberg, 1798) [= *Sitona argutulus* Gyllenhal, 1834; **syn. n.**]. Both forms are sympatric e.g. in Austria, Croatia, France, Romania and Slovenia (Alonso-Zarazaga *et alii*, 2017; Colonnelli, *pers. obs.*), and indistinguishable from each other due to their high variability, although the typical form is nearly exclusive in the northernmost zone where *S. sulcifrons* is distributed.

On the contrary, both *S. deubeli* Krauss, 1902 (**stat. rev.**) from Romania, southern Balkans and Turkey (Alonso-Zarazaga *et alii*, 2017), and

*S. assimilis* Desbrochers, 1900 (**stat. rev.**) from Morocco (Kocher 1961, Velázquez de Castro 2009) appear to be worthy of species status. They differ from *S. sulcifrons* already by their convex eyes making their head width no less than equal to the width of anterior margin of pronotum, instead of at least a little lesser than it like in *S. sulcifrons*. To separate *S. deubeli* from *S. assimilis*, apart their different distribution, useful characters are the eyes of *S. deubeli* which are always somewhat conical, whereas those of *S. assimilis* are not, and the longitudinal depression of rostrum and head which is obvious in *S. deubeli* and wanting in *S. assimilis*. The aedeagus of all these three species does not present enough characters to split them apart.

*Entomoderus (Pseudorhinus) laesirostris laesirostris* (Fairmaire, 1859)

The name of this species was spelled in two ways in the paper where it was described as *Rhytirhinus* Schoenherr, 1833 by Fairmaire (1859): on page 268 as *E. laesirostris*, whereas on page 278 as *E. loesirostris*. Acting as first revisers, we select here *E. laesirostris* as the correct name, establishing also the following synonymy: *Entomoderus laesirostris* (Fairmaire, 1859: 268) [= *Rhytirhinus loesirostris* Fairmaire, 1859: 278, alternative original spelling, here rejected; **syn. n.**].

*Torneuma liguricum* Stüben, 2007, **stat. rev.**

It is quite surprising that Stüben could have described this taxon as subspecies of *T. grouvellei* (Desbrochers, 1890), since himself (Stüben 2007) writes on page 61: “Tatsächlich habe ich langegezügert diese Art zubeschreiben, da beide Arten – vor allem nach den Fundortangaben von A. Dodero - an der ligurischen Küstenzwischen Finale und Genova offensichtlich häufig sympatrisch aufzutreten pflegen, während jedoch weiter südlich - etwa bis zur Höhe der Inseln Giglio und Giannutri - die neue Art *Torneuma grouvellei liguricum* zu dominieren scheint”. It appears that the German author seems not to take into account that two well distinguishable taxa living together in sympatry, as in this case,

cannot be considered subspecies one of another, unless unoccasional intergrades occur. Note that Stüben (2007) on pages 26, 27 and 41, by writing “*Torneuma grouvellei liguricum* spec. nov.”, implicitly gives to *liguricum* species rank, like in the above quoted sentence where he writes “Art” (species in German), and not “Unterart” (subspecies in German). According to the same Stüben (2007 and 2008), the distribution of these two taxa largely overlaps, making unavoidable to upgrade *T. liguricum* Stüben, 2007 (**stat. rev.**) to species level.

Given that Holdhaus (1923: 112), Luigioni (1929: 927) and Porta (1932: 193) quote this species from Elba Island as *T. grouvellei*, it is clear that all these records actually refer to *T. liguricum*. Abbazzi, Maggini (2009: 166) reported this species from Elba as *T. grouvellei liguricum*.

*Aulacobaris caerulescens* (Scopoli, 1763)

In the recent catalogue of Palaearctic Curculionoidea by Alonso-Zarazaga *et al.* (2017) are listed four subspecies: *A. caerulescens caerulescens* (Scopoli, 1763), *A. caerulescens chlorodia* (Boheman, 1844), *A. caerulescens pulchella* P. H. Lucas, 1846 and *A. caerulescens trapezicollis* (Desbrochers, 1892).

The original description (Boheman 1844) of *Baridius chlorodius* from “Illiria” (a region presently comprising the westernmost parts of Croatia, Bosnia-Herzegovina, Montenegro and Albania) and Sicily leaves no doubt about it being identical to the variable and sympatric *Aulacobaris caerulescens*. The same is for *Baridius pulchellus*, described by Lucas (1846) from Algeria, and then indicated also from France and Italy by Prena (2011). Note that Henri Brisout (1871) already on page 310 established the identity of *A. caerulescens* and *A. pulchella*, and on page 311 additionally wrote: “M. Bohemann m’a communiqué les types du *caerulescens* et du *chlorodius*, qui sont complètement identiques”. Both synonymies have been overlooked by Prena (2011) and Alonso-Zarazaga *et al.* (2017), but not by e.g. Hustache (1938) nor Hoffmann (1955). It became thus necessary to formally re-establish the following synonymies: *Aulacobaris*

*caerulescens* (Scopoli, 1763) [= *Baridius chlorodius* Boheman 1844; **syn. n.**; = *Baridius pulchellus* P. H. Lucas, 1846; **syn. n.**]. As for *A. caerulescens trapezicollis*, it was described as variety of *A. caerulescens* upon a single male from Algeria (Desbrochers, 1892), then quoted as species by Reitter (1895), and subsequently downgraded again to “var.” by Wagner (1916), Winkler (1932) and Hustache (1938). Ragusa (1907), while indicating *A. trapezicollis* from Sicily, was the first to consider it a simple form of *A. caerulescens*. This interpretation is followed by Hoffmann (1955) who indicated this species in central France and implicitly also by Curculio Team (2007) that did not list any subspecies. Given the great variability, the relative polyphagy of this common and widespread weevil sometimes even acting as pest, see Hoffmann (1963), and considering the fact that all these forms occur in the same place, it seems correct to establish the following synonymy: *Aulacobaris caerulescens* (Scopoli, 1763) [= *Baridius trapezicollis* Desbrochers, 1892; **syn. n.**].

*Aulacobaris cuprirostris* (Fabricius, 1787)

This common, variable and widespread species presents three subspecies (Alonso-Zarazaga *et al.* 2017): *Aulacobaris cuprirostris cuprirostris*, *A. cuprirostris sicula* (Boheman, 1844) and *A. cuprirostris yvoniae* (Pic, 1909). Again, the study of about 400 specimens of *A. cuprirostris* from different localities revealed that any of the subspecies can be reliably separate from the nominotypical one. Moreover, it is clear from the description (Pic 1909) that *A. cuprirostris yvoniae* from France is just a colour variety, as is *A. sicula* from Sicily, as already suggested by Brisout (1871: 303): “Le *siculus*, dont j’ai vu le type, n’est qu’une jolie variété, d’un bleu violacé [de *B. cuprirostris*]”. Thus, we establish the following synonymies: *Aulacobaris cuprirostris* (Fabricius, 1787) [= *Baridius siculus* Boheman 1844; **syn. n.**; = *Baridius yvoniae* Pic, 1909; **syn. n.**]. All these forms are frequently sympatric.

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## The Curculionoidea of the Tuscan Archipelago, Italy (Coleoptera)

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### **Abstract**

An annotated catalogue of the 394 species (divided into 203 genera or sub-genera) of Coleoptera Curculionoidea thus far known from Tuscan Archipelago, a group of islands and islets in the Tyrrhenian Sea located between the Sardinian-Corsican islands complex and central Italy, is presented. Faunistic, chorological and ecological information is given for all the species together with illustrations of the more distinctive species, of the collecting techniques and of selected habitats.

### **Riassunto**

Viene presentato il Catalogo delle 394 specie di Coleoptera Curculionoidea, suddivise in 203 generi e sottogeneri, ad oggi note delle isole dell'Arcipelago Toscano, un complesso di isole ed isolotti del mare Tirreno, situate fra il sistema sardo-corso e l'Italia centrale. Annotazioni faunistiche, e/o corologiche, e/o tassonomiche, e/o ecologiche sono fornite per tutte le specie. Completano il lavoro le foto delle specie e degli ambienti ritenuti più significativi.

**Key words:** Catalogue, faunistic, Italy, Tuscan Archipelago, weevils.

## Introduction

The Tuscan Archipelago, located between the Sardinian-Corsican islands complex and central Italy is comprised of seven islands plus thirteen islets, with an overall area of 295 km<sup>2</sup> together (Elba 224 km<sup>2</sup>, Giglio 24 km<sup>2</sup>, Capraia 19 km<sup>2</sup>, Montecristo 13 km<sup>2</sup>, Pianosa 10 km<sup>2</sup>, Giannutri 3 km<sup>2</sup>, Gorgona 2 km<sup>2</sup>). This archipelago shows great geological, geomorphological and biological diversity, typical of the Mediterranean basin (Figs. 1A, 1B, 1C).

Beginning in 1997, two of the authors (initially P. Abbazzi, subsequently L. Forbicioni) began gathering and studying beetles (mainly) in the Tuscan Archipelago, the entomofauna of which was poorly known only through a few publications. In 2011, one of the authors (Bellò) planned a study supported by the World Biodiversity Association, authorized and facilitated by the National Park of Tuscan Archipelago (established in 1996 and extending over a great part of the archipelago). See the attachments from page 277 to page 281. This study, which soon involved another author (Colonnelli), was intended to provide an updated catalogue of the quite unexpectedly high diversity of weevils and bark beetles.

The relatively few papers specifically dealing with the Tuscan Archipelago fauna are chronologically the following: Razzauti (1917, 1921); Holdhaus (1923, 1924); Binaghi (1973); Poggi (1976); Fanfani, Groppali (1979); Osella (1981a, 1981b); Faccoli, Cecchi (2003); Abbazzi *et alii* (2004); Mazza *et alii* (2012); Oberprieler, Caldara (2012); Pierotti, Forbicioni (2015). Data on Tuscan Archipelago Curculionoidea are also included in catalogues, faunistic or revisionary notes such as Solari A. and Solari F. (1907); Luigioni (1929); Porta (1932); Abbazzi, Osella (1992); Stüben *et alii* (2003); Magrini *et alii* (2004); Stoch (2008); Abbazzi, Maggini (2009); Abbazzi, Zinetti (2013); Pierotti (2011, 2016a, 2016b, 2017a, 2017b).

Higher taxonomy of Curculionoidea has been, and is still, the object of continuous debate (see e.g. Legalov 2010) particularly as far as

suprageneric categories are concerned. Recently, great discrepancy has occurred between the traditional morphological approach dividing these beetles into several families and subfamilies and a phylogenetic one, partially also based upon molecular data, the latter approach ending up in a dramatic lowering of the number suprageneric categories. For instance, Alonso-Zarazaga, Lyal (1999) divided the Curculionoidea into 20 families, alphabetically as follows: Anthribidae, Apionidae, Attelabidae, Belidae (not Palaearctic), Brachyceridae, Brentidae, Caridae (not Palaearctic), Cryptolaryngidae (not Palaearctic), Curculionidae, Dryophthoridae, Erihynidae, Eurhynchidae (not Palaearctic), Ithyceridae (not Palaearctic), Nanophyidae, Nemonychidae, Oxycorynidae, Platypodidae, Raymondionymidae, Rhynchitidae and Scolytidae.

On the contrary, Alonso-Zarazaga *et alii* (2017) considered the Palaearctic taxa as belonging to only 6 families: Anthribidae, Attelabidae, Belidae (including Oxycoryninae), Brentidae, Curculionidae and Nemonychidae, according to the weevil taxonomy put forward by e.g. Oberprieler *et alii* (2013).

We follow here the division of Curculionoidea in families, subfamilies and tribes as proposed by Alonso-Zarazaga, Lyal (1999) and as done by Abbazzi, Maggini (2009) for the Italian fauna, with some subsequent amendments.

## Materials and methods

This catalogue is essentially based on the more than 7700 specimens and data gathered by us from 1997 until 2019 and preserved in our personal collections. Data provided by our colleagues and friends Roberto Casalini, Nicola Cappellari, Silvio Cuoco, Carlo Giusto, Alessandro Paladini, Roberto Poggi, Saverio Rocchi are also included. Standard collecting methods of sweeping, beating, handpicking on plants and under stones and malaise trap were used. In addition, litter taken under single plants or under Mediterranean maquis and shrubs or in wooden areas was sifted, the arthropods



Fig. 1A. Tuscan Archipelago islands.



Fig. 1B. Tuscan Archipelago in the Mediterranean Sea.



Fig. 1C. View on the Elba Island from Capanne Mount.

subsequently extracted with Winkler or Berlese funnel, or collected by putting the litter in the sun such that the usually cryptic, motionless insects start to walk and can thus be seen (Figs. 2A, 2B, 2C, 2D, 2E, 2f, 2G, 2H, 2I, 2J, 2K, 2L, 2M). Leonardo Forbicioni using a Motic SMZ-143-N2GG microscope examined most specimens. Male genitalia were dissected using standard techniques and mounted in DMHF (dimethyl hydantoin formaldehyde resin). Studio photos were taken with a EOS 600D Canon digital camera, equipped with a Canon Macro f/2.8 100mm objective, and set with an ISO sensitivity equivalent to 100, focal ratio f/3.2 or f/4,5 to prevent the objective lens distortion, and exposure time 1/200. Both the camera and the photographed specimen were fixed separately on two tripods. The camera was equipped with

Macro Twin Lite MT-24EX macro photography lighting system. Photo-stacking was made using Zerene Stacker software Version 1.04 Build T2018-07-19-1515 and Photoshop CC 2019 for post-production. The laboratory pictures where not specified were made by L. Forbicioni.

The field pictures where not specified were made by L. Forbicioni (with iPhone 6S) and C. Bellò (with a digital Olympus C-5050 ZOOM).

Localities on labels are listed for Elba Island according to municipality as follows: Portoferraio, Rio, Porto Azzurro, Capoliveri, Campo nell'Elba, Marciana. When omitted, the collector name is meant as the same of the holder of the collection where it is kept. Initials of the given names of the authors are not included. Names of the plants follows Carta *et alii* (2018).



Fig. 2A. Beating, the "Colonnelli method" on Elba Island.



Fig. 2B. Beating, S. Biondi with beating tray on Elba Island.



Fig. 2C. Vegetation sweeping, L. Forbicioni and M. S. Chemello on Giannutri Island.



Fig. 2D. Hand collecting under basal leaves, E. Colonnelli and L. Forbicioni on Pianosa Island.



Fig. 2E. Hand collecting on *Agave* sp. on Giannutri Island.



Fig. 2F. Sifting at the edges of Mediterranean maquis, C. Bellò on Pianosa Island



Fig. 2G. Sifting, L. Forbicioni and M. Mei on Pianosa Island.





Fig. 2H. Sifting on sandy soil, C. Bellò on Elba Island



Fig. 2I. Sifting under centenarian *Quercus ilex* L., E. Colonnelli and G. Meloni at Collo dei Lecci on Montecristo Island.



Fig. 2J. Cloudy day sifting, M. S. Chemello and L. Forbicioni on Elba Island.



Fig. 2K. Sunny day sifting, M. S. Chemello on Capraia Island.



Fig. 2L. Sifting and beating in fallow fields on Pianosa Island, M. S. Chemello, G. Meloni, L. Forbicioni and E. Colonnelli.



Fig. 2M. Giuseppe Osella and Margherita Pogliano sifting and looking on the Elba Island. Photo courtesy Michele Tedeschi.

### Acronyms and abbreviations

Specimens are preserved in several collections whose acronyms (following Evenhuis 2007) are the following. The curator name for institutional collections is given in parentheses:

APA = Alessandro Paladini collection, Vicchio, Florence, Italy;  
 CBE = Cesare Bellò collection, Castelfranco Veneto, Treviso, Italy;  
 ECO = Enzo Colonnelli collection, Rome, Italy;  
 ERU = Enrico Ruzzier collection, Mirano, Venice, Italy;  
 GOS = Giuseppe Osella collection, Verona, Italy;  
 LFO = Leonardo Forbicioni collection, Portoferraio, Livorno, Italy;  
 HPI = Helio Pierotti collection, Treviso, Italy;  
 MCZR = Museo Civico di Zoologia “Ulisse Aldrovandi”, Rome, Italy (Roberto Casalini);  
 MSNG = Museo Civico di Storia Naturale “Giacomo Doria”, Genoa, Italy (Roberto Poggi);  
 MSUC = Museo di Storia Naturale dell’Università di Pisa, Calci, Italy (Marco Dellacasa);  
 MSNM = Museo Civico di Storia Naturale, Milan, Italy (Fabrizio Rigato);  
 MZUF = Museo Zoologico “La Specola”, Florence, Italy (Luca Bartolozzi);  
 MTE = Michele Tedeschi collection, Milan, Italy;

PAB = Piero Abbazzi collection, Florence, Italy;  
 RCA = Roberto Casalini collection, Rome, Italy;  
 RPO = Roberto Poggi collection, Genoa, Italy;  
 SCU = Silvio Cuoco collection, Livorno Italy;  
 SRO = Saverio Rocchi collection, Florence, Italy.

Chorology acronyms of each species are mostly those proposed by Vigna-Taglianti *et alii* (1993), as follows:

AAP = Alpine-Apennine endemic  
 APD = Apennine-Dinaric  
 ASE = Asiatic-European  
 CAE = Central Asiatic-European  
 CAM = Central Asiatic-Mediterranean  
 CEM = Central Asiatic-European -Mediterranean  
 CEU = Central European  
 COS = Cosmopolite  
 ECS = Sardinian-Corsican and Tuscan Archipelago endemic  
 EEU = Eastern European  
 EME = Eastern Mediterranean  
 ENC = Corsican and Tuscan Archipelago endemic  
 END = Italian endemic  
 ENT = Tuscan Archipelago endemic  
 EUM = European-Mediterranean  
 EUR = European  
 MED = Mediterranean  
 NPA = Neotropical and Palaeartic (introduced)  
 OLA = Holarctic  
 PAL = Palaeartic  
 SEM = Siberian-European-Mediterranean  
 SEU = Southern European  
 SIE = Siberian-European  
 TEM = Turanian-European-Mediterranean  
 TIR = Circumthyrrenian  
 TUE = Turanian-European  
 TUM = Turanian-Mediterranean  
 WEU = Western European  
 WME = Western Mediterranean  
 WPA = Western Palaeartic

For each species habitat, literature records, localities, notes on collecting methods are reported. We also add comments on taxonomy and ecology, when appropriate.

## Catalogue

### ANTHRIBIDAE Billberg, 1820

#### Anthribinae Billberg, 1820 Discotenini Lacordaire, 1865

*Pseudeuparius centromaculatus* (Gyllenhal, 1883)  
(Figs. 1a, 1b)

Chorotype. **SEU**

Material examined. **Elba Island:** Portoferraio, Buraccio, 6.V.2012, 2 exx (LFO); 21.V.2013, 1 ex (LFO); Portoferraio, Buraccio/Casa Galletti, 8.V.2014, 3 exx (LFO); Portoferraio, Acquabona Montefabbrello, 15.V.2012, LFO, 1 ex; Capoliveri, Mola/Calanchiole, 6.VI.2013, 6 exx (LFO); 2.VII.2013, 5 exx (LFO).

Notes. Collected beating *Rosa* spp. New record for the Tuscan Archipelago.

#### Zygaenodini Lacordaire, 1865

*Noxius curtirostris* (Mulsant, Rey, 1861)

Chorotype. **MED**

Literature records. Abbazzi *et alii* (1999: 70, Capraia, Gorgona e Pianosa).

Material examined. **Elba Island:** Portoferraio, Monte delle Poppe, 8.VII.2012, 2 exx (LFO); Portoferraio, Volterraio, 8.VIII.2013, 2 exx



Fig. 1a. *Pseudeuparius centromaculatus* (Gyllenhal, 1883), dorsal view. Length 5.50 mm



Fig. 1b. *Pseudeuparius centromaculatus* (Gyllenhal, 1883), lateral view. Length 5.50 mm.

(LFO); Portoferraio, Monte Orello, 20.VI.2013, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 29.VI.2018, 1 ex (LFO); Marciana, near the cableway, 500 m, 7.VII.2012, 1 ex (LFO); Campo nell'Elba, Monte Perone-San Piero, 12.VII.2012, 5 exx (LFO); Campo nell'Elba, Monte Maolo, 14.VIII.2013, 1 ex (LFO); Rio Marina, Colle a Vita, 28.VI.2014, 1 ex (LFO); Capoliveri, Straccoligno, 2.VII.2014, LFO, 16 exx; Capoliveri, Buzzancone, 28.VII.2014, 2 exx (LFO). **Pianosa Island:** Punta Secca, 5.VI.2013 larva in wood of *Quercus ilex* L. harvested on 13.IV.2013, 1 ex (LFO).

Notes. Ex larva from *Spartium junceum* L. and from *Quercus ilex* L., or beating the latter plant. New record for the Elba Island.

#### Choraginae Kirby, 1819

Choragini Kirby, 1819

*Choragus sheppardi* Kirby, 1819

Chorotype. **EUR**

Material examined. **Elba Island:** Marciana, Monte Capanne, cableway, 14.VIII.2013, 1 ex (LFO).

Notes. Collected only specimen beating in the undergrowth of a chestnut grove. New record for the Tuscan Archipelago.

#### Araecerini Lacordaire, 1865

*Araecerus fasciculatus* (De Geer, 1775)

(Figs. 1c, 1d)

Chorotype. **COS**

Material examined. **Elba Island:** Portoferraio, Schiopparello, 24.VIII.2010, G. Frangini leg. 2 exx (LFO); Portoferraio, Strada Condotto, 14.XI.2010, 1 ex (LFO); Portoferraio, in town, 25.X.2011, 1 ex (LFO); Portoferraio, Fosso del Buraccio, 11.X.2013, 1 ex (LFO); Portoferraio, near Stazione Carabinieri, 8.I.2014, 3 exx (LFO); Portoferraio, Le Prade, 3.XI.2015, 1 ex (LFO).

Notes. Collected either by sweeping or by sifting at the base of the olive trees, or between the fallen dates at the base of *Phoenix canariensis* H. Willdpret. New record for the Tuscan Archipelago.



Fig. 1c. Male of *Araecerus fasciculatus* (De Geer, 1775), dorsal view. Length 4.00 mm



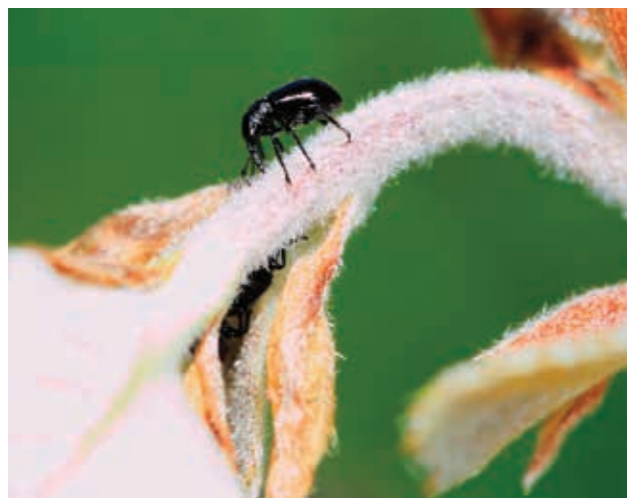
Fig. 1d. Female of *Araecerus fasciculatus* (De Geer, 1775), dorsal view. Length 4.50 mm.

**RHYNCHITIDAE Gistel, 1848****Rhynchitinae Gistel, 1848**

Auletini Desbrochers des Loges, 1908

*Eomesauletes politus* (Lepeletier, Audinet-Serville, 1825) (Fig. 2a)Chorotype. **TUE**Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 984, Elba); Porta (1932: 331, Elba), all quoted as *Auletetes politus*.Material examined. **Elba Island:** Portoferraio, Vecchio Papa, 5.V.2012, 5 exx (LFO); Portoferraio, Acquabona, 2.VI.2012, 1 ex (LFO); Portoferraio, Acquabona-Sughereta, 9.VI.2012, 1 ex (LFO); Portoferraio, Volterraio/Macinino, 12.V.2013, 1 ex (LFO); Campo nell'Elba, San Piero, 10.VI.2012, 1 ex (LFO); 8.V.2013, 4 exx (LFO); Rio nell'Elba, Volterraio, 9.V.2014, 1 ex (LFO); Campo nell'Elba, Monte Maolo, 650 m, 1.VI.2014, 1 ex (LFO); Marciana, Patresi, Uviiale di Patresi, 30.V.2017, 6 exx (LFO). **Giglio Island:** Colle della Pagana, 17/19.V.2012, 3 exx (LFO); Mezzo Franco, 18.V.2012, 1 ex (LFO); Campese, Il Franco, 70 m, 1.V.2014, 1 ex (ECO); Acqua Selvaggia, 4.V.2016, 6. exx (LFO).Notes. Beating oaks. New record for the Giglio Island.*Auletetes tubicen* Schoenherr, 1826

(Figs. 3a, 3b)

Chorotype. **MED**Fig. 2a. Female of *Eomesauletes politus* (Lepeletier, Audinet-Serville, 1825) at the beginning of the oviposition.Material examined. **Elba Island:** Marciana, Punta Le Tombe, N 42°44'09,0" E 10°08'16,1", 24.V.2017, 1 ex (LFO); 27.V.2017, 2 exx (LFO). Notes. Collected beating *Juniperus phoenicea turbinata* Guss. New record for the Tuscan Archipelago.Fig. 3a. *Auletetes tubicen* Schoenherr, 1826, dorsal view. Length 1.90 mm.Fig. 3b. *Auletetes tubicen* Schoenherr, 1826, Elba Island habitats.

## Rhynchitini Gistel, 1848

*Lasiorrhynchites (Coccigorrhynchites) sericeus* (Herbst, 1797)Chorotype. **CEM**Material examined. **Elba Island:** Marciana, Monte Maolo, Sentiero delle Farfalle, 700 m, 2.VI.2019, 1 ex (LFO).Notes. On *Quercus ilex* L. together with the host *Attelabus nitens*. New record for the Tuscan Archipelago*Neocoenorrhinus (Neocoenorrhinus) germanicus* (Herbst, 1797)Chorotype. **ASE**Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 986, Elba); Porta (1932: 333, Elba), all as *Rhynchites germanicus*.Material examined. **Elba Island:** Capoliveri, Mola, 19.IV.2012, 1 ex (LFO).

Notes. Collected by general sweeping.

*Neocoenorrhinus (Neocoenorhinidius) pauxillus* (Germar, 1823) (Figs. 4a, 4b)Chorotype. **CAE**Material examined. **Elba Island:** Portoferraio, Buraccio, 18.III.2016, 2 exx (LFO).Notes. Collected by general sweeping. New record for the Tuscan Archipelago.Fig. 4a. *Neocoenorrhinus (Neocoenorhinidius) pauxillus* (Germar, 1823), dorsal view. Length 2.00-2.30 mm.Fig. 4b. *Neocoenorrhinus (Neocoenorhinidius) pauxillus* (Germar, 1823), lateral view. Length 2.00-2.30 mm.

Fig. 5a. *Attelabus nitens* (Scopoli, 1763), Elba Island habitats.Fig. 5b. *Attelabus nitens* (Scopoli, 1763) leaf-roll.Fig. 5c. *Attelabus nitens* (Scopoli, 1763) large leaf-roll.

## ATTELABIDAE Billberg, 1820

### Attelabinae Billberg, 1820

Attelabini Billberg, 1820

#### *Attelabus nitens* (Scopoli, 1763)

(Figs. 5a, 5b, 5c)

Chorotype. **SIE**

Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 988, Elba); Porta (1932: 335, Elba).

Material examined. **Elba Island:** Rio nell'Elba, near Nisporto, 5.VI.2010, 1 ex (LFO); Marciana, Monte Maolo, Sentiero delle Farfalle, 700 m, 2.VI.2019, 1 ex (LFO).

Notes. Found beating oaks, mainly *Quercus ilex* L. Often associated with the parasite *Lasiorynchites sericeus*.

## APIONIDAE Schoenherr, 1823

### Apioninae Schoenherr, 1823

Ceratapiini Alonso-Zarazaga, 1990

#### *Omphalapion dispar* (Germar, 1817)

Chorotype. **EUM**

Material examined. **Elba Island:** Portoferraio, Volterraio, 15.VI.2013, 1 ex (LFO); Rio, near Cima del Monte, 17.X.2017, 1 ex (LFO); Porto Azzurro, Monserrato, 19.III.2016, 1 ex (LFO).

Notes. New record for the Tuscan Archipelago.

#### *Omphalapion laevigatum* (Paykull, 1792)

Chorotype. **TUE**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 975, Elba); Porta (1932: 308 Elba); Magnano (1961: 32, Elba); Colonnelli (1983a: 129, Elba), all as *Apion laevigatum*.

Material examined. None.

Notes. Species associated with *Anthemis* and *Matricharia* (Ehret, 1990).

#### *Ceratapion (Ceratapion) carduorum*

(Kirby, 1808)

Chorotype. **CEM**

Literature records: Razzauti (1921: 119, Gorgona); Holdhaus (1924: 114, Elba); Luigioni (1929:

983, Elba); Porta (1932: 326, Elba), all as *Apion carduorum*; Abbazzi *et alii* (2004: 68, Pianosa). Material examined. **Elba Island:** Marciana, Colle d'Orano, 15.VI.1999, P. Abbazzi leg. 1 ex (CAB). Notes. The above literature records must be verified since the systematics of the *C. carduorum* group has been thoroughly revised and deeply modified by Alonso-Zarazaga (1990), also considering that the main host of the true *C. carduorum* in the Mediterranean is *Onopordum acanthium* L., plant that does not occur on Elba, where is instead to be found *Cirsium vulgare* (Savi) Ten. (Carta *et alii*, 2018) which is another host plant of *C. carduorum* in cooler climates (Alonso-Zarazaga, 1990).

#### *Ceratapion (Ceratapion) gibbirostre*

(Gyllenhal, 1813) (Figs. 6a, 6b)

Chorotype. **CEM**

Literature records. Alonso-Zarazaga (1990: 107, Elba e Capraia); Abbazzi *et alii* (2004: 68, Pianosa).

Material examined. **Elba Island:** Portoferraio, Volterraio, 15.VI.2013, 1 ex (LFO); Portoferraio, Acquabona c/o artificial lake, 12.V.2014, 2 exx (LFO); Portoferraio, Acquaviva, 1.III.2015, 1 ex (LFO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 1 ex (LFO); Rio, Rio Marina, Monte Arco, 5.V.2014, 1 ex (LFO); Rio, Volterraio, 9.V.2014, 2 exx (LFO); Porto Azzurro, Mola, wet area/beach, 6.VI.2014, LFO, 1 ex; Porto Azzurro, Buraccio-Monte Castello, 300/350 m, 11.VI.2014, 4 exx (LFO); Porto Azzurro, Reale, 5.V.2014, 2 exx (LFO); Capoliveri, Innamorata, 120 mt, 4.V.2014, 1 ex (LFO); Campo nell'Elba, Monte Perone, 614 m, 11.VII.2014, 1 ex (LFO); Campo nell'Elba, Piana al Canale, 28.IV.2015, 1 ex (LFO); Campo nell'Elba, San Piero - sports field, 8.VI.2004, (SCU), 2 exx; Marciana, Colle d'Orano, 315 mt, vaglio leccio, 8.X.2013, Bellò, Chemello legg. 3 exx (LFO); Marciana, Uviiale di Patresi, 30.V.2017, 4 exx (LFO). **Capraia Island:** La Lavanderia, 20.V.2016, 3 exx (LFO); Lo Stagnone, 22.V.2016, 1 ex (LFO). **Giglio Island:** Poggio della Pagana, 9.IV.2016, 1 ex, (LFO); Calabugina, 3.V.2016, 2 exx (LFO); Acqua Selvaggia, 4.V.2016, 1 ex (LFO). **Gorgona**

**Island:** between Ferro di Cavallo e Torre Vecchia, 8.V.2015, 10 exx (LFO). **Pianosa Island:** Punta Secca, 4.I.2015, 1 ex (LFO); Cala dei Turchi, 6.V.2014, Bellò leg. 3 exx (LFO); Sembolello, 6.V.2014, 3 exx (ECO).



Fig. 6a. *Ceratapion (Ceratapion) gibbirostre* (Gyllenhal, 1813), dorsal view. Length 2.70 mm.

Notes. Collected beating Asteraceae. New record for the Giglio Island and the Gorgona Island.

*Ceratapion (Ceratapion) scalptum* (Mulsant, Rey, 1858)

Chorotype. **CEM**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 983, Elba); Porta (1932: 326 Elba), Magnano (1962: 46, Elba), all quoted as *Apion scalptum*.

Material examined. None.

Notes. The above literature records, although possible, must be verified since the systematics of the *C. carduorum* group has been deeply modified by Alonso-Zarazaga (1990).

*Ceratapion (Acanephodus) onopordi onopordi* (Kirby, 1808)

Chorotype. **CAE**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 982, Elba); Porta (1932: 327, Elba), all quoted as *Apion onopordi*.

Material examined. **Elba Island:** Portoferraio, Acquabona near artificial lake, 12.V.2014, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 17.V.2015, 1 ex (LFO); Portoferraio, Buraccio, 18.III.2016, 1 ex (LFO); Rio Marina, Monte Arco, 5.V.2014, 1 ex (LFO); Campo nell'Elba, Monte Perone, 614 m, 11.VII.2014, 2 exx (LFO); Campo nell'Elba, Bonalaccia, 6.VI.2016, 2 exx (LFO).

Notes. Collected sweeping and beating Asteraceae.



Fig. 6b. *Ceratapion (Ceratapion) gibbirostre* (Gyllenhal, 1813), lateral view. Length 2.70 mm.

*Diplapion confluens* (Kirby, 1808)

Chorotype. **WPA**

Literature records. Schatzmayr (1925: 71, Giglio as *Apion confluens*).

Material examined. None.

Notes. Species known to feed on Asteraceae of the genera *Matricharia*, *Anthemis* ad *Tripleurospermum* (Wanat, 1995).

*Diplapion detritum* (Mulsant, Rey, 1858)

Chorotype. **EUM**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 982, Elba); Porta (1932: 324, Elba e Giglio), all quoted as *Apion detritum*; Wanat (1995: 184, Elba).

Material examined. **Elba Island:** Capoliveri, Beach di Lacona, 14.V.2014, 3 exx (ECO); 28.V.2014, 2 exx (LFO).

Notes. Collected beating *Anthemis maritima* L.

Aspidapiini Alonso-Zarazaga, 1990

*Aspidapion (Aspidapion) soror* (Rey, 1895)

Chorotype. **MED**

Literature records. Luigioni (1929: 981, Elba, as *Apion foveatoscutellatum* Wagner, 1906).

Material examined. None.

Notes. Weevil associated to *Althaea officinalis* L. (Ehret 1990), whose presence at Elba is likely.

*Aspidapion (Aspidapion) radiolus* (Marsham, 1802) (Figs. 6c, 6d)

Chorotype. **PAL**

Literature records. Holdhaus (1924: 114, Elba); Porta (1932: 319, Elba), both as *Apion radiolus*. Material examined. **Elba Island:** Portoferraio, San Giovanni, 28.III.2012, 1 ex (LFO);



Fig. 6c. *Aspidapion (Aspidapion) radiolus* (Marsham, 1802), dorsal view. Length 3.00 mm.



Fig. 6d. *Aspidapion (Aspidapion) radiolus* (Marsham, 1802), lateral view. Length 3.00 mm.

4.IV.2012, 1 ex (LFO); Portoferraio, Terme San Giovanni, 18.IV.2014, 2 exx (LFO); 9.VI.2014, 3 exx (LFO); 3.III.2015, 5 exx (LFO); Portoferraio, Monte Fabrello surroundings, 8.V.2014, 1 ex (LFO); Portoferraio, road to Enfola/Sansone, 25.IV.2012, 1 ex (LFO); Portoferraio, Acquabona, 1.III.2015, 9 exx (LFO); Portoferraio, Le Prade, 03.XI.2015, 1 ex (LFO); Portoferraio, Tre Acque, 14.IV.2016, 1 ex (LFO); Porto Azzurro, Buraccio/Monte Castello, 300-350 m, 11.VI.2014, 3 exx (LFO); Capoliveri, Monte Calamita, 24.IV.2012, 1 ex (LFO); Capoliveri, Monte Calamita, Costa dei Gabbiani, 28.VI.2013, 1 ex (LFO); Capoliveri, Monte Calamita c/o Radiofaro, 11.III.2015, 5 exx (LFO); Capoliveri, Mola, 3.VI.2015, 1 ex (LFO); Capoliveri, Capanna di Gustavo, 100 m, 4.V.2014, 1 ex (ECO); Campo nell'Elba, San Piero, Sports field, 8.VI.2004, (SCU), 1 ex; Campo nell'Elba, San Piero, 29.IV.2012, 1 ex (LFO); Campo nell'Elba, Vallebuia, 1.IV, 2012, 2 exx (LFO); Campo nell'Elba, Monte Perone, 614 m, 11.VII.2014, 6 exx (LFO). **Capraia Island:** former prison entrance, 67 m, 24.V.2014, Bellò, Chemello leg. 1 ex (LFO); Belvedere near the village, 21.V.2016, Bellò, Chemello, Forbicioni leg. (LFO), 3 exx; 21.VI.2016, 2 exx (LFO). **Giglio Island:** Strada del Dolce, 4.V.2016, 1 ex (LFO); Acqua Selvaggia, 4.V.2016, 1 ex (LFO). **Pianosa Island:** malaise trap, 6.II-6.III.2001, F. Strumia leg. 2 exx (CIUC); village surroundings, 4.I.2015, 1 ex (LFO); 13.II.2014, 5 exx (LFO); 11.IV.2015, 1 ex (LFO).

Notes. Collected beating Malvaceae of the genera *Althaea*, *Lavatera* and *Malva*, or sifting. New record for the Capraia, Giglio and Pianosa islands.

*Aspidapion (Koestlinia) aeneum* (Fabricius, 1775)

Chorotype. **PAL**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 980, Elba), both as *Apion aeneum* var. *chalceum* Marsham 1802; Porta (1932: 319 as *Apion aeneum*); Abbazzi *et alii* (2004: 68, Pianosa).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 4.XI.2010, 1 ex (LFO); Porto-

ferraio, Terme San Giovanni, 9.VI, 2014, 2 exx (LFO); 3.III.2015, 1 ex (LFO); Portoferraio, Valdana-Bivio Norsì, 27.V.2015, 1 ex (LFO); Portoferraio, Le Prade, 30.XI.2015, 1 ex (LFO); Portoferraio, road to Enfola/Sansone, sfalcio, 25.IV.2012, 1 ex (LFO); Campo nell'Elba, San Piero, 6.VI.2004, (SCU), 3 exx; Campo nell'Elba, San Piero - sports field, 8.VI.2004, (SCU), 9 exx; Campo nell'Elba, Monte Perone, San Francesco, 26.IX.2012, 1 ex (LFO); Campo nell'Elba, Torre di San Giovanni, 90 m, 1 ex (LFO); Campo nell'Elba, Torre di San Giovanni, 90 m, 11.VII.2014, 1 ex (LFO); Campo nell'Elba, Monte Perone/San Francesco, 27.VII, 2014, 1 ex (LFO); Marciana, Monte Capanne, Maciarellò 300 m, 1.V.2012, 1 ex (LFO).

Notes. Collected beating Malvaceae of the genera *Althaea*, *Lavatera* and *Malva*.

Kalcapiini Alonso-Zarazaga, 1990

*Squamapion flavimanum* (Gyllenhal, 1833)

Chorotype. **EUR**

Material examined. **Elba Island:** Porto Azzurro, Sanctuary of Monserrato, 6.VI.2014, 1 ex (LFO). Notes. Sifting debris under *Clinopodium nepeta* (L.) Kuntze. New record for the Tuscan Archipelago.

*Kalcapion semivittatum* (Gyllenhal, 1833)

(Fig. 6e)

Chorotype. **EUM**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 981, Elba); Porta (1932: 322, Elba); Magnano, Osella (1970: 573), all quoted as *Apion semivittatum*; Abbazzi *et alii* (2004: 68, Pianosa).

Material examined. **Elba Island:** Portoferraio, Colle Reciso, 10.III.2013, 3 exx (LFO); Portoferraio, Santa Lucia, 230 m, sfalcio, 15.IV.2013, 2 exx (LFO); Portoferraio, Terme di San Giovanni, 21.VI.2013, 1 ex (LFO); 7.IV.2014, 1 ex (LFO); Portoferraio, Acquabona near artificial lake, 12.V.2014, 1 ex (LFO); Portoferraio, Acquabona, 11.IV.2016, 1 ex (LFO); Portoferraio, Schiopparello marsh, 17.II.2015, 3 exx (LFO); Portoferraio, Buraccio, 8.II.2015, 3 exx (LFO);



Fig. 6e. *Kalcapion semivittatum* (Gyllenhal, 1833), dorsal view. Photo courtesy of Francesco Sacco. Length 1.90 mm.

Porto Azzurro, Reale, 5.V.2014, 1 ex (LFO); Porto Azzurro, Terra Nera, 5.V.2014, 1 ex (ECO); Porto Azzurro, Mola marsh, 29.XI.2015, 3 exx (LFO); Capoliveri, Monte Calamita, Serrone delle Rose, 300 m, 20.VII.2014, 1 ex (LFO); Cam-



Fig. 7a. *Taeniapion rufulum* (Wencker, 1864), dorsal view. Length 1.80 mm.



Fig. 7b. *Taeniapion rufulum* (Wencker, 1864), lateral view. Length 1.80 mm.

po nell'Elba, Sant'Ilario, 300 m, 30.IV.2016, 2 exx (LFO). **Giannutri Island:** Vigna Vecchia, 10.IV.2016, 3 exx (LFO). **Pianosa Island:** Cala dei Turchi, 6.V.2014, Bellò leg. 2 exx (LFO); village surroundings, 6.V.2016, 1 ex (LFO); 3 exx (ECO); 4.I.2015, 10 exx (LFO).

Notes. Very common species on *Mercurialis annua* L. New record for the Giannutri Island.

***Taeniapion rufescens* (Gyllenhal, 1833)**

Chorotype. **MED**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 981, Elba); Porta (1932: 323, Elba), all quoted as *Apion rufescens*; Abbazzi *et alii* (2004: 68, Pianosa).

Material examined. **Pianosa Island:** Isolotto della Scola, 11.V.1998, P. Lo Cascio leg. 2 exx (CAB).

Notes. Species associated to *Parietaria* (Ehret 1990) and quite sporadic in Italy (*pers. obs.* Colonnelli).

***Taeniapion rufulum* (Wencker, 1864)**

(Figs. 7a, 7b)

Chorotype. **EUR**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 981, Elba), both as *Apion rufulum* Abbazzi, Osella (1992: 281, Elba).

Material examined. **Elba Island:** Portoferraio, Le Prade, 6.IV.2015, LFO, 19 exx; 8.IV.2016, 5 exx (LFO).

Notes. Collected beating flowering *Urtica urens* L.

***Taeniapion urticarium urticarium* (Herbst, 1784)**

Chorotype. **WPA**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 981, Elba); Porta (1932: 322, Elba), all quoted as *Apion urticarium*.

Material examined. None.

Notes. Usually a common species in central Italy on *Urtica*, whose presence on Elba Island: is very probable.

Malvapiini Alonso-Zarazaga, 1990

***Pseudapion rufirostre* (Fabricius, 1775)**

Chorotype. **PAL**

Literature records. Holdhaus (1924: 114, Elba); Porta (1932: 316, Elba), both as *Apion rufirostre*.

Material examined. **Elba Island:** Portoferraio, La Casaccia, 20.IV.2011, 1 ex (LFO); Campo nell'Elba, San Piero, sports field, 8.VI.2004, (SCU), 3 exx; Campo nell'Elba, Vallebuia, 1.IV.2012, 1 ex (LFO); Campo nell'Elba, Torre San Giovanni, 90 m, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 300 m, 30.IV.2016, 2 exx (LFO).

**Giglio Island:** Acqua Selvaggia, 4.V.2016, 16 exx (LFO); Poggio della Pagana, 9.IV.2016, 1 ex (LFO); Strada del Dolce, 4.V.2016, 5 exx (LFO). Notes. Found beating *Malva* spp. New record for the Giglio Island.

***Malvapion malvae* (Fabricius, 1775)**

Chorotype. **PAL**

Literature records. Holdhaus (1924: 115, Elba); Porta (1932: 302, Elba), both as *Apion malvae*; Abbazzi *et alii* (2004: 68, Pianosa).

Material examined. **Elba Island:** Portoferraio, Antiche Saline, 9.VI.2014, 1 ex (LFO); Portoferraio, Tre Acque, 14.IV.2016, 1 ex (LFO); Campo nell'Elba, frazione San Piero, Sports field, 8.VI.2004, (SCU), 5 exx; Campo nell'Elba, Vallebuia, 1.IV.2012, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 300 m, 30.IV.2016, 1 ex (LFO); Capoliveri, Monte Calamita, 24.IV.2012, 2 exx (LFO); Capoliveri, Mola, wet area, 3.V.2011, 1 ex (LFO); Capoliveri, Capanna di Gustavo, 6.V.2014, 3 exx (ECO). **Giglio Island:** Poggio della Pagana, 9.IV.2016, 1 ex (LFO); Cala-

bugina, 3.V.2016, 1 ex (LFO); Acqua Selvaggia, 4.V.2016, 5 exx (LFO); Strada del Dolce, 4.V.2016, 4 exx (LFO). **Pianosa Island:** village surroundings, 12-14.IV.2012, 1 ex (LFO); 6.V.2014, 1 ex (ECO); 2.VI.2014, 1 ex (LFO); Punta dei Bagni, 6.V.2014, Bellò, Chemello legg. 1 ex (LFO); Cala dei Turchi, 6.V.2014, Bellò, Chemello legg. 1 ex (LFO).

Notes. Collected beating *Malva* spp. and sifting under *Pistacia lentiscus* L. New record for the Giglio Island.

Exapiiini Alonso-Zarazaga, 1990

***Lepidapion (Lepidapion) argentatum argentatum* (Gerstaecker, 1854) (Figs. 8a, 8b, 8c, 8d)**

Chorotype. **WME**

Literature records. Holdhaus (1924: 114, Elba); Schatzmayr (1925: 101, Elba); Luigioni (1929: 981, Elba); Porta (1932: 323, Elba), all quoted as



Fig. 8a. Male of *Lepidapion (Lepidapion) argentatum argentatum* (Gerstaecker, 1854), dorsal view. Length 1.60 mm.





Fig. 8b. Male of *Lepidapion (Lepidapion) argentatum argentatum* (Gerstaecker, 1854), lateral view. Length 1.60 mm.

*Apion argentatum*; Abbazzi, Osella 1992: 282, Elba); Abbazzi, Maggini (2009: 122, Elba).

Material examined. **Elba Island:** Portoferraio, Monte Orello versante nord, 10.XII.2013, 1 ex (LFO); Capoliveri, Monte Calamita, 2.IV.2016, LFO, 22 exx; Campo nell'Elba, Monte Perone, Piana al Canale, N42°45'20,8" E10°11'18,7", 23.IV.2017, 6 exx (LFO).

Notes. Sampled by beating flowering *Teline monspessulana* (L.) K. Koch and sifting.

*Exapion fuscirostre fuscirostre* (Fabricius, 1775)

Chorotype. CAE

Literature records. Holdhaus (1924: 114, Elba as *Apion fuscirostre*); Schatzmayr (1925: 33, Elba); Luigioni (1929: 983, Elba); Porta (1932: 328, Elba).

Material examined. None.

Notes. Although one of its host plants, *Cytisus scoparius* (L.) Link. (Ehret, 1990) is sporadic on Elba Island (Carta *et alii* 2018), we were not able to find again this species.

*Exapion subparallelum* (Desbrochers, 1888)

(Fig. 9a)

Chorotype. WME

Material examined. **Elba Island:** Portoferraio, Monte Orello, 30.IV.2013, 1 ex (LFO); Rio nell'Elba, Volterraio, 6.XII.2015, 2 exx (LFO); Capoliveri, Monte Calamita, 24.IV.2012, 1 ex



Fig. 8c. Female of *Lepidapion (Lepidapion) argentatum argentatum* (Gerstaecker, 1854), dorsal view. Length 1.70 mm.



Fig. 8d. Female of *Lepidapion (Lepidapion) argentatum argentatum* (Gerstaecker, 1854), lateral view. Length 1.70 mm.



Fig. 9a. *Exapion subparallelum* (Desbrochers, 1888), lateral view. Photo courtesy of Francesco Sacco. Length 2.20 mm.

(LFO); 24.IV.2015, 1 ex (LFO); Capoliveri, Monte Calamita, versante NE, 365 m, 31.X.2013, 1 ex (LFO); Capoliveri, Monte Calamita, Capanna di Gustavo, 2.XI.2013, 1 ex (LFO); Capoliveri, Monte Calamita, Innamorata, 120 m, 11.III.2015, 1 ex (LFO); Campo nell'Elba, Vallebuaia, 1.IV.2012, 4 exx (LFO).

Notes. Collected beating *Calycotome* sp. New record for the Tuscan Archipelago.

***Exapion elongatum*** (Desbrochers, 1891)

Chorotype. **EUR**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 983, Elba); Porta (1932: 328, Elba), all quoted as *Apion elongatum*; Colonnelli (1974: 121, Elba) as *Apion (Exapion) elongatum* Desbrochers).

Material examined. **Elba Island:** Portoferraio, Monte Orello, 29.III.2013, 2 exx (LFO); Capoliveri, near the beacon, 9.V.2013, 1 ex (LFO); Campo nell'Elba, Monte Perone, Piana al Canale, 23.IV.2017, 6 exx (LFO); Marciana, Monte Capanne, Maciarelo, 300 m, 1.V.2012, 3 exx (LFO); 30.IV.2013, 1 ex (LFO).

Notes. Found beating *Calycotome* sp.

Piezotrachelini Voss, 1959

***Protapion angusticolle*** (Gyllenhal, 1833)

Chorotype. **MED**

Literature records. Holdhaus, Wagner (1905: 37, Elba as *Apion holdhausi* Wagner); Razzauti (1921: 119, Elba); Holdhaus (1924: 114, Elba); Schatzmayr (1926: 131, Elba e Giglio); Luigioni (1929: 974, Elba); Porta (1932: 306, Elba e Giglio), all quoted as *Apion angusticolle*.

Material examined. **Elba Island:** Portoferraio, Le Prade, 3.XI.2015, 1 ex (LFO); Portoferraio, Buraccio, 18.III.2016, 1 ex (LFO).

Notes. Collected sweeping *Trifolium stellatum* L.

***Protapion laevicolle*** (Kirby, 1811)

Chorotype. **EUM**

Literature records. Holdhaus (1924: 115, Elba); Porta (1932: 305, Elba), both as *Apion laevicolle*.

Material examined. **Elba Island:** Portoferraio, Le Picchiaie, vaglio, 19.X.2013, 1 ex (LFO);

Porto Azzurro, Capo d'Arco, 100 m, 5.V.2014, 1 ex (ECO); Capoliveri, Monte Calamita, 30.III.2014, 1 ex (LFO); Capoliveri, Lacona, 28.V.2014, 1 ex (LFO); Campo nell'Elba, Sant'Illario, 27.IV.2011, 1 ex (LFO). **Capraia Island:** former prison entrance, 67 m, 24.V.2014, Bellò, Chemello leg. 1 ex (LFO); Vado del Porto, 25.V.2014, Bellò, Chemello leg. 1 ex (LFO).

Notes. Sweeping *Trifolium repens* L. or sifting litter under olives and maquis. New record for the Capraia Island.

***Protapion dentipes*** (Gerstaecker, 1854)

(Fig. 10a)

Chorotype. **MED**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 974, Elba); Porta (1932: 305, Elba), both as *Apion dentipes*.

Material examined. **Elba Island:** Portoferraio, Volterraio/Cima del Monte, 15.VI.2013, 1 ex (LFO); Portoferraio, Monte Orzo, 50 m, 28.IV.2014, 2 exx (LFO); Portoferraio, San Giovanni, prato allagato, 6.XII.2014, 1 ex (LFO); Rio nell'Elba, Bagnaia-Valle del Frasso, 17.V.2015, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 6.VI.2013, 2 exx (LFO).

Notes. Collected sweeping wild vegetation of fallow fields.

***Protapion fulvipes fulvipes*** (Geoffroy in Fourcroy, 1785)

Chorotype. **PAL**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 974, Elba); Porta (1932: 304, Elba), all quoted as *Apion flavipes* (Paykull, 1792). Abbazzi *et alii* (2004: 68, Pianosa).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 28.III.2012, 1 ex (LFO); 15.IV.2016, 1 ex (LFO) Portoferraio, Tre Acque, 20.IV.2012, 1 ex (LFO); Portoferraio, Acquabona/Monte Fabrello, 7.IX.2012, 1 ex (LFO); Portoferraio, Santa Lucia, 15.VI.2013, 1 ex (LFO); Portoferraio, Terme San Giovanni, 13.V.2014, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 17.V.2015, 9 exx (LFO); Portoferraio, Le Prade, 30.XI.2015, 1 ex (LFO); Capoliveri, Mola marsh, 2.IV.2016, 2 exx (LFO).



Fig. 10a. *Protapion dentipes* (Gerstaecker, 1854), dorsal view. Photo courtesy of Francesco Sacco.

Notes. Collected sweeping wild vegetation of fallow fields.

***Protapion nigritarse*** (Kirby, 1808)

Chorotype. **PAL**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 973, Elba); Porta (1932: 304, Elba), both as *Apion nigritarse*; Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 28.III.2012, 1 ex (LFO); Portoferraio, Terme San Giovanni, 13.V.2014, 3 exx (LFO); Portoferraio, Le Prade, 8.IV.2015, 1 ex (LFO); Portoferraio, Tre Acque, 10.IV.2015, 1 ex (LFO); Portoferraio, Buraccio, 18.III.2016, 1

ex (LFO); Rio Marina, Monte Arco, 22.IV.2014, 2 exx (LFO); 5.V.2014, 1 ex (LFO); Porto Azzurro, Capo d'Arco, 100 m, 5.V.2014, 1 ex (ECO); Campo nell'Elba, Monte Perone, San Francesco, 27.VII.2014, 1 ex (LFO). **Capraia Island:** La Lavanderia, 20.V.2016, 4 exx (LFO). **Giglio Island:** Mezzo Franco, 9.IV.2016, 1 ex (LFO); Acqua Selvaggia, 4.V.2016, 3 exx (LFO); Campese, 5.V.2016, 1 ex (LFO). **Gorgona Island:** Ferro di Cavallo/Torre Vecchia, 8.V.2015, LFO, 14 exx.

Notes. Collected sweeping wild vegetation of fallow fields. New record for the Giglio, Capraia and Gorgona islands.

***Protapion dissimile*** (Germar, 1817)Chorotype. **ASE**Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 974, Elba); Porta (1932: 305, Elba), all quoted as *Apion dissimile*.Material examined. **Elba Island:** Portoferraio, Montebello, 2.V.2015, 1 ex (LFO); Portoferraio, Le Prade, 30.XI.2015, 1 ex (LFO); Capoliveri, Mola, sfalcio, 19.IV.2012, 1 ex (LFO); Campo nell'Elba, Monte Perone, 614 m, N42°53'01" E10°27'38", 11.VII.2014, 2 exx (LFO); Porto Azzurro, Capo d'Arco, 100 m, 5.V.2014, 1 ex (ECO). Notes. Collected sweeping wild vegetation of fallow fields.***Protapion interjectum interjectum*** (Desbrochers, 1895)Chorotype. **EUM**Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 974, Elba); Porta (1932: 306, Elba), all quoted as *Apion interjectum*.Material examined. **Elba Island:** Portoferraio, Volterraio, 25.IV.2013, 1 ex (LFO); Portoferraio, Volterraio/Cima del Monte, 15.VI.2013, 1 ex (LFO); Campo nell'Elba, Monte Perone, 614 m, 11.VII.2014, 1 ex (LFO). **Gorgona Island:** Ferro di Cavallo/Torre Vecchia, 8.V.2015, 1 ex (LFO); 29.VI.2015, 1 ex (LFO).Notes. Collected sweeping Fabaceae. New record for the Gorgona Island.***Protapion apricans*** (Herbst, 1797)Chorotype. **PAL**Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 974, Elba); Porta (1932: 306, Elba), all quoted as *Apion apricans*.Material examined. **Elba Island:** Portoferraio, San Giovanni, 6.XII.2014, 2 exx (LFO); Portoferraio, Schiopparello/Le Prade, 17.V.2015, 11 exx (LFO); 3.XI.2015, 15 exx (LFO); Portoferraio, Buraccio, 18.III.2016, 1 ex (LFO); Campo nell'Elba, Piana al Canale, 28.VI.2015, 4 exx (LFO); Campo nell'Elba, Monte Maolo, 740 m, 22.VI.2014, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 22.VI.2014, 1 ex (LFO).

Notes. Collected sweeping wild vegetation of fallow fields.

***Protapion trifolii*** (Linnaeus, 1768)Chorotype. **PAL**Material examined. **Elba Island:** Portoferraio, Schiopparello/Le Prade, 17.V.2015, 7 exx (LFO); 10.VIII.2015, 1 ex (LFO); 3.XI.2015, 2 exx (LFO); 30.XI.2015, 1 ex (LFO); Campo nell'Elba, San Piero, sports field, 8.VI.2004, (SCU), 2 exx; Rio nell'Elba, Volterraio, 325 m, 5.V.2014, Bellò, Chemello leg. 2 exx (LFO); Porto Azzurro, Capo d'Arco, 100 m, 5.V.2014, 1 ex (ECO); Porto Azzurro, Mola marsh, 29.XI.2015, 2 exx (LFO).Notes. Found sweeping *Trifolium* sp. New record for the Tuscan Archipelago.

Aplemonini Kissinger, 1968

***Phrissotrichum (Phrissotrichum) tubiferum*** (Gyllenhal, 1833)Chorotype. **MED**Literature records. Holdhaus (1924: 114, Elba); Porta (1932: 303, Elba), both as *Apion tubiferum*; Magnano (1961: 30, Elba); Magnano (1964a: 109, Elba).Material examined. **Elba Island:** Portoferraio, San Giovanni, 10.VIII.2010, 1 ex (LFO); Portoferraio, Colle Reciso, windmill, 17.V.2011, 1 ex (LFO); Campo nell'Elba, Vallebuia, 1.IV.2012, 1 ex (LFO); Portoferraio, Buca di Bomba, 20.IV.2012, 2 exx (LFO); Portoferraio, road Enfolà to Sansone, 25.IV.2012, 1 ex (LFO); Portoferraio, centro storico, 1.IX.2014, Collu leg. 1 ex (LFO); Portoferraio, Albereto-Montebello, 7.IX.2014, 1 ex (LFO); Portoferraio, Casaccia, 1.III.2015, 2 exx (LFO); Rio nell'Elba, Volterraio, 6.XII.2015, 10 exx; Capoliveri, Monte Calamita, 362-340 m, 2.XI.2013, 1 ex (LFO); Capoliveri, Monte Calamita, Sassi Neri, 6.IX.2014, 1 ex (LFO); Capoliveri, Buzzancone, 13.II.2015, 12 exx (LFO); Campo nell'Elba, Piana al Canale, 28.IV.2015, 2 exx (LFO); Marciana, Valle di Pomonte, 17.IV.2013, 1 ex (LFO); Marciana, Colle d'Orano, 315m, 8.X.2013, Bellò, Chemello legg. 1 ex (LFO); Marciana, Colle d'Orano, 28.VIII.2015, 2 exx (LFO); Marciana, Colle D'Orano, 135 m, 19.V.2019, Bellò, Chemello legg. 4 exx (LFO). **Capraia Island:** Il Pia-no, 5.V.1996, Cecchi leg. 1 ex (PAB). **Giannutri Island:** Vigna Vecchia, 10.IV.2016, 3 exx (LFO). **Giglio Island:** Giglio Porto, 1.V.2014, Bellò, Chemello, Meloni, Colonnelli legg. 1 ex (LFO); Fontuccia, 150 m, 1.V.2014, 1 ex (ECO); Poggio Pagana, 9.IV.2016, 1 ex (LFO); Calbugina, 3.V.2016, 1 ex (LFO); Valle del Mulino, 4.V.2016, 2 exx (LFO). **Montecristo Island:** Cala Maestra, 7.IV.2015, 1 ex (LFO); Cala Santa Maria, 2.X.2016, 1 ex (ECO). **Pianosa Island:** 12/14.IV.2012, 2 exx (LFO).Notes. Collected either by sifting in holm oak, maquis, and most often observed directly on *Cistus creticus eriocephalus* (Viv.) Greuter, Burdet. New record for the Capraia, Giannutri, Giglio, Montecristo and Pianosa islands.***Pseudoperapion brevirostre*** (Herbst, 1797)

(Figs. 11a, 11b)

Chorotype. **TEM**Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 973, Elba); Porta (1932: 303, Elba), all quoted as *Apion brevirostre*.Material examined. **Elba Island:** Portoferraio, Colle Reciso, windmill, 17.V.2011, 1 ex (LFO); Capoliveri, Monte Calamita, radiofaro, 3.VI.2011, 1 ex (LFO); Capoliveri, Monte Calamita, 23.XI.2015, 1 ex (LFO); Campo nell'Elba, Marina di Campo, 15.VI.1999, P. Abbazzi

leg. 1 ex (CAB); Campo nell'Elba, Bonalaccia, 6.VI.2016, 1 ex (LFO).

Notes. Collected beating *Hypericum* sp.Fig. 11a. *Pseudoperapion brevirostre* (Herbst, 1797), dorsal view. Length 1.90 mm.Fig. 11b. *Pseudoperapion brevirostre* (Herbst, 1797), lateral view. Length 1.90 mm.



Fig. 12a. Male of *Perapion (Perapion) ilvense* (Wagner in Holdhaus, Wagner, 1905), dorsal view. Length 2.10 mm.



Fig. 12b. Male of *Perapion (Perapion) ilvense* (Wagner in Holdhaus, Wagner, 1905), lateral view. Length 2.10 mm

*Cistapion cyanescens* (Gyllenhal, 1833)

Chorotype. **WME**

Material examined. **Elba Island:** Portoferraio, Colle Reciso, windmill, 17.VI.2013, 1 ex (LFO). Notes. Although its host plants of the genus *Cistus* are very common in the Mediterranean, this species is everywhere uncommon and local (Colonnelli *pers. obs.*). Collected on by sweeping in garrigue. New record for the Tuscan Archipelago.

*Perapion (Perapion) ilvense* (Wagner in Holdhaus, Wagner, 1905)

(Figs. 12a, 12b, 12c, 12d, 12e)

Chorotype. **MED**

Literature records. Holdhaus, Wagner (195: 38, Elba); Razzauti (1921: 119, Elba); Holdhaus (1924: 115, Elba), Luigioni (1929: 972, Elba); all quoted as *Apion ilvense*; Schatzmayr (1926: 171, Elba); Porta (1932: 302), both as *Apion curtirostre* Germar, 1817 subsp. *ilvense*; Magnano (1961: 29, Elba); Magnano (1964a: 109, Elba), in both papers quoted as *Apion ilvense*; Abbazzi, Maggini (2009: 124, Elba).

Material examined. **Elba Island:** Portoferraio, Tre Acque, 4.IV.2012, 2 exx (LFO); 10.IV.2015, 4 exx (LFO); Portoferraio, road to Condotto, 19.IV.2013, 2 exx (LFO); Portoferraio, Valle di Lazzaro, 9.IV.2015, LFO, 20 exx; Portoferraio, Valdana/Bivio Norsì, 27.V.2015, 1 ex (LFO); Capoliveri, Mola, sfalcio, 19.IV.2012, 2 exx (LFO); Capoliveri, Mola/Calanchiole, 12.III.2016, 1 ex



Fig. 12c. Female of *Perapion (Perapion) ilvense* (Wagner in Holdhaus, Wagner, 1905), dorsal view. Length 2.10 mm.



Fig. 12e. Host plant of *Perapion (Perapion) ilvense* (Wagner in Holdhaus, Wagner, 1905).



Fig. 12d. Female of *Perapion (Perapion) ilvense* (Wagner in Holdhaus, Wagner, 1905), lateral view. Length 2.10 mm.

(LFO); Capoliveri, Monte Calamita, 24.IV.2015, 1 ex (LFO); Campo nell'Elba, San Piero, Piana al Canale, 26.IV.2015, 2 exx (LFO); 27.VI.2015, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 300 m, 30.IV.2016, 6 exx (LFO); Campo nell'Elba, Torre San Giovanni, 370 m, 4.V.2014, 2 exx (ECO). **Montecristo Island:** Cala Maestra, 29.IX.2016, 1 ex (LFO); Collo dei Lecci, 29.IX.2016, 15 exx (ECO); 3.X.2016, 3 exx (LFO).

Notes. Common in early spring sweeping *Rumex acetosella* L. The specimens collected in Montecristo were all captured by beating *Erica arborea* L., on the branches of which they rested being probably carried on by the wind. New record for the Montecristo Island.

***Perapion (Perapion) affine* (Kirby, 1808)**

(Figs. 12f, 12g)

Chorotype. **PAL**

Material examined. **Elba Island:** Portoferraio, Valle di Lazzaro, 10.IV.2017, 2 exx (LFO); Portoferraio, Valdana/Bivio Norsì, 27.V.2015, 1 ex (LFO); Capoliveri, Calanchiole, 17.VII.2014, 1 ex (LFO); Campo nell'Elba, San Piero, Piana al Canale, 28.VI.2015, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 300 m, 30.IV.2016, 3 exx (LFO). Notes. Collected sweeping wild vegetation of fallow fields. New record for the Tuscan Archipelago.

***Perapion (Perapion) hydrolapathi* (Marsham, 1802)**

Chorotype. **EUM**

Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 972, Elba); Porta (1932: 303, Elba); Colonnelli (1983: 126, Elba), all quoted as *Apion hydrolapathi*.

Material examined. **Elba Island:** Portoferraio, San Giovanni, 18.V.2014, 2 exx (LFO); 18.III.2016, 5 exx (LFO); Portoferraio, Casa del Duca, 28.V.2014, 2 exx (LFO); Portoferraio, Terme di San Giovanni, 9.VI.2014, 1 ex (LFO); 3.III.2015, 4 exx (LFO); Portoferraio, Schiopparello/Le Prade, 17.V.2015, 1 ex (LFO); Portoferraio, Tre Acque, 14.V.2016, 2 exx (LFO); Porto Azzurro, Buraccio/Monte Castello, 11.VI.2014, 5 exx (LFO); Capoliveri, Mola, 19.IV.2012, 2

exx (LFO); 2.IV.2016, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 31.V.2014, 3 exx (LFO); 11.III.2015, 4 exx (LFO); 12.III.2016, 4 exx (LFO); Campo nell'Elba, San Piero, Fosso Galeo, 5.VI.2004, (SCU), 3 exx; Campo nell'Elba, San Piero, Piana al Canale, 28.VI.2015, 1 ex (LFO). **Giglio Island:** Campese, 5.V.2016, 1 ex (LFO). Notes. Found by sweeping wild vegetation of fallow fields. New record for the Giglio Island.

***Perapion (Perapion) violaceum violaceum* (Kirby, 1808)**

Chorotype. **PAL**

Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 972, Elba); Porta (1932: 303, Elba), all quoted as *Apion violaceum*.

Material examined. **Elba Island:** Portoferraio, Terme di San Giovanni, 13.V.2014, 1 ex (LFO); Portoferraio, San Giovanni, 18.V.2014, 2 exx (LFO); Portoferraio, Schiopparello/Le Prade, 17.V.2015, 1 ex (LFO); Portoferraio, Valdana/Bivio Norsì, 27.V.2015, 1 ex (LFO); Portoferraio, Acquabona, 11.IV.2016, 1 ex (LFO); Portoferraio, Tre Acque, 14.IV.2016, 1 ex (LFO); Porto Azzurro, near the Sanctuary of Monserrato, 6.VI.2014, 4 exx (LFO); Porto Azzurro, Buraccio-Monte Castello, 300/350 m, 11.VI.2014, 1 ex (LFO); Porto Azzurro, Laghetto di Terranera, 30.IV.2015, 1 ex (LFO); Capoliveri, Pian di Mola, 28.V.2011, 1 ex (LFO); 9.VI.2011, 1 ex (LFO); 19.IV.2012, LFO, 3 exx; 12.III.2016, 2 exx (LFO); Capoliveri, Lacona, 28.V.2014, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 3.IV.2013, 1 ex (LFO); 31.V.2014, 1 ex (LFO); Capoliveri, Gualdo, 8.VI.2014, 2 exx (LFO); Capoliveri, Mola marsh, 2.IV.2016, 2 exx (LFO); Campo nell'Elba, Monte Perone, Pieve San Giovanni, 415 m, 5.X.2013, Bellò, Chermello legg. 1 ex (LFO); Campo nell'Elba, Torre San Giovanni, 370 m, 4.V.2014, 1 ex (ECO); Campo nell'Elba, Sant'Ilario, 90 m, 22.VI.2014, 1 ex (LFO); Marciana, Monte Perone, 640 m, 21.VI.2015, 1 ex (LFO). **Gorgona Island:** Ferro di Cavallo/Torre Vecchia, 8.V.2015, 1 ex (LFO). Notes. Either collected sweeping wild vegetation of fallow fields, or sifting litter at base of *Robinia pseudoacacia* L. New record for the Gorgona Island.

**Apionini Schoenherr, 1823**

***Apion frumentarium* (Linnaeus, 1758)**

Chorotype. **ASE**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 972, Elba); Porta (1932: 321, Elba), all quoted as *Apion miniatum* Germar, 1833.

Material examined. **Elba Island:** Portoferraio, San Giovanni, 10.VIII.2010, 3 exx (LFO); 7.X.2010, 3 exx (LFO); 24.X.2010, 1 ex (LFO); 4.XI.2010, 1 ex (LFO); 28.III.2012, 1 ex (LFO); 18.III.2016, 1 ex (LFO); Portoferraio, Acquabona/Monte Fabrello, 7.IX.2012, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 5.IV.2017, 3 exx (LFO); Capoliveri, Pian di Mola, 28.V.2011, 2 exx (LFO); Capoliveri, Lacona, 26.III.2012, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 6.VI.2013, 2 exx (LFO); 3.IV.2013, 2 exx (LFO); 11.III.2015, 2 exx (LFO); 12.III.2016, 6 exx (LFO); Porto Azzurro, beach and Mola marsh, 10.V.2014, 2 exx (LFO); 6.VI.2014, 2 exx (LFO).

Notes. Collected sweeping *Rumex* sp.

***Apion haematodes haematodes* (Kirby, 1808)**

Chorotype. **MED**

Material examined. **Elba Island:** Portoferraio, Valle di Lazzaro, 10.IV.2017, 1 ex (LFO); Campo nell'Elba, San Piero, 29.IV.2012, 4 exx (LFO); Capoliveri, Mola/Calanchiole, 6.VI.2013, 1 ex

(LFO); Campo nell'Elba, Torre San Giovanni, 370 m, 4.V.2014, 1 ex (ECO); Campo nell'Elba, Sant'Ilario, 300 m, 30.IV.2016, 1 ex (LFO).

Notes. Collected sweeping *Rumex* sp. New record for the Tuscan Archipelago.



Fig. 12f. *Perapion (Perapion) affine* (Kirby, 1808), dorsal view.



Fig. 12g. *Perapion (Perapion) affine* (Kirby, 1808), lateral view.

Catapiini Alonso-Zarazaga, 1990

***Catapion corsicum*** (Desbrochers, 1888)

Chorotype. **TIR**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 979, Elba); Porta (1932: 317, Elba), all quoted as *Apion corsicum*.

Material examined. **Elba Island:** Portoferraio, Volterraio-Cima del Monte, 15.VI.2013, 1 ex (LFO); Portoferraio, Albereto-Montebello, 1.I.2014, 1 ex (LFO); Portoferraio, Casa del Duca, 28.V.2014, 1 ex (LFO); Portoferraio, Colle Santa Lucia, 31.VII.2014, 1 ex (LFO); Portoferraio, Valle di Lazzaro, 10.IV.2017, 1 ex (LFO); Porto Azzurro, Mola, Lo Stipito, 2.III.2017, 1 ex (LFO); Capoliveri, Mola marsh, 2.IV.2016, 2 exx (LFO); Campo nell'Elba, Monte Maolo, 740 m, 22.VI.2014, 1 ex (LFO); Campo nell'Elba, Torre di San Giovanni, 90 m, 1 ex (LFO); Campo nell'Elba, San Piero, 10.VI.2012, 1 ex (LFO). **Giglio Island:** Strada del Dolce, 4.V.2016, 1 ex (LFO).

Notes. Collected beating *Trigonella* sp. New record for the Giglio Island.

***Catapion curtisii*** (Stephens, 1831)

Chorotype. **EUM**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 979, Elba); Porta (1932: 317, Elba), all quoted as *Apion curtulum* Desbrochers, 1870.

Material examined. None.

Notes. Species associated with *Hippocrepis* and *Onobrychis* (Ehret, 1990).



Fig. 13a. *Catapion pubescens* (Kirby, 1811), dorsal view. Length 2.00 mm.



Fig. 13a. *Catapion pubescens* (Kirby, 1811), dorsal view. Length 2.00 mm.

***Catapion pubescens*** (Kirby, 1811)

(Figs. 13a, 13b)

Chorotype. **WPA**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 979, Elba); Porta (1932: 316, Elba), all quoted as *Apion pubescens*.

Material examined. **Elba Island:** Portoferraio, Volterraio, 200 m, 5.V.2014, 1 ex (ECO); Portoferraio, Schiopparello-Le Prade, 17.V.2015, 1 ex (LFO); Rio, Le Panche-Volterraio, 330 m, 28.VI.2014, 1 ex (LFO); Capoliveri, Mola-Calanchiolo, 6.VI.2013, 1 ex (LFO); Capoliveri, Vigne Vecchie, 7.V.2017, 1 ex (LFO); Campo nell'Elba, road to Sant'Ilario, 5.VIII.2012, 1 ex (LFO). **Pianosa Island:** village surroundings, 6.V.2014, 1 ex (LFO), 1 ex (ECO).

Notes. Collected sifting under Fabaceae. New record for the Pianosa Island.

***Catapion seniculus*** (Kirby, 1808)

Chorotype. **WPA**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 979, Elba); Porta (1932: 317, Elba), all quoted as *Apion seniculus*.

Material examined. **Gorgona Island:** Torre Vecchia-Ferro di Cavallo, 29.VI.2015, 1 ex (LFO).

Notes. Collected sifting under Fabaceae. New record for the Gorgona Island.

Oxystomatini Alonso-Zarazaga, 1990

***Stenopterapion (Stenopterapion) tenue*** (Kirby, 1808)

Chorotype. **WPA**

Literature records. Luigioni (1929: 976, Elba as *Apion tenue*).

Material examined. **Elba Island:** Portoferraio, road to Condotto, 19.IV.2013, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 21.VI.2013, 1 ex (LFO); 18.V.2018, 2 exx (LFO); Portoferraio, Volterraio, 200 m, 5.V.2014, 1 ex (ECO); Portoferraio, San Giovanni, 15.IV.2016, 2 exx (LFO); Portoferraio, Buraccio, 11.X.2013, 1 ex (LFO); 18.III.2016, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 8.V.2014, 3 exx (LFO); 10.VI.2014, 1 ex (LFO); Portoferraio, Acquabona, 11.IV.2016, 1 ex (LFO); Portoferraio, Acquabona near artificial

lake, 12.V.2014, 4 exx (LFO); Portoferraio, Colle Reciso, 18.V.2014, 1 ex (LFO); Portoferraio, Punta della Rena, 9.VI.2014, 1 ex (LFO); Portoferraio, Valdana-Bivio Norsì, 27.V.2015, 11 exx (LFO); Portoferraio, Valle di Lazzaro, 10.IV.2017, 1 ex (LFO); Rio, Monte Arco, 22.IV.2014, 1 ex (LFO); Porto Azzurro, Mola, Lo Stipito, 2.III.2017, 1 ex (LFO); Capoliveri, Mola/Calanchiolo, 6.VI.2013, 1 ex (LFO); 31.V.2014, 2 exx (LFO); Capoliveri, Lacona, Pian di Lari, 17.XII.2013, 1 ex (LFO); Capoliveri, Lacona, beach, 28.V.2014, 1 ex (LFO); Capoliveri, Monte Calamita, 11.III.2015, 1 ex (LFO); Capoliveri, Mola marsh, 2.IV.2016, 1 ex (LFO); Capoliveri, road to Naregno, 3.IV.2016, 1 ex (LFO); Capoliveri, Vigne Vecchie, 7.V.2017, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 30.V.2016, 1 ex (LFO). **Giglio Island:** Campese, 5.V.2016, 1 ex (LFO).

Notes. Collected either sweeping wild vegetation of fallow fields or sifting under olive trees. New record for the Giglio Island.

***Ischnopterapion (Ischnopterapion) plumbeomicans plumbeomicans*** (Rosenhauer, 1856)

Chorotype. **EUM**

Literature records. Abbazzi, Maggini (2009: 125, Elba).

Material examined. None.

Notes. Weevil associated with *Lotus* (Ehret, 1990).

***Ischnopterapion (Ischnopterapion) fallens*** (Marseul, 1888)

Chorotype. **EUR**

Literature records. Holdhaus (1924: 115 as *Apion loti* Kirby, 1808 var. *fallens*).

Material examined. **Elba Island:** Campo nell'Elba, Bonalaccia, 6.VI.2016, 6 exx (LFO).

Notes. Collected beating *Lotus* sp.

***Ischnopterapion (Ischnopterapion) loti*** (Kirby, 1808)

Chorotype. **WPA**

Literature records. Luigioni (1929: 976, Elba as *Apion loti*).

Material examined. **Elba Island:** Portoferraio, Volterraio, 200 m, 5.V.2014, 1 ex (ECO).

Notes. Collected beating *Lotus* sp.

***Ischnopterapion (Ischnopterapion) modestum*** (Germar, 1817)Chorotype. **EUM**

Literature records. Abbazzi, Osella (1992: 287, Elba).

Material examined. **Elba Island:** Capoliveri, Norsis, 15.VII.2013, 1 ex (LFO); Capoliveri, Lacona, road to Colle Reciso, 17.XII.2013, 1 ex (LFO).

Notes. Gathered sifting under olive trees.

***Ischnopterapion (Chlorapion) virens*** (Herbst, 1797) (Fig. 14a)Chorotype. **PAL**Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 976, Elba), both as *Apion virens*.Material examined. **Elba Island:** Portoferraio, San Giovanni, 1.IX.2010, 1 ex (LFO); Portoferraio, Schiopparello-Le Prade, 31.V.2013, 1 ex (LFO); 17.V.2015, 4 exx (LFO); 3.XI.2015, 2 exx (LFO); Portoferraio, Terme di San Giovanni, 13.V.2014, 1 ex (LFO); 9.VI.2014, 1 ex (LFO); 6.XII.2014, 10 exx (LFO); 16.V.2015, 3 exx (LFO); 25.VI.2015, 2 exx (LFO); 18.V.2018, 6 exx (LFO). Portoferraio, Le Prade, 10.VI.2014, 1 ex (LFO); Portoferraio, Buraccio, 8.II.2015, (LFO), 1 ex; Porto Azzurro, Mola, 23.XI.2015, 1 ex (LFO); Capoliveri, Mola marsh, 2.IV.2016, 1 ex (LFO); Capoliveri, Vigne Vecchie, 7.V.2017, 1 ex (LFO).

Notes. Collected sweeping wild vegetation of fallow fields.

***Holotrichapion (Apiops) pisi*** (Fabricius, 1801)Chorotype. **PAL**Literature records. Razzauti (1921: 119, Elba); Holdhaus (1924: 115, Elba); Luigioni (1929: 975, Elba); Porta (1932: 309, Elba), all quoted as *Apion pisi*.Material examined. **Elba Island:** Portoferraio, San Giovanni, 7.X.2010, 1 ex (LFO); 28.III.2012, 1 ex (LFO); Portoferraio, La Casaccia, sfalcio incolto, 20.IV.2011, 1 ex (LFO); Portoferraio, Acquabona-Casine, 14.IV.2013, 1 ex (LFO); Portoferraio, Santa Lucia, 230 m, 15.IV.2013, 2 exx (LFO); Portoferraio, Condotto, 19.IV.2013, 1 ex (LFO); Portoferraio, Buraccio, 21.V.2013, 1 ex (LFO); 15.VI.2013, 3 exx (LFO); Portoferraio, Montefabbrello, 7.VI.2013, 1 ex (LFO); Por-toferraio, Terme di San Giovanni, 18.IV.2014, 2 exx (LFO); 21.III.2015, 2 exx (LFO); Portoferraio, Buraccio, 18.III.2016, 4 exx (LFO); Portoferraio, Valdana-Bivio Norsis, 27.V.2015, 1 ex (LFO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 1 ex (LFO); Rio, Volterraio-Le Panche, 9.V.2014, 1 ex (LFO); Porto Azzurro, Monserrato, 19.III.2016, 1 ex (LFO); Capoliveri, Mola, 19.IV.2012, 1 ex (LFO); Capoliveri, Monte Calamita, 9.V.2013, 1 ex (LFO); Capoliveri, road to Naregno, 3.IV.2016, 4 exx (LFO); Capoliveri, Monte Calamita, Serrone delle Rose, 31.VIII.2014, 6 exx (LFO); Campo nell'Elba, Monte Perone-S.Francesco, 26.IX.2012, 1 ex (LFO). **Giglio Island:** Capel Rosso, 9.IV.2016, 1 ex (LFO). **Pianosa Island:** village surroundings, 6.V.2014, 1 ex (ECO).Notes. Collected sweeping wild vegetation of fallow fields. New records for the Giglio Island and the Pianosa Island.***Holotrichapion (Holotrichapion) ononis*** (Kirby, 1808)Chorotype. **EUM**Material examined. **Pianosa Island:** 2.VI.2014, (LFO), 1 ex; Cala dell'Alga, 15.VI.2016, 1 ex (LFO).Notes. Collected sweeping wild vegetation of fallow fields. New record for the Tuscan Archipelago.***Holotrichapion (Legaricapion) gracilicolle*** (Gyllenhal, 1839)Chorotype. **SEU**Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 975, Elba); Porta (1932: 310, Elba e Giglio), all quoted as *Apion gracilicolle*.Material examined. **Elba Island:** Portoferraio, San Giovanni, 4.IV.2012, 1 ex (LFO); Portoferraio, Volterraio, 15.VI.2013, 1 ex (LFO); Portoferraio, Tre Acque, 2.V.2014, 1 ex (LFO); Portoferraio, Buraccio/Casa Galletti, 8.V.2014, 1 ex (LFO); Portoferraio, Buraccio, 9.IV.2017, 1 ex (LFO); Capoliveri, Gualdo, 5.IV.2011, 1 ex (LFO); Capoliveri, Monte Calamita SE slope, 2.XI.2013, 1 ex (LFO); Capoliveri, Monte Calamita, Serrone delle Rose, 31.VIII.2014, 4 exxFig. 14a. *Ischnopterapion (Chlorapion) virens* (Herbst, 1797), dorsal view. Photo courtesy of Francesco Sacco. Length 2.20 mm.

(LFO); Campo nell'Elba, San Piero, Fosso Bovalico, 5.VI.2004, 1 ex. (SCU); Campo nell'Elba, Vallebuia, 1.IV.2012, 1 ex. (LFO).

Notes. Collected sweeping Fabaceae.

***Holotrichapion (Legaricapion) aethiops*** (Herbst, 1797)

Chorotype. **PAL**

Literature records. Holdhaus (1924: 115, Elba); Porta (1932: 310, Elba), both as *Apion aethiops*.

Material examined. **Elba Island:** Portoferraio, La Casaccia, 20.IV.2011, 1 ex (LFO); Portoferraio, Buraccio, 18.III.2016, 4 exx (LFO); 9.IV.2017, 1 ex (LFO); Portoferraio, San Giovanni, 15.IV.2016, 3 exx (LFO); Portoferraio, Monte Orello, 2.V.2017, 1 ex (LFO); Rio, Monte Arco, 5.V.2014, (LFO), 1 ex; Porto Azzurro, Mola, Lo Stipito, 9.III.2017, 2 exx (LFO); Capoliveri, Mola/Calanchiole, 12.III.2016, 3 exx (LFO); Campo nell'Elba, Bonalaccia, 01.IV.2012, 1 ex (LFO).

Notes. Collected sweeping Fabaceae.

***Holotrichapion (Legaricapion) antennale*** (Desbrochers, 1896)

Chorotype. **MED**

Material examined. **Elba Island:** Viticcio, 13.V.1998, F. Angelini leg. 1 ex (ECO).

Notes. New record for the Tuscan Archipelago.

***Hemitrichapion (Dimesomyops) andalusiacum*** (Desbrochers, 1889) (Figs. 15a, 15b, 15c, 15d)

Chorotype. **WME**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa as *Hemitrichapion rapulum* (Wencker, 1864)).

Material examined. **Elba Island:** Portoferraio, Acquabona, 14.VI.2013, 1 ex (LFO); 12.V.2014, 1 ex (LFO); 15.VI.2016, 3 exx (LFO). **Pianosa Island:** Cala dell'Alga, 27.V.2013, L. Forbicioni, T. Collu leg, 1 ex (LFO); road to Il Marchese, 6.V.2014; Il Marchese, 11.IV.2015, 4 exx (LFO); Punta Secca, 7.IV.2014, E. Colonnelli, G. Meloni leg. 12 exx (ECO); road to Punta Secca, 11.IV.2015, 8 exx (LFO).

Notes. Already indicated as present in Italian regions of Tuscany and Sicily without more precise data by Mifsud, Colonnelli (2018). Besides

this from Tuscany, we have Italian records of this species, monophagous on *Coronilla valentina* L (Fabaceae), from Latium (Sperlonga, Rocca del Falco, 50 m, 20.III.2018 R. Casalini, E. Colonnelli, F. Sacco leg. several exx; surroundings of Salisano, 325 m, 15.IV.2018, R. Casalini, E. Colonnelli leg. several exx), and from Sicily (Monte Jato, ex galls on flowers of *Coronilla valentina*, 1/30.IV.2010, G. Cerasa leg. 2 exx). New record for the Tuscan Archipelago.

***Oxystoma pomonae*** (Fabricius, 1798) (Fig. 16a)  
Chorotype. **WPA**

Literature records. Holdhaus (1924: 114); Luigi (1929: 978, Elba); Porta (1932: 320), all quoted as *Apion pomonae*.

Material examined. **Elba Island:** Portoferraio, road Enfola/Sansone, 25.IV.2012, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 18.IV.2014, 1 ex (LFO).

Notes. Collected sweeping Fabaceae.



Fig. 16a. *Oxystoma pomonae* (Fabricius, 1798), dorsal view. Photo courtesy of Francesco Sacco. Length 3.20 mm.



Fig. 15a. Male of *Hemitrichapion (Dimesomyops) andalusiacum* (Desbrochers, 1889), dorsal view.



Fig. 15b. Female *Hemitrichapion (Dimesomyops) andalusiacum* (Desbrochers, 1889), dorsal view.



Fig. 15c. Male of *Hemitrichapion (Dimesomyops) andalusiacum* (Desbrochers, 1889), lateral view. Length 2.50 mm.



Fig. 15d. Female of *Hemitrichapion (Dimesomyops) andalusiacum* (Desbrochers, 1889), lateral view. Length 2.30 mm.



***Oxystoma dimidiatum*** (Desbrochers, 1897)

(Figs. 16b, 16c)

Chorotype. **EUR**

Material examined. **Elba Island:** Campo nell'Elba, Torre San Giovanni, 370 m, 4.V.2014, 1 ex (ECO); Campo nell'Elba, road to Sant'Ilario, 1.VI.2014, 2 exx (LFO); Campo nell'Elba, Monte Perone, Piana al Canale, 27.VI.2015, 5 exx (LFO); 28.VI.2015, 12 exx (LFO); Campo nell'Elba, Bonalaccia, 6.VI.2016, 1 ex (LFO); 28.V.2017, 3 exx (LFO).

Notes. Collected sweeping Fabaceae. New record for the Tuscan Archipelago.

***Oxystoma ochropus*** (Germar, 1818)Chorotype. **WPA**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 978, Elba); Porta (1932: 320, Elba), all quoted as *Apion ochropus*.

Material examined. **Elba Island:** Campo nell'Elba, road to Sant'Ilario, 5.VIII.2012, 1 ex (LFO).

Notes. Collected sweeping Fabaceae.

***Oxystoma craccae*** (Linnaeus, 1767)Chorotype. **PAL**

Literature records. Holdhaus (1924: 114); Porta (1932: 320), both as *Apion craccae*.

Material examined. None.

Notes. The presence on Elba Island of this species is very probable.

***Oryxolaemus scabiosus*** (Weise, 1889)Chorotype. **EUM**

Literature records. Abbazzi, Osella (1992: 289, Elba e Capraia); Giusto (1997: 332, Elba); Abbazzi, Maggini (2009: 126, Arcipelago Toscano).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 10.VIII.2010, 2 exx (LFO); Portoferraio, road to Enfola/Sansone, 25.IV.2012,



Fig. 16b. *Oxystoma dimidiatum* (Desbrochers, 1897), dorsal view. Length 3.00 mm.



Fig. 16c. *Oxystoma dimidiatum* (Desbrochers, 1897), lateral view. Length 3.00 mm.

(LFO), 3 exx; Portoferraio, Santa Lucia, 230 m, 15.IV.2013, (LFO), 2 exx; 15.VI.2013, 1 ex (LFO); Portoferraio, Monte Orello, 30.IV.2013, (LFO), 1 ex; Portoferraio, Monte Orzo, 50 m, 28.IV.2014, (LFO), 1 ex; Capoliveri, Monte Calamita, 24.IV.2012, (LFO), 2 exx; 24.IV.2015, (LFO), 1 ex; 2.IV.2016, 5 exx (LFO); Capoliveri, Monte Calamita, 9.V.2013, (LFO), 1 ex; Capoliveri, Monte Calamita, artificial dam on the Remaiolo stream, 23.VI.2013, (LFO), 1 ex; 21.VII.2014, (LFO), 3 exx; Capoliveri, Monte Calamita, Straccoligno, 345 m, 5.X.2013, Bellò, Chemello legg. 1 ex, (LFO); Capoliveri, Monte Calamita, 190 m, 4.V.2014, Bellò, Chemello legg. (LFO), 1 ex; Capoliveri, Monte Calamita, Le Cavallacce, 320 m, 13.VII.2014, (LFO), 2 exx; Capoliveri, Buzzancone, 13.II.2015, (LFO), 1 ex; Rio, Monte Arco, 5.V.2014, (LFO), 2 exx; Rio, Volterraio, 6.XII.2015, 1 ex (LFO); Porto Azzurro, Capo D'Arco, 5.V.2014, 1 ex (ECO); Campo nell'Elba, Vallebuia, 1.IV.2012, (LFO), 3 exx; Campo nell'Elba, road to Sant'Ilario, 5.VIII.2012, 1 ex (LFO); Campo nell'Elba, San Piero, 8.V.2013, (LFO), 2 exx; Campo nell'Elba, Sant'Ilario, 30.IV.2016, 1 ex (LFO); Campo nell'Elba, Torre San Giovanni, 370 m, 4.V.2014, 1 ex (ECO). **Giglio Island:** Mezzo Franco, 18.V.2012, 1 ex (LFO); Capel Rosso, 9.IV.2016, 18 exx (LFO); Capel Rosso, 160 m, 9.IV.2016, Bellò, Chemello, Forbicioni legg, 11 exx (LFO); Acqua Selvaggia, 9.IV.2016, 1 ex (LFO); Mezzo Franco, 9.IV.2016, 1 ex (LFO); Campese, 5.V.2016, 1 ex (LFO); Campese, road to Promontorio Mezzo Franco, 122 m, 9.IV.2016, Bellò, Chemello, Forbicioni legg, 1 ex (LFO); Fontuccia, 1.V.2014, 1 ex (ECO).

Notes. Rather common on branches of *Cytisus spinosus* (L.) Lam. or collected sifting under *Erica* spp. New record for the Giglio Island.

***Oryxolaemus flavifemoratus*** (Herbst, 1797)Chorotype. **SEU**

Literature records: Holdhaus (1924: 114, Elba); Luigioni (1929: 978, Elba), both as *Apion flavifemoratum*; Giusto (1997: 340, Elba e Capraia).

Material examined. **Elba Island:** Campo nell'Elba, San Piero, Piana del Canale, 23.IV.2017,

1 ex (LFO); Marciana, Colle d'Orano, 315 m, 8.X.2013, Bellò, Chemello legg, (LFO), 1 ex.

Notes. Collected on *Cytisus*, and occasionally sifting.

***Eutrichapion (Cnemapion) vorax*** (Herbst, 1797) (Figs. 17a, 17b)Chorotype. **PAL**

Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 976, Elba); Porta (1932: 311, Elba), all quoted as *Apion vorax*; Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Casaccia, 20.IV.2011, 2 exx (LFO); Portoferraio, Acquabona, 26.V.2011, 1 ex (LFO); 8.IX.2012, 3 exx (LFO); 11.IV.2016, 2 exx (LFO); Portoferraio, San Giovanni, 4.IV.2012, 2 exx (LFO); 15.IV.2016, 3 exx (LFO); Portoferraio, near Montefabbello, 8.V.2014, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 8.V.2014, 1 ex (LFO); Portoferraio, Colle Reciso, 18.V.2014, 1 ex (LFO); Portoferraio, Tre Acque, 10.IV.2015, 5 exx (LFO); 14.IV.2016, 1 ex (LFO); Portoferraio, Buraccio, 18.III.2016, 2 exx (LFO); 9.IV.2017, 1 ex (LFO); Portoferraio, Le Prade, 10.VI.2014, 1 ex (LFO); Porto Azzurro, Sanctuary of Monserrato, 6.VI.2014, 1 ex (LFO); Capoliveri, Pian di Mola, 21.III.2012, 1 ex (LFO); Capoliveri, Monte Calamita, 30.III.2014, L. Forbicioni, M. Mei legg. 4 exx (LFO); Capoliveri, Monte Calamita near the beacon, 11.III.2015, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 11.III.2015, 2 exx (LFO); 12.III.2016, 1 ex (LFO); Capoliveri, Mola marsh, 02.IV.2016, 1 ex (LFO); Capoliveri, road to Naregno, 3.IV.2016, 1 ex (LFO). **Capraia Island:** surroundings of the former prison, 143 m, 24.V.2014, Bellò, Chemello legg. 1 ex (LFO); Lo Stagnone, 325 m, 26.V.2014, Bellò, Chemello legg. 1 ex (LFO); La Lavanderia, 20.V.2016, 1 ex (LFO). **Giglio Island:** Campese, 5.V.2016, 1 ex (LFO). **Pianosa Island:** 12/14.IV.2012, 1 ex (LFO); road to Punta Secca, 7.V.2014, 1 ex (LFO).

Notes. Common pest species collected sweeping Fabaceae and sifting in garrigues at the edge of Mediterranean scrub. New record for the Capraia Island and the Giglio Island.



Fig. 17a. *Eutrichapion (Cnemapion) vorax* (Herbst, 1797), dorsal view. Length 2.20 mm.



Fig. 17b. *Eutrichapion (Cnemapion) vorax* (Herbst, 1797), lateral view. Length 2.20 mm.

*Eutrichapion (Eutrichapion) viciae* (Paykull, 1800) (Figs. 17c, 17d, 17e, 17f)

Chorotype. PAL

Material examined. **Elba Island:** Portoferraio, Santa Lucia, 31.V.2016, 1 ex (LFO); Capoliveri, road to Naregno, 3.IV.2016, 1 ex (LFO); Campo nell'Elba, Monte Perone, 600 m, Castagnone spring, Bellò, Chemello legg. 2 exx (LFO); Campo nell'Elba, Monte Maolo, 650 m, 1.VI.2014, 1 ex (LFO); Campo nell'Elba, San Piero, Piana al Canale, 28.IV.2015, 1 ex (LFO); 27.VI.2015, 2 exx (LFO); 28.VI.2015, 7 exx (LFO); 23.IV.2017, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 300m, 30.IV.2016, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 6.VI.2016, 5 exx (LFO).

Notes. Collected sweeping Fabaceae. New record for the Tuscan Archipelago.

*Eutrichapion (Phalacrolobus) melancholicum* (Wencker, 1864)

Chorotype. CAE

Literature records. Holdhaus (1924: 115, Elba); Schatzmayr (1922: Elba); Luigioni (1929: 977, Elba); Porta (1932: 314, Elba), all recorded as *Apion melancholicum*.

Material examined. **Elba Island:** Portoferraio, Volterraio/Macinino, 12.V.2013, 1 ex (LFO); Portoferraio, Volterraio/Cima del Monte, 15.VI.2013, 1 ex (LFO).

Notes. Collected sweeping Fabaceae.



Fig. 17c. Male of *Eutrichapion (Eutrichapion) viciae* (Paykull, 1800), dorsal view.



Fig. 17e. Female of *Eutrichapion (Eutrichapion) viciae* (Paykull, 1800), dorsal view.



Fig. 17d. Male of *Eutrichapion (Eutrichapion) viciae* (Paykull, 1800), lateral view.



Fig. 17f. Female of *Eutrichapion (Eutrichapion) viciae* (Paykull, 1800), lateral view.

## NANOPHYDAE Gistel, 1848

### Corimaliinae Alonso-Zarazaga, 1989

Corimaliini Alonso-Zarazaga, 1989

#### *Corimalia tamarisci* (Gyllenhal, 1838)

Chorotype. TUM

Material examined. **Elba Island:** Portoferraio, Schiopparello, 5.IX.2010, 1 ex (LFO); Portoferraio, Punta della rena, 10.VI.2013, 8 exx (LFO); 9.VI.2014, 1 ex (LFO); Portoferraio, Le Prade, 8.IV.2015, 2 exx (LFO); Porto Azzurro, Mola beach, 10.V.2014, 1 ex (LFO); Capoliveri, Mola, wet area, 3.V.2011, 2 exx (LFO); Capoliveri, Lacona beach, 4.V.2014, 2 exx (ECO).

Notes. Collected only by beating *Tamarix africana* Poir. New record for the Tuscan Archipelago.

#### *Allomalía quadrivirgata* (Costa, 1863)

(Figs. 18a, 18b, 18c)

Chorotype: CAM

Material examined. **Elba Island:** Portoferraio,

Schiopparello, 5.IX.2010, 2 exx (LFO); Portoferraio, Palude di Schiopparello, 17.II.2015, 9 exx (LFO); Portoferraio, Punta della Rena, 10.VI.2013, 3 exx (LFO); Porto Azzurro, Mola marsh, 29.IX.2015, 3 exx (LFO); Porto Azzurro, Mola beach, 29.VI.2015, 3 exx (LFO). **Pianosa Island:** village surroundings, 15.VI.2016, 4 exx (LFO).

Notes. Collected beating *Tamarix africana* Poir. New record for the Tuscan Archipelago.

#### *Hypophyes pallidulus* (Gravenhorst, 1807)

Chorotype. WME

Material examined. **Elba Island:** Portoferraio, Punta della rena, 10.VI.2013, 1 ex (LFO); Portoferraio, Schiopparello marsh, 17.II.2015, 1 ex (LFO); Porto Azzurro, Mola beach, 10.V.2014, 3 exx (LFO); 29.VI.2015, 2 exx (LFO); Porto Azzurro, Mola marsh, 29.XI.2015, 1 ex (LFO); Capoliveri, Mola, wet area, 3.V.2011, 1 ex (LFO).

Notes. Collected beating *Tamarix africana* Poir. New record for the Tuscan Archipelago.



Fig. 18a. *Allomalía quadrivirgata* (Costa, 1863), dorsal view. Length 2.00 mm.



Fig. 18b. *Allomalía quadrivirgata* (Costa, 1863), Elba Island habitats.

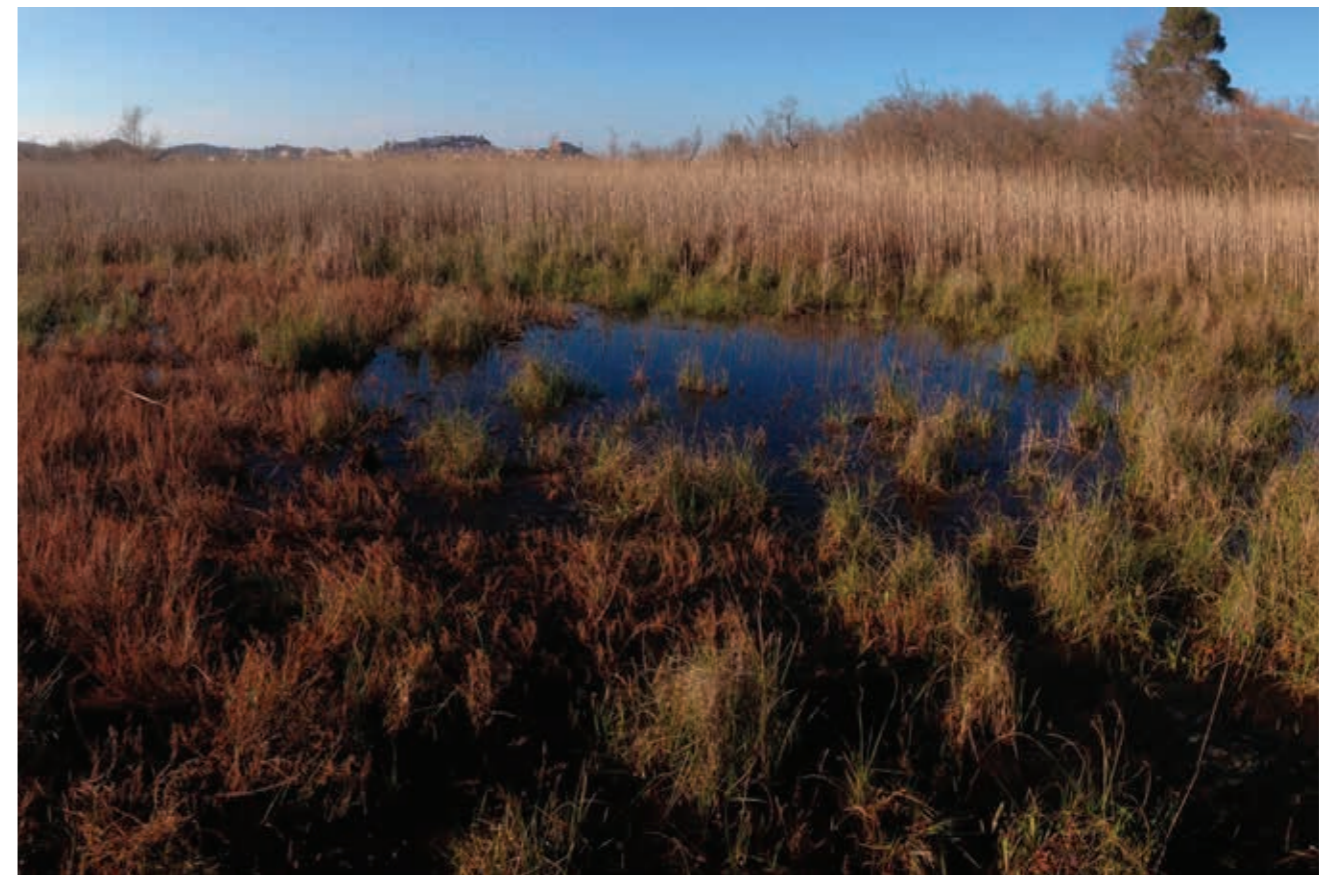


Fig. 18c. *Allomalía quadrivirgata* (Costa, 1863), Elba Island habitats 2.



Fig. 19a. *Nanodiscus transversus* (Aubé, 1850), dorsal view. Length 3.30 mm.



Fig. 19b. *Nanodiscus transversus* (Aubé, 1850), lateral view. Length 3.30 mm.

**Nanophyinae Gistel, 1848**

Nanophyini Gistel, 1848

***Nanodiscus transversus* (Aubé, 1850)**

(Figs. 19a, 19b, 19c)

Chorotype. **MED**

Literature records. Abbazzi *et alii* (2004: 68, Pianosa).

Material examined. **Elba Island:** Marciana, Punta Le Tombe, N42°44'09,0" E10°08'16,1", 24.V.2017, 7 exx (LFO). **Giannutri Island:** Vigna Vecchia, 10.IV.2016, 8 exx (LFO). **Pianosa Island:** Belvedere, 6.V.2014, 1 exx (ECO); Grotta delle Vacche, 6.V.2014, 2 exx (LFO); road to Il Marchese, 6.V.2014, 2 exx (LFO); Cala dei Turchi, 6.V.2014, Bellò leg, 3 exx (LFO); Cala di Biagio, 7.V.2014, 7 exx (ECO); road to Punta Secca, 7.V.2014, 4 exx (LFO); 11.IV.2015, 2 exx (LFO).

Notes. Rare species collected exclusively on *Juniperus phoenicea turbinata* (Guss.) Nyman. New record for the Elba Island and the Giannutri Island.

***Nanophyes rubricus* Rosenhauer, 1856**

(Fig. 20a)

Chorotype. **SEU**

Material examined. **Elba Island:** Portoferraio,



Fig. 19c. *Nanodiscus transversus* (Aubé, 1850), Pianosa Island habitats.

Tre Acque, 10.IV.2015, 1 ex (LFO); Capoliveri, Pian di Mola, 2.VI.2011, 1 ex (LFO); 21.III.2012, 2 exx (LFO); Capoliveri, Mola/Calanchiole, 31.V.2014, 5 exx (LFO); Capoliveri, Monte Calamita, dam on Remaiolo stream, 21.VII, 2014, 1 ex (LFO).

Notes. Uncommon on *Lythrum* sp. New record for the Tuscan Archipelago.

***Nanomimus hemisphaericus* (Olivier, 1807)**

Chorotype. **SEM**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 970, Elba); Porta (1932: 296, Elba); Magnano (1964: 143, Elba), all quoted as *Nanophyes hemisphaericus*.

Material examined. **Elba Island:** Capoliveri, Mola, wet area, 3.V.2011, 1 ex (LFO); Porto Azzurro, Mola marsh, 24.IX.2016, 1 ex (LFO).

Notes. Collected on *Lythrum* sp.

***Dieckmaniellus nitidulus* (Gyllenhal, 1838)**

Chorotype. **EUM**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 970, Elba); Porta (1932: 296, Elba) all quoted as *Nanophyes nitidulus*.

Material examined. **Elba Island:** Portoferraio, Terme di San Giovanni 13.V.2014, 1 ex (LFO); Capoliveri, Pian di Mola, 2.VI.2011, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 31.V.2014, 6 exx (LFO); Campo nell'Elba, Sant'Ilario, 300 m., 30.IV.2016, 1 ex (LFO).

Notes. Collected on *Lythrum* sp.



Fig. 20a. *Nanophyes rubricus* Rosenhauer, 1856, dorsal view. Length 3.30 mm.

***Ctenomeropsis nigra* (Waltl, 1835)**

Chorotype. **MED**

Literature records. Holdhaus (1924: 114, Elba); Luigioni (1929: 969, Elba); Porta (1932: 295, Elba), all quoted as *Nanophyes niger*.

Material examined. None.

Notes. Uncommon species developing on *Erica* spp.

## BRACHYCERIDAE Billberg, 1820

### Brachycerinae Billberg, 1820

Brachycerini Billberg, 1820

*Brachycerus undatus* (Fabricius, 1798)

(Figs. 21a, 21b)

Chorotype. **MED**

Literature records. Razzauti (1906: 114, Pianosa); Razzauti (1921: 118, Elba: Marciana); Holdhaus (1923: 110, Elba); Luigioni (1929: 896, Elba); Osella (1981a: 364, Giannutri); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio,

8.II.2008, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 23.V.2012, 1 ex (LFO); Porto Azzurro, Monserrato, 5.X.2013, 1 ex (resti) (LFO); Capoliveri, Monte Calamita, 30.III.2014, L. Forbicioni, M. Mei legg. 1 ex (LFO). **Giannutri Island:** Vigna Vecchia, 10.IV.2016, 4 exx (LFO). **Giglio Island:** Acqua Selvaggia, 17/19.V.2012, 1 ex (LFO).

Notes. Collected in the garrigue where bulbous monocotyledons are. On Elba Island, it was observed to feed on orchids, whereas on Giannutri Island was often seen feeding on leaves of *Charybdis maritima* (L) Speta. New record for the Giglio Island.



Fig. 21a. *Brachycerus undatus* (Fabricius, 1798) from Giannutri Island, dorsal view. Length 15.00 mm.



Fig. 21b. *Brachycerus undatus* (Fabricius, 1798) from Elba Island, lateral view. Length 15.00 mm.

## CURCULIONIDAE Latreille, 1802

### Entiminae Schoenherr, 1823

Gonipterini Lacordaire, 1863



Fig. 22a. *Gonipterus* sp., dorsal view. Length 7.00 mm.

*Gonipterus* sp. (Fig 22a, 22b, 22c)

Literature records. Mazza *et alii* (2012: 19, Montecristo as *Gonipterus scutellatus* Gyllenhal, 1833); Inghilesi *et alii* (2013: 22, Elba and Montecristo); Gilli (2018: 5, Elba and Montecristo), both quoted as *Gonipterus scutellatus* complex.

Material examined. **Elba Island:** Portoferraio, Antiche Saline, 9.VI.2014, 2 exx (LFO); 20.V.2015, 2 exx (LFO); 11.IX.2015, 5 exx (LFO); Portoferraio, Buraccio, 21.IV.2015, 1 ex (LFO); Portoferraio, San Giovanni, 1.VII.2017, 6 exx (LFO). **Montecristo Island:** near Villa del Custode, 2.IV.2014, 3 exx (LFO); Cala Maestra, 4.VI.2014, Roger Vila leg. 5 exx (LFO); 7.VI.2015, 2 exx (LFO); La Villa, 50 m, 1-3.X.2016, 13 exx (ECO).

Notes. Australian not yet described species developing on *Eucalyptus* spp., introduced and widespread in France and Italy and known until a few years ago as *Gonipterus scutellatus* Gyllenhal, 1833, which is actually a very similar relative (Mapondera *et alii* 2012).



Fig. 22c. *Gonipterus* sp. from Montecristo Island, on leaf of *Eucalyptus* sp.



Fig. 22b. *Gonipterus* sp., lateral view. Length 7.00 mm.

## Otiiorhynchini Schoenherr, 1826

***Dodecastichus dalmatinus*** (Gyllenhal, 1834)

(Figs. 23a, 23b, 23c, 23d)

Chorotype. **APD**

Literature records. Solari A. and Solari F. (1915: 289, Elba); Razzauti (1921: 118, Elba), both as *Otiiorhynchus dalmatinus* ab. *maculosus* Solari A. and Solari F., 1915; Holdhaus (1923: 109, Elba); Luigioni (1929: 853, Elba), both as *Otiiorhynchus dalmatinus* var. *maculosus*; Porta, 1932: 17, Elba as *Otiiorhynchus dalmatinus* ab. *maculosus*; Abbazzi, Maggini (2009: 127, Elba).

Material examined. **Elba Island:** Campo nell'Elba, Monte Perone, Castagnone, 5.VIII.2012, 1 ex (LFO); Campo nell'Elba, Monte Perone, Castagnone spring, 600 m, 4.V.2014, Bellò, Chemello leg. 1 ex (LFO); Campo nell'Elba, Monte Maolo, Sentiero delle Farfalle, 5.V.2018, 9 exx (LFO); Marciana, Punta Nera, 15.IV.1987, 1 ex (GOS); Marciana, 30.VIII.2005, F.Terzani leg. 2 exx (CAB); Marciana, Monte Capanne, near cableway, 500 m, 7.VII.2012, 1 ex (LFO); Marciana, Monte Perone, 640 m, 21.VI.2015, 1 ex (LFO); Marciana, Le Tombe, path no. 173, 27.V.2018, 3 exx (LFO). **Giglio Island:** Giglio Porto, 233 m, vaglio *Quercus* sp., 2.V.2014, Bellò, Chemello, Colonnelli, Meloni 1 ex (LFO); Pellaio, m 120, 2.V.2014, 6 exx (ECO).

Notes. Found in woods undergrowth, mainly beating ivy and ash, but also sifting under chestnut and oak trees. New record for the Giglio Island.

***Dodecastichus mastix*** (Olivier, 1801)Chorotype. **SEU**

Literature records. Holdhaus (1923: 109, Elba: Marciana as *Otiiorhynchus mastix*); Luigioni (1929: 853, Elba as *Otiiorhynchus mastix* v. *scabrior* Reitter, 1913); Porta (1932: 16, Elba as *Otiiorhynchus mastix*).

Material examined. None.

Notes. This is a doubtful record, since *D. mastix* is a species easy to confuse with the above cited *D. dalmatinus*.



Fig. 23a. Male of *Dodecastichus dalmatinus* (Gyllenhal, 1834), dorsal view. Length 9.50 mm.



Fig. 23b. Female of *Dodecastichus dalmatinus* (Gyllenhal, 1834), dorsal view. Length 9.50 mm.

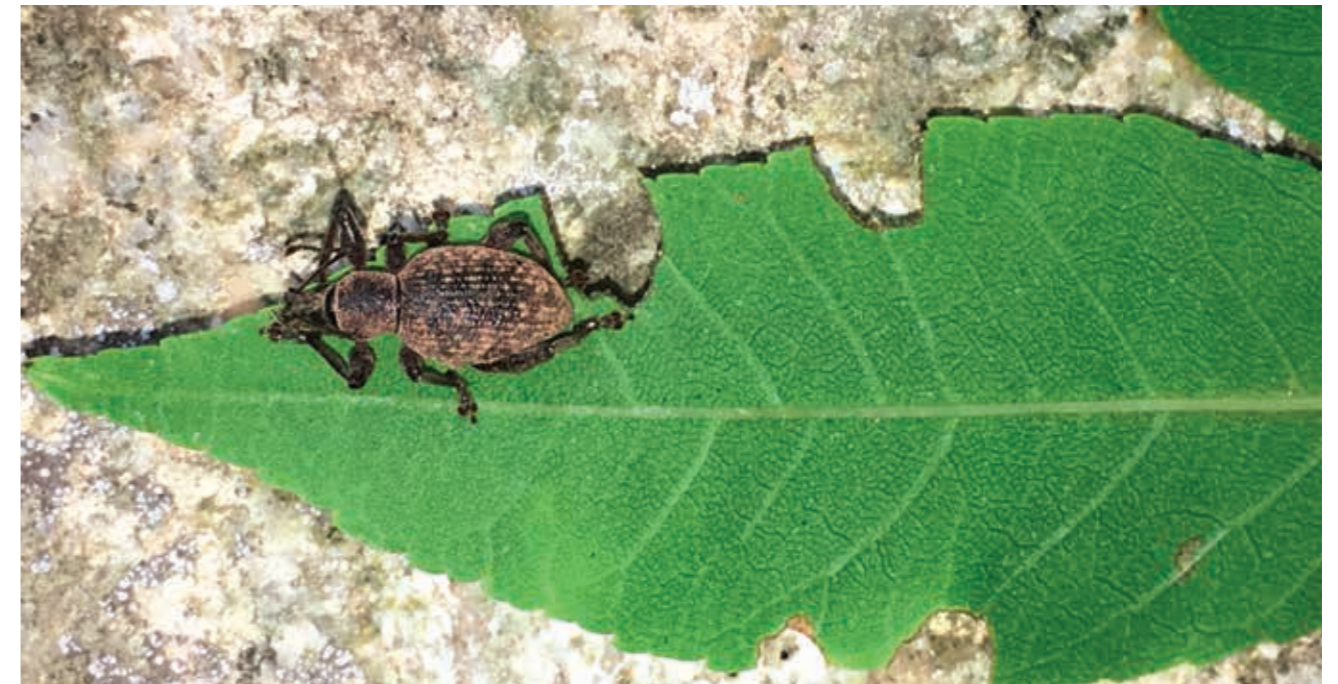


Fig. 23c. *Dodecastichus dalmatinus* (Gyllenhal, 1834) from Elba Island, on leaf.



Fig. 23d. *Dodecastichus dalmatinus* (Gyllenhal, 1834) from Elba Island, on enlarged leaf.

**Otiorrhynchus (Otiorrhynchus) aurifer** Boheman, 1843

Chorotype. **MED**

Literature records. Holdhaus (1923: 109, Elba); Luigioni (1929: 855, Elba); Porta (1932: 22, Elba); Colonnelli (1983a: 132, Elba).

Material examined. **Elba Island:** Portoferraio, 16.XII.2008, 1 ex (LFO); Portoferraio, Buraccio, 21.V.2013, 18 exx (LFO); Capoliveri, Mola/Calanchiole, 6.VI.2013, 3 exx (LFO); Capoliveri, Beach di Lacona, 1.IV.2014, M. Mei leg. 1 abdomen (LFO); Campo nell'Elba, Piana al Canale, 10.X.2018, 1 ex (LFO). Marciana, Le Tombe, path no. 173, 27.V.2018, 1 ex (LFO). **Giannutri Island:** 30.V.2002, V. Vignoli leg. 1 ex (LFO).

Notes. Several specimens were collected on branches of olive trees. New record for the Giannutri Island.

**Otiorrhynchus (Otiorrhynchus) armadillo** (Rossi, 1792)

Chorotype. **EUR**

Material examined. **Elba Island:** Capoliveri, Lacona, 250 m, 15-30.VI.2009, M. Trentini leg, 2 exx (ECO).

Notes. New record for the Tuscan Archipelago.



Fig. 24a. *Otiorrhynchus (Zustalestus) rugosostriatus* (Goeze, 1777), Giannutri Island habitats.

**Otiorrhynchus (Jelenatus) affaber** Boheman, 1843

Chorotype. **WME**

Literature records. Osella (1981a: 361, Giannutri); Abbazzi, Maggini (2009: 130, Giannutri).

Material examined. **Giannutri Island:** Isola di Giannutri, 14/20.V.1978, Gardini, Briganti, Benedetti, Torchia, Zoia legg, 1 exx (LFO), remains (ECO).

Notes. Notes. As for other weevils from Giannutri, this seems to be an introduced species - never recollected afterwards - along with ornamental not native plants or trees transplanted when Giannutri was heavily built during the seventies of the past century. *Otiorrhynchus affaber* is a flightless western Mediterranean species distributed in Italy in central and southern regions, Sicily and Sardinia (Abbazzi, Maggini, 2009).

**Otiorrhynchus (Zustalestus) rugosostriatus** (Goeze, 1777) (Fig. 24a)

Chorotype. **EUM**

Literature records. Holdhaus (1923: 109, Elba: Villa Napoleone); Luigioni (1929: 859, Elba); Porta (1932: 31, Elba).

Material examined. **Elba Island:** Portoferraio, Biodola. 150 m, 29.IX.2003, Bellò leg. 1 ex (GOS); Portoferraio, Albereto, 18.IX.2010, G. Frangini leg. 1 ex (LFO); 2.X.2010, 1 ex (LFO); 15.XI.2010, 1 ex (LFO); Portoferraio, downtown, 23.X.2011, 1 ex (LFO); Portoferraio, Buraccio, 14.IX.2014, 1 ex (LFO); Porto Azzurro, Mola marsh, 24.IX.2016, 1 ex (LFO); Porto Azzurro, Monserrato, 5.X.2013, 125 m, Bellò, Chemello legg. 1 ex (GOS); Capoliveri, Mola/Calanchiole, 31.V.2014, 1 ex (LFO); Campo nell'Elba, Monte Perone, Pieve S. Giovanni, 415 m. 5.X.2013, Bellò, Chemello legg. 1 ex (GOS). **Giannutri Island:** Vigna Vecchia, 10.IV.2016, 1 ex (LFO); 28.IV.2018, 1 ex (LFO).

Notes. New record for the Giannutri Island.

**Otiorrhynchus (Italorrhynchus) bartolozzii** Magrini, Meoli, Abbazzi, 2004 (Figs. 25a, 25b)

Chorotype. **ENT**

Literature records. Magrini *et alii* (2004: 107, Elba); Abbazzi, Maggini (2009: 133, Elba), both

as *O. (Lixorrhynchus) bartolozzii*.

Material examined. **Elba Island:** Porto Azzurro, Reale, Grotta dell'Orso, 21.III.2012, 1 ex and 5 remains (LFO), 3 remains (ECO); 5.V.2014, Bellò, Colonnelli, Forbicioni legg. 5 remains (LFO), 3 remains (ECO). 10.X.2019, Forbicioni, Cao-

duro legg., 1 ex and 1 remain (LFO).

Notes. Edaphic species, intere specimen and several remains of which have been collected by sieving soil taken from the cave at the type locality. Endemic of the Elba Island.



Fig. 25a. *Otiorrhynchus (Italorrhynchus) bartolozzii* Magrini, Meoli, Abbazzi, 2004 in cave. Length 5.20 mm.



Fig. 25b. *Otiorrhynchus (Italorrhynchus) bartolozzii* Magrini, Meoli, Abbazzi, 2004, research inside an Elba cave.

*Otiorhynchus (Italorrhynchus) giustii* (Osella, 1981) (Fig. 26a)

Chorotype. ENT

Literature records. Osella (1981: 355 Elba); Abbazzi, Osella (1992: 302, Elba); Abbazzi, Sforzi (2001: 260, Elba), all quoted as *Trogloorhynchus giustii*; Magrini *et alii* (2004: 108, Elba); Abbazzi, Maggini (2009: 133, Elba) both as *O. (Lixorrhynchus) giustii*.

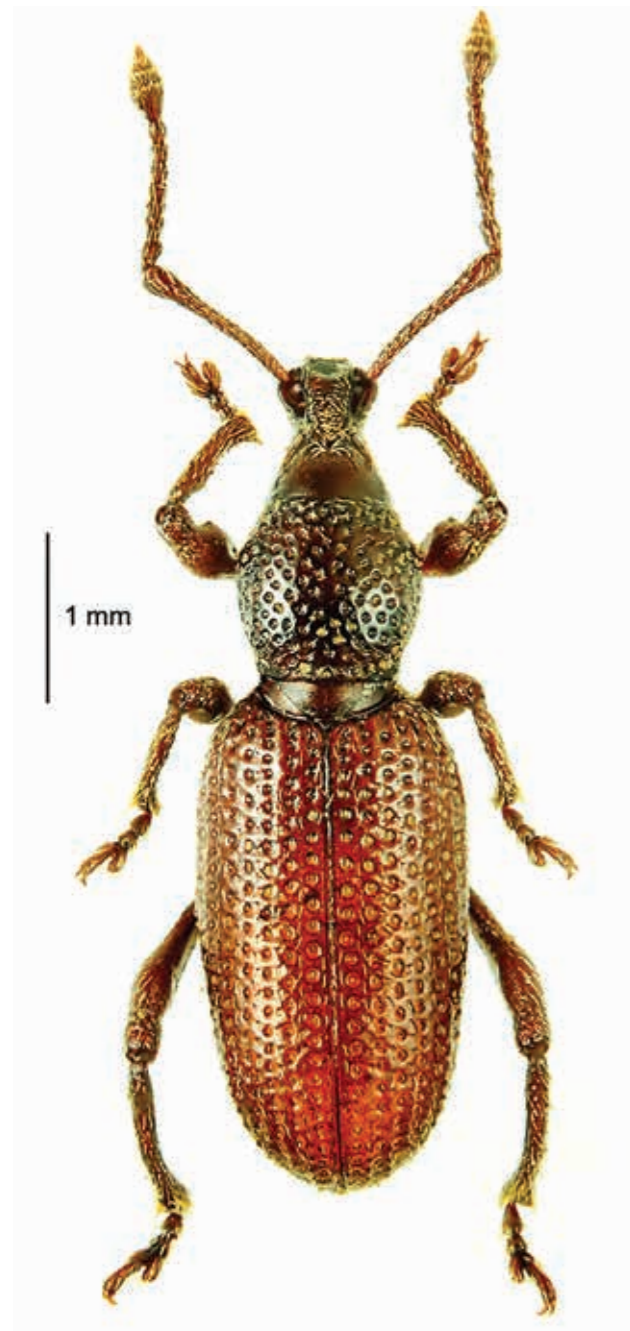


Fig. 26a. *Otiorhynchus (Italorrhynchus) giustii* (Osella, 1981), dorsal view. Photo courtesy of Paolo Magrini.

Material examined. **Elba Island:** Monte Perone, 23.II.1976, leg. Giusti, 1 ex Holotype (GOS).

Notes. While describing this species, Osella (1981: 359) quotes what communicated him by the collector of the single known specimen: “l'esemplare fu raccolto a circa 400 m di quota verso la sommità di un valloncetto sul versante nord del Monte Perone, sotto un masso interrato in un lembo di territorio litologicamente calcareo”. Despite careful searches in the collecting site, it was not possible to recollect this blind weevil, thus far endemic of the Elba Island.

*Otiorhynchus (Italorrhynchus) laurae* (Solari A. and Solari F., 1907) (Figs. 27a, 27b)

Chorotype. ENT

Literature records. Solari A. and Solari F. (1907: 471, Giglio); Luigioni (1929: 870, Giglio); Porta (1932: 56, Giglio), all quoted as *Trogloorhynchus laurae*; Abbazzi, Sforzi (2001: 261, Giglio), Abbazzi, Maggini (2009: 133, Giglio); Alonso-Zarazaga *et alii* (2017: 310, Giglio), all quoted as *O. (Lixorrhynchus) laurae*

Material examined. **Giglio Island:** Il Franco, 18.VII.2009, G. Caoduro leg, 10 exx (GOS); Campese, Promontorio Mezzo Franco, 122 m, N41°21'38,30" E10°52'36,51", 9.IV.2016, Bellò, Chemello, Forbicioni legg, 1 ex (LFO), 1 ex (ECO); Mezzo Franco, 3.V.2016, 2 exx (LFO).

Notes. Sifting leaf litter under *Quercus ilex* L. Endemic to the Giglio Island.

*Otiorhynchus (Metopiorrhynchus) gr. pupillatus* Gyllenhal, 1834 (Figs. 28a)

Chorotype. SEU

Material examined. **Elba Island:** Marciana, Colle d'Orano, 110 m, N42°47.027' E10°06.726, 8.X.2013, Bellò, Chemello legg. 1 ex (LFO).

Notes. Apparently an occasionally imported and not established weevil, the single specimen of which was collected sifting maquis litter.

Taxonomy of the several parthenogenetic species of the subgenus *Metopiorrhynchus* Reitter, 1912 is all but clear, for this reason this taxon is indicated here as *O. pupillatus* in broad sense.

New record for the Tuscan Archipelago.



Fig. 27a. *Otiorhynchus (Italorrhynchus) laurae* (Solari A. and Solari F., 1907), dorsal view. Length 3.30 mm.



Fig. 28a. Female of *Otiorhynchus (Metopiorrhynchus) pupillatus* Gyllenhal, 1834, *sensu lato*: in dorsal view of the single known specimen from Elba Island.



Fig. 27b. *Otiorhynchus (Italorrhynchus) laurae* (Solari A. and Solari F., 1907), lateral view. Length 3.30 mm.



*Otiorhynchus (Aranihus) frescati* Boheman, 1843

Chorotype. **SEU**

Material examined. **Elba Island:** Portoferraio, San Giovanni, 7.X.2010, 1 ex (LFO).

Notes. Sifting bushes surrounding a fallow field. New record for the Tuscan Archipelago.

*Otiorhynchus (Nehrodistus) armatus* Boheman, 1843 (Figs. 29a, 29b, 29c)

Chorotype. **APD**

Literature records. Holdhaus (1923: 109, Marciana); Luigioni (1929: 853, Elba); Porta (1932: 44, Elba), both as *Otiorhynchus corruptor* (Host, 1790) var. *armatus*; Magnano, Osella (1973: 624, Elba).

Material examined. **Elba Island:** Portoferraio, 9.XII.2008, 1 ex (LFO); Portoferraio, San Giovanni, 20.IX.2009, 1 ex (LFO); Portoferraio, Albereto, 15.XI.2010, G. Frangini leg. 1 ex (LFO); Portoferraio, downtown, 25.X.2011, 3 exx (LFO); 27.IX.2014, 1 ex (LFO); Portoferraio, Viale Elba, 16.IX.2010, 2 exx (LFO); Portoferraio, in a downtown old house, 15.IX.2014, 1 ex (LFO); Portoferraio, Via Reiter, downtown, 3.X.2017, 1 ex (LFO); Marciana, Sant'Andrea, 18.IX.2001, Bellò 2 exx (GOS, LFO); Marciana, Strada Civillina, 340 m, 1.IX.2013, 4 exx (LFO).

**Giglio Island:** Isola del Giglio, 23.5.1978, 1 ex. (GOS); Strada del Dolce, 4.V.2016, 2 exx (LFO).

Notes. Common pest species with nocturnal habits easily met while wandering on downtown walls, and often collected beating *Hedera helix*. New record for the Giglio Island.

*Otiorhynchus (Dorymerus) sulcatus* (Fabricius, 1775)

Chorotype. **EUR**

Literature records. Holdhaus (1923: 109, Elba; Poggio); Luigioni (1929: 864, Elba); Porta (1932: 43, Elba).

Material examined. **Elba Island:** Portoferraio, Colle Reciso, 2.X.2010, 1 ex (LFO); Campo nell'Elba, Monte Perone, Castagnone, 7.V.2013, 2 exx (LFO); 10.VI.2012, 1 ex (LFO); 5.X.2018, 1 ex (LFO); Campo nell'Elba, San Piero, 10.VI.2012, 1 ex (LFO); 19.X.2019, 2 exx



Fig. 29a. *Otiorhynchus (Nehrodistus) armatus* Boheman, 1843, dorsal view. Length 9.80 mm.

(ECO); Campo nell'Elba, Monte Perone, San Francesco, 26.IX.2012, 1 ex (LFO); 4.V.2014, 1 ex (LFO); 27.VII.2014, 1 ex (LFO).

Notes. Collected beating oaks and ashes.

*Otiorhynchus (Arammichnus) cribricollis* Gyllenhal, 1834

Chorotype. **SEU**

Literature records. Luigioni (1929: 869, Pianosa); Porta (1932: 51, Pianosa); Osella (1981a: 361, Giannutri); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Albereto, 15.IX.2010, G. Frangini leg. 1 ex (LFO); 19.IX.2010, 1 ex; 2.X.2010, 2 exx (LFO); 5.XI.2010, 1 ex (LFO); Portoferraio,



Fig. 29b. *Otiorhynchus (Nehrodistus) armatus* Boheman, 1843, Elba Island habitats.

io, Terme di San Giovanni, 12.IX.2012, 1 ex (LFO); Portoferraio, Acquabona, 14.VI.2013, 1 ex (LFO); Portoferraio, Viale Elba near Stazione Carabinieri, 22.X.2013, 1 ex (LFO). **Giglio Island:** near Il Castello, 15.VI.1980, F. Terzani leg. 1 ex (CAB). **Pianosa Island:** Pianosa, malaise trap, 15-26.IX.2000, F. Strumia leg. 3 exx (MSUC); 14.XI.2000-6.II.2001, 2 exx (MSUC), 3-21.VI.2001, 2 exx (MSUC); Cala dell'Alga, 27.V.2013, 4 exx (LFO); village surroundings, 12.X.2013, 4 exx (LFO), 6.V.2014, 1 ex (LFO), 3 exx (ECO); Cala dei Turchi, 6.V.2014, Bellò, Chemello leg. 3 exx (LFO); Grotta delle Vacche, 7.X.2013, N42°36'103" E010°05'170", vaglio lentisco, Bellò, Chemello 2 exx (GOS).

Notes. Collected under stones, night beating and



Fig. 29d. *Hedera elix* eaten by *Otiorhynchus (Nehrodistus) armatus* Boheman, 1843.

by sifting under *Pistacia lentiscus* L. New record for the Giglio Island.

*Otiorhynchus (Arammichnus) juvenus juvenus* Gyllenhal, 1834

Chorotype. **WME**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Capoliveri, Lacona beach, 12.VIII.2011, 5 exx (LFO); 13.VIII.2012, 9 exx (LFO); 9.IV.2014, 1 ex (LFO).

Notes. Collected at night on *Echinophora spinose* L. New record for Elba Island.



Fig. 30a. *Otiorynchus (Arammichnus) cribricollis* Gyllenhal, 1834 (A) compared with *Otiorynchus (Arammichnus) sp.* (B), dorsal view. Length B 7,4 mm; A 6,6 mm.



Fig. 30b. *Otiorynchus (Arammichnus) cribricollis* Gyllenhal, 1834 (A) compared with *Otiorynchus (Arammichnus) sp.* (B), lateral view. Length A 6,6 mm; B 7,4 mm.

***Otiorynchus (Arammichnus) sp.***

(Figs. 30a, 30b)

Literature records. Osella 1981a: 361 as *Otiorynchus cribricollis*.

Material examined. **Giannutri Island:** Vigna Vecchia, 10.IV.2016, 2 exx (LFO); ibidem, 42°14.956'N 11°06.006'E, 10.VI.2016, Bellò, Chemello, Forbicioni legg. 6 resti (LFO).

Notes. As for *O. affaber* above, this is apparently an introduced perhaps Sicilian species, the identity of which was not possible to determine with the material at hand. It was collected sifting under *Pistacia lentiscus* L.

***Otiorynchus (Arammichnus) tuscoinsularis***

Magnano, 1992 (Figs. 31a, 31b, 31c)

Chorotype. ENT

Literature records. Magnano (1992: 392, Cerboli, Prima Formica di Grosseto, Formica Grande di Grosseto, Formica di Burano, Giannutri); Abbazzi, Sforzi (2001: 259 Cerboli, Prima Formica di Grosseto, Formica Grande di Grosseto, Formica di Burano, Giannutri); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Cerboli Islet:** 28.VIII.2015, 1 ex + 4 remains (LFO). **Palmaiola Islet:** 1 abdomen (LFO). **Pianosa Island:** Punta dei Bagni, N42°35.41' E10°05.33', 6.V.2014, Bellò, Chemello legg, 4 abdomens (LFO); Cala Giovanna, N42°35.012' E10°05.738', 7.V.2014, Bellò, Chemello, Colonnelli, Meloni legg, 1 ex + 2 re-



Fig. 31a. *Otiorynchus (Arammichnus) tuscoinsularis* Magnano, 1992, dorsal view. Length 7.10 mm.



Fig.31b. *Otiorynchus (Arammichnus) tuscoinsularis* Magnano, 1992, lateral view. Length 7.10 mm.



Fig. 31c. *Otiorhynchus (Arammichnus) tuscoinsularis* Magnano, 1992, Pianosa Island habitats.

mains (LFO); Punta Secca, 7.V.2014, 1 abdomen (LFO); 4.I.2015, 1 ex + 2 remains, (LFO); Cala dell'Alga, 15.VI.2016, 2 remains (LFO).  
Notes. Sifting under *Sedum*, *Lentiscus*, *Thymelea* and *Glaucium*. New record for the Palmaiola Islet

Peritelini Lacordaire, 1863

***Meira tedeschi*** Pierotti, 2014

(Figs. 32a, 32b, 32c, 32d)

Chorotype. ENT

Literature records. Pierotti (2014: 293, Elba); Pierotti (2016a: 56-57, Elba); Pierotti (2017a: 341, Elba).

Material examined. **Elba Island:** Capoliveri, Innamorata, 150 m, 25.II.2012, leg. Tedeschi 1 ex paratipo (MTE); Capoliveri, Innamorata, 150 m, 26.XI.2013, leg. Diotti (LDI, 1 ex.), leg. Forbicioni (LFO, 6 exx.), leg. Pierotti (GOS, 1 ex); leg. Tedeschi (MTE, 5 exx.); Capoliveri, Monte Calamita, Capanna di Gustavo, 167 m, 26.XI.2013, Forbicioni leg, 1 ex (ECO) (all quoted paratipi); Capoliveri, Ripe Alte, 27.XI.2013, leg. Forbicioni, 4 exx paratipi (LFO); Capoliveri, monte Calamita, c/o near fire-fighting pool, 340 m, 7.X.2013, leg. Bellò, 4 exx paratipi (CBE); Capoliveri,

Monte Calamita, Pontimento, 45°43'56" N 10°22'54" E, 8.I.2014, leg. Forbicioni 2 exx paratipi (LFO); Capoliveri, Monte Calamita, Calone, 45°43'24" N 10°24'47" E, 8.I.2014, leg. Forbicioni, 1 ex paratipo (LFO); Capoliveri, Monte Calamita, 190m, N42°43.490' E010°22.904', vaglio *Lavandula*, *Pistacia*, *Asphodelus*, 4. V. 2014, legg. Bellò, Chemello, Colonnelli, Meloni, Forbicioni, 8 exx (CBE); Capoliveri, Monte Calamita, Capanna di Gustavo, 160 m, 4.V.2014, 1 ex (ECO); Capoliveri, Straccoligno, vaglio, 2. VII. 2014, L. Forbicioni leg. 1 ex (CBE); Capoliveri, Monte Calamita, versante nord, 31.VIII. 2014, 1 ex (LFO); Capoliveri, Monte Calamita, Miniera del Ginevro, 28.IX.2014, 1 ex (LFO); Capoliveri, Monte Calamita, 320m, 24.IX.2016, 7 exx (LFO); Capoliveri, Monte Calamita, 310 m, near fire pit, 42°43'33,1"N 10°24'20,3"E, 02.VII.2017, 5 exx (LFO); Capoliveri, Monte Calamita, Poggio Fino, 25.IX.2017, 5 exx (LFO); Capoliveri, Monte Calamita, 320m, near fire pit, 42°43'30,0"N 10°24'19,7"E, 30.IX.2018, 17 exx (LFO).

Notes. Species known only from the Elba Island where it was collected mainly sifting under *Lavandula stoechas* L.



Fig. 32a. *Meira tedeschi* Pierotti, 2014 male, dorsal view. Length 2.30 mm.



Fig.32b. *Meira tedeschi* Pierotti, 2014 female from Elba Island, dorsal view. Length 2.30 mm.



Fig. 32c. C. Bellò, M.S. Chemello, E. Colonnelli, G. Meloni sifting and looking for *Meira tedeschi* Pierotti, 2014 on Elba Island.



Fig. 32d. *Meira tedeschi* Pierotti, 2014, Elba Island habitats.



Fig. 33a. *Meirella florentina* (Stierlin, 1884), Giglio Island habitats.



Fig.33b. Litter containing many *Meirella florentina* (Stierlin, 1884) later extracted with Winkler method and habitats on Giglio Island.

***Meirella florentina*** (Stierlin, 1884)

(Figs. 33a, 33b)

Chorotype. **WME**

Literature records. Solari (1955: 63, Giglio); Abbazzi, Osella (1992: 303, Giglio); Bordoni (1995, Giglio), all quoted as *Meira suturella*; Pierotti (2013b: 351 e 2017a: 341), both as *Meirella florentina* (Stierlin, 1885).

Material examined. **Giglio Island:** Isola del Giglio, X. 1897-1898, G. Doria leg, 1 ex (MSNG); Isola del Giglio, III-IV. 1902, G. Doria leg, 1 exx (MSNG); Isola del Giglio, X-VII. 1907, G. Doria leg, 22 exx (MSNG); Isola del Giglio, 9-17. IV. 1974, G. Gardini leg, 2 exx (MSNG); Giglio Castello, road to Campese, 185m, vaglio macchia, 42°22.15'N, 10°53.23'E, 02.V.2014, Bellò, Chemello, Colonnelli, Meloni legg. 1 ex (CBE); Giglio Porto, 233 m, vaglio *Quercus* sp., 42°22.407'N, 10°53.994'E, 02.V.2014, Bellò, Chemello, Colonnelli, Meloni legg. 8 exx (CBE); Punta Capel Rosso, 160m, vaglio macchia mediterranea con *Erica* sp., 42°19.576'N, 10°54.921'E, 09.IV.2016, Bellò, Chemello, Forbicioni legg. 46 exx (CBE, ECO, LFO); Poggio della Pagana, 507 m, vaglio macchia mediterranea con *Erica* sp., 42°20.963'N, 10°54.32013'E, 09.IV.2016, Bellò, Chemello, Forbicioni legg. 26 exx (CBE); road to Giglio Porto, 170m, Arenella, vaglio vallecicola in ex coltivi, 42°22.033'N 10°54.394'E, 10.VI. 2019, Bellò, Chemello legg, 21 exx (CBE) Campese, Il Franco, 150 m, sifting *Pistacia* litter, road edges, 42°21.663'N 10°52.543'E, 10.VI. 2019, Bellò, Chemello legg, 1ex (CBE).

Notes. Described from Tuscany without precise locality, this species, according to Pierotti (2013: 64) as *Meirella elongatula* (Fairmaire, 1859) "form" *florentina*, is widespread along the northwestern Mediterranean coast from Latium in Italy to Catalonia in Spain, and was found by us quite common by sifting litter under *Quercus ilex* L. or degraded Mediterranean scrub in different locations on Giglio Island.

Despite its Mediterranean distribution, and the careful field research, it was not possible to find it on Elba Island or in any other islands of the archipelago.

***Heteromeira caprasiae*** (F. Solari, 1933)

(Figs. 34a, 34b)

Chorotype. **ENC**

Literature records. Solari (1933: 161, Elba and Capraia as *Peritelus variegatus* ssp. *caprasiae*; Porta (1934: 187, Elba and Capraia as *Peritelus variegatus* var. *caprasiae*); Abbazzi, Sforzi (2001: 263, Elba and Capraia); Abbazzi, Maggini (2009: 141, Elba and Capraia); Pierotti (2011: 227, Elba and Capraia).

Material examined. **Elba Island:** Campo nell'Elba, Monte Maolo, 650 m, 6.VI.2017, 1 ex, (LFO); Campo nell'Elba, Valle della Nivera, 470 m, 3.XI.2013, Forbicioni leg. 1 ex (CBE); Marciana, Monte Capanne, San Cerbone, 480 m, 17.IX.2001, 1 ex (CBE); Marciana, Poggio Vicinale del Tenditoio, 31.X.2014, Forbicioni leg. 2 exx (CBE), 1 ex (LFO); Marciana, Poggio, 12.X.2015, Bellò, Chemello legg. 1 ex (CBE); Marciana, Monte Capanne above Santuario Madonna del Monte, N42°47'32,6" E10°09'06,2", 21.V.2017, Forbicioni leg. 1 ex (LFO), 1 ex (CBE). **Capraia Island:** Stagnone, 300 m, 14. IX. 1992, 6 exx (CBE); Vado del Porto, 14.IX.1992, 3 exx (CBE), 1 ex (ECO); Il Piano, 13.IX.1992, 4 exx (CBE); Cala Zurletto, 16.IX.1992, 4 exx (CBE); ex carcere, 15.IX.1992, 5 exx (CBE); Le Mandrie, 2.X.2003, 1 ex (CBE); Cala Zurletto, 69 m, N43°02.683' E9°50.811', 25.V.2014, Bellò, Chemello legg, 4 exx. (CBE); Vado del Porto, N43°02.715' E9°50.040', 25.V.2014, Bellò, Chemello legg, 1 ex. (CBE); former prison entrance, 67 m, N43°02.967' E9°49.7127', 24.V.2014, Bellò, Chemello legg, 18 exx. (CBE); Lo Stagnone, 325 m, N43°02.25' E9°49.34', 26.V.2014, Bellò, Chemello legg, 2 exx. (CBE); Il Piano, 112 m, N43°02.292' E9°49.960', 24.V.2014, Bellò, Chemello legg, 4 exx. (CBE); Il Piano, Santo Stefano, 135 m, N43°02.715' E9°50.040', 25.V.2014, Bellò, Chemello legg, 8 exx. (CBE); Lo Stagnone, 330 m, N43°02'26.51" E9°48'34.75", 22.V.2016, Bellò, Chemello, Forbicioni legg, 3 exx. (CBE); path to Piana dello Zenobito, Vado della Garbicina, 73 m, N43°01'14.80" E9°49'20.02", 23.V.2016, Bellò, Chemello, Forbicioni legg, 5 exx. (CBE); Belvedere near the village, 50 m,



Fig. 34a. *Heteromeira caprasiae* (F. Solari, 1933), Capraia Island habitats.



Fig.34b. Habitats of *Heteromeira caprasiae* along Tenditoio path of Capanne Mount, Elba Island.

N43°02.760' E9°50.723', 21.V. 2016, Bellò, Chemello, Forbicioni legg, 7 exx. (CBE); road to Lo Stagnone, W ridge of Monte Penne, 375 m, N43°02'38.86" E9°48'34.93", 22.V.2016, Bellò, Chemello, Forbicioni legg, 4 exx. (CBE); path to Piana dello Zenobito, Vado del Casalino, 137 m, N43°01'33.86" E9°49'43.51", 23.V.2016, Bellò, Chemello legg, 5 exx. (CBE); road to La Mortola, 230 m, N43°03.626' E9°46.362', 20.V.2016, Bellò, Chemello, Forbicioni legg, 1 ex. (CBE); Fosso di Portovecchio, N43°03.377' E9°49.283', 20.V.2016, Bellò, Chemello, Forbicioni legg, 1 ex. (CBE); Belvedere, 21.V.2016, 1 ex (LFO); near former prison entrance, N43°02.952' E9°49.714', 20-23.V.2016, Bellò, Chemello, Forbicioni legg, 40 exx (CBE), 2 exx (LFO).

Notes. The species is distributed in Corsica, Capraia and Elba Islands (Pierotti, 2011), in the latter of which, after the historical records by Andreini, Mancini and Paganetti, was found by us in different localities sifting litter taken from under *Castanea sativa* Mill., *Pistacia lentiscus* L. or from maquis.

***Pseudomeira abazzii*** Pierotti, Forbicioni, 2015 (Figs. 35a, 35b, 35c, 35d, 35e, 35f)  
Chorotype. ENT

Literature records. Abbazzi *et alii* (2004: 69, Pianosa as *Pseudomeira* sp. prope *sardoa* e *Pseu-*



Fig. 35a. Male of *Pseudomeira abazzii* Pierotti, Forbicioni, 2015, dorsal view. Length 2.90-4.30 mm.



Fig. 35b. Male of *Pseudomeira abazzii* Pierotti, Forbicioni, 2015, lateral view. Length 2.90-4.30 mm.



Fig. 35c. *Pseudomeira abazzii* Pierotti, Forbicioni, 2015, parthenogenetic population of Pianosa Island.



Fig. 35d. *Pseudomeira abazzii* Pierotti, Forbicioni, 2015 from Pianosa Island.



Fig. 35e. C. Bellò, M.S. Chemello, E. Colonnelli, G. Meloni searching for *Pseudomeira abbazzii* Pierotti, Forbicioni, 2015 on Pianosa Island.



Fig. 35f. Habitats of *Pseudomeira abbazzii*, Pierotti, Forbicioni, 2015 on Pianosa Island.

*domeira* sp. prope *rudis*); Pierotti, Forbicioni (2015: 35, Pianosa); Pierotti (2016b: 10, Pianosa).

**Materiale esaminato - Pianosa Island:** Punta Bagni, 7.X.2013, legg. Bellò, Chemello (CBE, 1 ex paratipo); Grotta delle Vacche, 7.X.2013, N 42°36.103' E 010°05.170', legg. Bellò, Chemello (CBE, 11 exx paratipi); Grotta delle Vacche, 6.V.2014, N 42°35.112' E 010°05.166', legg. Bellò, Chemello, Colonnelli, Meloni, Forbicioni

(CBE, 3exx; ECO, 2exx; LFO, 2exx: all quoted paratipi); Grotta delle Vacche, 06.V.2014, leg. L. Forbicioni (LFO, 1 ex; MZUF, 2exx: all quoted paratipi); Grotta delle Vacche, 7.V.2014, legg. Bellò, Chemello, N 42°35.946' E 010°05.928' (CBE, 12 exx; ECO, 4 exx; LFO, 4 exx: all quoted paratipi); Cala Giovanna, 7.V.2014, N42°35.012' E010°05.738', legg. Bellò, Chemello (CBE, 4 exx, paratipi); ibidem, 7.V.2014, legg. Bellò, Chemello, Colonnelli, Meloni, Forbicioni (ECO,

3 exx; LFO, 3 exx: all quoted paratipi); Cala di Biagio, 7. V. 2014, E. Colonnelli leg. 1ex (CBE); Punta Secca, 42°34'33"N 10°05'59"E, L. Forbicioni, M. Mei legg. 7exx (CBE); Punta Secca, su *Coronilla valentina*, 02. VI. 2014, L. Forbicioni leg, 9 exx (CBE); Il Marchese, vaglio, 42°37'00.9"N 10°05'01.4"E, L. Forbicioni leg, 1ex (CBE); Cala dell'Alga, 15.VI.2016, 18 exx (LFO); ibidem, 2 exx (SCU).

**Notes.** Both *Pseudomeira* reported for the Pianosa Island by Abbazzi *et alii* (2004) turned out to be *P. abbazzii*, a species collected sifting under *Pistacia lentiscus* L. and *Thymelaea hirsuta* (L.), or beating *Osyris alba* L. and *Coronilla valentina* L.

***Pseudomeira bartolii*** Bellò, Pesarini, Pierotti, 1997 (Figs. 36a, 36b, 36c)

**Chorotype.** ENT

**Literature records.** Razzauti (1921: 118, Gorgona); Luigioni (1929: 873, partim, Gorgona); Porta (1932: 64, partim, Gorgona), both as *Peritelus rudis* Boheman; Bellò *et alii* (1997: 69, Gorgona); Abbazzi, Maggini (2009: 141, Gorgona); Pierotti, Forbicioni (2015: 36, Gorgona); Pierotti (2016b: 10, Gorgona).

**Material examined. Gorgona Island:** Isola Gorgona, 18.VIII.1907, A. Andreini leg, holotype (MSNM); Isola Gorgona, 23.9.1992, Bellò,



Fig. 36a. *Pseudomeira bartolii* Bellò, Pesarini, Pierotti, 1997, dorsal view. Length 2.90 mm.



Fig. 36b. *Pseudomeira bartolii* Bellò, Pesarini, Pierotti, 1997, lateral view. Length 2.90 mm.



Fig. 36c. Habitats of *Pseudomeira bartolii* Bellò, Pesarini, Pierotti, 1997 on Gorgona Island.

Pierotti legg, 40 exx paratipi (CBE); Gorgona, 29.IX.1992, C. Bellò leg, 1 ex (ECO); olive grove above the village, 7-8.V.2015, 5 exx (LFO); Torre Vecchia/Ferro Cavallo, 8.V.2015, 10 exx (LFO); 29.VI.2015, Forbicioni leg, 5 exx (CBE), 1 ex (LFO).

Notes. This species, only known from the Gorgona Island, has been collected sifting *Pistacia lentiscus* L. litter or beating Asteraceae.

***Pseudomeira holdhausi*** (A. and F. Solari, 1907) (Figs. 37a, 37b, 37c, 37d)

Chorotype. **END**

Literature records. Solari A. and Solari F. (1907: 118, Elba); Razzauti (1921: 118, Elba); Holdhaus (1923: 110, Elba: Villa Napoleone e Poggio); Luigioni (1929: 873, partim, Elba); Porta (1932: 64, partim, Elba), all quoted as *Peritelus*

*holdhausi*; Osella (1981: 362, Giannutri as *Pseudomeira* sp.); Abbazzi, Osella (1992: 304, Elba e Giannutri); Abbazzi, Sforzi (2001: 264, Elba); Abbazzi, Maggini (2009: 142, Elba, Capraia, Gorgona, Pianosa); Pierotti (2013a: 50, Elba); Pierotti (2013b: 132, Elba).

Material examined. **Elba Island:** Portoferraio, Villa Napoleone, 6. X.1988, 35 exx (CBE); Portoferraio, Acquabona, 8.XII.2010, 1 ex (LFO); Portoferraio, Monte Orello, 29.III.2013, Forbicioni, leg, 1 ex (CBE), 2 exx (LFO); 10.XII.2013, Forbicioni leg. 1 ex (CBE); 10.XII.2013, Forbicioni leg. 2 exx (CBE); 280 m, 10.XII.2013, 4 exx (LFO); 2.V.2017, 3 exx (LFO); 4.VI.2017, 10 exx (LFO); 7. VII. 2017, Forbicioni leg. 3 exx (CBE); Portoferraio, Monte Orello, German WW2 bunker, 370 m, 7.VII.2017, 4 exx (LFO); Portoferraio, Monte Orello above Pic-



Fig. 37a. *Pseudomeira holdhausi* (A. and F. Solari, 1907) (specimen of Elba Island, Orello Mount), dorsal view. Length 3.00-4.20 mm.



Fig. 37b. *Pseudomeira holdhausi* (A. and F. Solari, 1907) (specimen of Elba Island, Orello Mount), lateral view. Length 3.00-4.20 mm.

chiaie, 200 m, N42°46'58,9" E10°19'41,6", 4.V.2017, 1 ex (LFO); Portoferraio, Buraccio ditch, 1.X.2013, Forbicioni leg. 4 exx (CBE); 11.X.2013, 15 exx (LFO); Portoferraio, Biodola, 150 m, 29 IX.2013, 18 exx (CBE); Portoferraio, road to Volterraio, 75 m, N42°48.031' E10°22.140', 5.X.2013, Bellò, Chemello 6 exx (CBE); Portoferraio, Colle Reciso, La Cavetta, 29.X.2013, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 8.V.2014, Forbicioni leg. 1 ex (CBE); Portoferraio, Buraccio, N42°46'45" E10°21'23", 14.IX.2014, Forbicioni leg. 4 exx (CBE); 1.XI.2015, 12 exx (LFO); Rio, path towards Cima del Monte, 470 m, N42°48'01,0" E10°23'31,1", 17.X.2017, 5 exx (LFO); Rio, Monte Grosso, path from Case Colli, 200 m, N42°50'54,5" E10°23'58,4", 21.X.2017, Forbicioni leg. 1 ex (LFO), 2 exx (CBE); Rio, Cavo, 140 m, N42°51.580' E10°24.761', 19.IX.2001, 3 exx (CBE); Rio, Cavo, Monte Strega, 22.X.2001, 2 exx (CBE); Rio, Monte Grosso, 27.II.1990, P. Magrini leg. 1 ex (CBE); Rio, Monte Strega, 310 m, N43°29.325' E10°24.061', 6.X.2013, Bellò, Chemello legg. 4 exx (CBE); Rio, Belvedere Volterraio, 315 m, N42°48.302' E10°23.360', 6.X.2013, Bellò, Chemello legg. 2 exx (CBE); 5.V.2014, 3 exx. (CBE); Rio, Capo d'Arco, 130 m, N42°46'44" E10°22'54", 26.I.2014, Forbicioni leg. 1 ex (LFO), 2 exx (CBE); Rio,



Fig. 37c. *Pseudomeira holdhausi* (A. and F. Solari, 1907) from Giannutri Island.

Parata road, 130 m, N42°49'48" E10°25'05", 9.III.2014, Forbicioni leg. 1 ex (CBE); Rio, Bivio Bori, N42°48'14" E10°24'12", 22.IV.2014, Forbicioni leg. 1 ex (CBE); Rio, Sassi Turchini, 22.IV.2014, 1 ex (LFO); Rio, Volterraio, N42°48'30" E10°23'36", 9.V.2014, Forbicioni leg. 6 exx (CBE); Rio, Volterraio/Le Panche, 330 m, 28.VI.2014, 1 ex (LFO); Rio, Ripabianca, Le Conche, 10.III.2015, 1 ex (LFO); Rio, Monte Serra, 302 m, N42°49.335' E10°24.187', 18.IX.2001, 17 exx (CBE); Rio, Cavo, 250 m, 15.V.1988, F. Angelini leg. 2 exx (CBE); Rio, Case Coli, 135 m, N42°50.361' E10°24.000', 6.X.2013, Bellò, Chemello legg. 2 exx (CBE); Porto Azzurro, Monte Castello, 320 m, N42°47'10,8" E10°23'09,9", 6.X.2017, 2 exx (LFO); Porto Azzurro, 145 m, N42°46.905' E10°25.409', 5.V.2014, Bellò, Chemello legg. 3 exx (CBE); Capoliveri, Lacona, N42°45.893' E10°19.974', 20.IX.2001, Bellò leg. 3 exx (CBE); Capoliveri, Lacona, road to Colle Reci-

so, 17.III.2013, Forbicioni leg. 2 exx (CBE); Capoliveri, Monte Calamita, 180 m, N42°43.256' E10°23.219', 20 IX.2001, 3 exx (CBE); Capoliveri, Monte Calamita, N42°44'10" E10°24'10", 16.III.2014, Forbicioni leg. 3 exx (CBE), 1 ex (LFO); Capoliveri, Monte Calamita, 190 m, N42°43.490' E10°22.904', 4.V.2014, Bellò, Chemello, Colonnelli, Meloni, Forbicioni legg. 5 exx (CBE); Capoliveri, Monte Calamita, 340 m, 7.X.2013, Bellò, Chemello legg. 4 exx (CBE); 24.IX.2016, 4 exx (LFO); Capoliveri, Monte Calamita, near fire pit, 13.VII.2014, 1 ex (LFO); Capoliveri, Monte Calamita, Innamorata, 120 m, 10.V.2014, Forbicioni leg. 1 ex (CBE); Capoliveri, Monte Calamita, Capanna di Gustavo, 160 m, 4.V.2014, 1 ex (ECO); Capoliveri, Monte Calamita, Serrone delle Rose, 31.VIII.2014, 1 ex (LFO); Capoliveri, Monte Calamita, Poggio Fino, 25.IX.2017, 2 ex (LFO); Capoliveri, Capo Norsì, 15.XII.2013, Forbicioni leg. 2 exx (CBE), 2 exx (LFO); Capoliveri, Mola/Calanchiole,



Fig. 37d. Habitats of *Pseudomeira holdhausi* (A. and F. Solari, 1907) on Giannutri Island.

31.V.2014, Forbicioni leg. 1 ex (CBE); Capoliveri, Straccoligno, 2.VII.2014, Forbicioni leg. 1 ex (CBE); Capoliveri, Buzzancone, N42°44'33" E10°25'20", 28.VII.2014, Forbicioni leg. 4 exx (CBE); Capoliveri, Sassi Neri, N42°44'19" E10°25'27", 28.VII.2014, Forbicioni leg. 1 ex (CBE); Campo nell'Elba, Pomonte, Ogliera, 50 m, 19.IX.2001, N42°44'688" E10°07'305", Bellò leg. 1 ex (ECO); 20.IX.2001, 23 exx (CBE); 27.IX.2013, 3 exx (CBE); Campo nell'Elba, Sant'Ilario, 250 m, 27.IX.1992, 9 exx (CBE); Campo nell'Elba, road to Sant'Ilario, 100-140 m, 3.XI.2013, Forbicioni leg. 3 exx (CBE), 3 exx (LFO); Campo nell'Elba, Monte Perone, San Francesco, 3.XI.2013, Forbicioni leg. 4 exx (LFO), 5 exx (CBE); Campo nell'Elba, Monte Penne, 400 m, 19.VI.2011, Forbicioni leg. 1 ex (CBE); Campo nell'Elba, Monte Perone, Pieve San Giovanni, 415 m, N42°45.421' E10°11.530', 5.X.2013, Bellò, Chemello legg. 7 exx (CBE); Campo nell'Elba, Monte Perone, 29.V.2018,

Forbicioni leg. N42°45'56.6" E10°11'10.7", 3 exx (CBE); Marciana, Colle Dorano, 135 m, N42°47'01 E10°06'43, 19.V. 2019, Bellò, Chemello legg. 1 ex (CBE); Marciana, Colle Dorano, 250 m, N42°47.051'E10°06.965', 19.IX.2001, 1 ex (CBE); 10 m, N42°47.365'E10°06.521', 20.IX.2001, 2 exx (CBE); 80 m, N42°47.295' E10°06.558', 8.X.2013, Bellò, Chemello legg. 1 ex. (CBE); Marciana, Monte Capanne, 1000 m, N42°46.297'E10°10.121', 21.IX.2001, 1 ex (CBE); Marciana, Monte Capanne, 400 m, 9.VII.2017, Forbicioni leg. 1 ex (CBE); Marciana, Monte Capanne above Santuario Madonna del Monte, 650m, N42°47'32,6" E10°09'06,2", 21.V.2017, 1 ex (LFO); Marciana, Valle della Nivera, 480 m, N42°46.669'E10°11.230', 4.V.2014, Bellò, Chemello legg. 3 exx (CBE); Marciana, San Lorenzo, 210 m, N42°47.506'E10°10.783', 4.V.2014, Bellò, Chemello legg. 15 exx (CBE). **Giannutri Island:** Giannutri, 14-20.V.1978, Gardini, Briganti legg. 7 exx (CBE, GOS); Vigna Vecchia, 10. IV. 2016, 2 exx (LFO); Vigna Vecchia, 20 m, N42°14.956' E11°06.006', 10.IV.2016, Bellò, Chemello legg. 12 exx (CBE). Notes. This variable species has been described from Elba Island, where it is widespread and common. The Giannutri island specimens, despite their slight morphological differences from those from Elba for which they had been reported as *Pseudomeira* sp. by Osella (1980), are not here considered to belong to species other than *P. holdhausi*, pending the study of more numerous material and a revision of the whole *P. echidna* group, to which this species species belongs. We know *Pseudomeira holdhausi* also from some localities of continental Tuscany facing: Buriano (Poggio Bruno), Talamone, Vetulonia, and Roccastrada. We sifting under *Olea europaea* L., *Erica arborea* L., *Quercus* sp., *Castanea sativa* Miller, *Pistacia lentiscus* L., *Cistus salvifolius* L., *Cytisus scoparius* (L.) Link, *Lavandula stoechas* L., *Asphodelus* spp., *Helichrysum* sp., *Robinia pseudoacacia* L. and *Rubus* sp found this weevil. In some localities, we collected it together with *Meira tedeschi*, *Pseudomeira rudis* and *Heteromeira caprasiae*.



***Pseudomeira rudis*** (Boheman, 1843)

(Figs. 38a, 38b, 38c, 38d)

Chorotype. **END**Literature records. Holdhaus (1923: 109, Elba); Luigioni (1929: 872, Elba); Porta (1932: 61, Elba), all quoted as *Peritelus rudis*; Magnano, Osella (1970: 593, Elba); Pierotti (2013a: 49, Elba); Pierotti (2017b: 255, Elba).

Material examined. **Elba Island:** 1908, Paganetti leg. 3 exx (MSNM); Portoferraio, Monte Orello, 15.VIII.2010, 1 ex (LFO); 2.V.2017, 1 ex (LFO); Portoferraio, Monte Orello N slope, 10.XII.2013, 1 ex (LFO); Portoferraio, Monte Orello, 360 m, 4.VI.2017, 2 exx (LFO); 7.VII.2017, 1 ex (LFO); Portoferraio, San Giovanni, 4.XI.2010, 1 ex (LFO); Portoferraio, Acquabona, 15.I.2011, 1 ex (LFO); 8.IX.2012, Forbicioni leg. 1 ex (CBE); 6.X.2012, 3 exx (LFO); 2.II.2013, 1 ex (LFO); Portoferraio, Volterraio, 17.I.2011, L. Forbicioni leg. 2 exx (CBE), 1 ex (LFO); 3.III.2013, 1 ex (LFO); Portoferraio, Volterraio, Macinino, 12.V.2013, Forbicioni leg. 1 ex (CBE), 2 exx (LFO); Portoferraio, Volterraio, Cima Monte, 15.VI.2013, Forbicioni leg. 3 exx (CBE), 3 exx (LFO); Portoferraio, Colle Reciso, windmill, 17.V.2011, 1 ex (LFO); Portoferraio, Colle Reciso, Fonte Schiumoli, 10.XII.2013, Forbicioni leg. 1 ex (CBE), 1 ex (LFO); Portoferraio, San Martino, 3.VI.2012, 1 ex (LFO); Portoferraio, Montebello, 1.I.2014, Forbicioni leg. 1 ex (CBE), 4 exx (LFO); 7.IX.2014, 11 exx (LFO); 2.V.2015, 2 exx (LFO); Rio, Monte Serra, 305 m, N42°49.542' E10°24.122', 17.IX.2001, 4 exx (CBE); Rio, Cavo, 140 m, N42°51.580' E10°24.761', 18.IX.2001, 2 exx (CBE); Rio, Cavo, monte Strega, 22.IX.2001, 6 exx (CBE); Rio, Belvedere Volterraio, 315 m, N42°48.302' E10°23.360', 6.X.2013, Bellò, Chemello legg. 4 exx (CBE); Rio, Case Coli, 135 m, N42°50.361' E10°24.000', 6.X.2013, Bellò, Chemello legg. 2 exx. (CBE); Rio, Monte Strega, 310 m, N43°29.325' E10°24.061', 6.X.2013, Bellò, Chemello legg. 3 exx (CBE); Rio Marina, Capo d'Arco, 130 m, N42°46'44" E10°22'54", 26.I.2014, Forbicioni 2 exx (CBE); Rio Marina, road to Cavo, N42°49'57" E10°25'57", 9.III.2014, Forbicioni

leg. 1 ex (CBE), 1 ex (LFO); Rio Marina, Bivio Boni, N42°48'14" E10°24'12", 22.IV.2014, 3 exx (LFO); Rio, Volterraio, Le Panche, 328 m, 9.V.2014, 4 exx (LFO); Rio, Valico del Volterraio, 15.X.2014, 1 ex (LFO); Rio, path to mountain peak, 470 m, N42°48'01,0" E10°23'31,1", 17.X.2017, 5 exx (LFO); Porto Azzurro, 145 m, N42°46.905' E10°25.409', 5.V.2014, Bellò, Chemello legg. 2 exx (CBE); Porto Azzurro, Capo d'Arco, 100 m, N42°43' E10°25', 5.V.2014, 1 ex (ECO). Campo nell'Elba, Sant'Ilario, 27.IX.1992, 10 exx (CBE); 22.VI.2014, 2 exx (LFO); Campo nell'Elba, Marina di Campo, 15. VI. 1999, Abbazzi leg. 1 ex (CBE); Campo nell'Elba, monument, 260 m, N42°45.937' E10°16.393', 20.IX.2001, 1 ex (CBE); Campo nell'Elba, Monte Perone, 500-600 m, 19.III.2011, 3 exx (CBE); 19.VI.2011, Forbicioni leg. 1 ex (CBE); 30. IX. 2003, 1 ex (CBE); 7.V.2013, 1 ex (LFO); 11.VII.2014, Forbicioni leg. 2 exx (CBE), 11 exx (LFO); Forbicioni leg. 5 exx (CBE), 3 exx (LFO); Campo nell'Elba, Monte Perone, forest nursery, 500 m, 4.V.2014, 1 ex (ECO); Campo nell'Elba, Monte Perone, San Francesco, 18.III.2012, 1 ex (LFO); 4.V.2012, 1 ex (LFO); 3.XI.2013, Forbicioni leg. 5 exx (CBE); 4.V.2014, 1 ex (ECO); Campo nell'Elba, Castagnone, 600 m, 10.VI.2012, 1 ex (LFO); Campo nell'Elba, San Pietro, Chiesa Romanica, 1.II.2013, Forbicioni leg. 2 exx (CBE), 4 exx (LFO); 13.IV.2014, 1 ex (LFO); Campo nell'Elba, San Pietro above sports field, 23.III.2014, Forbicioni leg. 6 exx (CBE), 3 exx (LFO); Campo nell'Elba, San Piero/San Francesco, 19.VI.2013, 2 exx (LFO); Campo nell'Elba, Monte Maolo, 600 m, 14. VII. 2013, Forbicioni leg. 1 ex (CBE), 2 exx (LFO); Campo nell'Elba, Valle della Nivera, 470 m, 3.XI.2013, 3 exx (LFO); 4.V.2014, Bellò, Chemello legg. 1 ex (CBE); Campo nell'Elba, road to Sant'Ilario, 100-140 m, 3.XI.2013, 1 ex (LFO); Campo nell'Elba, Pieve San Giovanni, 420 m, 3.XI.2013, Forbicioni leg. 2 exx (CBE), 6 exx (LFO); 5.X.2013, Bellò, Chemello legg. 28 exx. (CBE); Campo nell'Elba, Monte Maolo, 740 m, N42°46'25" E10°11'20", 22.VI.2014, 3 exx (LFO); Campo nell'Elba, Piana al Canale, 28.IV.2015, 2 exx (LFO); Campo

Fig. 38a. *Pseudomeira rudis* (Boheman, 1843) from Elba Island, dorsal view. Length 3.20-4.60 mm.Fig. 38b. *Pseudomeira rudis* (Boheman, 1843) from Elba Island, lateral view. Length 3.20-4.60 mm.



Fig. 38c. *Pseudomeira holdhausi* (A. and F. Solari, 1907) (a) compared with *Pseudomeira rudis* (Boheman, 1843) (b) from Elba Island.



Fig. 38d. Habitats of *Pseudomeira rudis* (Boheman, 1843) on Montecristo Island.

nell'Elba, Sant'Ilario, Pietra Acuta, 7.VI.2016, 2 exx (LFO); Campo Nell'Elba, Buca di Bomba presso San Martino, 298 m, N42°46'46" E10°16'16", 1.VII.2018, Forbicioni leg. 18 exx (CBE), 2 exx (LFO); Campo nell'Elba, Sentiero delle Farfalle, N42°46'32.8" E10°11'38.3", 650 m, 2.VI.2018, Forbicioni leg. 57 exx (CBE); Capoliveri, Mola/Calanchiole, 6.VI.2013, Forbicioni leg. 1 ex (CBE), 3 exx (LFO); 2.VII.2013, 1 ex (LFO); 31.V.2014, 1 ex (LFO); Capoliveri, Monte Calamita, Straccoligno, 345 m, 5.X.2013, Bellò, Chemello legg. legg. 3 exx (CBE); Capoliveri, Straccoligno, 700 m, 2.VII.2014, Forbicioni leg. 2 exx (CBE); Capoliveri, Monte Calamita, 340 m, 7.X.2013, Bellò, Chemello legg. 3 exx (CBE); Capoliveri, Monte Calamita, N42°44'10" E10°24'10", 16.III.2014, Forbicioni leg. 2 exx (CBE, LFO); Capoliveri, Monte Calamita, Serrone delle Rose, 300 m, 26.VII.2014, Forbicioni leg. 2 exx (CBE); Capoliveri, Calanchiole, 17.VII.2014, 2 exx (LFO); Capoliveri, Buzzanco, N42°44'33" E10°25'20", 28.VII.2014, Forbicioni leg. 4 exx (CBE); Marciana, Procchio, 21. VII. 1971, Binaghi leg. 47 exx (MSNG); Poggio, Monte Perone, 23. VII. 1971, Binaghi leg. 9 exx (MSNG); Marciana, Monte Capanne, 1000 m, 12. VII. 1997, P. Lo Cascio, Abbazzi legg. 1 ex (CBE); 21.IX.2001, 2 exx (CBE); 12.V.2012, Forbicioni leg. 2 exx (CBE), 10 exx (LFO); 20.VI.2012, 1 ex (LFO); 2 exx (CBE); 21.IX.2001, 16 exx (CBE); Marciana, Monte Capanne, 650 m, N42°47'32,6" E10°09'06,2", 21.V.2017, 5 exx (LFO); Marciana, Monte Capanne, near cableway, 4.VII.2013, Forbicioni leg. 2 exx (CBE), 3 exx (LFO); Marciana, Monte Capanne near the mountain peak, 8.VII.2018, Forbicioni leg. 7exx (CBE), 3 exx (LFO); Marciana, Monte Capanne, San Cerbone and surroundings, 500 m, 21.IX.2001, 16 exx (CBE); 17.IX.2001, 8 exx (CBE); 30.IX.2003, 13 exx (CBE); 9.X.2014, Forbicioni leg. 1 ex (CBE), 3 exx (LFO); 10.X.2014, Forbicioni leg. leg. 3 exx (CBE), 1 ex (LFO); Marciana, Monte Capanne, Fonte Napoleone, 320 m, 27.X. 2013, Forbicioni leg. 2 exx (CBE), 3 exx (LFO); 31.X.2014, 10 exx (LFO); 9.VII.2017, 3 exx (LFO); Marciana, Colle Dorano, 15. VI.

1999, Abbazzi leg. 1ex (CBE); 19.IX.2001, Bellò, Chemello legg. 3 exx (CBE); 28.VIII.2015, 3 exx (LFO); Bellò, Chemello legg. 1ex (CBE); Marciana, Crino delle Puntate, 15. VI. 1999, Abbazzi leg. 1 ex (CBE); Marciana, Zanca, 155 m, 17.IX.2001, 17 exx (CBE); 27.IX.2003, 7 exx (CBE); Marciana, Serraventosa, 21.IX.2001, 1 ex (CBE); Marciana, Maciarellò, 21.IX.2001, 3 exx (CBE); Marciana, Madonna del Monte, 18.X.2001, 7 exx (CBE); Marciana, Uviale di Monte Capanne, cableway, 6.VII.2012, Forbicioni leg. 1 ex (CBE), 2 exx (LFO); 7.VII.2012, 1 ex (LFO); Marciana, Monte Perone, 400-700 m, 19.VI.2011, 1 ex (LFO); 29.VIII.2012, Forbicioni leg. 21 exx (CBE), 3 exx (LFO); Marciana, valle di Pomonte, 17.IV.2013, Forbicioni leg. 1 ex (CBE), 2 exx (LFO); Marciana, road Civillina, 1.IX.2013, 1 ex (LFO); 25.IV.2014, 35 exx (LFO); Marciana, Valle di Pomonte, 17.IV.2013, 10 exx (LFO); Marciana, Pomonte, pendici SW Monte Capanne, 100 m, 2.X.2016, R. Poggi leg. 1 ex (MSNG); Marciana, Poggio, 25.IV.2014, 7 exx (LFO); 12. X. 2015, Bellò, Chemello legg. 3 exx (CBE); Marciana, Poggio, Vicinale del Tendoio, 31.X.2014, 4 exx (LFO); 1.IV.2015, 3 exx (LFO); 12.X.2015, 4 exx (LFO); Marciana, San Lorenzo, 210 m, 4.V.2014, Bellò, Chemello legg. 43 exx (CBE); 4.V.2014, 7 exx (ECO). Marciana, Uviale di Patresi, 400 m, N42°47'06,3" E10°08'11,0", 24.V.2017, 2 exx (LFO). **Montecristo Island:** Cala Corfù, 27. VI. 1978, R. Poggi, 1 ex (MSNG); Convento, 24.VII.1980, R. Poggi, 4 exx (MSNG); path to Monastero, 235 m, N43°20.136' E10°17.583", 18.X.2014, Bellò, Chemello legg. 1 ex (CBE); path to Monastero, 150 m, 11.X.2015, Bellò, Chemello, legg. 1 ex (CBE); Collo Lecci, 30.IX.2016, Forbicioni leg. 1 ex (CBE); Cala Maestra, 2.X.2016, Forbicioni leg. 4 exx (CBE, LFO); Poggio del Portale, 2.X.2016, Forbicioni leg. 1 ex (CBE); La Villa, 50 m, 1-3. X. 2016, Forbicioni leg. 1 ex (CBE). Notes. Described from "Etruria", type locality then precised as Pisa by Pierotti (2017), this species is widespread, variable and very common on Elba Island. Despite slight morphological differences between Montecristo, Elba and continental Tuscany *P. rudis* specimens, they may

be considered as belonging to the same species. Also Pierotti (2017) observed that: “Gli esemplari dell’isola d’Elba presentano antenne meno robuste e pronoto meno marcatamente trasverso”. This weevil has been commonly collected beating *Erica arborea* L. as well as sifting litter under *Quercus* sp., *Castanea sativa* Miller, *Pistacia lentiscus* L., *Cistus salvifolius* L., *Cytisus scoparius* (L.) Link and *Rubus* sp., sometimes together with *Meira tedeschii*, *Pseudomeira holdhausi* and *Heteromeira caprasiae*. During 2001 fall, we detected many adults feeding on *Erica scoparia* L. at Zanca.

*Pseudomeira silvanaedicata* Bellò, Forbicioni, Ruzzier, 2019

Chorotype. ENT

Literature records. Bellò, Forbicioni, Ruzzier, 2019: 23-49.

Material examined. **Giannutri Island:** Isola di Giannutri, Monte Mario, 19. IX. 1992 leg. Bellò, Holotype (CBE), 6 exx paratypes (CBE), 5 exx paratypes (HPI), 1 ex paratype (LFO), 1 ex paratype (ECO).

Notes. Collected in autumn, sifting under *Arbutus unedo* L. at the edges of the Mediterranean maquis. Known only from the Giannutri Island.

*Pseudomeira zanichelliae* Bellò, Forbicioni, Ruzzier, 2019

Chorotype. ENT

Literature records. Bellò, Forbicioni, Ruzzier, 2019: 23-49.

Material examined. **Capraia Island:** former prison entrance, 70m, N43°02.952' E9°49.714', 20-23. V. 2016, Bellò, Chemello, Forbicioni legg. Holotype and 20 paratypes (CBE, ECO, GOS); former prison entrance, 20.V.2016, L. Forbicioni leg, 1 ♂ e 1 ♀ paratipi (LFO); Isola Capraia, VI. 1930, leg C. Mancini, 1 ex paratype (MSNG); 18-25. IV. 1973, G. Gardini leg, 1 ex paratype (MSNG); 27. VI. 1993, S. Zoia leg, 1 ex paratype (CBE); Lo Stagnone, 325m, 26.V.2014, legg. Bellò, Chemello, 43°02.25' N 009°48.34' E, 5 exx paratypes (CBE); Lo Stagnone, 330m, 43°02'26.51"N 9°48'34.75"E, 22.V.2016, Bellò, Chemello, Forbicioni legg, 1 ex paratype

(CBE).

Notes. Species endemic of Capraia Island, where it was collected in spring near Lo Stagnone sifting under *Teucrium* sp. and *Rubus* sp., and near the entrance of the former prison sifting litter taken from the former olive grooves and at the edges of the Mediterranean scrub. Collected in both localities together with *Heteromeira caprasiae*, *Cathormiocerus discors*, *Trachyphloeus laticollis* and *Torneuma liguricum*.

*Simo variegatus* (Boheman, 1843)

(Figs. 39a, 39b, 39c, 39d)

Chorotype. EUR

Literature records. Pierotti, Bellò (2006: 29); Pierotti (2013a: 39; 2013b: 354; 2017a: 344).

Material examined. **Elba Island:** Campo nell’Elba, Monte Perone, 650m, 22.VI.2015, Forbicioni leg. 3exx (CBE); 11.VI.2015, 1 ex (LFO); 21.VI.2015, 1 ex (LFO); Campo nell’Elba/Marciana, 650 m, 2.VI.2018, Sentiero delle Farfalle, N42°46'32.8"E10°11'38.3", Forbicioni leg, 12 exx (CBE), 4 exx (LFO); Marciana, Monte Malolo, 700 m, N42°46'25,2" E10°11'19,5", 3 exx (LFO).

Notes. Species reported by Alonso-Zarazaga *et alii* (2017) from France, Luxembourg, the Netherlands, Germany, Denmark, Italy, Austria, Czech Republic, Greece, Slovakia, Hungary, Poland and Morocco, and new to the Tuscan Archipelago. The male is not known in the population of Elba Island, where *Simo variegatus* has been sampled by beating undergrowth of *Picea* and *Castanea sativa* with a prevalence of *Alliaria petiolata* and *Rubus ulmifolius*.

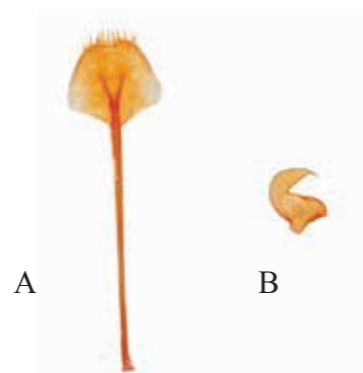


Fig. 39c. *Simo variegatus* (Boheman, 1843), VIII sternite (A) and spermatheca (B).



Fig. 39a. *Simo variegatus* (Boheman, 1843) (Elba Island), dorsal view. Length 6.30 mm.



Fig. 39d. *Simo variegatus* (Boheman, 1843), Elba Island habitats.

**Taxonomy.** For a determination as safe as possible of this species, which is extremely similar to *Simo hirticornis* (Herbst, 1795), we report below the key by Pierotti, Bellò (2006):

1- On average bigger (4.5-8.0 mm). Scrobe usually clothed by separate scales. Vertex of the angle formed by base of rostrum and gula generally more acute. Propygidium rather broadly lanceolate. Styli of ovopositor more obvious, quite well sclerified. Cornus of spermatheca thin and elongate ramus quite evident, subperpendicular to collum .....

..... *Simo variegatus* (Boheman, 1843).

2- On average smaller (4.2-6.7 mm). Scrobe usually clothed by at least partially embriate scales. Vertex of the angle formed by base of rostrum and gula generally widely blunt. Propygidium thinly lanceolate. Styli of ovopositor almost wanting. Cornus of spermatheca short and robust, ramus barely developed, subperpendicular to collum in the parthenogenetic form, slightly inclined with respect to collum in the amphigonetic form.....

..... *Simo hirticornis* (Herbst, 1795).

**Tassonomia.** Per una determinazione il più possibile sicura di questa specie, molto simile a *Simo hirticornis* (Herbst, 1795), abbiamo preso in considerazione nel suo complesso i caratteri riportati nelle chiavi di Pierotti, Bellò (2006) che per utilità d'informazione riportiamo:

1- Statura mediamente maggiore (4,5-8 mm). Scrobo solitamente con squame rade. Vertice dell'angolo formato dalla base del rostro con la gola solitamente più evidente. Propigidio più largamente lanceolato. Ovopositore con stili evidenti, discretamente sclerificati. Spermateca a cornus esile ed allungato e ramus bene sviluppato, subperpendicolare al collum .....

..... *Simo variegatus* (Boheman, 1843).

2- Statura mediamente minore (4,2-6,7 mm). Scrobo solitamente ricoperto di squame più o meno embriate. Vertice dell'angolo formato dalla base del rostro con la gola per lo più largamente smussato. Propigidio più strettamente lanceolato. Ovopositore con stili indistinti. Spermateca a cornus breve e robusto e ramus poco sviluppato, subperpendicolare al collum nella forma partenogenetica, poco inclinato rispetto al collum nella forma anfigonica.....

..... *Simo hirticornis* (Herbst, 1795).



Fig. 39b. *Simo variegatus* (Boheman, 1843) (Elba Island), lateral view. Length 6.30 mm.



Fig. 40a. *Cathormiocerus discors* Desbrochers, 1875, dorsal view. Length 3.20 mm.



Fig. 40b. *Cathormiocerus discors* Desbrochers, 1875, lateral view. Length 3.20 mm.

#### Trachyphloeini Gistel, 1848

##### *Cathormiocerus discors* Desbrochers, 1875

(Figs. 40a, 40b, 40c)

Literature records. Abbazzi, Maggini (2009: 143, Elba as *Cathormiocerus curvipes* Wollaston, 1854).

Material examined. **Elba Island:** Portoferraio, Villa Napoleone, 6.X.1988, Bellò leg. 1 ex (GOS); 6.X.1988, Pierotti leg. 1 ex (GOS); Portoferraio, Volterraio, 17.I.2011, 2 exx (LFO); Portoferraio, Monte Orello, 29.III.2013, 1 ex (LFO); Portoferraio, Monte Orello, 280 m, 10.XII.2013, 2 exx (LFO); Portoferraio, Monte Orello, N slope, 10.XII.2013, 2 exx (LFO); Portoferraio, Monte Orello, 350 m, N42°46'43,3" E10°19'14,8", 2.V.2017, 1 ex (LFO); Portoferraio, Monte Orello, German WW2 bunker, 370 m, N42°46'43,7" E10°19'15,2", 7.VII.2017, 4 exx (LFO); Portoferraio, Albereto, Montebello, 1.I.2014, 4 exx (LFO); 7.IX.2014, 1 ex (LFO); Portoferraio, Colle Reciso, Santa Lucia, 200 m, 6.I.2014, 1 ex (LFO); Rio, Monte Serra, 300 m, N42°49'542" E10°24'122", 7.IX.2001, Bellò leg. 5 exx (GOS); Rio, Monte Serra, 302 m, N42°49'335" E10°24'187", 18.IX.2001, Bellò leg. 1 ex (GOS); Rio, Volterraio pass, 15.X.2014, 1 ex (LFO); Capoliveri, Monte Calamita, SW beacon, 362 m, 1.XI.2013, 1 ex (LFO); Capoliveri,



Fig. 40c. Habitats of *Cathormiocerus discors* Desbrochers, 1875 near "Lo Stagnone" on Capraia Island.

Monte Calamita, 340 m, 2.XI.2013, 2 exx (LFO); 13.VII.2014, 1 ex (LFO); Capoliveri, Monte Calamita, 320 m, N42°43'30,0" E10°24'19,7", 30.IX.2018, 21 exx (LFO); Capoliveri, Monte Calamita, Poggio Fino, 298 m, 27.XI.2013, 1 ex (LFO); Capoliveri, Monte Calamita, N slope, 250 m, 31.VIII.2014, 1 ex (LFO); 25.IX.2017, 1 ex (LFO); Capoliveri, Monte Calamita, 320 m, 24.IX.2016, 7 exx (LFO); Campo nell'Elba, Sant'Ilario, 27.IX.1992, Pierotti leg. 6 exx (GOS); Campo nell'Elba, Piana al Canale, 10.X.2018, 1 ex (LFO). **Capraia Island:** Lo Stagnone, 300 m, 14.IX.1992, Bellò leg. 1 ex (GOS); Cala Zurletto, 69 m, N43°02.683' E009°50.811', 25.V.2014,

Bellò, Chemello legg. 3 exx (LFO); Vado del Porto, N43°02.715' E9°50.040', 25.V.2014, Bellò, Chemello legg. 1 ex (LFO); Lo Stagnone, 325 m, N43°02'25" E9°48'34", 26.V.2014, Bellò, Chemello legg. 2 exx (LFO); Lo Stagnone, 330 m, N43°02'26.51" E9°48'34.75"E, 22.V.2016, Bellò Chemello, Forbicioni legg. 1 ex (LFO); Belvedere, 21.V.2016, 1 ex (LFO). **Gorgona Island:** 29.IX.1992, Bellò leg. 1 ex (GOS); 23.IX.1992, Pierotti leg. 5 exx (GOS).

Notes. Collected sifting under *Teucrium marum* L., *Lavandula stoechas* L., *Rubus* spp, mosses and lichens. New record for the Capraia Island and the Gorgona Island.



Fig. 41a. *Trachyphloeus (Trachyphloeus) colonnellii* Borovec, Osella, 2002, dorsal view. Length 2.70 mm.

*Trachyphloeus (Trachyphloeus) colonnellii*

Borovec, Osella, 2002 (Figs. 41a, 41b, 41c)

Chorotype. **ENT**

Literature records. Borovec, Osella (2002: 303, Gorgona); Abbazzi, Maggini, 2009: 144.

Material examined. **Gorgona Island:** Isola di Gorgona, 23.IX.1992, 1 ex (ECO); Torre Vecchia/Ferro di Cavallo, 29.VI.2015, 1 ex (LFO).

Notes. Species known only from the Gorgona Island.

*Trachyphloeus (Trachyphloeus) fusciscapus*

Desbrochers, 1909

Chorotype. **WME**

Material examined. **Elba Island:** Capoliveri, Monte Calamita, near fire-fighting pool, 340 m, 2.XI.2013, 2 exx (LFO); Capoliveri, Monte Calamita, Poggio Fino, 298 m, 27.XI.2013, 1 ex (LFO).

Notes. Species thus far indicated only from Sardinia, collected on Elba Island by sifting under *Lavandula stoechas* L., *Rubus* spp., mosses and lichens. New record for the Tuscan Archipelago.

*Trachyphloeus (Trachyphloeus) ilvensis*

Borovec, Osella (in Borovec, Osella, Vicentini), 2008 (Fig 42a, 42b, 42c)

Chorotype. **ENT**



Fig.41b. *Trachyphloeus (Trachyphloeus) colonnellii* Borovec, Osella, 2002, lateral view. Length 2.70 mm.



Fig. 41c. Habitats of *Trachyphloeus (Trachyphloeus) colonnellii* Borovec, Osella, 2002 near Torre Vecchia on Gorgona Island. Photo courtesy of Mauro Bisti.

Literature records. Borovec, Osella, Vicentini (2008: 77, Elba); Abbazzi, Maggini (2009: 144, Elba).

Material examined. **Elba Island:** Marciana, Colle d'Orano, 15.VI.1999, Abbazzi leg. 1 ex (CAB); Capoliveri, Monte Calamita, near fire pit, 340 m, 2.XI.2013, 1 ex (LFO); Campo nell'Elba, San Piero above sports field, 23.III.2014, 1 ex (MTE).

Notes. Endemic to the Elba Island.

*Trachyphloeus (Trachyphloeus) laticollis*

Boheman, 1843

Chorotype. **SEU**

Literature records. Poggi (1976: 629, Montecristo); Fanfani, Groppali (1979: 26, Montecristo), both as *Trachyphloeus laticollis* group; Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio,

Acquabona, 8.XII.2010, 1 ex (LFO); Portoferraio, Alberto, 16.I.2011, 1 ex (LFO); Portoferraio, Monte Orello, 29.III.2013, 1 ex (LFO); Portoferraio, Monte Orello, 360 m, 4.VI.2017, 1 ex (LFO); Portoferraio, road to Enfola, Puntale, 23.X.2013, 6 exx (LFO); Portoferraio, Colle Reciso, Santa Lucia, 200 m, 6.I.2014, 1 ex (LFO); 27.IX.2014, 1 ex (LFO); Portoferraio, Forte Inglese, 11.X.2019, 1 ex (LFO); Rio, Capo d'Arco, 130 m, 42°46'44"N 10°22'54"E, 26.I.2014, 1 ex (LFO); Rio, path to Cima del Monte, 470 m, N42°48'01,0" E10°23'31,1", 17.X.2017, 1 ex (LFO); Porto Azzurro, 145 m, N42°46.905' E10°25.409', 5.V.2014, Bellò, Chemello legg. 3 exx (LFO); Capoliveri, Monte Calamita, near fire pit, 340 m, 2.XI.2013, 1 ex (LFO); 16.III.2014, 1 ex (LFO); 2.VII.2017, 1 ex (LFO); 30.IX.2018, 9 exx (LFO); Capoliveri, Monte Calamita NE slope, 280 m, 31.X.2013,



Fig. 42a. *Trachyphloeus (Trachyphloeus) ilvensis* Borovec, Osella (in Borovec, Osella, Vicentini, 2008), dorsal view. Length 2.50 mm.



Fig. 42b. *Trachyphloeus (Trachyphloeus) ilvensis* Borovec, Osella (in Borovec, Osella, Vicentini, 2008), lateral view. Length 2.50 mm.

1 ex (LFO); Capoliveri, Monte Calamita, 190 m, N42°43.490' E10°22.904', 4.V.2014, Bellò, Chemello, Colonnelli, Meloni, Forbicioni legg. 3 exx (LFO); Capoliveri, Monte Calamita N slope, 250 m, 31.VIII.2014, 1 ex (LFO); Capoliveri, Monte Calamita, Miniera del Ginevro, 28.IX.2014, 1 ex (LFO); Capoliveri, Innamorata, 120 m, 4.V.2014, 1 ex (LFO); 11.III.2015, 1 ex (LFO); Capoliveri, Monte Calamita, 320 m, 24.IX.2016, 5 exx (LFO); Campo nell'Elba, path to Sant'Ilario, 100-400m, 3.XI.2013, 3 exx (LFO); Campo nell'Elba, San Piero near sports field, 23.III.2014, 1 ex (LFO); Campo nell'Elba, San Piero, N42°45'4" E10°12'25", 13.IV.2014, 3 exx (LFO); Marciana, Madonna del Monte, 18.IX.2001, Bellò leg. 2 exx (GOS). **Capraia Island:** Stagnone, 300 m, 14.IX.1992, Bellò leg. 1 ex (GOS); Cala Zurletto, 16.IX.1992, Bellò leg. 1 ex (GOS); Capraia, 7.V.2001, Papi leg. 1 ex (CAB). **Giannutri Island:** Giannutri, 3.VI.2014, Roger Vila leg. 1 ex. (LFO). **Giglio Island:** Giglio Porto, 233m, N42°22.407'E10°53.994', 1.V.2014, Bellò, Chemello, Colonnelli, Meloni legg. 1 ex (LFO); Punta Capel Rosso, 160 m, N42°19.576'E10°54.921', 9.IV.2016, Bellò, Chemello, Forbicioni legg. 1 ex (LFO). **Montecristo Island:** Cala Maestra, 4/5.V.1976, R. Poggi leg. 1 ex (GOS); Belvedere, 31.V.1981



Fig. 42c. *Trachyphloeus (Trachyphloeus) ilvensis* Borovec, Osella (in Borovec, Osella, Vicentini, 2008), Elba Island habitats.

G. Bernini leg. 1 ex (GOS); path to Monastero, 235m, N43°20'13" E10°17'59", Bellò, Chemello legg. 1 ex (LFO).

Notes. Collected sifting under *Cistus* spp., *Erica* sp., *Teucrium marum* L., *Lavandula stoechas* L., *Pistacia lentiscus* L., *Asphodelus* sp. and mosses. New record for the Capraia, Giannutri and Giglio islands.

***Romualdius peyerimhoffi* (Formánek, 1910)**

(Figs. 43a, 43b)

Chorotype. **WME**

Material examined. **Elba Island:** Portoferraio, Monte Orello, 29.III.2013, 1 ex (LFO); 10.XII.2013, 1 ex (LFO); 30.IV.2013, 1 ex (LFO); 1 ex (LFO); Rio nell'Elba, Volterraio pass, 15.X.2014, 1 ex (LFO); Capoliveri, Monte Calamita, SW beacon, 362 m, 1.XI.2013, 5 exx (LFO); Capoliveri, Monte Calamita, Pontimento, N42°43'56" E10°22'54"E 8.I.2014, 1 ex (LFO); Capoliveri, Monte Calamita, 320 m, N42°43'30,0" E10°24'19,7" 24.IX.2016, 4 exx (LFO); 30.IX.2018, 27 exx (LFO); Capoliveri, Monte Calamita, Poggio Fino, 25.IX.2017, 7 exx



Fig. 43a. *Romualdius peyerimhoffi* (Formánek, 1910), dorsal view. Length 3.30 mm.



Fig. 43b. *Romualdius peyerimhoffi* (Formánek, 1910), lateral view. Length 3.30 mm.

(LFO); Capoliveri, Buzzancone, N42°44'33" E10°25'20", 28.VII.2014, 1 ex (LFO).

Notes. Collected sifting under *Cistus* spp., *Erica* sp., *Teucrium marum* L., *Lavandula stoechas* L., *Pistacia lentiscus* L., *Asphodelus* sp., mosses and lichens. New record for the Tuscan Archipelago.

***Romualdius canaliculatus*** (Schaufuss, 1867)  
(Figs. 44a, 44b, 44c, 44d)

Chorotype. **MED**

Material examined. **Elba Island:** Portoferraio, Monte Orello, 4.VI.2017, 14 exx (LFO).

Notes. Collected only once sifting under *Cistus* spp., *Erica arborea*, *Lavandula stoechas* L., *Pistacia lentiscus* L., *Asphodelus* sp., mosses and lichens. New record for the Tuscan Archipelago.

Phyllobiini Schoenherr, 1826

***Phyllobius longipilis*** Boheman, 1843

Chorotype. **AAP**

Literature records. Holdhaus (1924: 110, Elba); Luigioni (1929: 876, Elba); Porta, 1932: 76; Magnano, 1961: 39; Magnano, 1964a: 121; Pesarini, 1981: 145.

Material examined. **Elba Island:** Campo nell'Elba, Monte Perone, Castagnone, 19.VI.2013, 2 exx (LFO); Marciana, Monte Capanne, cableway, 12.V.2012, 1 ex (LFO); Marciana, Monte Capanne, Uviale di Marciana, 6.VII.2012, 1 ex (LFO);

Marciana, Monte Maolo, Sentiero delle Farfalle, 650-700m, 1.VI.2014, 2 exx (LFO); 6.VI.2017, 1 ex (LFO).

Notes. Collected almost exclusively by beating low branches of *Quercus ilex*.



Fig. 44a. *Romualdius canaliculatus* (Schaufuss, 1867), dorsal view. Length 3.30 mm.



Fig. 44b. *Romualdius canaliculatus* (Schaufuss, 1867), lateral view. Length 3.30 mm.



Fig. 44c. *Romualdius canaliculatus* (Schaufuss, 1867), Elba Island habitats.



Fig. 44d. Sifting and looking *Romualdius canaliculatus* (Schaufuss, 1867) on Elba Island.





Fig. 45a. *Polydrusus (Metallites) modestus* (Stierlin, 1864), dorsal view. Length 4.00 mm.

*Polydrusini* Schoenherr, 1823

*Polydrusus (Metallites) modestus* (Stierlin, 1864) (Fig 45a)

Chorotype. **END**

Literature records. Osella (1981: 362, Giannutri). Material examined. **Giannutri Island:** Isola Giannutri, 14-20.V.1978, G. Gardini, L. Briganti, M. Benedetti, A. Torchia e S. Zoia legg, 2 exx (LFO); Giannutri, 13-19.V.1979, M. Benedetti, A. Torchia legg, 1 ex (GOS).

Notes. Rightly, Osella (1981) pointed out that differences between *P. elegantulus* (Boheman, 1840) and *P. modestus* are all but clear. This taxonomic problem can be solved only by a complete revision of the subgenus *Metallites* Germar, 1823, that is beyond the scope of this article. According to Abbazzi, Maggini (2009), *P. modestus* is distributed in Apulia, Basilicata, Calabria and Sicily, apparently overlooking the record by Osella for the Tuscan Archipelago.

*Polydrusus (Metallites) parallelus* (Chevrolat, 1860) (Figs. 46a, 46b)

Chorotype. **WME**

Literature records. Razzauti (1921: 118, Elba); Holdhaus (1923: 110, Elba: Poggio); Luigioni (1929: 882, Elba); Porta (1932: 82, Elba); Abbazzi, Failla (1982: 145, Elba); Abbazzi, Maggini (2009: 146, Elba).

Material examined. **Elba Island:** Portoferraio, Casaccia, 20.IV.2011, 1 ex (LFO); Portoferraio, Monte Orello, 23.IV.2011, 1 ex (LFO); Portoferraio, Colle Reciso, 7.V.2011, 2 exx (LFO); 30.V.2011, 1 ex (LFO); 9.V.2012, 1 ex (LFO); Portoferraio, Buca di Bomba, 20.IV.2012, 3 exx (LFO); Portoferraio, Volterraio, 6.V.2012, 1 ex (LFO); Portoferraio, Volterraio/Macinino, 12.V.2013, 4 exx (LFO); Portoferraio, Acquabona/Casine, 14.IV.2013, 1 ex (LFO); Portoferraio, Santa Lucia, 230 m, 15.IV.2013, 3 exx (LFO); 31.V.2016, 1 ex (LFO); Portoferraio, Monte Orello, 350 m, N42°46'43,3" E10°19'14,8", 2.V.2017, 3 exx (LFO); Rio, path to Nisporto/Nisportino, 3.V.2014, Bellò, Colonnelli legg. 7 exx (LFO); Rio, Monte Arco, 5.V.2014, 2 exx (LFO); Porto Azzurro, Capo d'Arco, 100 m, 25.IV.2012,

1 ex (LFO); 5.V.2014, 1 ex (ECO); Porto Azzurro, 145 m, 5.V.2014, Bellò, Chemello legg. 1 ex (LFO); Capoliveri, Monte Calamita, 24.IV.2015, 5 exx (LFO); Campo nell'Elba, Monte Perone, 600 m, 7.V.2013, 1 ex (LFO); Campo nell'Elba, Torre San Giovanni, 370 m, 4.V.2014, 3 exx (ECO); Campo nell'Elba, Piana al Canale, 28.IV.2015, 1 ex (LFO); Marciana, Monte Capanne, Maciarellò, 300 m, 1.V.2012, 1 ex (LFO); Marciana, Strada Civillina, N42°47'29" E10°10'37", 25.IV.2014, 1 ex (LFO); Marciana, Poggio, N42°46'38" E10°11'14", 25.IV.2014, 1 ex (LFO); Marciana, Uviale di Patresi, path no. 177, 400 m, N42°47'06,3" E10°08'11,0", 24.V.2014, 1 ex (LFO); Marciana, Colle d'Orano, Fosso della Gabbiola, N42°47'02,1" E10°06'45,1", 30.V.2017, 4 exx (LFO); Marciana, Colle Dorano, 135 m, N42°47'01. E10°06'43. 19.V. 2019, Bellò, Chemello legg. 4 exx (LFO). Notes. Collected mainly by beating fronds of *Erica arborea* and *Quercus ilex*, and occasionally sifting litter under Mediterranean scrub.

*Polydrusus (Metallites) marginatus* Stephens, 1831

Chorotype. **EUR**

Material examined. **Elba Island:** Isola d'Elba, VI.1973, G. Castellini leg, 1 ex (PAB).

Notes: New record for the Tuscan Archipelago.

*Polydrusus (Denticonocetus) kahri* Kirsch, 1865

Chorotype. **SEU**

Material examined. **Elba Island:** Portoferraio, Val di Piano, in disused quarry, 5.VI.2011, 1 ex (LFO); Portoferraio, Acquabona, in cork wood, 8.IX.2012, 6 exx (LFO); Portoferraio, Buraccio, 21.V.2013, 7 exx (LFO); 2.VI.2017, 6 exx (LFO); Portoferraio, Colle Santa Lucia, 31.VII.2014, 1 ex (LFO); Portoferraio, Monte Orello, 360 m, 4.VI.2017, 5 exx (LFO); Rio, path to Nisporto/Nisportino, 3.V.2014, Bellò, Colonnelli legg. 1 ex (LFO); Rio Marina, Monte Arco, 6.VI.2014, 1 ex (LFO); Porto Azzurro, Buraccio/Lo Stipito, 7.VI.2013, 1 ex (LFO); Capoliveri, Monte Calamita, Remaiolo stream, near artificial dam, 23.VI.2013, 1 ex (LFO); Capoliveri, Monte Ca-



Fig. 46a. *Polydrusus (Metallites) parallelus* (Chevrolat, 1860), dorsal view. Length 3.80 mm.



Fig. 46b. *Polydrusus (Metallites) parallelus* (Chevrolat, 1860), lateral view. Length 3.80 mm.

lamita, Le Cavallacce, 320 m, 13.VII.2014, 1 ex (LFO); Capoliveri, Gualdo, 8.VI.2014, 11 exx (LFO); Campo nell'Elba, Sant'Ilario, Pietra Acuta, 7.VI.2016, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 28.V.2017, 12 exx (LFO); Campo nell'Elba, Monte Maolo, Sentiero delle Farfalle, 5.V.2018, 1 ex (LFO).

Notes. Collected mainly by beating branches of *Quercus* spp. New record for the Tuscan Archipelago.

*Polydrusus (Eudipnus) frater* Rottenberg, 1871  
Chorotype. **AAP**

Literature records. Holdhaus (1924: 110, Elba; Poggio as *Polydrusus emeryi* Desbrochers, 1872); Luigioni (1929: 883, Elba); Porta (1932: 85, Elba).

Material examined. **Elba Island:** Portoferraio, Colle Reciso, 7.V.2011, 2 exx (LFO); 18.V.2014, 3 exx (LFO); Portoferraio, Colle Reciso, windmill, 17.V.2011, 3 exx (LFO); 9.VII.2012, 3 exx (LFO); Portoferraio, Vecchio Papa, 5.V.2012, 1 ex (LFO); Portoferraio, Volterraio, 6.V.2012, 1 ex (LFO); Portoferraio, Volterraio/Macinino, 12.V.2013, 1 ex (LFO); Rio, Volterraio versante E, 22.IV.2014, 1 ex (LFO); Rio, path to Nisporto/Nisportino, 3.V.2014 Bellò, Colonnelli leg. 1 ex (LFO); Rio, Volterraio, 9.V.2014, 1 ex (LFO); Campo nell'Elba, Monte Perone, 400 m, 19.VI.2011, 1 ex (LFO); Campo nell'Elba, Monte Maolo, 650 m, 1.VI.2014, 1 ex (LFO); Mar-

ciana, Colle D'Orano, 135 m, 19.V.2019, Bellò, Chemello legg, 2 exx (LFO).

Notes. Collected mainly by beating oaks leaves.

*Polydrusus (Neoeustolus) cervinus* (Linnaeus, 1758)

Chorotype. **SIE**

Literature records: Holdhaus (1923: 110, Elba); Luigioni (1929: 884, Elba); Porta (1932: 84, Elba); Osella (1981: 362, Giannutri).

Material examined. **Elba Island:** Portoferraio, Volterraio, 6.V.2012, 1 ex (LFO); Portoferraio, Colle Reciso, 9.V.2012, 1 ex (LFO); 9.VII.2012, 1 ex (LFO); Campo nell'Elba, Monte Perone, San Francesco, 4.V.2014, 1 ex (LFO); Marciana, Monte Capanne above Santuario Madonna del Monte, 21.V.2017, 1 ex (LFO); Marciana, Colle d'Orano, 30.V.2017, 1 ex (LFO); Marciana, Uviale Capepe, 2.VI.2019, 2 exx (LFO).

Notes. Collected mainly by beating oaks leaves.

Sciaphilini Sharp, 1891

*Brachysomus (Brachysomus) hirtus* (Boheman, 1845)

Chorotype. **EUR**

Literature records. Osella (1981: 362, Giannutri).  
Material examined. None.

Brachyderini Schoenherr, 1826

*Brachyderes (Brachyderes) pubescens* Boheman, 1833 (Fig 47a)

Chorotype. **WME**

Material examined. **Gorgona Island:** Torre Vecchia/Ferro di Cavallo, 29.VI.2015, 3 exx (LFO).  
Notes. Collected beating branches of *Quercus ilex* L. New record for the Tuscan Archipelago.

*Caulostrophus subsulcatus* (Boheman, 1833)  
(Figs. 48a, 48b)

Chorotype. **SEU**

Literature records. Holdhaus (1923: 110, Elba; Poggio as *Caulostrophus delarouzei* Fairmaire, 1895); Luigioni (1929: 887, Elba e Giglio); Porta (1932: 99, Elba e Giglio).

Material examined. **Elba Island:** Portoferraio,



Fig. 47a. *Brachyderes (Brachyderes) pubescens* Boheman, 1833, dorsal view. Length 7.50 mm.

Colle Reciso, 17.V.2011, 1 ex (LFO); 7.VII.2013, Frangini leg. 1 ex (LFO); Portoferraio, Acquabona, 2.VI.2012, 5 exx (LFO); 9.VI.2012, 6 exx (LFO); 8.IX.2012, 4 exx (LFO); Portoferraio, San Martino, 3.VI.2012, 1 ex (LFO); Portoferraio, Albereto, 6.X.2012, Frangini leg. 2 exx (LFO); Portoferraio, Volterraio, 8.VIII.2013, 2 exx (LFO); Portoferraio, Buraccio, 40 m, 30.VI.2017, 1 ex (LFO); Rio, Colle a Vita, 67 m, 28.VI.2014, 3 exx (LFO); Campo nell'Elba, Monte Perone, 400 m, 19.VI.2011, 1 ex (LFO); Campo nell'Elba, Monte Perone, Piana al Canale, 15.I.2012, 3 exx (LFO); Campo nell'Elba, Monte Perone, Castagnone, 5.VIII.2012, 4 exx (LFO); 30.VII.2013, 3 exx (LFO); Marcia-



Fig. 48a. *Caulostrophus subsulcatus* (Boheman, 1833) from Elba Island, frontal view. Length 7.00 mm.



Fig.48b. *Caulostrophus subsulcatus* (Boheman, 1833) from Elba Island, lateral view. Length 7.00 mm.

na, Monte Capanne near cableway, 12.V.2012, 1 ex (LFO); 500 m, 7.VII.2012, 3 exx (LFO); Campo nell'Elba, Monte Perone, San Francesco, 26.IX.2012, 9 exx (LFO); Campo nell'Elba, Monte Perone, Piana al Canale, 1.II.2013, 18 exx (LFO); Campo nell'Elba, Monte Maolo, 600 m, 14.VIII.2013, 3 exx (LFO); Marciana, road Civillina, 340 m, 1.IX.2013, 2 exx (LFO); Marciana, Uviale di Patresi, path no. 177, 400 m, 24.V.2014, 1 ex (LFO); Marciana, Colle

d'Orano, 135 m, 19.V.2019, Bellò, Chemello legg, 1 ex (LFO). **Capraia Island:** path to Piana dello Zenobito, Vado della Garbicina, 73 m, 23.V.2016, Bellò, Chemello legg. 1 ex (LFO); Il Piano, 112 m, 23.V.2016, Bellò, Chemello legg. 2 exx (LFO); near former prison entrance, 70 m, 9.IV.2016, Bellò, Chemello, Forbicioni legg, 1 abdomen (LFO). **Giglio Island:** Giglio Castello, 17/19.V.2012, 1 ex (LFO); Mezzo Franco, 17/19.V.2012, 2 exx (LFO); Acqua Selvaggia, 17/19.V.2012, 2 exx (LFO); Campese, Franco promontory, 60 m, 2.V.2014, Bellò, Chemello, Colonnelli, Meloni legg, 1 abdomen (LFO); 122 m, 9.IV.2016, Bellò, Chemello, Forbicioni legg, 1 abdomen (LFO); 9.IV.2016, 1 ex (LFO); Acqua Selvaggia, 4.V.2016, 1 ex (LFO). **Montecristo Island:** Le Vasche, 28. VI. 1978, R. Poggi, 1 abdomen (MSNG); Cala Maestra, 15. V. 1983, R. Poggi, 1 abdomen (MSNG); Cala Maestra, 7.VI.2015, 10 exx (LFO); path to Monastero, 150 m, 11.X.2015, Bellò, Chemello legg, 1 abdomen (LFO).

Notes. Collected by both beating *Quercus ilex* L. leaves, and sifting litter taken under *Olea* sp. and Mediterranean scrub. New record for the Capraia, Giglio e Montecristo islands.



Fig. 49a. *Strophomorpha porcellus* (Schoenherr, 1832), Pianosa Island habitats.

***Strophomorphus porcellus*** (Schoenherr, 1832)  
(Fig 49a)

Chorotype. **MED**

Literature records. Osella (1981: 364, Giannutri).

Material examined. **Montecristo Island:** malaise trap, 15-30.VII.2000, Strumia leg. 1 ex (MSUC). **Pianosa Island:** village surroundings, 6.V.2014, 1 ex (LFO), 1 ex (ECO); Cala dei Turchi 6.V.2014, C.Bellò leg, 2 exx (LFO).

Notes. Collected in malaise trap, sifting and beating low vegetation at night. New record for Montecristo and Pianosa islands.

Naupactini Gistel, 1848

***Naupactus cervinus*** Boheman, 1840

Chorotype. **COS**

Material examined. **Elba Island:** Portoferraio, Acquabona, 21.IX.2010, 2 exx (LFO); Portoferraio, dintorni di Monte Fabrello, 8.V.2014, 1 ex (LFO).

Notes. Alien species distributes in several Italian regions, sometimes injurious to ornamental plants and fruit trees. New record for the Tuscan Archipelago.



Fig. 50a. *Coelositona puberulus* (Reitter, 1903), dorsal view. Length 5.00 mm.



Fig. 50b. *Coelositona puberulus* (Reitter, 1903), lateral view. Length 5.00 mm.

Sitonini Gistel, 1848

***Coleositona limosus*** (Rossi, 1792)

Chorotype. **EUR**

Literature records Holdhaus (1923: 110, Elba); Luigioni (1929: 889, Elba); Porta (1932: 105, Elba), all quoted as *Sitona limosus*.

Material examined. **Elba Island:** Portoferraio, San Giovanni, 28.III.2012, 1 ex (LFO); 4.IV.2012, 2 exx (LFO); 15.IV.2016, 7 exx (LFO); Capoliveri, Gualdo, 50 m, 5.IV.2011, 1 ex (LFO); Capoliveri, Mola marsh, 2.IV.2016, 1 ex (LFO); Capoliveri, Strada Naregno, 3.IV.2016, 1 ex (LFO); Marciana, Valle di Pomonte, 17.IV.2013, 1 ex (LFO).

Notes. Sampled by sifting under Fabaceae.

***Coelositona puberulus*** (Reitter, 1903)

(Figs. 50a, 50b)

Chorotype. **SEU**

Literature records. Holdhaus (1923: 110, Elba); Luigioni (1929: 889, Elba); Porta (1932: 105, Elba), all quoted as *Sitona cambricus* Stephens, 1831); Dieckmann (1963: 26, Elba); Pesarini (1972: 78, Elba); Colonnelli (1983: 137, Elba); Abbazzi, Osella (1992: 318, Elba); Bordoni (1995, Elba), all quoted as *Sitona puberulus*.

Material examined. **Elba Island:** Portoferraio, San Giovanni, 24.X.2010, 1 ex (LFO); 4.XI.2010, 1 ex (LFO); 6.XII.2014, 2 exx (LFO); 3.III.2015, 1 ex (LFO); Portoferraio, Le Prade, 6.XI.2010, 2 exx (LFO); Portoferraio, Schiopparello, Il Frantoio, 09.X.2019, 1 ex (LFO); Capoliveri, Lacona, road to Colle Reciso, 17.XII.2013, 2 exx (LFO); Campo nell'Elba, San Piero, 13.V.2017, 1 ex (LFO).

Notes. Sifting in olive grove and under *Lotus* spp.

***Charagmus gressorius*** (Fabricius, 1792)

(Fig 51a)

Chorotype. **CEM**

Literature records. Razzauti (1921: 118, Elba; Marciana); Holdhaus (1923: 110); Luigioni (1929: 889, Elba), all quoted as *Sitona gressorius*.

Material examined. **Elba Island:** Portoferraio, San Giovanni, 2.XI.2012, 1 ex (LFO); Portoferraio, Valle di Lazzaro, 9.IV.2015, 2 exx (LFO); Portoferraio, Via Reiter, 3.X.2017, 1 ex (LFO); Capoliveri, Monte Calamita, SW beacon, 362 m, 1.XI.2013, 1 ex (LFO); Capoliveri, Monte Calamita, 320 m, near fire pit, 30.IX.2018, 1 ex (LFO); 16.X.2019, 1 ex (LFO); Capoliveri, above Capanna di Gustavo, 2.XI.2013, 1 ex (LFO);



Fig. 51a. *Charagmus gressorius* (Fabricius, 1792), dorsal view. Length 8.00 mm.

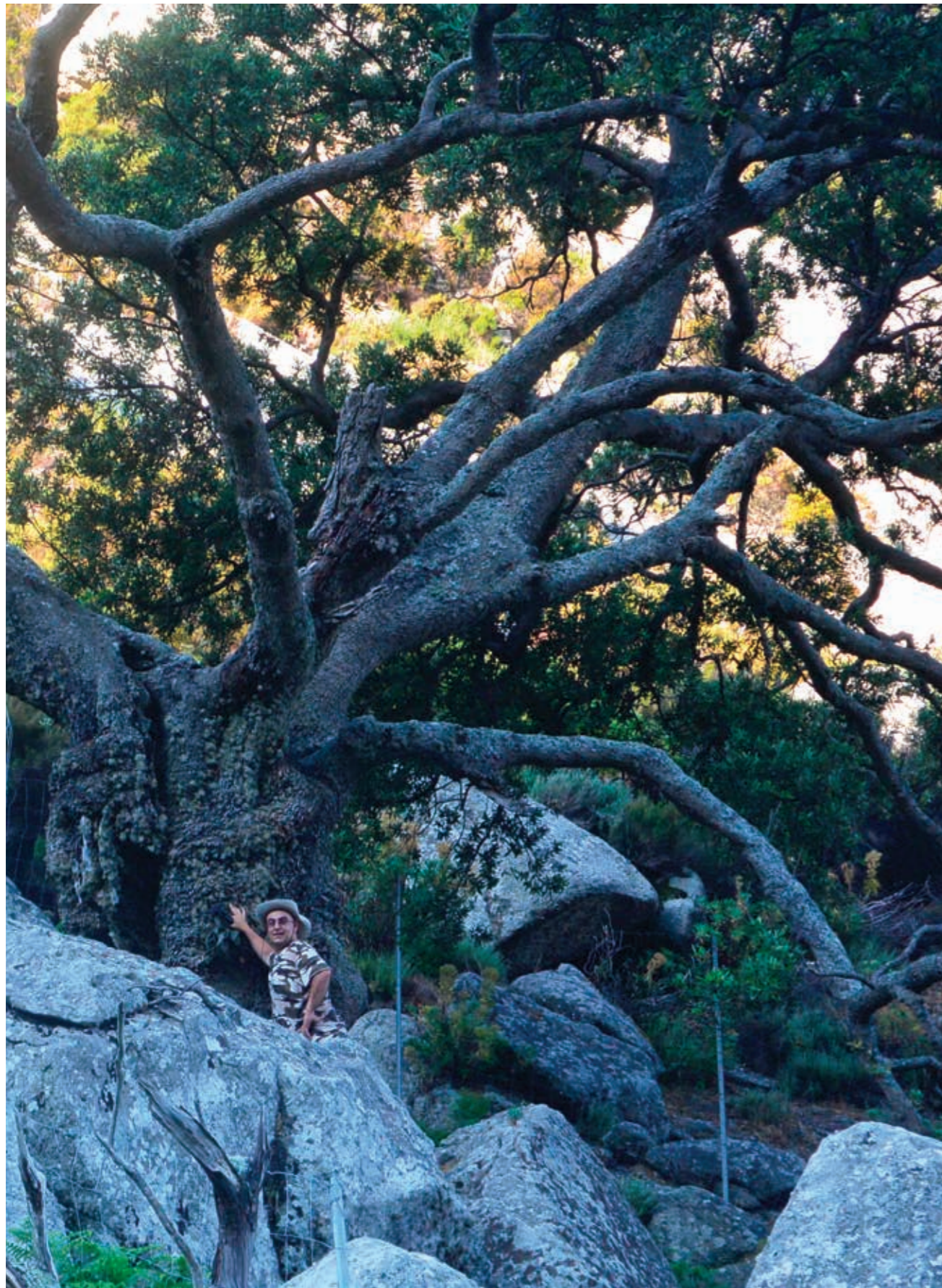


Fig. 52a. *Sitona tenuis* Gyllenhal, 1834, Montecristo Island habitats.

Campo nell'Elba, San Piero, 6.VI.2004, (SCU), 1 ex; Campo nell'Elba, Seccheto, Vallebuia, 28.IV.2015, 1 ex (LFO).

Notes. Collected sifting under Fabaceae and beating mainly *Lupinus* spp.

***Charagmus intermedius*** (Küster, 1847)

Chorotype. SEU

Literature records. Holdhaus (1923: 110, Elba); Porta (1932: 104, Elba); Magnano (1964a: 124); Abbazzi *et alii* (2004: 69, Pianosa), all quoted as *Sitona intermedius*.

Material examined. **Elba Island:** Elba, 17.IX-3.X.2000, F. Strumia leg. 2 exx (MSUC); **Pianosa Island:** 15-26.IX.2000, F. Strumia leg. 2 exx (MSUC); Punta dei Bagni, N42°35'41" E10°05'33", 6.V.2014, Bellò, Chemello leg. 1 ex (LFO); village surroundings, 6.V.2014, 1 ex (ECO).

Notes. Collected sifting under Fabaceae and *Pistacia lentiscus* L. The specimens collected from Strumia were captured with malaise traps.

***Sitona tenuis*** Gyllenhal, 1834 (Fig 52a)

Chorotype. EUM

Material examined. **Montecristo Island:** Collo dei Lecci, 430 m, 29.IX.2016, 1 ex (ECO).

Notes. New record for the Tuscan Archipelago.

***Sitona waterhousei*** (Walton, 1846)

Chorotype. SEU

Material examined. **Elba Island:** Portoferraio, Santa Lucia, 230 m, 15.IV.2013, 1 ex (LFO).

Notes. Rare species collected sifting in garrigue. New record for the Tuscan Archipelago.

***Sitona discoideus*** (Gyllenhal, 1834)

Chorotype. WME

Material examined. **Elba Island:** Portoferraio, Le Prade, 6.XI.2010, 5 exx (LFO); Portoferraio, San Giovanni, 5.II.2011, 1 ex (LFO); 28.III.2012, 1 ex (LFO); 2.IX.2012, 1 ex (LFO); Portoferraio, Colle Reciso, windmill, 17.V.2011, 1 ex (LFO); Portoferraio, Buraccio, ditch of Buraccio, vaglio ulivi, 11.X.2013, 2 exx (LFO); Portoferraio, Buraccio, N42°46'45" E10°21'23", 14.IX.2014, 4 exx (LFO); Portoferraio, Montebello, 2.V.2015,

1 ex (LFO); Portoferraio, Valdana-Bivio Norisi, 27.V.2015, 2 exx (LFO); Portoferraio, Valle di Lazzaro, 10.IV.2017, 2 exx (LFO); Portoferraio, Monte Orello, 350 m, N42°46'43,3" E10°19'14,8", 2.V.2017, 2 exx (LFO); Portoferraio, Monte Orello, 370 m, N42°46'43,7" E10°19'15,2", 7.VII.2017, 1 ex (LFO); Portoferraio, Forte Inglese, 11.X.2019, 2 exx (LFO); Rio, Le Conche, 16.X.2014, 1 ex (LFO); Capoliveri, Monte Calamita, Capanna di Gustavo, 167 m, 26.XI.2013, 1 ex (LFO); Campo nell'Elba, San Piero, 8.VI.2004, (SCU), 3 exx. **Capraia Island:** Cala Zurletto, 69 m, N43°02.683' E9°50.811', 25.V.2014, Bellò, Chemello legg. 3 exx (LFO). **Giglio Island:** Fontuccia, 150 m, 1.IV.2014, 1 ex (ECO); **Pianosa Island:** village surroundings, 6.V.2014, 2 exx (LFO), 3 exx (ECO); 2.VI.2014, 1 ex (LFO); road to Punta Secca, 7.V.2014, 1 ex (LFO).

Notes. Collected sifting under Fabaceae and beating mainly *Trifolium* spp. New record for the Tuscan Archipelago.

***Sitona puncticollis*** Stephens, 1831

Chorotype. EUM

Literature records. Holdhaus (1923: 110, Elba); Luigioni (1929: 891, Elba); Porta (1932: 107, Elba).

Material examined. **Elba Island:** Portoferraio, Monte Orello, 120 m, 23.IV.2011, 1 ex (LFO); 10.XII.2013, 1 ex (LFO). **Gorgona Island:** Torre Vecchia/Ferro di Cavallo, 29.VI.2015, 3 exx (LFO).

Notes. Collected sifting under Fabaceae. New record for the Gorgona Island.

***Sitona verecundus*** (Rossi, 1790)

Chorotype. SEU

Material examined. **Elba Island:** Portoferraio, Le Prade, 6.XI.2010, 1 ex (LFO); Portoferraio, Acquabona, 20 m, 26.V.2011, 1 ex (LFO); Portoferraio, Santa Lucia, 230 m, 15.IV.2013, 1 ex (LFO); Capoliveri, Pian di Mola, 9.VI.2011, 1 ex (LFO).

Notes. Collected sifting under Fabaceae and beating *Lotus* spp. and *Trifolium* spp. New record for the Tuscan Archipelago.

***Sitona hispidulus*** (Fabricius, 1777)Chorotype. **PAL**

Material examined. **Elba Island:** Portoferraio, San Giovanni, 1.IX.2010, 1 ex (LFO); 17.XI.2010, 2 exx (LFO); 18.X.2013, 1 ex (LFO); 6.XII.2014, 3 exx (LFO); 16.V.2015, 1 ex (LFO).

Notes. Collected sifting under Fabaceae and beating *Lotus* spp. and *Trifolium* spp. New record for the Tuscan Archipelago.

***Sitona cinnamomeus*** (Allard, 1863)Chorotype. **SEU**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Buraccio, 2.VI.2017, 2 exx (LFO); Capoliveri, Mola/Calanchiole, 31.V.2012, 1 ex (LFO); Capoliveri, Pian di Mola, 9.VI.2011, 1 ex (LFO). **Capraia Island:** Lo Stagnone, 22.V.2016, 1 ex (LFO).

Notes. Collected by sweeping Fabaceae and sifting under them. New record for the Elba Island and the Capraia Island.

***Sitona gemellatus*** (Gyllenhal, 1834)Chorotype. **EUM**

Literature records. Holdhaus (1923: 110, Elba); Luigioni (1929: 891, Elba); Porta (1932: 107, Elba); Magnano (1964a: 124, Elba).

Material examined. **Elba Island:** Portoferraio, Le Prade, 6.XI.2010, 1 ex (LFO); Portoferraio, Monte Orello, sfalcio, 23.IV.2011, 2 exx (LFO); Portoferraio, Monte Orello, north side, 10.XII.2013, 1 ex (LFO); Portoferraio, Acquabona, 36 m, 12.III.2014, 2 exx (LFO); Portoferraio, Punta della Rena, 9.VI.2014, 2 exx (LFO); 15.VI.2013, 1 ex (LFO); Portoferraio, Albereto-Montebello, 7.IX.2014, 1 ex (LFO); Portoferraio, San Giovanni, 28.III.2012, 2 exx (LFO); Portoferraio, Santa Lucia, 230 m, 15.IV.2013, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 3.IV.2013, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 30.V.2016, 2 exx (LFO); 6.VI.2016, 1 ex (LFO); 28.V.2017, 21 exx (LFO); Campo nell'Elba, Fosso Stabiati, 27.V.2018, 1 ex (LFO).

Notes. Collected sweeping *Lathyrus* spp. or sifting under Fabaceae.

***Sitona obsoletus obsoletus*** (Gmelin, 1790)Chorotype. **EUM**

Literature records. Holdhaus (1923:110, Elba); Luigioni (1929: 891, Elba); Porta (1932: 108, Elba), all quoted as *Sitona flavescens* (Marsham, 1802).

Material examined. None.

Notes. A common species across almost all Palaearctic, introduced in North America and Australia. Although we did not collect further material, its presence on Elba Island is almost sure.

***Sitona lineatus*** (Linnaeus, 1758)Chorotype. **PAL**

Literature records. Holdhaus (1923: 110, Elba); Luigioni (1929: 890, Elba); Porta (1932: 106, Elba); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 17.XI.2010, 1 ex (LFO); 28.III.2012, 5 exx (LFO); 4.IV.2012, 2 exx (LFO); 15.IV.2016, 10 exx (LFO); Portoferraio, Fosso del Buraccio, 11.X.2013, 1 ex (LFO); Portoferraio, Buraccio, 18.III.2016, 13 exx (LFO); 9.IV.2017, 1 ex (LFO); 2.VI.2017, 2 exx (LFO); Portoferraio, Schiopparello/Le Prade, 8.V.2014, 1 ex (LFO); 17.V.2015, 1 ex (LFO); Portoferraio, Le Prade, 3.XI.2015, 1 ex (LFO); Portoferraio, Punta della Rena, 9.VI.2014, 4 exx (LFO); Portoferraio, Tre Acque, 14.IV.2016, 1 ex (LFO); Porto Azzurro, Mola, 10.V.2014, 2 exx (LFO); Capoliveri, Mola marsh, 3.V.2011, 1 ex (LFO); 21.III.2012, 2 exx (LFO); 12.III.2016, 1 ex (LFO); 2.IV.2016, 3 exx (LFO); Capoliveri, Naregno, 10.X.2010, 1 ex (LFO); Capoliveri, Mola, 19.IV.2012, 6 exx (LFO); Capoliveri, Mola/Calanchiole, 3.IV.2013, 4 exx (LFO); 31.V.2014, 2 exx (LFO); 12.III.2016, 9 exx (LFO); Capoliveri, path to Naregno, 3.IV.2016, 2 exx (LFO); Capoliveri, Monte Calamita, 310 m, near fire pit, 2.VII.2017, 1 ex (LFO); Campo nell'Elba, Bonalaccia/ Marina 2, 1.IV.2012, 2 exx (LFO); Campo nell'Elba, Bonalaccia, 8.VI.2016, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 6.I.2013, 1 ex (LFO); Campo nell'Elba, San Piero near sports field, 23.III.2014, 1 ex (LFO); Campo nell'Elba, Monte Perone, Piana al Canale, 27.VI.2015, 1 ex (LFO). **Pianosa Island:** 12/14.IV.2012, 2 exx

(LFO); village surroundings, 12.X.2013, 1 ex (LFO); Cala dell'Alga, 15.VI.2016, 1 ex (LFO). Notes. One of the commonest and widespread species on Elba Island collected sweeping Fabaceae or sifting under them.

***Sitona humeralis*** Stephens, 1831Chorotype. **WPA**

Literature records. Razzauti (1917: 216, Capraia, Gorgona); Razzauti (1921: 118, Capraia, Gorgona); Holdhaus (1923: 110, Elba); Luigioni (1929: 892, Elba, Capraia, Gorgona); Porta (1932: 110, Elba, Capraia, Gorgona); Abbazzi *et alii*, (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 4.XI.2010, 2 exx (LFO); 28.III.2012, 2 exx (LFO); 7.VII.2013, 1 ex (LFO); Portoferraio, Le Prade, 6.XI.2010, 4 exx (LFO); Portoferraio, Tre Acque, 4.IV.2012, 1 ex (LFO); Portoferraio, Santa Lucia, 31.V.2016, 1 ex (LFO); Portoferraio, Valle di Lazzaro, 10.IV.2017, 2 exx (LFO); Portoferraio, Buraccio, 2.VI.2017, 2 exx (LFO); Porto Azzurro, Mola wet area/near beach, 6.VI.2014, 1 ex (LFO); Porto Azzurro, Monte Castello, 320 m, 6.X.2017, 1 ex (LFO). Capoliveri, Lacona, 26.III.2012, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 12.III.2016, 1 ex (LFO); Capoliveri, path to Naregno, 3.IV.2016, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 6.VI.2016, 1 ex (LFO); **Pianosa Island:** Pianosa, 12/14.IV.2012, 1 ex (LFO); near sports field, 14.II.2014, 1 ex (LFO). Notes. Common species on Elba Island collected sweeping Fabaceae or sifting under them.

***Sitona ophtalmicus*** Desbrochers, 1869Chorotype. **SEU**

Literature records. Holdhaus (1923: 110, Elba); Luigioni (1929: 890, Elba); Porta (1932: 107, Elba).

Material examined. **Elba Island:** Portoferraio, Monte Orello, 350-370 m, 2.V.2017, 5 exx (LFO); 7.VII.2017, 4 exx (LFO); Capoliveri, Mola/Calanchiole, 3.VI.2015, 2 exx (LFO); Marciana, Monte Capanne, near the top, 1000 m, 8.VII.2018, 1 ex (LFO).

Notes. Collected sifting under Fabaceae.

***Sitona sulcifrons*** (Thunberg, 1798)Chorotype. **WPA**

Literature records. Holdhaus (1923: 110, Elba); Luigioni (1929: 890, Elba); Porta (1932: 107, Elba).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 12.VIII.2010, 1 ex (LFO); 1.IX.2010, 1 ex (LFO); 7.X.2010, 7 exx (LFO); 2.XI.2012, 4 exx (LFO); 7.IV.2014, 1 ex (LFO); 9.VI.2014, 1 ex (LFO); 6.XII.2014, 6 exx (LFO); 5.V.2015, 1 ex (LFO); 16.V.2015, 1 ex (LFO); 11.I.2016, 1 ex (LFO); 15.IV.2016, 1 ex (LFO); Portoferraio, San Giovanni/Terme, 17.XI.2010, 13 exx (LFO); Portoferraio, Le Prade, 26.IX.2010, 1 ex (LFO); 6.XI.2010, 2 exx (LFO); 10.VI.2014, 1 ex (LFO); 3.XI.2015, 22 exx (LFO); Portoferraio, Tre Acque, 4.IV.2012, 1 ex (LFO); Portoferraio, Buraccio, 8.II.2015, 1 ex (LFO); 2.VI.2017, 1 ex (LFO); Portoferraio, Volterraio, 12.VIII.2015, 1 ex (LFO); Porto Azzurro, Mola, Palude, 29.XI.2015, 3 exx (LFO); Porto Azzurro, Mola, wet area near the beach, 6.VI.2014, 2 exx (LFO); Capoliveri, Naregno, 10.X.2010, 1 ex (LFO); Capoliveri, Mola, 19.IV.2012, 2 exx (LFO); Capoliveri, Mola, wet area, 2.IV.2016, 2 exx (LFO); Capoliveri, Mola/Calanchiole, 2.VII.2013, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 31.V.2014, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 22.VIII.2010, 1 ex (LFO); Campo nell'Elba, Bonalaccia/Marina 2, 1.IV.2012, 4 exx (LFO); Campo nell'Elba, Monte Perone, 650 m, 21.VI.2015, 1 ex (LFO). Notes. Another common species on various Fabaceae.

Tanymecini Lacordaire, 1863

***Cycloderes (Cycloderes) canescens*** (Rossi, 1792)Chorotype. **SEU**

Literature records. Razzauti (1921: 118, Elba); Holdhaus (1923: 110), both as *Thylacites lapidarius* Gyllenhal, 1833; Luigioni (1929: 895, Elba); Porta (1932: 115, Elba); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Albereto, 22.IX.2010, G. Frangini leg. 1

ex (LFO); 6.X.2012, G. Frangini leg. 2 exx (LFO); Capoliveri, Monte Calamita, Miniera del Vallone, 28.IX.2014, 1 remain (LFO). **Pianosa Island:** village surroundings, 7.X.2013, 1 ex (LFO). **Giglio Island:** Giglio Island, 7-23.VII.2003, F. Strumia leg. 1 ex (MSUC). **Capraia Island:** Capraia Island, 13.V-15.VI.2001, R. Lisa leg. 1 ex (CAB).  
Notes. Collected sifting mainly in garrigue. The specimen collected from Strumia were captured with malaise traps. New record for the Capraia Island.

*Cycloderes (Cycloderes) depilis* (Fairmaire, 1863) (Figs. 53a, 53b)  
Chorotype. **END**

Literature records. Razzauti (1921: 118, Gorgona); Luigioni (1929: 895, Gorgona); Porta (1932: 115, Gorgona), all quoted as *Thylacites fritillum* (Panzer, 1794); Porta (1932: 116, Giglio as *Thylacites doriae* Desbrochers, 1903); Porta, 1959: 280 (Elba and Giglio).

Material examined. **Elba Island:** Portoferraio,

San Giovanni, 16.XII.2008, 1 ex (LFO); Portoferraio, Albereto, 2.X.2010, 1 ex (LFO); Portoferraio, in town, 25.X.2011, 3 exx (LFO); Rio, Capo d'Arco, 130 m, N42°46'44" E10°22'54", 26.I.2014, 1 ex (LFO). **Capraia Island:** Lo Stagnone, 325 m, N43°02'25 E9°48'34, 26.V.2014, Bellò, Chemello legg. 1 ex (rest) (LFO). **Pianosa Island:** village surroundings, 12.X.2013, 1 ex (LFO).

Notes. Collected sifting mainly in garrigue and under *Teucrium marum* L. New record for the Capraia and Pianosa islands.

Byrsopagini Lacordaire, 1863

*Rhytideres plicatus* (Olivier, 1790) (Fig 54a)

Chorotype. **MED**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Pianosa Island:** village surroundings, 12.X.2013, 2 exx (LFO).

Notes. Both specimens were collected climbing on a wall.



Fig. 53a. *Cycloderes (Cycloderes) depilis* (Fairmaire, 1863) from Elba Island, frontal view. Length 8.00 mm.



Fig. 53b. *Cycloderes (Cycloderes) depilis* (Fairmaire, 1863) from Elba Island, lateral view. Length 8.00 mm.



Fig. 54a. *Rhytideres plicatus* (Olivier, 1790) from Elba Island, dorsal view. Length 14.00-16.00 mm.

**Lixinae Schoenherr, 1823**  
Cleonini Schoenherr, 1826

***Bothynoderes affinis*** (Schrank, 1781)

Chorotype. ASE

Material examined. **Elba Island:** Capoliveri, Monte Calamita, 14.IX.2009, 1 ex (LFO).

Notes. New record for the Tuscan Archipelago.

***Mecaspis alternans*** (Herbst, 1795)

Chorotype. SEU

Literature records. Holdhaus (1923: 110, Elba); Luigioni (1929: 899, Elba); Porta (1932: 126, Elba).

Material examined. **Elba Island:** Portoferraio, Buraccio, Casa Galletti, 8.V.2014, 1 ex (LFO).

**Giglio Island:** Isola del Giglio, 24.V.1967, 1 ex (GOS).

Notes. Elba Island: specimen was collected while was walking on the ground. New record for the Giglio Island.

***Leucophyes pedestris*** (Poda, 1761)

Chorotype. SEU

Literature records. Razzauti (1906: 114, Elba: Portoferraio as *Cleonus pedestris*). Razzauti (1921: 119); Holdhaus (1923: 110, Elba); Luigioni (1929: 897, Elba); Porta (1932: 126, Elba), all quoted as *Leucosomus pedestris*.

Material examined. **Elba Island:** Isola d'Elba, 27.XII.1965, 1 ex (GOS).

Notes. Razzauti (1906) quoted this species as "very common in wheat fields near Portoferraio". A weevil is becoming increasingly rare in all of central Italy (Colonnelli *pers. obs.*).

***Pachycerus segnis*** (Germar, 1823)

Chorotype. CAM

Literature records: Holdhaus (1923: 110 as *Pachycerus cordiger*); Luigioni (1929: 898, Elba) Porta (1932: 128), both as *Pachycerus madidus* (Olivier, 1807).

Material examined. None.

Notes. A now uncommon Palaerctic specie, whose presence on Elba is possible.

***Coniocleonus tabidus*** (Olivier, 1790) (Fig 55a)

Chorotype. WME

Literature records. Razzauti (1921: 119, Elba: Marciana); Holdhaus (1923: 110, Elba: Marciana), both as *Coniocleonus pelletii* Fairmaire, 1859); Porta (1932: 124, Elba); Pesarini (1966: 162, Elba); Abbazzi, Sforzi (2001: 265, Elba).

Material examined. **Capraia Island:** presso Laghetto dello Stagnone, 16.VII.1996, F. Terzani leg. 1 ex (CAB); **Montecristo Island:** Montecristo, 28.IX.1969, B. Baccetti leg. 1 ex (GOS); dintorni di Cala Maestra, 50 m, 29.IX.2016, G. Meloni leg. 1 ex (ECO).

Notes. Species related to *Cistus*, occasionally collected in late summer or autumn walking on the ground. New record for the Capraia and Montecristo islands.

***Pseudocleonus (Pseudocleonus) carinatus*** (Gyllenhal, 1834)

Chorotype. SEU

Literature records. Holdhaus (1923: 110, Elba); Luigioni (1929: 899, Elba), both as *Pseudocleonus senilis* (Rosenhauer, 1856); Porta (1932: 127, Elba as *Pseudocleonus carinatus* v. *senilis*); Colonnelli (1983a: 143, Elba).

Material examined. **Elba Island:** Capo Enfola, 16.IV.1957, 1 ex (GOS); Isola d'Elba, 29.V.1976, Bellò leg, 1 ex (GOS).

Notes. A thermophilous Palaearctic weevil becoming increasingly rare (Colonnelli *pers. obs.*).

***Pseudocleonus (Pseudocleonus) cinereus*** (Schrank, 1781) (Fig 56a)

Chorotype. ASE

Material examined. **Elba Island:** Portoferraio, Buraccio, 6.V.2012, 1 ex (LFO); 18.III.2016, 1 ex (LFO); 9.IV.2017, 1 ex (LFO). **Giglio Island:** Capel Rosso, 9.IV.2016, 1 ex (resto) (LFO).

Notes. Collected walking on the ground. New record for the Tuscan Archipelago.



Fig. 55a. *Coniocleonus tabidus* (Olivier, 1790), dorsal view. Length 16.00 mm.



Fig. 56a. *Coniocleonus tabidus* (Olivier, 1790), dorsal view. Length 13.00 mm.





Fig. 57a. Male specimen of *Lixus (Compsolixus) anguinus* (Linnaeus, 1767) attempting to copulate a female of *Lixus (Eulixus) myagri* Olivier, 1807. Length 11.50 mm.

***Lixomorphus algerus*** (Linnaeus, 1758)

Chorotype. **WME**

Literature records. Razzauti (1917: 216, Capraia: Monte Rucitello as *Cleonus barbarus* (Olivier, 1791)); Razzauti (1921: 119, Elba: Marciana e Capraia); Holdhaus (1923: 110 (as *Lixomorphus barbarus* Ol.); Luigioni (1929: 901, Elba e Capraia), all quoted as *Lixomorphus barbarus*; Porta, 1932: 130 (Elba, as *Lixomorphus ocularis* (Fabricius, 1792).

Material examined. **Elba Island:** Portoferraio, Buraccio, 17.V.2016, 1 ex (LFO). **Capraia Island:** Isola di Capraia, 15.IV.1968, F. Giusto leg, 1 ex (GOS); 25.V.1995, 1 ex (SCU). **Giglio Island:** Isola del Giglio, V.1964, Zagani leg, 1 ex (GOS); Campese, in incolto, 16.IV.2011, 2 exx (LFO).

Notes. New record for the Giglio Island.

Lixini Schoenherr, 1823

***Lixus (Eulixus) iridis*** Olivier, 1807

Chorotype. **SIE**

Literature records. Holdhaus (1923: 110, Elba); Luigioni (1929: 901, Elba); Porta (1932: 132, Elba).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 25.IV.2011, 10 exx (LFO); Portoferraio, Tre Acque, 4.IV.2012, 1 ex (LFO); Porto Azzurro, Mola, wet area/beach, 6.VI.2014, 1 ex (LFO). **Giglio Island:** Vado del Mulino, 4.V.2016, 1 ex (LFO).

Notes. Collected on *Helosciadium nodiflorum* (L.) W.D.J. Koch.

Lixini Schoenherr, 1823

***Lixus (Eulixus) iridis*** Olivier, 1807

(Figs. 57a, 57b, 57c)

Chorotype. **ASE**

Literature records. Razzauti (1921: 119, Elba: Marciana); Holdhaus, (1924: 110, Elba); Luigioni (1929: 902, Elba); Porta (1932: 133, Elba).

Material examined. **Elba Island:** Portoferraio, Concia di Terra, 11.VI.2015, 10 exx (LFO); Portoferraio, Sghinghetta, 24.VII.2015, 6 exx (LFO); Portoferraio, Via Mentana, 4.V.2017, 1

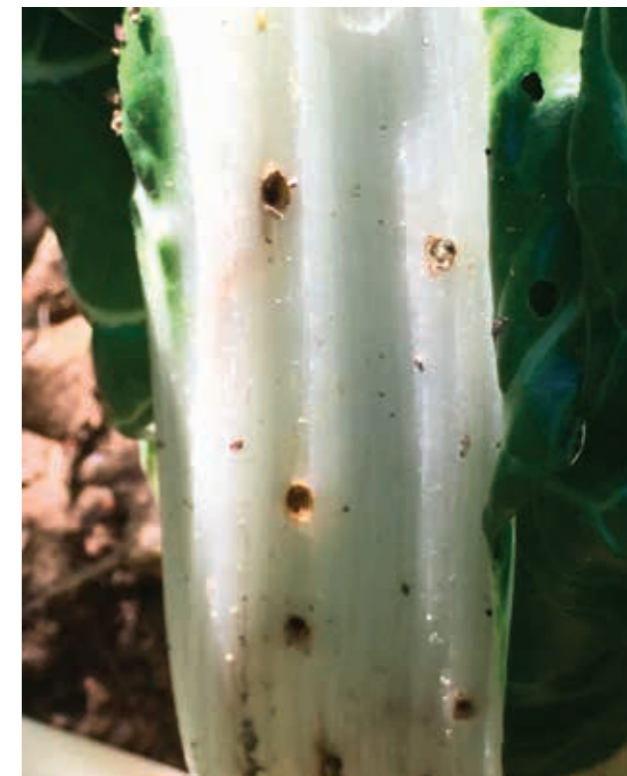


Fig. 57b. Attack by *Lixus (Compsolixus) juncii* Boheman, 1836 on cultivated *Beta* sp. Length 11.50 mm



Fig. 57c. Larva of *Lixus (Eulixus) myagri* Olivier, 1807 on cultivated *Brassica* sp. Length 11.50 mm.

ex (LFO); 1.VII.2017, 2 exx (LFO).

Notes. Collected on cultivated *Brassica*.

***Lixus (Ortholixus) angustus*** (Herbst, 1795)

Chorotype: TUE

Literature records: Razzauti (1921: 119, Elba: Portoferraio); Holdhaus (1923: 111, Elba: Portoferraio); Luigioni (1929: 902, Elba); Porta (1932: 136, Elba), all quoted as *Lixus sanguineus* (Rossi, 1792).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 20.IX.2009, 1 ex (LFO); 20.XI.2009, 1 ex (LFO); 16.IX.2010, 1 ex (LFO); 20.X.2010, 1 ex (LFO); Portoferraio, Le Prade, 30.XI.2015, 1 ex (LFO).

Notes. Collected beating Asteraceae, mainly *Picris hieracioides* L.



Fig. 58a. *Lixus (Ortholixus) acicularis* Germar, 1823, dorsal view. Length 7.50 mm.

***Lixus (Ortholixus) acicularis*** Germar, 1823 (Fig 58a)

Chorotype: TUM

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 902, Elba); Porta (1932: 134, Elba).

Material examined. **Elba Island:** Rio, Volterraio, 325 m, Bellò, Chemello legg, 1 ex (LFO); Marciana, Colle D'Orano, 135 m, 19.V.2019, Bellò, Chemello legg, 1 ex (LFO).

Notes. Collected beating Asteraceae, mainly *Dittrichia viscosa* (L) Greiter.

***Lixus (Ortholixus) vilis*** (Rossi, 1790)

Chorotype: TEM

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 904, Elba); Porta (1932: 136, Elba).

Material examined. **Elba Island:** Isola d'Elba, VII.1962, Meneghetti leg, 1 ex (GOS); Portoferraio, Albereto, 7.VII.2013, 1 ex (LFO); Portoferraio, Colle Reciso, 14.VII.2013, G. Frangini leg, 1 ex (LFO); Rio, Monte Serra, 302 m, 19.IX.2001, C. Bellò leg. 1 ex (GOS); Campo nell'Elba, Monumento, 260 m, 20.IX.2001, C. Bellò leg. 1 ex (GOS). **Gorgona Island:** Torre Vecchia, Ferro di Cavallo, 29.VI.2015, 1 ex (LFO).

Notes. Collected mainly under *Erodium* sp. and sifting under *Pistacia lentiscus* L. New record for the Gorgona Island.

***Lixus (Compsolixus) anguinus*** (Linnaeus, 1767) (Figs. 59a, 59b, 59c, 59d)

Chorotype: WME

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, 7.IV.2008, 1 ex (LFO); Portoferraio, Volterraio/Cima del Monte, 15.VI.2013, 1 ex (LFO); Portoferraio, Via Reitter, 1.VII.2017, 4 exx (LFO); Capoliveri, Lacona, 28.IV.1985, Sette leg, 2 exx (GOS); Capoliveri, Lacona beach, 13.VIII.2012, 1 ex (LFO); Capoliveri, Monte Calamita, Innamorata, 120 m, 10.V.2014, 1 ex (LFO); Capoliveri, Mola, wet area, 17.V.2014, 1 ex (LFO); Porto Azzurro, Mola/Lo Stipito, 2.III.2017, 3



Fig. 59a. *Lixus (Compsolixus) anguinus* (Linnaeus, 1767) on Elba Island, dorsal view. Length 15.00 mm.



Fig. 59b. *Lixus (Compsolixus) anguinus* (Linnaeus, 1767) on Elba Island, lateral view. Length 15.00 mm.



Fig. 59c. *Lixus (Compsolixus) anguinus* male and female in copula. Length 15.00 mm.

exx (LFO). **Giglio Island:** Isola del Giglio, 28.III.1966, 1 ex (GOS); 3.VI.2014, Roger Vila leg, 1 ex (LFO). **Pianosa Island:** village surroundings, 13.IV.2013, 2 exx (LFO); 6.V.2014, 1 ex (LFO), 1 ex (ECO); 11.IV.2015, 1 ex (LFO). Notes. Collected on Brassicaceae. New record for the Elba and Giglio islands.

***Lixus (Compsolixus) ascanii*** (Linnaeus, 1767)

Chorotype. **SEU**

Literature records. Razzauti (1921: 119, Elba: Marciana); Luigioni (1929: 902, Elba); Porta (1932: 135, Elba).

Material examined. None.

Notes. Although its presence in Tuscan Archipelago is possible, the Razzauti (1921) record may refer to another *Lixus (Compsolixus)* of its group, whose taxonomy has been precised later by Dieckmann (1980).

***Lixus (Compsolixus) albomarginatus*** Boheman, 1842

Chorotype. **WPA**

Literature records. Holdhaus (1923: 111, Elba as *Lixus ascanii* var. *albomarginatus*).

Material examined. None.

Notes. As above, although its presence in Tuscan Archipelago cannot be excluded, the Holdhaus (1923) record may refer to another *Lixus (Compsolixus)* of its group, whose taxonomy has been precised later by Dieckmann (1980).

***Lixus (Compsolixus) juncii*** Boheman, 1836

Chorotype. **PAL**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Volterraio, 15.VI.2013, 1 ex (LFO); Portoferraio, via Mentana, in coltivo, 4.V.2017, 1 ex (LFO); Portoferraio, Il Grigolo sotto il faro, 5.VI.2014, 1 ex (LFO); Portoferraio, Antiche Saline, 9.VI.2014, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 9.VI.2014, 1 ex (LFO); Porto Azzurro, beach e Mola marsh, 10.V.2014, 1 ex (LFO); 6.VI.2014, 1 ex (LFO); Porto Azzurro, Terra Nera, 5.V.2014, 1 ex (ECO); Porto Azzurro, Buraccio/Monte Castello, 300-350 m, 11.VI.2014, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 24.VI.2015, 1 ex (LFO); Capoliveri, 160 m, 4.V.2014, 1 ex (ECO); Capoliveri, Monte Calamita, Innamorata, 120 m, 10.V.2014, 3 exx (LFO).

Notes. Collected beating Amaranthaceae, mainly *Beta* spp. New record for the Elba Island.

***Lixus (Compsolixus) ochraceus*** Boheman, 1843 (Fig 60a)

Chorotype. **SEU**

Material examined. **Elba Island:** Portoferraio, 17.I.2008, 1 ex (LFO); Portoferraio, Tre Acque, 02.V.2014, 2 exx (LFO); Rio, Monte Arco, 23.IV.2015, 1 ex (LFO).

Notes. Collected on Brassicaceae. New record for the Tuscan Archipelago.



Fig. 60a. *Lixus (Compsolixus) ochraceus* Boheman, 1843 from Elba Island, dorsal view. Length 12.00 mm.

***Lixus (Dilixellus) bardanae*** (Fabricius, 1787)

Chorotype. ASE

Material examined. **Elba Island:** Portoferraio, San Giovanni, 25.IV.2011, 1 ex (LFO); Porto Azzurro, Reale, 5.V.2014, 1 ex (LFO); Campo nell'Elba, La Foce, 10 m, 30.IV.2016, 1 ex (LFO). **Giglio Island:** Caldane, 2.IV.1999, Zanetti leg, 1 ex (GOS).

Notes. Collected on *Rumex* sp. New record for the Tuscan Archipelago.

***Lixus (Dilixellus) linearis*** Olivier, 1807

Chorotype. EUM

Material examined. **Elba Island:** Portoferraio, San Giovanni, 20.IX.2009, 1 ex (LFO); Porto Azzurro, Mola in wet area near beach, 10.V.2014, 1 ex (LFO).

Notes. Collected on *Rumex* sp. New record for the Tuscan Archipelago.

***Lixus (Dilixellus) pulverulentus*** (Scopoli, 1763)

Chorotype. CEM

Literature records. Razzauti (1906: 114, Elba); Razzauti (1921: 119, Elba); Holdhaus (1923: 111, Elba); Luigioni (1929: 901, Elba); Porta (1932: 136, Elba), all quoted as *Lixus algirus* Linnaeus, 1758; Abbazzi *et alii* (2004: 69, Pianosa as *Lixus angustatus* Fabricius, 1775).

Material examined. **Elba Island:** Isola d'Elba, 29.V.1976, Bellò leg, 1 ex (GOS); Portoferraio, Carpani, 12.V.2013, 1 ex (LFO). **Giglio Island:** Isola del Giglio, 23.III.1966, 1 ex (GOS); Isola del Giglio, 16.III.1991, Bellò leg, 5 exx (GOS); Campese, 16.IV.2011, 6 exx (LFO); Campese, 5.V.2016, 1 ex (LFO); Fontuccia, 150 m, 1.V.2014, 1 ex (ECO); Capel Rosso, 9.IV.2016, 4 exx (LFO); Acqua Selvaggia, 4.V.2016, 2 exx (LFO). **Pianosa Island:** village surroundings, 11.IV.2015, 1 ex (LFO).

Notes. Collected mainly on Malvaceae and Fabaceae. New record for the Giglio Island.

***Lixus (Dilixellus) punctiventris*** Boheman, 1836

Chorotype. SEU

Literature records. Abbazzi *et alii* (2004: 69 Pianosa).

Material examined. **Elba Island:** Porto Azzur-

ro, Reale, 5.V.2014, 1 ex (LFO); Portoferraio, Buraccio, Casa Galletti, 08.V.2014, 1 ex (LFO); Portoferraio, Il Grigolo, below lighthouse, 05.VI.2014, 2 exx (LFO). **Capraia Island:** Isola Capraia, 1988, Giusti leg. 1 ex (GOS); **Pianosa Island:** between Cala S. Giovanni and Cala di Biagio, 11-13.V.1998, L. Bartolozzi, B. Cecchi, P. Lo Cascio, L. Dapporto, A. Sforzi legg, 1 ex (GOS); village surroundings, 12-14.IV.2012, 2 exx (LFO); 06.IV.2013, 2 exx (LFO); 6.V.2014, 1 ex (LFO).

Notes. Collected on *Crepis* spp. and *Picris hieracioides* L. New record for the Elba and Capraia islands.

***Lixus (Phyllixus) scabricollis*** Boheman, 1842

Chorotype. SEU

Material examined. **Elba Island:** Portoferraio, Mentana Road, 19.IX.2017, 19 exx (LFO).

Notes. Only once collected on cultivated *Beta* sp. New record for the Tuscan Archipelago.

***Lixus (Epimeces) scolopax*** Boheman, 1836

Chorotype. CEM

Literature records. Razzauti (1921: 119, Marciana); Holdhaus (1924: 111, Elba); Luigioni (1929: 904, Elba); Porta (1932: 137, Elba); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined - **Elba Island:** Isola d'Elba, 29.V.1976, 1 ex. (CBE); Campo nell'Elba, road to Sant'Ilario, 1.VI.2014, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 90 m, 22.VI.2014, 1 ex (LFO); Marciana, Uviale di Patresi, path no. 177, 400 m, 24.V.2014, 9 exx (LFO). **Capraia Island:** Vado dello Zenobito, 21.V.2016, 1 ex (LFO).

Notes. Collected beating Asteraceae. New record for Capraia Island.

***Larinus (Larinus) carinirostris*** Gyllenhal, 1834

Chorotype. EME

Material examined. **Elba Island:** Campo nell'Elba, Torre di San Giovanni, 90 m, 11.VII.2014, 1 ex (LFO); Marciana, Valle di Pomonte, 4.VIII.2014, Maurizio Mei leg, 1 ex (LFO); Campo nell'Elba, Monumento, 24.VII.2016, 1 ex (LFO). **Giglio Island:** road to Capel Ros-



Fig. 61a. *Larinus (Larinus) cynarae* (Fabricius, 1787) on his host plant, dorsal view. Length 20.00-25.00 mm.

so, 17-19.V.2012, 3 exx (LFO); Vado del Mulino, 04.V.2016, 1 ex (LFO); Strada del Dolce, 04.V.2016, 2 exx (LFO).

Notes. New record for the Tuscan Archipelago.

***Larinus (Larinus) cynarae*** (Fabricius, 1787) (Figs. 61a, 61b)

Chorotype. MED

Literature records. Abbazzi *et alii* (2004: 69 Pianosa).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 09.VI.2014, 8 exx (LFO); Capoliveri, Mola/Calanchiole, 24.VI.2015, 2 exx (LFO); Campo nell'Elba, Monte Tambone, 28.V.2017, 1 ex (LFO).

Notes. Collected mainly on cultivated *Cynara scolymus* and only once on *Carlina corymbosa*. New record for the Elba Island.



Fig. 61b. *Larinus (Larinus) cynarae* (Fabricius, 1787) on his host plant, lateral view. Length 20.00-25.00 mm.

**Larinus (Larinus) ursus** (Fabricius, 1792)Chorotype. **MED**

Literature records. Holdhaus (1923: 111, Elba as *Larinus vittatus* (Fabricius, 1781) var. *genei* Boheman, 1843); Luigioni (1929: 905 as *Larinus vittatus*); Porta (1932: 139, Elba as *Larinus genei* Boheman, 1843); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Valico del Volterraio, 12.V.2013, 1 ex (LFO); 15.VI.2013, 2 exx (LFO); Rio, Castello del Volterraio, 200/315 m, 12.V.2014, 1 ex (LFO); Porto Azzurro, Sanctuary of Monserrato, 6.VI.2014, 1 ex (LFO); Porto Azzurro, Buraccio, Monte Castello, 11.VI.2014, 1 ex (LFO); Campo nell'Elba, Monte Perone, 600 m, 15/30.VI.2009, M. Trentini leg. 2 exx (ECO); Campo nell'Elba, San Piero, road to Monte Perone, 7.V.2013, 6 exx (LFO); Campo nell'Elba, road to Sant'Ilario, 1.VI.2014, 6 exx (LFO); Campo nell'Elba, Monte Perone, 614 m, 11.VII.2014, 2 exx (LFO); Campo nell'Elba, Monte Maolo, 6.VI.2017, 1 ex. (LFO); Marciana, Punta Le Tombe, S.P. 25, 27.V.2018, 3 exx. (LFO); Marciana, Patresi, Uviale di Patresi, 30.V.2017, 2 exx (LFO). **Capraia Island:** Isola di Capraia, 16.VI.1994, (SCU), 2 exx; between Porto and Agliale, 22.V.1995, F. Terzani leg, 1 ex (CAB). **Giglio Island:** Poggio della Pagana, 12.V.1997, F. Terzani leg, 1 ex (CAB). **Pianosa Island:** village surroundings, 22.V.2005, P. Abbazzi leg. 1 ex (CAB).

Notes. Collected on its host plant *Carlina corymbosa* L. New records for the Capraia, Pianosa and Giglio islands.

**Larinus (Larinomesius) scolymi** (Olivier, 1808)

(Figs. 62a, 62b, 62c)

Chorotype. **SEU**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa as *Larinus flavescens* Germar, 1823).

Material examined. **Elba Island:** Portoferraio, Colle Reciso, 21.VII.2012, 2 exx (LFO); Portoferraio, Poggio, windmill, 280 m, 17.VI.2013, 10 exx (LFO); 2.VII.2013, 13 exx (LFO); 17.VI.2013, 3 exx (LFO); Portoferraio, Fosso del Buraccio, 27.VI.2015, 9 exx (LFO); Porto Azzurro, Buraccio/Monte Castello, 300/350m,

11.VI.2014, 1 ex (LFO); Rio, Volterraio, 26.VI.2014, 3 exx (LFO); Campo nell'Elba, Monte Perone, 5.VIII.2012, 2 exx (LFO); Campo nell'Elba, Monte Perone, 614 m, 11.VII.2014, 14 exx (LFO); Campo nell'Elba, Monte Tambone, 28.V.2017, 6 exx (LFO).

Notes. Collected only on *Scolymus hispanicus* L. New record for the Elba Island.

**Rhinocyllus (Rhinocyllus) conicus** (Frölich, 1792)Chorotype. **CEM**

Material examined. **Elba Island:** Portoferraio, Monte Orzo, 50 m, 28.IV.2014, 8exx (LFO); Rio, Monte Arco, 05.V.2014, 1 ex (LFO); Portoferraio, surroundings of Monte Fabrello, 08.V.2014, 11 ex (LFO); Portoferraio, Acquabona, artificial lake, 12.V.2014, 3 exx (LFO); Portoferraio, Buraccio, 21.IV.2015, 1 ex (LFO); 9.IV.2017, 2 exx (LFO); Portoferraio, Acquabona, 11.IV.2016, 5 exx; Portoferraio, Monte Orello, 350 m, 2.V.2017, 4 exx (LFO); 4.V.2017, 2 exx (LFO). **Giglio Island:** Capel Rosso, 9.IV.2016, 7 exx (LFO). **Pianosa Island:** Il Porcile, 14.II.2014, 1 ex (LFO).

Notes. Collected only on *Galactites tomentosus* Moench. New record for the Tuscan Archipelago.



Fig. 62a. *Larinus (Larinomesius) scolymi* (Olivier, 1808) on his host plant, dorsal view. Length 11.50 mm.



Fig. 62b. *Larinus (Larinomesius) scolymi* (Olivier, 1808) on his host plant, lateral view. Length 11.50 mm.



Fig. 62c. *Larinus (Larinomesius) scolymi* (Olivier, 1808) on his host plant. Length 11.50 mm.



Fig. 63a. *Entomoderus laesirostris laesirostris* (Fairmaire, 1859), dorsal view. Length 4.70 mm.

**Cyclominae Schoenherr, 1826**  
Hipporhinini Lacordaire, 1863

*Entomoderus laesirostris laesirostris* (Fairmaire, 1859) (Figs. 63a, 63b)

Chorotype. **WME**

Material examined. **Giglio Island:** Campese, Promontorio Il Franco, 150 m, N42°21.663' E10°52.543', 10.VI. 2019, Bellò, Chemello legg, 2 exx (LFO).

Notes. Collecting sifting litter under *Pistacia lentiscus* L. at roadside. New record for the Tuscan Archipelago.

*Gronops lunatus* (Fabricius, 1775) (Figs. 64a, 64b, 64c, 64d)

Chorotype. **SEU**

Literature records. Abbazzi *et alii* (2004: 69. Piana-nosa).

Material examined. **Capraia Island:** without locality, 7.V.2001, R. Papi leg. 1 ex (CAB). **Pianosa Island:** village surroundings, 11.V.1998, L. Bartolozzi, B. Cecchi, L. Dapporto, P. Lo Cascio, A. Sforzi legg. 1 ex (LFO); village surroundings, 2.VI.2014, 5 exx (LFO).

Notes. Collected in spring, sifting and searching under *Spergularia* sp. New record for the Capraia Island.



Fig. 63b. *Entomoderus laesirostris laesirostris* (Fairmaire, 1859), Giglio Island habitats.



Fig. 64a. *Gronops lunatus* (Fabricius, 1775) on the litter of Pianosa Island, dorsal view. Length 3.00 mm.



Fig. 64b. *Gronops lunatus* (Fabricius, 1775) on the litter of Pianosa Island, lateral view. Length 3.00 mm.



Fig. 64c. Males and females of *Gronops lunatus* (Fabricius, 1775), variability. Length 3.00 mm.



Fig. 64d. *Gronops lunatus* (Fabricius, 1775), Pianosa Island habitats.

## Phytonominae Gistel, 1848

***Hypera (Hypera) melancholica*** (Fabricius, 1792) (Figs. 65a, 65b)

Chorotype. **WPA**

Material examined. **Elba Island:** Portoferraio, San Giovanni, 20.IX.2009, 1 ex (LFO); Campo nell'Elba, San Piero above sports field, 23.III.2014, 4 exx (LFO); 13.IV.2014, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 30.V.2016, 1 ex (LFO); 6.VI.2016, 2 exx (LFO); 28.V.2017, 4 exx (LFO); Campo nell'Elba, Monte Perone, road to San Piero, 2.VI.2016, 1 ex (LFO); Campo nell'Elba, Seccheto, 27.V.2018, 1 ex (LFO); Capoliveri, Vigne Vecchie, 7.V.2017, 1 ex (LFO).

Notes: Collected sweeping uncultivated lawns. New record for the Tuscan Archipelago.

***Hypera (Hypera) miles*** (Paykull, 1792)

Chorotype. **CEM**

Material examined. **Elba Island:** Portoferraio, San Giovanni, 15.IV.2016, 1 ex (LFO).

Notes. Collected sweeping uncultivated lawns. New record for the Tuscan Archipelago.

***Hypera (Hypera) nigrirostris*** (Fabricius, 1775)

Chorotype. **EUM**

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 911), both as *Phytonomus nigrirostris*.

Material examined. **Elba Island:** Portoferraio, Le Prade, 6.XI.2010, 1 ex (LFO); Portoferraio, road to Enfola, Puntale, 23.X.2013, 1 ex (LFO); Portoferraio, Colle Santa Lucia, 27.IX.2014, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 16.V.2015, 1 ex (LFO); Portoferraio, Acquabona, 11.IV.2016, 1 ex (LFO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 3 exx (LFO); 7.V.2017, 2 exx (LFO); Capoliveri, road to Naregno, 3.IV.2016, 1 ex (LFO); Porto Azzurro, Monte Castello, 320 m, 6.X.2017, 2 exx (LFO). **Capraia Island:** road to La Mortola, under Teucrium, Asphodelus, 230 m, 20.V.2016, Bellò, Chemello, Forbicioni legg, 1 ex (LFO); La Lavanderia, 20.V.2016, 1 ex (LFO).

Notes. Collected sifting near uncultivated lawn and on the margins of the Mediterranean scrub.



Fig. 65a. Male of *Hypera (Hypera) melancholica* (Fabricius, 1792), dorsal view. Length 5.20 mm.

***Hypera (Hypera) postica*** (Gyllenhal, 1813)

Chorotype. **PAL**

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 912); Porta (1932: 156), all quoted as *Phytonomus variabilis* (Herbst, 1795); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 7.X.2010, 1 ex (LFO); 17.XI.2010, 1 ex (LFO); 28.III.2012, 1 ex (LFO); 19.IV.2013, 14 exx (LFO); 18.X.2013, 4 exx (LFO); 7.IV.2014, 3 exx (LFO); 18.IV.2014, 4 exx (LFO); 15.IV.2016, 2 exx (LFO); Portoferraio, Le Prade, 6.XI.2010, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 17.V.2015, 1 ex (LFO); Portoferraio, La Casaccia, 20.IV.2011, 1 ex (LFO); Portoferraio, Tre Acque, 4.IV.2012,



Fig. 65b. Female of *Hypera (Hypera) melancholica* (Fabricius, 1792), dorsal view. Length 5.20 mm.

1 ex (LFO); Portoferraio, Santa Lucia, 230 m, 15.IV.2013, 1 ex (LFO); Portoferraio, Volterraio/Macinino, 12.V.2013, 1 ex (LFO); Portoferraio, Punta della Rena, 10.VI.2013, 1 ex (LFO); Portoferraio, Colle Reciso, 17.VI.2013, 1 ex (LFO); Portoferraio, Buraccio, 11.X.2013, 39 exx (LFO); 14.IX.2014, 7 exx (LFO); 25.IV.2015, R. Casalini leg. 1 ex (LFO); 1.XI.2015, 3 exx (LFO); 18.III.2016, 4 exx (LFO); Portoferraio, road to Enfola, Puntale, 23.X.2013, 4 exx (LFO); 10.XI.2013, 2 exx (LFO); Portoferraio, Acquaviva, 36 m, 12.III.2014, 1 ex (LFO); Portoferraio, Valle di Lazzaro, 10.IV.2017, 2 exx (LFO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 3 exx (LFO); 4.IV.2017, 1 ex (LFO); Capoliveri, Pian di Mola, 28.V.2011, 1 ex (LFO); Capolive-

ri, Mola, 19.IV.2012, 2 exx (LFO); Capoliveri, Monte Calamita, Capanna di Gustavo, 167m, 26.XI.2013, 2 exx (LFO); Capoliveri, Monte Calamita, Miniera del Vallone, 28.IX.2014, 1 ex (LFO); Capoliveri, Lacona, Pian di Lari, 17.XII.2013, 11 exx (LFO); Capoliveri, Mola/Calanchiole, 19.V.2015, 2 exx (LFO); Capoliveri, Pian di Mola, 2.IV.2016, 1 ex (LFO); Campo nell'Elba, San Piero, 8.VI.2004, (SCU), 1 ex; 29.IV.2012, 1 ex (LFO); 13.IV.2014, 2 exx (LFO); Porto Azzurro, Mola, wet area/beach, 6.VI.2014, 1 ex (LFO); Porto Azzurro, Mola marsh, 24.IX.2016, 1 ex (LFO); Marciana, Colle d'Orano, 28.VIII.2015, 1 ex (LFO); **Capraia Island:** Cala Zurletto, 69 m, 25.V.2016, Bellò, Chemello legg, 1 ex (LFO). **Gorgona Island:** olive groove above the village, 7/8.V.2013, 6 exx (LFO). **Pianosa Island:** Pianosa Island, malaise trap, 14.XI.2000-6.II.2001, F. Strumia leg, 1 ex (MSUC); Grotta delle Vacche, 7.X.2013, Forbicioni, Bellò legg, 1 ex (LFO); village surroundings, 13.II.2014, 1 ex (LFO).

Notes. Common pest collected by sweeping lawn and sifting in places where Fabaceae were present. New record for Capraia and Gorgona islands.

***Hypera (Hypera) venusta*** (Fabricius, 1781)

Chorotype. **EUM**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Capoliveri, Monte Calamita, SW Beacon, 362 m, 1.XI.2013, 1 ex (LFO). **Capraia Island:** La Lavanderia, 20.V.2016, 5 exx (LFO). **Pianosa Island:** village surroundings, 13.II.2014, 1 ex (LFO), 6.V.2014, 1 ex (ECO).

Notes. Collected sifting under Fabaceae. New records for the Elba and Capraia islands.

***Hypera (Kippenbergia) arator*** (Linnaeus, 1758)

Chorotype. **SEM**

Literature records: Holdhaus (1923: 111, Elba); Luigioni (1929: 912, Elba); Porta (1932: 155, Elba), all quoted as *Phytonomus arator*.

Material examined. None.

Notes. Uncommon species in Italy.



***Hypera (Dapalinus) meles*** (Fabricius, 1792)

Chorotype. SEM

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 911, Elba); Porta (1932: 154, Elba), all quoted as *Phytonomus meles*.Material examined. **Elba Island:** Portoferraio, Volterraio/Macinino, 12.V.2013, 4 exx (LFO); Portoferraio, Le Prade, 6.V.2015, 2 exx (LFO); Rio nell'Elba, Volterraio, 9.V.2014, 3 exx (LFO); Capoliveri, Mola marsh, 2.IV.2016, 2 exx (LFO). Notes. Collected by sweeping fallow fields and sifting in places where Fabaceae were present.***Hypera (Eriinormorphus) conmaculata*** (Herbst, 1795)

Chorotype. ASE

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 910, Elba); Porta (1932: 153, Elba), all quoted as *Phytonomus adspersus* (Fabricius, 1792).Material examined. **Elba Island:** Campo nell'Elba, Fosso Galeo, 6.VI.2004, (SCU), 1 ex; Campo nell'Elba, Seccheto, Vallebuia stream, 150 m, 8.VI.2011, S. Rocchi leg. 1 ex (PAB).Notes. Quite common species associated with *Helosciadium nodiflorum* (L.) W.D.J. Koch.***Brachypera (Antidonus) lunata*** (Wollaston, 1854) (Fig 66a)

Chorotype. TUM

Literature records. Abbazzi, Maggini (2009: 158, Capraia).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 20.IX.2008, G. Frangini leg. 1 ex (LFO); Portoferraio, Forte Inglese, 11.VI.2019, 1 ex (LFO).

Notes. Collected sifting in dry garrigue habitats. New record for the Elba Island.

***Brachypera (Antidonus) zoilus*** (Scopoli, 1763)

Chorotype. PAL

Literature records, Razzauti (1917: 216, Capraia); Razzauti (1921: 119, Elba: Marciana); Holdhaus (1923: 111, Elba: Marciana), all quoted as *Phytonomus punctatus* Fabricius, 1775; Luigioni (1929: 910, Elba); Porta (1932: 153, Elba), both as *Phytonomus zoilus*.Material examined. **Elba Island:** Portoferraio, San Giovanni, 7.X.2010, 1 ex (LFO); 15.IV.2016, 1 ex (LFO); Portoferraio, Acquabona, 9.VI.2012, 1 ex (LFO); Portoferraio, Buraccio, 29.IX.2015, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 5.IV.2017, 1 ex (LFO).

Notes. Collected sifting under Fabaceae.

***Brachypera (Brachypera) crinita*** (Boheman, 1834)

Chorotype. WME

Literature records. Razzauti (1917: 216, Capraia); Razzauti (1921: 119, Elba e Capraia); Holdhaus (1923: 111, Elba); Luigioni (1929: 910, Elba e Capraia); Porta (1932: 152, Elba e Capraia), all quoted as *Hypera crinita*; Abbazzi et alii (2004: 69, Pianosa as *Donus crinitus*).Material examined. **Elba Island:** Portoferraio, Buraccio, 11.X.2013, 1 ex (LFO); 14.IX.2014, 6 exx (LFO); 9.IV.2017, 1 ex (LFO); Portoferraio, road to Enfola, Puntale, 23.X.2013, 1 ex (LFO); Portoferraio, Via Mentana, 19.IX.2017, 1 ex (LFO); Capoliveri, Lacona, Pian di Lari, 17.XII.2013, 1 ex (LFO); Capoliveri, Monte Calamita, 190 m, Bellò, Chemello, Colonnelli, Meloni, Forbicioni legg. 1 ex (LFO); Capoliveri, Lacona, 28.V.2014, 1 ex (LFO); Capoliveri, Monte Calamita, Miniera del Ginevro, 28.IX.2014, 3 exx (LFO); Capoliveri, Monte Calamita, near fire pit, 330 m, 30.IX.2018, 1 ex (LFO); Rio, Monte Arco, 22.IV.2014, 1 ex (LFO); Porto Azzurro, Terra Nera, 5.V.2014, 1 ex (ECO). **Capraia Island:** La Lavanderia, 20.V.2016, 2 exx (LFO); Belvedere, 21.V.2016, 2 exx (LFO); road to La Mortola, 230 m, Bellò, Chemello, Forbicioni legg, 3 exx (LFO); near Lo Stagnone, 330 m, 22.V.2016, Bellò, Chemello, Forbicioni legg, 1 ex (LFO); former prison entrance, 67 m, 24.V.2016, Bellò, Chemello, Forbicioni legg, 2 exx (LFO); Cala San Francesco, 24.V.2016, Bellò, Chemello legg. 4 exx (LFO); Cala Zurletto, 69 m, 25.V.2016, Bellò, Chemello legg, 2 exx (LFO). **Giglio Island:** Giglio Porto, 233 m, 60 m, 1.V.2014, Bellò, Chemello, Colonnelli, Meloni legg, 1 ex (LFO). **Pianosa Island:** village surroundings, 13.II.2014, 1 ex (LFO).Notes. Collected sifting under Fabaceae. New record for the Giglio Island.Fig. 66a. *Brachypera (Antidonus) lunata* (Wollaston, 1854), dorsal view. Length 5.90 mm.

***Donus philanthus*** (Olivier, 1807) (Fig 67a)  
Chorotype. **WME**

Literature records. Razzauti (1921: 119, Elba); Holdhaus (1923: 111, Elba); Luigioni (1929: 910, Elba); Porta (1932: 152, Elba), all quoted as *Hypera philantha*; Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 20.IX.2009, 1 ex (LFO); 4.IV.2012, 1 ex (LFO); 20.V.2014, 1 ex (LFO); Portoferraio, Acquabona, 11.IV.2016, 1 ex (LFO); Portoferraio, Monte Orello near Le Picchiaie, 200 m, 4.V.2017, 1 ex (LFO); Rio, Capo d'Arco, 130 m, 26.I.2014, 1 ex (LFO); Rio nell'Elba, path towards Cima del Monte, 470 m, 17.X.2017, 1 ex (LFO). **Capraia Island:** Vado dello Zenobito, 21.V.2016, 1 ex (LFO). **Giglio Island:** Acqua Selvaggia, 4.V.2016, 2 exx (LFO).



Fig. 67a. *Donus philanthus* (Olivier, 1807) from Elba Island, dorsal view. Length 8.70 mm.

Notes: New record for the Capraia Island and the Giglio Island.

***Donus salviae*** (Schrank, 1790) (Figs. 67b, 67c)  
Chorotype. **SEM**

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 909, Elba), both as *Hypera salviae*.

Material examined. **Elba Island:** Capoliveri, Monte Calamita, 18.V.2010, G. Frangini leg. 1 ex (LFO); Campo nell'Elba, Valle della Niveira, 470 m, 3.XI.2013, 1 ex (LFO); Rio nell'Elba, Valico del Volterraio, 470 m, 24.VI.2014, 1 ex (LFO); Campo nell'Elba, Fosso Galeo, 6.VI.2004, (SCU), 1 ex; Campo nell'Elba, Piana al Canale, 4.VIII.2015, 1 ex (LFO).

Notes: Collected sifting uncultivated lawn near Mediterranean scrub.

***Limobius borealis*** (Paykull, 1792)

Chorotype. **EUM**

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 912, Elba); Porta (1932: 156, Elba); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 20.IX.2009, 1 ex (LFO); Portoferraio, Casaccia, 20.IV.2011, 2 ex (LFO); Portoferraio, Monte Orello, 280 m, 7.V.2011, 1 ex (LFO); 10.XII.2013, 1 ex (LFO); Portoferraio, Acquabona, 20 m, 26.V.2011, 1 ex (LFO); Portoferraio, road to Condotto, 19.IV.2013, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 1.XII.2010, 1 ex (LFO); 6.III.2011, 2 exx (LFO); Capoliveri, Pian di Mola, 9.VI.2011, 1 ex (LFO); 19.IV.2012, 1 ex (LFO); Campo nell'Elba, San Piero, 8.VI.2004, 2 exx, (SCU); 23.IV.2017, 1 ex (LFO); Campo nell'Elba, San Piero, Chiesa Romanica, 1.II.2013, 1 ex (LFO); Campo nell'Elba, Torre San Giovanni, 370 m, 4.V.2014, 3 exx (ECO); Campo nell'Elba, Monte Maolo, 650 m, 1.VI.2014, 1 ex (LFO); Porto Azzurro, Monte Castello, 320m, 6.X.2017, 1 ex (LFO); Rio nell'Elba, path towards Cima del Monte, 17.X.2017, 1 ex (LFO). **Pianosa Island:** La Fornace, 22.V.2005, P.Abbazzi leg. 1 ex (CAB); Grotta delle Vacche, 7.X.2013, Forbicioni, Bellò legg. 1 ex (LFO).

Notes: Collected sifting under *Geranium* spp. and *Erodium* spp.



Fig. 67b. *Donus salviae* (Schrank, 1790), dorsal view. Length 7.50 mm.



Fig. 67c. *Donus salviae* (Schrank, 1790), lateral view. Length 7.50 mm.

*Coniatus (Coniatus) tamarisci* (Fabricius, 1787)  
(Figs. 68a, 68b, 68c, 68d)

Chorotype. **MED**

Literature records. Holdhaus (1923: 111, Elba);  
Luigioni (1929: 912, Elba); Porta (1932: 156,  
Elba).

Material examined. **Elba Island:** Portoferraio,  
San Giovanni, 18.XII.2008, 1 ex (LFO);  
30.XII.2010, 2 exx (LFO); 31.XII.2011, 2 exx  
(LFO); 18.I.2012, 1 ex (LFO); 7.IV.2014, 1 ex  
(LFO); 13.V.2014, 1 ex (LFO); 30.III.2015, 1  
ex (LFO); 4.III.2016, 1 ex (LFO); Portoferraio,  
Il Grigolo, 8.VIII.2010, 1 ex (LFO); Portoferraio,  
Schiopparello/Le Prade, 30.IX.2012, 5  
exx (LFO); 8.V.2014, 2 exx (LFO); Portoferraio,  
Punta della Rena, 10.VI.2013, 3 exx (LFO);  
9.VI.2014, 6 exx (LFO); Porto Azzurro, Mola,  
wet area/beach, 6.VI.2014, 6 exx (LFO); Porto  
Azzurro, Mola marsh, 24.IX.2016, 4 exx (LFO).

Notes. Collected beating *Tamarix africana* Poir.  
Very often sympatric with *Corimalia tamarisci*,  
*Allomalina quadrivirgata* and *Hypophyes pallidulus*.

*Coniatus (Bagoides) suavis* Gyllenhal, 1834

Chorotype. **SEU**

Literature records. Holdhaus (1923: 111, Elba);  
Luigioni (1929: 913, Elba); Porta (1932: 156,  
Elba); Magnano (1964a: 137, Elba); Colonnelli  
(1983a: 150, Elba).

Material examined. **Elba Island:** Portoferraio,  
San Giovanni, 30.XII.2010, 1 ex (LFO); Portoferraio,  
Punta della Rena, 9.VI.2014, 2 exx  
(LFO); Porto Azzurro, Mola marsh, 10.V.2014, 3  
exx (LFO); 6.VI.2014, 2 exx (LFO); 24.IX.2016,  
2 exx (LFO).

Notes. Less common than *Coniatus tamarisci*.  
Collected beating *Tamarix africana* Poir.



Fig. 68a. *Coniatus (Coniatus) tamarisci* (Fabricius, 1787) from Elba Island on *Tamarix africana* Poir, lateral view. Length 5.00 mm.



Fig. 68b. *Coniatus (Coniatus) tamarisci* (Fabricius, 1787) from Elba Island on *Tamarix africana* Poir, ventral view. Length 5.00 mm.



Fig. 68c. Larva of *Coniatus (Coniatus) tamarisci* (Fabricius, 1787) from Elba Island.

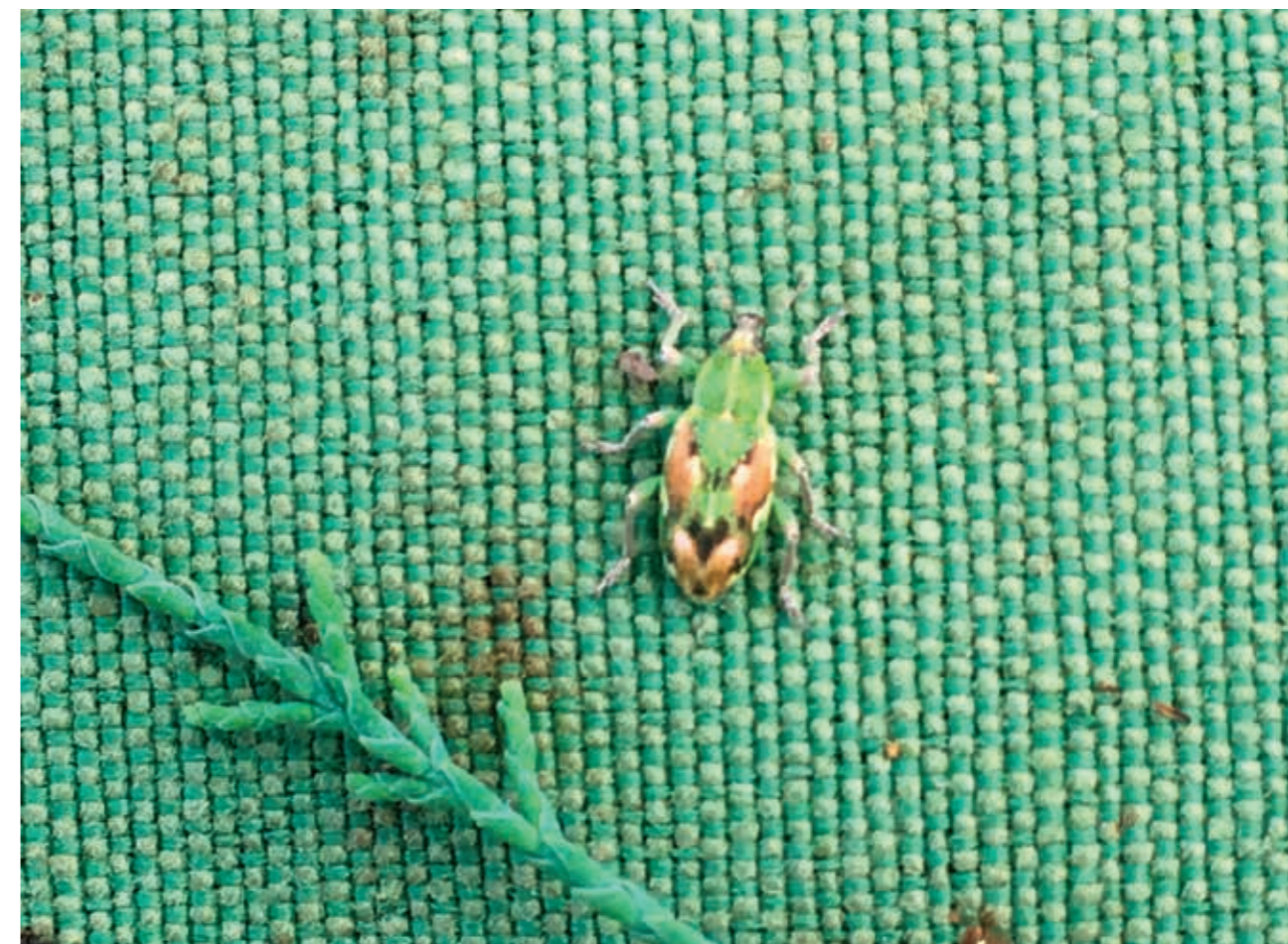


Fig. 68d. *Coniatus (Coniatus) tamarisci* (Fabricius, 1787) from Elba Island, dorsal view. Length 5.00 mm.

**Molytinae Schoenherr, 1823**

Lepyriini W. Kirby, 1837

***Lepyrus armatus* Weise, 1893**

Chorotype. EUR

Material examined. **Elba Island:** Portoferraio, San Giovanni, 4.XI.2010, 1 ex (LFO); 6.XII.2014, 9 exx (LFO).

Notes: Only once handpicked in a flooded meadow after heavy rainfall. New record for the Tuscan Archipelago.

Hylobini W. Kirby, 1837

***Aclees* sp. (Figs. 69a, 69b)**

Material examined. **Elba Island:** Portoferraio, Albereto, 15.XI.2009, 1 ex (LFO); 15.XI.2010, 3 exx (LFO); Portoferraio, Colle Reciso, Santa Lucia, 6.V.2013, 3 exx (LFO); Portoferraio, in town, Via Reiter, 13.X.2018, 2 exx (LFO).

Notes: Invasive Asian species damaging *Ficus* spp. whose identity is still precisely unknown. New record for the Tuscan Archipelago.



Fig. 69a. *Aclees* sp. from Elba Island on his host plant, dorsal view. Length 22.00 mm.



Fig. 69b. *Aclees* sp. from Elba Island on his host plant, lateral view. Length 22.00 mm.

Molytini Schoenherr, 1823

***Leiosoma baudii* Bedel, 1884**

Chorotype. AAP

Literature records. Holdhaus (1923: 111, Elba). Notes. Holdhaus writes: “Pochi esemplari presi dal Sig. Paganetti nei dintorni di Marciana”. It is clearly a misidentification and/or a mislabeling, as the Sicilian endemic *Leiosoma baudii* Bedel, 1884 and all related species are typical of the mountainous and culminal plain (Pedroni 2012). However, the presence in the Tuscan Archipelago of an unidentified species of *Leiosoma* Stephens, 1829 on Monte Capanne cannot be completely excluded.

***Aparopion suturidens* Reitter, 1891**

(Figs. 70a, 70b)

Chorotype. END

Literature records. Holdhaus (1923: 111, Elba; Poggio); Luigioni (1929: 918, Elba); Porta (1932: 170, Elba e Giglio); Magnano (1964a: 135, Elba e Giglio); Colonnelli (1983a: 148, Elba e Giglio).

Material examined. **Elba Island:** Portoferraio, Schiumoli, 17.X.2016, 1 ex (LFO); Portoferraio, Monte San Martino, Buca di Bomba, 298 m, N42°46'46" E10°16'16", 1.VII.2018,



Fig. 70a. *Aparopion suturidens* Reitter, 1891, dorsal view. Length 4.70 mm



Fig. 70b. *Aparopion suturidens* Reitter, 1891, Elba Island habitats.

2 exx (LFO); Rio nell'Elba, Volterraio pass, 300 m, 6.X.2013, Forbicioni, Bellò legg. 2 exx (LFO); Rio nell'Elba, Le Conce, 15.X.2014, 1 ex (LFO); Rio, road to Cavo, N42°49'57" E10°25'57", 9.III.2014, 1 ex (LFO); Rio, Le Paffe, 20.II.2015, 1 ex (LFO); Marciana, Monte Capanne near Fonte di Napoleone, 31.X.2014, 1 ex (LFO); Marciana, Uviale di Patresi, 400 m, path no.177, N42°47'06,3" E10°08'11,0", 24.V.2014, 2 exx (LFO); Campo nell'Elba, San Francesco, 18.VII.2019, 1 ex (LFO). **Giglio Island:** Campese, Promontorio del Franco, 60 m, N42°21.29' E10°52.49', 2.V.2014, Bellò, Chemello, Colonnelli, Meloni legg, 1 ex (LFO); Giglio Castello, 380 m, N42°21.32' E10°54.08', 2.V.2014, Bellò, Chemello legg, 2 exx (LFO); Mezzo Franco, 3.V.2016, 1 ex (LFO); Campese, Il Franco, 150 m, N42°21.595' E10°52.297'E, 10.VI. 2019, Bellò, Chemello legg, 4 exx (LFO).

Notes. Collected sifting litter from oak woods.

***Styphloderes exsculptus* (Boheman, 1843)**

(Figs. 71a, 71b)

Chorotype. **WME**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Le Prade, 22.X.2019, E. Colonnelli leg, 2 exx (LFO). **Capraia Island:** Capraia Island, beach at the port, 23.V.1955, S. Taiti leg. 1 ex (CAB). **Montecristo Island:** Cala Santa Maria, 21.IV.1998, G. Mazza leg, 1 ex (CAB). **Pianosa Island:** Cala Giovanna, 13.II.2014, 2 exx (LFO); 12.X.2013, 1 ex (LFO); Cala dei Turchi, night hunting, 6.V.2014, Bellò, Chemello legg, 1 ex (LFO);

Notes. Collected under logs near the seashore.

New record for the Elba, Capraia and Montecristo islands.



Fig. 71a. *Styphloderes exsculptus* (Boheman, 1843), dorsal view. Length 4.00 mm.



Fig. 71b. *Styphloderes exsculptus* (Boheman, 1843), Montecristo Island habitats.

Pissodini Gistel, 1848

***Pissodes castaneus*** (DeGeer, 1775)

Chorotype. ASE

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 918, Elba); Porta (1932: 174, Elba), all quoted as *Pissodes notatus* (Fabricius, 1787).Material examined. **Elba Island:** Portoferraio, Acquabona, artificial lake, 20.V.2011, 1 ex (LFO); Campo nell'Elba, Monte Maolo, 14.VIII.2013, 1 ex (LFO); Campo nell'Elba, Monte Perone, 614 m, 1 ex (LFO).

Notes. Collected sweeping and beating in pine forests.

*Tranes* Schoenherr, 1845 group***Siraton internatus*** (Pascoe, 1970)Literature records. Hustache (1934: 250, Elba); Porta (1934: 190, Elba); Abbazzi, Osella (1992: 171, Elba); Caldara, Diotti (2005: 123, Elba); Abbazzi, Maggini (2009: 184), all quoted as *Siraton devillei* Hustache, 1934); Oberprieler, Caldara (2012: 55).

Material examined. None

Notes. Accidentally introduced Australian species predator of Cycadaceae. Never found again.

**Mesoptilinae Lacordaire, 1863**

Magdalidini Pascoe, 1870

***Magdalis (Porrothus) cerasi*** (Linnaeus, 1758)

Chorotype: SIE

Material examined - **Elba Island:** Portoferraio, Loc. Vecchio Papa, 05.V.2012, 1 ex (LFO); Portoferraio, Buraccio, 06.V.2012, 2 exx (LFO); ibidem, 21.V.2013, 3 exx (LFO); Portoferraio, Colle Reciso, windmill, 17.VI.2013, 1 ex (LFO). Notes. Collected beating Rosaceae of the genera *Pyrus*, *Prunus* and *Rosa*. New record for the Tuscan Archipelago.**Cryptorhynchinae Schoenherr, 1825**

Cryptorhynchini Schoenherr, 1825

***Acalles (Acalles) dieckmanni*** Péricart, 1989 (Fig 72a)

Chorotype. ENC

Literature records. Schütte, Stüben (2015: 7, Elba); Alonso-Zarazaga *et alii* (2017: 460, Elba); Stüben (2018: 499, Elba).Material examined. **Elba Island:** Campo nell'Elba, Valle della Nivera, 470 m, N42°46.669' E10°11.230', 3.XI.2013, 2 exx (LFO); 3.XI.2013, 1 ex (LFO); 4.V.2014, Bellò, Chemello legg. 3exx (LFO); Campo Nell'Elba, Monte Perone, Castagnone/Tiratoio, 42°45'56.6"N 10°11'10.7"E, 29.V.2018, 3 exx (LFO); ibidem, 30.VI.2018, 4 exx (LFO); ibidem, 05.X.2018, 15 exx (LFO); Campo Nell'Elba, Monte Perone, Loc. San Francesco, 42°45'44.9"N 10°12'00.1"E, 29.V.2018, 1 ex (LFO); Marciana, La Zanca, 27.IX.2003, Bellò leg. 4 exx (GOS); Marciana, Monte Capanne, path to San Cerbone, 10.X.2014, 1 ex (LFO); Marciana, Monte Maolo, Sentiero delle Farfalle, 700m, 42°46'26,2N 10°11'19,5"E, 06.VI.2017, 1 ex (LFO); Marciana, Monte Capanne, c/o Fonte di Napoleone, 400m, 42°47'05,5N 10°10'40,9"E 09.VII.2017, 3 exx (LFO).

Notes. Gathered sifting detritus at base of chestnuts and inside the cavities of the trunks formed after cutting the tree.

***Acalles (Acalles) lemur cisalpinus*** Stüben, 2003

Chorotype. END

Material examined. **Elba Island:** Isola d'Elba, VII.1973, G. Castellini leg, 1 ex (CAB); Isola d'Elba, III.1991, G. Castellini leg. 1 ex (GOS). Notes. New record for the Tuscan Archipelago.***Acalles (Acalles) micros*** Dieckman, 1982

Chorotype. EUR

Material examined. **Elba Island:** Campo nell'Elba, Monte Perone, San Francesco, N42°45'44,9" E10°12'00,1", 29.V.2018, 1 ex (LFO).Notes. New record for the Tuscan Archipelago.***Acalles (Acalles) parvulus parvulus*** Boheman, 1837

Chorotype. EUR

Literature records. Solari A. and Solari F. (1907: 333, Giglio); Luigioni (1929: 926, Giglio); Porta (1932: 190, Giglio), all quoted as *Acalles turbatus* Boheman, 1844.Material examined. **Elba Island:** Portoferraio, Colle Reciso-Schiumoli, 9.IV.2014, 1 ex (LFO); 17.X.2015, 1 ex (LFO); Campo nell'Elba, Castagnone, 600m, 10.VI.2012, 16 exx (LFO); Campo nell'Elba, Monte Perone, San Piero, 12.VII.2012, 1 ex (LFO); Campo nell'Elba, Monte Perone-San Francesco, 26.IX.2012, 1 ex (LFO); Campo nell'Elba, Monte Perone, 600 m, 7.V.2013, 2 exx (LFO); Campo nell'Elba, Monte Perone, forest nursery, 500 m, 4.V.2014, 1 ex (ECO); Campo nell'Elba, San Piero-San Francesco, 19.VI.2013, 4 exx (LFO); Campo nell'Elba, Monte Perone, San Francesco ditch, 570 m, 4.V.2014, 4 exx (ECO); 27.VII.2014,1 ex (LFO); Campo nell'Elba, Monte Maolo, 14.VII.2013, 2 exx (LFO); Campo nell'Elba, Castagnone, 600 m, 30.VII.2013, 3 exx (LFO); 4.V.2014, Bellò, Chemello legg. 2 exx (LFO); Campo nell'Elba, Monte Perone, Castagnone/Tiratoio, N42°45'56,6" E10°11'10,7", 29.V.2018, 2 exx (LFO); Marciana, Procchio, 27.VIII.1971, 1 ex G. Binagli leg. (MSNG); Marciana, Civillina, N42°47'29" E10°10'37", 25.IV.2014, 5 exx (LFO); **Giglio Island:** Isola del Giglio, 16.III.1991, Pierotti leg, 1 ex (GOS); Giglio Porto, 233 m, N42°22,407' E10°53.994', 2.V.2014, Bellò, Chemello, Colonnelli, Meloni legg, 1ex (LFO); Campese, Il Franco, 70 m, 1.V.2014, 1 ex (ECO); Punta Capel Rosso, 160 m, N42°19.576 E10°54.921, 9.IV.2016, Bellò, Chemello, Forbicioni legg, 1ex (LFO).Notes: Collected sifting under chestnut, Holm oak, Cork oak and Mediterranean scrub with *Erica* sp. New record for the Elba Island.Fig. 72a. *Acalles (Acalles) dieckmanni* Péricart, 1989, Elba Island habitats.

***Acalles setulipennis*** Desbrochers, 1871Chorotype. **ECS**

Literature records. Solari A. and Solari F. (1907: 333, Elba); Razzauti (1921: 119, Elba); Holdhaus (1923: 112, Elba); Porta (1932: 190, Elba), all quoted as *Acalles lemur* Germar, 1823 var. *setulipennis*; Abbazzi, Maggini (2009: 165).

Material examined. None.

Notes. Alonso-Zarazaga *et alii* (2017) consider this species as a Corsican endemism, although it had already been indicated from Elba as reported above. We also know it from Sardinia: Aritzo, Arcu Guddetorgiu, 850-1150 m, 9.V.1995, F. Angelini leg. (ECO).

***Kyklioacalles (Kyklioacalles) aubei*** (Boheman, 1837)Chorotype. **SEU**

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 925, Elba); Porta (1932: 189, Elba); Magnano (1961: 56, Elba), all quoted as *Acalles aubei*.

Material examined. **Elba Island:** Isola d'Elba, III.1971, Castellini leg. 1 ex (GOS); Portoferraio, Monte Orello, Le Picchiaie, 200 m, N42°46'58,9" E10°19'41,6", 4.V.2017, 3 exx (LFO); Portoferraio, Volterraio, 6.VIII.2013, 2 exx (LFO); Campo nell'Elba, Monte Perone, San Francesco, 18.III.2012, 1 ex (LFO); Campo nell'Elba, Monte Perone, near Fonte Castagnone, 578 m, N42°45'58,8" E10°11'07,7", 5.X.2018, 1 ex (LFO); Campo nell'Elba, Monte Perone, Castagnone, 600 m, 10.VI.2012, 1 ex (LFO); 5.VIII.2012, 2 exx (LFO); 7.V.2013, 1 ex (LFO); Campo nell'Elba, Monte Perone, San Francesco, 26.IX.2012, 1 ex (LFO); Campo nell'Elba, San Piero, Chiesa Romanica, 1.II.2013, 1 ex (LFO); Campo nell'Elba, Monte Maolo, 14.VIII.2013, 2 exx (LFO); Marciana, Colle D'Orano, 315 m, N42°46'942" E10°07'355", 8.X.2013, Bellò, Chemello legg. 3 exx (GOS); Marciana, Monte Capanne near cableway, 500 m, 25.II.2012, 1 ex (LFO); Marciana, San Lorenzo, 210 m, N42°47.506' E10°10.783', 4.V.2014, Bellò, Chemello legg. 1 ex (LFO); Marciana, Poggio/Tenditoio, 1.IV.2015, 1 ex (LFO); Marciana, Santo Stefano, 30.VII.2016, 1 ex (LFO); Mar-

ciana, Monte Capanne, Santuario Madonna del Monte, 650 m, N42°47'32,6" E10°09'06,2", 21.V.2017, 1 ex (LFO); Marciana, Monte Maolo, Sentiero delle Farfalle, 700 m, N42°46'25,2" E10°11'19,5", 6.VI.2017, 1 ex (LFO); Marciana, Monte Capanne, near Fonte Napoleone, 400 m, N42°47'05,5" E10°10'40,9", 21.V.2017, 1 ex (LFO); Marciana, San Lorenzo, 120 m, 5.V.2014, 1 ex (ECO). **Capraia Island:** Vado dello Zenobito, 21.V.2016, 1 ex (LFO). **Giglio Island:** Isola del Giglio, III.1903, 4 exx, G. Doria leg. (MSNG); Giglio Castello path to Campese, 185 m, N42°22.15' E10°53.23', 2.V.2014, Bellò, Chemello, Colonnelli, Meloni legg. 2 exx (LFO); Pettaio, 120 m, 2.V.2014, 1 ex (ECO); Giglio Castello, 380 m, N42°21.32' E10°54.08', 2.V.2014, Bellò, Chemello legg. 1 ex (LFO); Strada del Dolce, 4.V.2016, 3 exx (LFO); Campese, Il Franco, 115 m, 10.VI.2019, Bellò, Chemello legg. 3 exx (LFO). **Palmaiola Islet:** 28.VIII.2015, 1 ex (LFO).

Notes: Collected sifting under chestnut and *Rubus* spp., Holm oak, Cork oak and Mediterranean scrub with *Erica* sp. and *Pistacia lentiscus* L. New record for the Capraia and Giglio islands, and Palmaiola islet.

***Kyklioacalles (Kyklioacalles) pulchellus*** (H. Brisout, 1865)Chorotype. **WPA**

Literature records. Holdhaus (1923: 111, Elba as *Acalles pulchellus*).

Material examined. None.

Notes. Species not found by us and quite common in central Italy, whose presence at Elba is however possible.

***Kyklioacalles (Palaeoacalles) navieresi*** (Boheman, 1837)Chorotype. **MED**

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: Elba); Porta (1932: 188, Elba), all quoted as *Acalles roboris* (Curtis, 1834).

Material examined. **Elba Island:** Isola d'Elba, III.1971, Castellini leg. 1 ex (GOS); Campo nell'Elba, Monte Perone, Castagnone/Tiratoio, vaglio sotto castagno, N42°45'56,6"

E10°11'10,7", 29.V.2018, 3 exx (LFO); 30.V.2018, 2 exx (LFO); 5.X.2018, 7 exx (LFO); Campo nell'Elba, San Francesco, 18.VII.2019, 2 exx (LFO); Marciana, La Zanca, 27.IX.2003, Bellò leg. 2 exx (GOS).

Notes. Collected sifting under chestnuts. Literature records above for *Kyklioacalles roboris*, to which it is extremely similar, certainly refer to this species.

***Dichromacalles diocletianus*** (Germar, 1817) (Fig 73a)Chorotype. **SEU**

Literature records. Stüben (2019, Elba: Villa Na-

poleone).

Material examined. **Elba Island:** Portoferraio, 15.IV.1957 Bartolozzi leg, 1 ex (GOS); Portoferraio, Villa Napoleone 6.X.1988, Bellò leg, 1 ex (GOS); Rio, Volterraio pass, 12.X.2014, 3 exx (LFO); 15.X.2014, 1 ex (LFO); Rio path GTE towards the top, N42°48'01,0" E10°23'31,1", 17.X.2017, 11 exx (LFO); Capoliveri, Lacona, Pian di Lari, 17.XII.2013, 1 ex (LFO); Portoferraio, Colle Santa Lucia, 27.IX.2014, 3 exx (LFO).

Notes. Collected sifting under *Centaurea calcitrapa* L.

Fig. 73a. *Dichromacalles diocletianus* (Germar, 1817), Elba Island habitats.

***Dichromacalles dromedarius*** (Boheman, 1844)  
(Figs. 74a, 74b, 74c)

Chorotype. **WME**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 925, Elba e Giglio); Porta (1932: 187, Elba e Giglio), all quoted as *Acalles dromedarius*; Abbazzi *et alii* (2004: 69, Pianosa)

Material examined. **Elba Island:** Portoferraio, Monte Orello near Le Picchiaie, N42°46'58,9" E10°19'41,6", 200 m, 4.V.2017, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 18.V.2018, 19 exx (LFO); Portoferraio, Colle Santa Lucia, 31.VII.2014, 1 ex (LFO); 27.IX.2014, 1 ex (LFO); Porto Azzurro, Reale, 5.V.2014, 1 ex (LFO). **Giglio Island:** Isola del Giglio, X.1900, 3 exx G. Doria leg. (MSNG); VIII.1900, 3 exx, G. Doria leg. (MSNG); X.1902, 2 exx, G. Doria leg. (MSNG). **Gorgona Island:** Ferro di Cavallo/Torre Vecchia, 8.V.2015, 4 exx (LFO). **Pianosa Island:** malaise trap, 6.II-6.IV.2001, F. Strumia leg. 1 ex (MSUC).

Notes. Collected sifting under Asteraceae, but the largest number of specimens was collected by beating *Helminthotheca echiodides* (L.) in an uncultivated lawn. New record for the Gorgona Island.



Fig. 74a. *Dichromacalles dromedarius* (Boheman, 1844), specimen collected at beginning of the last century, preserved in MSNG. Length 3.90 mm



Fig. 74c. *Dichromacalles dromedarius* (Boheman, 1844), windy day sifting for *Dichromacalles dromedarius* (Boheman, 1844) on Elba Island.



Fig. 74b. *Dichromacalles dromedarius* (Boheman, 1844), Elba Island habitats.



*Echinodera (Ruteria) hypocrita* (Boheman, 1837)

Chorotype. **SEU**

Material examined. **Elba Island:** Campo nell'Elba, Monte Perone, Castagnone/Tiratoio, N42°45'56,6" E10°11'10,7", 29.V.2018, 1 ex (LFO).

Notes. Collected sifting under chesnuts. New record for the Tuscan Archipelago.

*Echinodera (Echinodera) peragalloi* (Chevrolat, 1863) (Figs. 75a, 75b, 75c, 75d)

Chorotype. **WME**

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 926, Elba); Porta (1932: 191, Elba), all quoted as *Acalles variegatus* Boheman, 1837; Poggi (1976: 630, Montecristo); Fanfani, Groppali (1979: 26, Montecristo); Osel-la (1981a: 366, Giannutri), all quoted as *Echinodera variegata*; Abbazzi, Maggini (2009: 165 as *Acalles peragalloi*).

Material examined. **Elba Island:** Isola d'Elba, III.1971, Castellini leg.m 1 ex (GOS); Portoferraio, Villa di Napoleone, 23.XII.1975, 1 ex, Gardini leg. (MSNG); 6.X.1988, Pierotti leg. 1 ex (GOS); Portoferraio, Acquabona, 2.II.2013, 1 ex (LFO); Portoferraio, Colle Reciso, 4.II.2013, 1 ex (LFO); Portoferraio, Buraccio ditch, 11.X.2013, 6 exx (LFO); 1.XI.2015, 2 exx (LFO); 18.III.2016, 1 ex (LFO); Portoferraio, Le Picchiaie, 19.X.2013, 1 ex (LFO); Portoferraio, street to Enfola, Puntale, 10.XI.2013, 1 ex (LFO); Portoferraio, Albereto, Montebello, 1.I.2014, 1 ex (LFO); 7.IX.2014, 3 exx (LFO); Portoferraio, Buraccio, 14.IX.2014, 5 exx (LFO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 1 ex (LFO); Portoferraio, Volterraio, 75 m, 5.X.2013 Bellò, Chemello legg. 3 exx (GOS); Rio, Monte Arco, 22.IV.2014, 1 ex (LFO); Rio, Monte Strega, 310 m, 6.X.2013, Bellò, Chemello legg. 1 ex (GOS); Rio, Case Coli, 135 m, 6.X.2013, Bellò, Chemello legg. 1 ex (GOS); Rio, road to Cavo, 9.III.2014, 2 exx (LFO); Rio, strada Parata, 9.III.2014, 2 exx (LFO); Porto Azzurro, Capo d'Arco, 100 m, 5.V.2014, 1 ex (ECO); Capoliveri, Lacona, strada Colle Reciso, 17.XII.2013, 2 exx (LFO); Capoliveri, Monte Calamita,



Fig. 75a. *Echinodera (Echinodera) peragalloi* (Chevrolat, 1863) from Pianosa Island, dorsal view. Length 2.10-3.50 mm.

16.III.2014, 2 exx (LFO); 150 m, 7.V.2017, 1 ex (LFO); Capoliveri, Monte Calamita, Serro-ne delle Rose, 20.VII.2014, 2 exx (LFO); Capoliveri, Monte Calamita, Miniera del Ginevro, 28.IX.2014, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 16.II.2012, 1 ex (LFO); 6.I.2013, 10 exx (LFO); Campo nell'Elba, Monte Perone, Piana al Canale, 01.II.2013, 26 exx (LFO); Campo nell'Elba, San Piero, Romanic Church, 01.II.2013, 9 exx (LFO); Campo nell'Elba, Monte Perone, Castagnone, 19.VI.2013, 1 ex (LFO); Campo nell'Elba, Pieve San Giovanni, 420 m, 5.X.2013, 1 ex (LFO); 3.XI.2013, 4 exx (LFO); 5.X.2013, Bellò, Chemello legg. 6 exx (GOS); Campo nell'Elba, Monte Perone, San Francesco, 3.XI.2013, 2 exx (LFO); Campo nell'Elba, Monte Perone, Castagnone/Tiratoio, 29.V.2018, 11 exx (LFO); Campo nell'Elba, San Piero near sports field, 23.III.2014, 1 ex (LFO); Campo nell'Elba, Valle della Nivera, 480 m, 4.V.2014, Bellò, Chemello legg. 3 exx (LFO); Campo



Fig. 75b. *Echinodera (Echinodera) peragalloi* (Chevrolat, 1863) from Pianosa Island, lateral view. Length 2.10-3.50 mm.



Fig. 75c. *Echinodera (Echinodera) peragalloi* (Chevrolat, 1863), Montecristo Island habitats.



Fig. 75d. A larger Elba Island specimen of *Echinodera (Echinodera) peragalloi* (Chevrolat, 1863) compared with a smaller one from Montecristo Island.

nell'Elba, Sant'Ilario, Pietra Acuta, 7.VI.2016, 3 exx (LFO); Marciana, Procchio, 12.VII.1971, 1 ex, Gardini leg. (MSNG); Marciana, Poggio, 1.IV.1988, Pierotti leg. 1 ex (GOS); Marciana, La Zanca, 27.IX.2003, Bellò leg. 2 exx (GOS); Marciana, Colle Dorano, 315 m, Bellò, Chemello legg. 5 exx (GOS); 110 m, 8.X.2013, Bellò, Chemello legg. 1 ex (GOS); 80 m, 8.X.2013, Bellò, Chemello legg. 4 exx (GOS); Marciana, San Lorenzo, 210 m, 4.V.2014, Bellò, Chemello legg. 4 exx (LFO); Marciana, Monte Capanne, path to San Cerbone, 9.X.2014, 1 ex (LFO); Marciana, Poggio, Tenditoio, 1.IV.2015, 1 ex (LFO); Marciana, Colle d'Orano, 28.VIII.2015, 4 exx (LFO); Marciana, Monte Capanne, Santuario Madonna del Monte, 650 m, 21.V.2017, 2 exx (LFO); Marciana, Uviale di Patresi, 400 m, 24.V.2017, 1 ex (LFO); Marciana, Monte Capanne near Fonte Napoleone, 400 m, 9.VII.2017, 1 ex (LFO). **Capraia Island:** 18-25.IV.1973, 3 exx, G. Gardini leg. (MSNG); Vado dello Zenobito, 21.V.2016, 1 ex (LFO). **Cerboli Islet:** 28.VIII.2015, 1 ex (LFO). **Giannutri Island:**

Isola Giannutri, 14/20.V.1978, Gardini/Briganti legg. 20 exx (GOS); 4.IV.2018, Meloni leg. 1 ex (ECO); Monte Mario, 19.IX.1992, Bellò leg. 6 exx (GOS); Vigna Vecchia, 20 m, 42°14.956'N 11°06.006'E, 10.IV.2016, Bellò, Chemello, Forbicioni legg. 1 ex (LFO). **Giglio Island:** Isola del Giglio, III.1902, 6 exx G. Doria leg. (MSNG); 9-17.IV.1974, 1 ex, G. Gardini leg. (MSNG); Campese, Il Franco, 70 m, 1.V.2014, 6 exx (ECO); Pettaio, 120 m, 2.V.2014, 6 exx (ECO); 115 m, 10.VI.2019, Bellò, Chemello legg. 18 exx (LFO); Isola del Giglio, 16.III.1991, Pierotti leg. 1 ex (GOS); 16.III.1991, Bellò leg. 3 exx (GOS); Giglio Porto, 233 m, 2.V.2014, Bellò, Chemello, Colonnelli, Meloni legg. 16 exx (LFO); Campese, Promontorio del Franco, 60 m, 2.V.2014, Bellò, Chemello, Colonnelli, Meloni legg. 5 exx (LFO); 115 m, 2.V.2014, Bellò, Chemello, Colonnelli, Meloni legg. 2 exx (LFO); Giglio Castello, 380 m, 2.V.2014, Bellò, Chemello legg. 1 ex (LFO); Giglio Castello, Poggio della Pagana, 507 m, 9.IV.2016, Bellò, Chemello, Forbicioni legg. 1 ex (LFO). **Gorgona Island:** Isola di Gor-

gona, 29.IX.1992, Bellò leg. 4 exx (GOS); olive groves near the village, 7-8.V.2015, 4 exx (LFO); Ferro di Cavallo/Torre Vecchia, 8.V.2015, 1 ex (LFO). **Montecristo Island:** Collo dei Lecci, 430 m, 29.IX.2016, Colonnelli, Meloni legg. 18 exx (ECO); 3.X.2016, 15 exx (ECO). **Palmaiola Islet:** 28.VIII.2015, 3 exx (LFO). **Pianosa Island:** La Fornace, 15.VI.1999, Abbazzi leg. 1 ex (CAB); near sports field, 14.II.2014, 1 ex (LFO).

Notes. Variable species collected by sifting litter from both woods and scrubland. All the data published for the Tuscan Archipelago as *E. variegata* must be referred to this species, which is very similar to it, whereas the true *E. variegata* is a Sicilian endemite (Stüben 2018). According to Luciano Diotti (pers. comm.), specimens from Capraia and Montecristo slightly differ from those collected in the remaining islands of Tuscan Archipelago and are worthy of further study.

New record for Capraia, Giglio, Gorgona and Pianosa islands; Cerboli and Palmaiola islets.

*Acallocrates minutesquamosus* (Reiche, 1869) (Figs. 76a, 76b)

Chorotype. SEU

Literature records. Poggi (1976: 630, Montecristo); Fanfani, Groppali (1979: 26, Montecristo); Osella (1981a: 366, Giannutri).

Material examined. **Elba Island:** Portoferraio, 28.II.1990 Magnani leg. L1 ex (GOS); Portoferraio, Acquabona, 15.I.2011, 1 ex (LFO); 21.I.2012, 1 ex (LFO); 2.II.2013, 1 ex (LFO); Portoferraio, Acquabona/Monte Fabbrello, 15.V.2012, 1 ex (LFO); 30.XII.2012, 2 exx (LFO); Portoferraio, Volterraio, 10.II.2013, 1 ex (LFO); Portoferraio, Albereto/Montebello, 7.IX.2014, 7 exx (LFO); Capoliveri, Lacona, Poggio Marcuccio, 23.I.2011, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 7.I.2009, 2 exx (LFO); 6.I.2013, 4 exx



Fig. 76a. Thanatosis of *Acallocrates minutesquamosus* (Reiche, 1869) on Elba Island. Length 4.50-5.00 mm.



Fig. 76b. Sifting for *Acallocrates minutesquamosus* (Reiche, 1869) on Montecristo Island.

(LFO); 16.II.2012, 1 ex (LFO); Campo nell'Elba, Monte Perone, Piana al Canale, 1.II.2013, 6 exx (LFO); Marciana, Monte Maolo, Sentiero delle Farfalle, 700 m, N42°46'25,2" E10°11'19,5", 6.VI.2017, 1 ex (LFO). **Giannutri Island:** Isola di Giannutri 14/20.V.1978, Gardini-Briganti leg. 2 exx (GOS). **Montecristo Island:** Montecristo, 24.XI.1997, Osella leg. 1 ex (GOS); Collo dei Lecci, 29.IX.2016 1 ex (ECO); 30.IX.2016, 1 ex (LFO).

Notes: Collected under the bark and/or beating dry or decaying branches of holm and cork oaks. New record for the Elba Island.

***Torneuma liguricum* Stüben, 2007**

Chorotype. **END**

Literature records. Holdhaus (1923: 112, Elba: Villa Napoleone); Luigioni (1929: 927, Elba); Porta, 1932: 193, Elba), all quoted as *Torneuma grouvellei* Desbrochers, 1890; Stüben (2007: 60, Giglio e Giannutri); Stüben (2008: 65, Giglio e Giannutri); Abbazzi, Maggini (2009: 166, Elba, Giglio e Giannutri), all quoted as *Torneuma grouvellei liguricum*.

Material examined. **Elba Island:** Capoliveri,

Monte Calamita, 24.IV.2015, Casalini leg, 1 ex (RCA). **Capraia Island:** former prison entrance, 20.V.2016, 1 ex (LFO); near former prison entrance, 70 m, N43°02.952' E9°49.714', 20/23.V.2016, Bellò, Chemello, Forbicioni legg. 1 ex (LFO). **Giglio Island:** Isola del Giglio, 22.V.1991, P. Magrini leg. 1 ex (CAB); 18-22.IV.2007, R. Casalini leg. 3 exx (RCA); Il Franco, 18.VII.2009, G. Caoduro leg. 1 ex (GOS).

Notes: Collected sifting litter of Holm oak or under *Asphodelus* sp. New record for the Capraia Island.

**Cossoninae Schoenherr, 1825**

Choerorhinini Folwaczny, 1973

***Choerorhinus squalidus* Fairmaire, 1858**

(Fig 77a)

Chorotype. **MED**

Material examined. **Elba Island:** Portoferraio, Volterraio, 10.II.2013, 5 exx (LFO); 25.IV.2013, 5 exx (LFO); Portoferraio, Acquabona/Casine, 14.IV.2013, 1 ex (LFO).

Notes. Collected under the barks of *Quercus suber*. New record for the Tuscan Archipelago.



Fig. 77a. *Choerorhinus squalidus* Fairmaire, 1858, dorsal view. Length 2.80 mm.

Dryotribini LeConte, 1876



*Amaurorhinus (Amaurorhinus) bewickianus* (Wollaston, 1860) (Figs. 78a, 78b, 78c, 78d)

Chorotype. **MED**

Material examined. **Elba Island:** Portoferraio, in a private house, 23.IV.2013, 1 ex (LFO); 1.IX.2014, 1 ex (LFO); 7.V.2015, 1 ex (LFO).

**Giannutri Island:** Sotterranei della Villa Romana, 12.V.1992, S. Taiti leg. 1 ex (CAB).

Notes. New record for the Tuscan Archipelago.

*Amaurorhinus (Amaurorhinus) sardous gardinii* Osella, 1981

Chorotype: **END**

Literature records. Osella, 1981a: 365, Giannutri); Abbazzi, Sforzi (2001: 272, Giannutri); Abbazzi, Maggini (2009: 167, Giannutri).

Material examined. **Giannutri Island:** Giannutri, 14-20.V.1978, Gardini, Briganti, Benedetti, Torchia, Zoia legg. 1 ex holotype (GOS).

Notes. The species is known only for the Giannutri Island.

*Amaurorhinus (Amaurorhinus) rossellae* Abbazzi, Forbicioni, 2019: 53-59.

Chorotype. **ENT**

Material examined. **Pianosa Island:** Cala Giovanna, 11.V.1998, L. Bartolozzi, B. Cecchi, L.

Fig. 78a. *Amaurorhinus (Amaurorhinus) bewickianus* (Wollaston, 1860), dorsal view. Length 3.10 mm.



Fig. 78b. *Amaurorhinus (Amaurorhinus) bewickianus* (Wollaston, 1860), lateral view. Length 3.10 mm.



Fig. 78c. *Amaurorhinus (Amaurorhinus) bewickianus* (Wollaston, 1860), a specimen found in a house on a cultivated plant of *Dionaea muscipula* (J. Ellis) on Elba Island. Length 3.10 mm.



Fig. 78d. Larger *Amaurorhinus (Amaurorhinus) bewickianus* (Wollaston, 1860) same specimen. Length 3.10 mm.

Dapporto, P. Lo Cascio, A. Sforzi leg. Holotype, (MZSF); Pianosa, Cala Giovanna, 26.V.2019, L. Forbicioni leg. 3 exx (2 LFO; 1 ECO).

Notes. The species has been collected inside or under pieces of drifted wood, along with numerous individuals of *Pselactus spadix* and *Mesites pallidipennis* on the short stretch of sandy coastline of Cala Giovanna. It is presumable that, like other congeners, it is linked to coastal environments and to dead wood deposited in brackish areas.

Cossonini Schoenherr, 1825

*Mesites (Mesites) pallidipennis* (Boheman, 1837) (Figs. 79a, 79b)

Chorotype. TUM

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Porto Azzurro, Mola, beach/marsh, 23.VII.2014, 2 exx (LFO); Capoliveri, Straccoligno, 4 exx (LFO); Capoliveri, Mola, 12.VII.2016, 1 ex (LFO). **Giglio Island:** Isola del Giglio, 20.VII.2009, Caoduro leg. 2 exx (GOS). **Montecristo Island:** Montecristo, 4.VI.2014, Roger Vila leg. 1 ex (LFO); Cala Maestra, 7-8.VI.2015, 18 exx (LFO); Cala Santa Maria, 2.X.2016, 1 ex (LFO), 1 ex (ECO). **Pianosa Island:** Cala Giovanna, 2.VI.2014, 5 exx (LFO); 20.V.2014, A. Ambrogio leg. 3 exx (LFO).

Notes. Collected under beached wood, at sunset in a dune or attracted by artificial light, in any case near the seashore. New record for Elba, Giglio, and Montecristo islands.



Fig. 79a. *Mesites (Mesites) pallidipennis* (Boheman, 1837) on beached wood, dorsal view. Length 5.00 mm.



Fig. 79b. Males and female *Mesites (Mesites) pallidipennis* (Boheman, 1837): variability. Length 4.00-5.00 mm.

Onycholipini Wollaston, 1873

*Brachytemnus porcatus* (Germar, 1823)

Chorotype. EUM

Material examined. **Elba Island:** Portoferraio, San Martino, 3.VIII.2014, M. Mei leg. 2 exx (LFO). Rio, valico del Volterraio, 22.IV.2014, 3 exx (LFO); Campo nell'Elba, Monte Maolo, 22.VI.2014, 3 exx (LFO); Marciana, Campo all'Aia, 2.VI.2014, 2 exx (LFO). **Capraia Island:** near the former prison entrance, 70 m, 20-23.V.2016, Bellò, Chemello e Forbicioni legg. 18 exx (LFO). **Giglio Island:** Poggio della Pagnana, 9.IV.2016, 10 exx (LFO). **Gorgona Island:** Ferro di Cavallo/Torre Vecchia, 8.V.2015, 5 exx (LFO). **Montecristo Island:** Cala Maestra, 7.VI.2015, 1 ex (LFO).

Notes. Collected under barks of conifers, mainly *Pinus*. New record for the Tuscan Archipelago.

*Pselactus spadix* (Herbst, 1795) (Fig 80a)

Chorotype. EUM

Literature records: Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Montecristo Island:** Cala Santa Maria, 2.X.2016, 1 ex (LFO), 4 exx (ECO). **Pianosa Island:** Grotta delle Vacche, 7.X.2013, 29 exx (GOS, LFO); 6.V.2014, 2 exx (LFO);

Cala San Giovanni, 6.V.2014, 1 ex (ECO); Belvedere, 6.V.2014, 1 ex (ECO).

Notes. Collected under beached wood near seashore. New record for Montecristo Island.

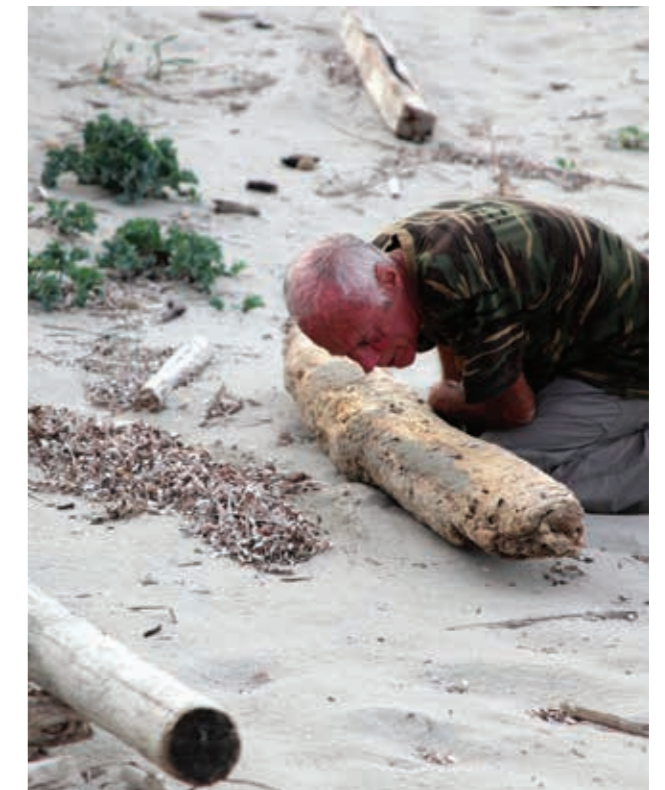


Fig. 80a. E. Colonnelli while looking for *Pselactus spadix* (Herbst, 1795) on beached wood on Pianosa Island. Length 3.50 mm.

Rhyncolini Gistel, 1848

**Rhyncolus (Rhyncolus) elongatus** (Gyllenhal, 1827)

Chorotype. **EUM**

Material examined. **Elba Island:** Portoferraio, Colle Reciso, 80 m, 30.V.2011, 1 ex (LFO); Portoferraio, San Martino, 3.VI.2012, 2 exx (LFO); Capoliveri, Monte Calamita, 7.IX.2010, 2 exx (LFO); Capoliveri, Lacona, 12.XII.2010, 1 ex (LFO); Campo nell'Elba, Monte Perone, Castagnone, 19.VI.2013, 1 ex (LFO); 30.VII.2013, 2 exx (LFO); Campo nell'Elba, Monte Maolo, 22.VI.2014, 7 exx (LFO). **Capraia Island:** dintorni former prison entrance, 70m, 20-23.V.2016, Bellò, Chemello, Forbicioni legg. 1 ex (LFO). **Giglio Island:** Poggio della Pagana, 9.IV.2016, 1 ex (LFO). **Gorgona Island:** Ferro di Cavallo/Torre Vecchia, 8.V.2015, 1 ex (LFO).

Notes. Collected under barks of conifers, mainly *Pinus*. New record for the Tuscan Archipelago.

**Rhyncolus (Rhyncolus) strangulatus** Perris, 1852

Chorotype. **MED**

Material examined. **Capraia Island:** near former prison entrance, 20.V.2016, 1 ex (LFO).

Notes. Collected under *Pinus* barks. New record for the Tuscan Archipelago.

**Melicius cylindrus** (Boheman, 1838)

Chorotype. **EUM**

Literature records: Poggi (1976: 630, Montecristo); Fanfani, Groppali (1979: 26, Montecristo), both as *Rhyncolus cylindrus*.

Material examined. Cala Maestra - 24.XI.1976 - Osella, 24 exx (GOS).

Notes. Reported only for the Montecristo Island.

**Melicius gracilis** (Rosenhauer, 1856)

Chorotype. **EUM**

Literature records. Poggi (1976: 630, Montecristo); Fanfani, Groppali (1979: 26, Montecristo), as *Rhyncolus gracilis*.

Material examined. **Elba Island:** Portoferraio, Acquabona, 30.XII.2012, 13 exx (LFO); 27.X.2015, 1 ex (LFO); Portoferraio, Volterra-

io, 10.II.2013, 18 exx (LFO); Portoferraio, Le Ghiaie, 30.VIII.2013, 1 ex (LFO). **Montecristo Island:** Cala Maestra, III.1972, leg. M. Pavan, 10 exx(GOS), 24.XI.1976, leg Osella, 172 exx(-GOS); 11.X.2015, 1 ex (LFO); Colle dei Lecci, 24.XI.1976, leg. Osella, 35 exx (GOS).

Notes. Collected under cork and holm-oak barks.

New record for the Elba Island.

**Ceutorhynchinae Gistel, 1848**

Phytobiini Gistel, 1848

**Rhinoncus leucostigma** (Marsham, 1802)

Chorotype. **OLA**

Material examined. **Elba Island:** Portoferraio, Colle Reciso, 80 m, 30.V.2011, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 16.III.2013, 1 ex (LFO); 6.XII.2014, 1 ex (LFO); 25.VI.2015, 1 ex (LFO); 16.V.2015, 8 exx (LFO); 11.I.2016, 1 ex (LFO); 4.III.2016, 1 ex (LFO); 18.III.2016, 6 exx (LFO); Portoferraio, Tre Acque, 14.IV.2016, 1 ex (LFO).

Notes. A common species collected beating *Rumex* spp. New record for the Tuscan Archipelago.

**Rhinoncus perpendicularis** (Reich, 1797)

Chorotype. **ASE**

Material examined. **Elba Island:** Portoferraio, Tre Acque, 14.IV.2016, 1 ex (LFO); Campo nell'Elba, La Foce, 30.IV.2016, 2 ex (LFO); Marciana, Poggio, Tenditoio, 1.IV.2015, 1 ex (LFO).

Notes. Collected beating *Persicaria* spp. New record for the Tuscan Archipelago.

Ceutorhynchini Gistel, 1848

**Drupenatus nasturtii** (Germar, 1823)

Chorotype. **EUM**

Material examined. **Elba Island:** Capoliveri, Valdana ditch, 4.III.2015, 4 exx (LFO); 21.III.2015, 14 exx (LFO).

Notes. Collected only once beating *Nasturtium officinale* R. Br. growing at margin of a ditch.

New record for the Tuscan Archipelago.

**Zacladus exiguus** (Olivier, 1807)

Chorotype. **WPA**

Literature records. Holdhaus (1923: 112, Elba as *Allodactylus exiguus*); Luigioni (1929: 928, Elba); Porta (1932: 199, Elba).

Material examined. **Elba Island:** Portoferraio, Le Picchiaie, 19.X.2013, 1 ex (LFO).

Notes. The only newly collected specimen was gathered by sifting.

**Micrelus ferrugatus** (Perris, 1847)

Chorotype. **WME**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 928, Elba); Porta (1932: 198, Elba).

Material examined. None.

Notes. Uncommon species related to *Erica* spp.

**Ceutorhynchus assimilis** (Paykull, 1792)

Chorotype. **WPA**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 928, Elba); Porta (1932: 202, Elba), all quoted as *Ceutorhynchus pleurostigma* (Marsham, 1802).

Material examined. **Elba Island:** Portoferraio, Le Prade, 6.XI.2010, 1 ex (LFO); Portoferraio, Volterraio, 200 m, 5.V.2014, 1 ex (ECO); Portoferraio, Acquabona, 12.V.2014, 1 ex (LFO); Portoferraio, Buraccio, 9.IV.2017, 1 ex, (LFO); Porto Azzurro, Mola beach, 10.V.2014, 1 ex (LFO). Notes. Collected beating Brassicaceae.

**Ceutorhynchus atomus** Boheman, 1845

Chorotype. **EUM**

Literature records. Penecke (1936: 218, Elba: Monte Capanne); Porta (1949: 330, Elba: Monte Capanne), both as *Ceutorhynchus ilvensis* Penecke, 1936.

Material examined. **Elba Island:** Rio, Volterraio, 9.V.2014, 1 ex (LFO); Capoliveri, Monte Calamita NE slope, 365 m, 31.X.2013, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 17.VII.2010, G. Caoduro leg. 4 exx (LFO); Campo nell'Elba, Pieve San Giovanni, 415 m, 5.X.2013, Bellò, Chemello legg. 4 exx (ECO); Campo nell'Elba, Sant'Ilario, 300 m, 30.IV.2016, 1 ex (LFO); Marciana/Campo nell'Elba, Monte Perone,

30.IX.2003, Bellò leg, 1 ex (GOS); Marciana, Monte Capanne, Fonte Napoleone, 320 m, 27.XI.2013, 2 exx (LFO); Marciana, Poggio, Tenditoio, 31.X.2014, 4 exx (LFO).

Notes. Species collected beating Brassicaceae and sifting *Robinia* litter.

**Ceutorhynchus unguicularis** C. G. Thomson, 1871

Chorotype. **ASE**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 935, Elba); Porta (1932: 212, Elba), all quoted as *Ceutorhynchus curvirostris* A. Schultze, 1898.

Material examined. None.

Notes. Early spring species not recollected recently and associated to *Arabis* spp.

**Ceutorhynchus duvali** C. Brisout, 1869

Chorotype. **SEU**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 935, Elba); Porta (1932: 202, Elba).

Material examined. **Elba Island:** Portoferraio, strada del Volterraio, 5.V.2014, 1 ex (LFO); Rio, Monte Arco, 5.V.2014, 2 exx (LFO); Campo nell'Elba, Monte Perone, road to San Piero, 2.VI.2016, 1 ex, (LFO); 13.V.2017, 1 ex (LFO); Campo nell'Elba, Monte Perone, Piana del Canale, 1 ex, (LFO).

Notes. Weevil associated to *Bunias erucago* L.

**Ceutorhynchus obstrictus** (Marsham, 1802)

Chorotype. **WPA**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 936, Elba); Porta (1932: 213, Elba); Solari (1949: 70, Elba); Porta (1959: 290, Elba), all quoted as *Ceutorhynchus assimilis* (Paykull, 1792).

Material examined. **Elba Island:** Portoferraio, Schiopparello, beach, 24.IV.2011, 3 exx (LFO); Portoferraio, Tre Acque, 4.IV.2012, 1 ex (LFO); 2.V.2014, 12 exx (LFO); Portoferraio, road to Enfola/Sansone, 25.IV.2012, 4 exx (LFO); Portoferraio, Acquabona, 2.VI.2012, 1 ex (LFO); 11.IV.2016, 2 exx (LFO); 2.V.2017, 1 ex (LFO); Portoferraio, Monte Orzo, 50 m, 28.IV.2014, 5

exx (LFO); Portoferraio, strada del Volterraio, 5.V.2014, 1 ex (LFO); Portoferraio, Le Prade, 8.IV.2015, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 17.V.2015, 1 ex (LFO); 5.IV.2017, 3 exx (LFO); Rio, Monte Arco, 5.V.2014, 1 ex (LFO); Porto Azzurro, Buraccio/Monte Castello, 300/350 m, 11.VI.2014, 1 ex (LFO); Capoliveri, Mola, 19.IV.2012, 1 ex (LFO); Capoliveri, Lacona, 28.IX.1985, Sette leg. 1 ex (GOS).  
Notes. A common pest species on various crucifers, swept from these plants.

***Ceutorhynchus fallax*** Boheman, 1845

Chorotype. **EUM**

Material examined. **Elba Island:** Portoferraio, Buraccio, 9.IV.2017, 2 exx, (LFO); Capoliveri, Norsì, 5 m, 10.VI.2011, 2 exx (LFO);  
Notes. Found sweeping crucifers. New record for the Tuscan Archipelago.

***Ceutorhynchus erysimi*** (Fabricius, 1787)

Chorotype. **OLA**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 937, Elba); Porta (1932: 212, Elba).

Material examined. **Elba Island:** Portoferraio, Valle di Lazzaro, 9.IV.2015, 1 ex (LFO); Rio, Valle del Frasso, 17.V.2015, 1 ex (LFO).

Notes: Collected sweeping and beating Brassicaceae.

***Ceutorhynchus contractus*** (Marsham, 1802)

Chorotype. **PAL**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 937, Elba); Porta (1932: 212, Elba).

Material examined. **Elba Island:** Portoferraio, Tre Acque, 14.IV.2016, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 300 m, 30.IV.2016, 6 exx (LFO). **Giglio Island:** Poggio della Pagana, 9.IV.2016, 18 exx (LFO).

Notes. Collected sweeping and beating Brassicaceae. New record for the Giglio Island.

***Ceutorhynchus hirtulus*** Germar, 1823

Chorotype. **EUM**

Literature records. Holdhaus (1923: 112, Elba);

Luigioni (1929: 937, Elba); Porta (1932: 210, Elba).

Material examined. None.

Notes. Quite uncommon species on Brassicaceae.

***Ceutorhynchus chalybaeus*** Germar, 1823

Chorotype. **ASE**

Literature records. Holdhaus (1923: 112 as *Ceutorhynchus timidus* Weise, 1883); Luigioni (1929: 938, Elba as *Ceutorhynchus chalybaeus* ab. *timidus*); Porta (1932: 211, Elba as *Ceutorhynchus chalybaeus* e *Ceutorhynchus timidus*); Magnano (1961: 58, Elba); Magnano (1964a: 142).

Material examined. **Elba Island:** Portoferraio, Monte Orello, 350 m, 2.V.2017, 2 exx (LFO); Campo nell'Elba, Pieve San Giovanni, 415 m, 5.X.2013, Bellò, Chemello legg, 1 ex (ECO); Campo nell'Elba, Torre San Giovanni, 300 m, 4.V.2014, 1 ex (ECO); 30.IV.2016, 11 exx (LFO); Campo nell'Elba, San Piero, Piana del Canale, 23.IV.2017, 1 ex (LFO); Marciana, Patresi, Uviale di Patresi, 30.V.2017, 1 ex (LFO).

**Giglio Island:** Acqua Selvaggia, 4.V.2016, 2 exx (LFO); Dolce road, 4.V.2016, 1 ex (LFO).

Notes. Collected sweeping and beating Brassicaceae. New record for the Giglio Island.

***Ceutorhynchus laetus*** Rosenhauer, 1856

Chorotype. **SEU**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 937, Elba); Porta (1932: 209, Elba).

Material examined. None.

Notes. Very rare species whose presence on Elba is very probable.

***Ceutorhynchus leprieuri*** C. Brisout, 1881

Chorotype. **WEU**

Material examined. **Elba Island:** Portoferraio, San Giovanni, 14.X.2010, 1 ex (LFO); 4.IV.2012, 4 exx (LFO); 13.V.2014, 2 exx (LFO); Portoferraio, Colle Reciso, 5.V.2013, 1 ex (LFO); Portoferraio, Monte Orzo, 50 m, 28.IV.2014, 1 ex (LFO); Portoferraio, Tre Acque, 2.V.2014, 5 exx (LFO); 14.IV.2016, 3 exx (LFO); Portoferraio, Acquabona, 11.IV.2016, 4 exx (LFO); Portoferraio, Schiopparello/Le Prade, 5.IV.2017, 3

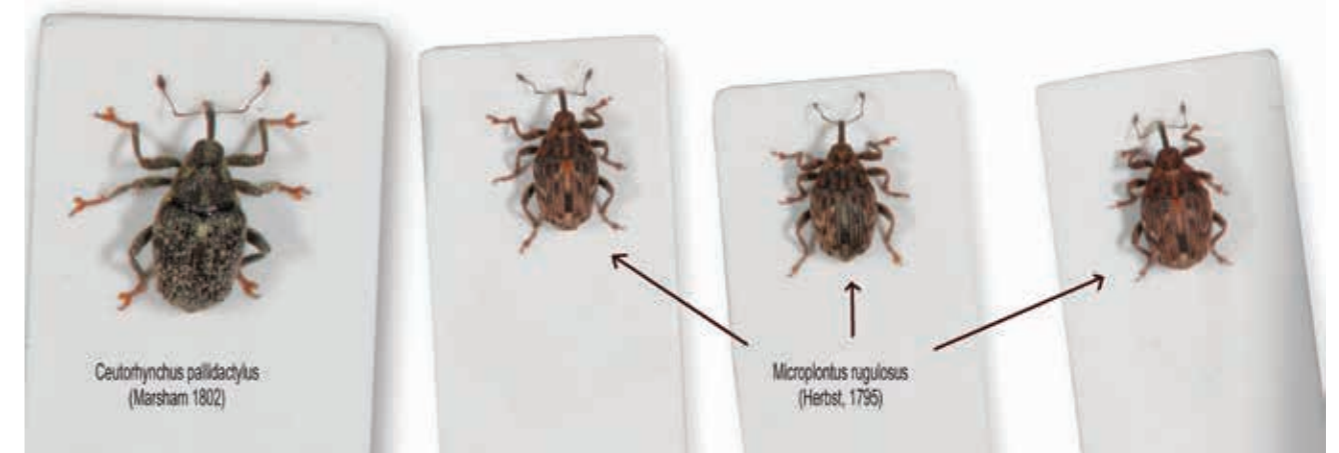


Fig. 81a. *Ceutorhynchus pallidactylus* (Marsham, 1802) compared with *Microplontus rugulosus* (Herbst, 1795).

exx (LFO); Portoferraio, Buraccio, 9.IV.2017, 3 exx (LFO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 9 exx (LFO); Portoferraio, Valle di Lazzaro, 10.IV.2017, 3 exx (LFO); Porto Azzurro, beach e Mola marsh, 10.V.2014, 1 ex (LFO); Capoliveri, Mola marsh, 2.IV.2016, 3 exx (LFO); Campo nell'Elba, Monte Maolo, 650 m, 6.VI.2017, 5 exx (LFO).

Notes. Collected sweeping and beating Brassicaceae, mainly *Bunias erucago* L. New record for the Tuscan Archipelago.

***Ceutorhynchus pallidactylus*** (Marsham, 1802) (Fig 81a)

Chorotype. **COS**

Literature records Holdhaus (1923: 112, Elba); Luigioni (1929: 937, Elba); Porta (1932: 210, Elba), all quoted as *Ceutorhynchus quadridens* Panzer, 1795; Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 4.IV.2012, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 18.X.2013, 1 ex, (LFO); 13.V.2014, 1 ex, (LFO); 9.VI.2014, 1 ex, (LFO); Portoferraio, Colle Reciso/Schiumoli, 9.IV.2014, L., R. Forbicioni legg. 3 exx (LFO); Portoferraio, Volterraio, 200 m, 5.V.2014, 1 ex (ECO); Portoferraio, Acquabona, 11.IV.2016, 1 ex, (LFO); Portoferraio, Albereto, 28.V.2016, 1 ex, (LFO); Portoferraio, Monte Orello, 350 mt, 2.V.2017, 5 exx, (LFO); Capoliveri, Gualdo, 8.VI.2014, 1 ex (LFO); Capoliveri, Road to Na-

regno, 21.II.2017, 1 ex (LFO); Capoliveri, Capanna di Gustavo, 4.V.2014, 1 ex (ECO); Campo nell'Elba, Fosso Stabiati, 27.V.2018, 1 ex (LFO). **Pianosa Island:** 2.VI.2014, 1 ex, (LFO).

Notes. Extremely common species collected sweeping and beating various Brassicaceae, and occasionally by sifting litter.

***Ceutorhynchus picitarsis*** Gyllenhal, 1837

Chorotype. **WPA**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 937, Elba); Porta (1932: 210, Elba); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Capoliveri, Lacona, 28.IX.1985, Sette leg. 1 ex (GOS). **Pianosa Island:** Isola di Pianosa, malaise trap, 14.XI.2000-6.II.2001, F. Strumia leg, 1 ex (MSUC).

Notes. Usually this species is common in Italy on several crucifers, it appears however rare in the Tuscan Archipelago.

***Ceutorhynchus viridipennis*** C. Brisout, 1869

Chorotype. **MED**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 938, Elba); Porta (1932: 210, Elba); Magnano (1964: 142, Elba).

Material examined. **Elba Island:** Portoferraio, Acquabona, 11.IV.2016, 1 ex, (LFO); Portoferraio, Volterraio, 200 m, 5.V.2014, 1 ex (ECO); Portoferraio, Valle di Lazzaro, 10.IV.2017, 4 exx (LFO); Rio, Monte Arco, 5.V.2014, 3 exx,

(LFO); Capoliveri, Lacona beach, 1.IV.2014, 1 ex, (LFO); Capoliveri, Monte Calamita, 24.IV.2015, 1 ex, (LFO); Campo nell'Elba, Valbuia, 1.IV.2012, 3 exx, (LFO); Campo nell'Elba, Torre San Giovanni, 300 m, 4.V.2014, 1 ex (ECO); Campo nell'Elba, Monte Perone, road to San Piero, 2.VI.2016, 3 exx, (LFO); Marciana, Valle di Pomonte, 17.IV.2013, 4 exx, (LFO).  
Notes. Collected sweeping and beating *Bunias erucago* L.

***Sirocalodes mixtus*** (Mulsant, Rey, 1858)

Chorotype. **EUM**

Literature records. Holdhaus (1923: 112, Elba as *Ceutorhynchus mixtus*); Luigioni (1929: 930, Elba); Porta (1932: 218, Elba), all quoted as *Sirocalus mixtus*.

Material examined. **Elba Island:** Portoferraio, San Giovanni, 4.IV.2012, 1 ex (LFO); Portoferraio, road to Volterraio, 5.V.2014, 2 exx (LFO); Portoferraio, Acquaviva, 18.VI.2014, 1 ex (LFO); Rio, Monte Arco, 5.V.2014, 1 ex (LFO); Porto Azzurro, Reale, 5.V.2014, 1 ex (LFO); Porto Azzurro, Mola, wet area/beach, 6.VI.2014, 1 ex (LFO); Capoliveri, beach di Lacona, 4.V.2014, 1 ex (LFO); Campo nell'Elba, Torre San Giovanni, 370 m, 4.V.2014, 1 ex (ECO). **Capraia Island:** Belvedere near the village, 21.V.2016, 1 ex, Bellò, Chemello, Forbicioni legg. (ECO). **Giglio Island:** Fontuccia, 1.V.2014, 1 ex (ECO). **Montecristo Island:** Collo dei Lecci, 30.IX.2016, 1 ex (LFO). **Pianosa Island:** village surroundings, 6.V.2014, 1 ex (ECO).

Notes. Collected on *Fumaria* spp., or sifting inside Mediterranean shrubs. New record for the Capraia, Giglio, Montecristo, and Pianosa islands.

***Calosirus apicalis*** (Gyllenhal, 1827)

Chorotype. **EUR**

Literature records. Holdhaus (1923: 112, Elba as *Ceutorhynchus apicalis*); Luigioni (1929: 930, Elba); Porta (1932: 218, Elba), ambedue as *Sirocalus apicalis*.

Material examined. **Elba Island:** Monte Perone, 550 m, 14.V.1998, 2 exx, F. Angelini leg. (ECO); Campo nell'Elba, San Piero, sports field,

6.VI.2004, 1 ex, (SCU).

Notes. Quite rare species collected on Apiaceae.

***Oprohinus consputus*** (Germar, 1823)

Chorotype. **EUR**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 935, Elba); Porta (1932: 211, Elba), all quoted as *Ceutorhynchus consputus*.  
Material examined. **Elba Island:** Portoferraio, Acquabona, 26.V.2011, 2 exx (LFO); Portoferraio, Volterraio/Macinino, 12.V.2013, 1 ex (LFO); Portoferraio, Valdana/Bivio Norsì, 27.V.2015, 1 ex (LFO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 1 ex (LFO). Rio, Belvedere del Volterraio, 6.X.2013, 1 ex (ECO); Capoliveri, Poggio del Marcuccio, 21.IV.2012, 1 ex (LFO); Capoliveri, Lacona Lido, 21.IV.2012, 1 ex (LFO); Campo nell'Elba, Marina di Campo, 15.VI.1999, Abbazzi leg, 1 ex (CAB); Campo nell'Elba, road to Sant'Ilario, 100/140 m, 3.XI.2013, 1 ex (LFO); Marciana, Colle Dorano, 110 m, 8.X.2013, Bellò, Chemello legg. 1 ex (ECO).

Notes. Collected sweeping *Allium* spp. and sifting under these plants.

***Glocianus distinctus*** (C. Brisout, 1870)

Chorotype. **TUM**

Literature records. Holdhaus (1923: 112, Elba); Porta (1932: 204, Elba), all quoted as *Ceutorhynchus marginatus* (Paykull, 1792).

Material examined. **Elba Island:** Portoferraio, Acquabona, 20 m, 26.V.2011, 1 ex (LFO); Portoferraio, Fosso del Buraccio, 11.X.2013, 1 ex (LFO); Capoliveri, Pian di Mola, 9.VI.2011, 1 ex (LFO); Capoliveri, Mola, 25.VI.2015, 1 ex (LFO).

Notes. Collected sifting olive litter and beating Asteraceae.

***Glocianus ragusae*** (C. Brisout, 1889)

Chorotype. **MED**

Literature records. Holdhaus (1923: 112, Elba: Portoferraio); Luigioni (1929: 935, Elba); Porta (1932: 214, Elba), all quoted as *Ceutorhynchus ragusae*.

Material examined. **Elba Island:** Portoferraio, Volterraio/Macinino, 12.V.2013, 1 ex (LFO); Capoliveri, Monte Calamita, 2 exx (LFO); Marcia-

na, Poggio, Vicinale del Tenditoio, 31.X.2014, 4 exx (LFO).

Notes. Collected sifting litter under Mediterranean scrub, garrigue and broadleaved forests.

***Stenocarus cardui*** (Herbst, 1784)

Chorotype. **WPA**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. None.

Notes. Elusive species, usually found under basal leaves of *Papaver* spp.

***Stenocarus ruficornis*** (Stephens, 1831)

Chorotype. **WPA**

Literature records. Holdhaus (1923: 112, Elba); Porta (1932: 200, Elba), both as *Stenocarus fuliginosus* (Marsham, 1802).

Material examined. **Elba Island:** Portoferraio, Acquabona, artificial lake, 12.V.2014, 1 ex (LFO).

Notes. Collected on *Papaver* sp.

***Phrydiuchus spilmani*** Warner, 1969

(Figs. 82a, 82b)

Chorotype. **WME**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa); Abbazzi, Maggini (2009: 172, Elba e Pianosa).

Material examined. **Elba Island:** without location, VII.1973, Abbazzi leg. 1 ex (CAB); Capoliveri, Mola, 3.VI.2015, 1 ex (LFO); Rio, Monte



Fig. 82a. *Phrydiuchus spilmani* Warner, 1969, dorsal view. Length 4.70 mm.



Fig. 82b. *Phrydiuchus spilmani* Warner, 1969, lateral view. Length 4.70 mm.



Fig. 83a. *Hadroplontus trimaculatus* (Fabricius, 1775), dorsal view. Length 4.00 mm.

Serra, Eremo di Santa Caterina, 8.XI.2014, 1 ex (LFO). **Pianosa Island:** Punta Secca, 4.I.2015, 1 ex (LFO).

Notes. This species is active in spring and autumn, and was found under rosettes of *Salvia verbenaca* L., the only one present in the above-mentioned localities.

***Parethelcus pollinarius*** (Forster, 1771)

Chorotype. **WPA**

Literature records. Holdhaus (1924: 112, Elba); Luigioni (1929: 934, Elba); Porta (1932: 208, Elba), all quoted as *Ceutorhynchus pollinarius*.

Material examined. **Elba Island:** Campo nell'Elba, Seccheto, 27.V.2018, 1 ex (LFO); 27.V.2018, 1 ex (LFO). **Pianosa Island:** village surroundings, 13.II.2014, 1 ex (LFO).

Notes. Collected on *Urtica* sp. New record for the Pianosa Island.

***Hadroplontus trimaculatus*** (Fabricius, 1775)

(Figs. 83a, 83b)

Chorotype. **WPA**

Material examined. **Elba Island:** Portoferraio, Volterraio, 200 m, 5.V.2014, 1 ex (ECO); Capoliveri, Capanna di Gustavo, 160 m, 4.V.2014, 2

exx (ECO); Porto Azzurro, Reale, 5.V.2014, 2 exx (LFO); Capoliveri, Monte Calamita, Innamorata, 120 m, 10.V.2014, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 300 m, 30.IV.2016, 2 exx (LFO); Marciana, Patresi, 30.V.2017, 13 exx (LFO).

Notes. Collected beating *Carduus pycnocephalus* L. New record for the Tuscan Archipelago.

***Mogulones geographicus*** (Goeze, 1777)

Chorotype. **EUM**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 932, Elba); Porta (1932: 209, Elba), all quoted as *Ceutorhynchus geographicus*.

Material examined. **Elba Island:** Portoferraio, Acquabona, 20.V.2011, 3 exx (LFO); 12.V.2014, 16 exx (LFO); Portoferraio, Schiopparello/Le Prade, 8.V.2014, 2 exx (LFO); Portoferraio, Le Prade, 5.IV.2017, 1 ex (LFO); Portoferraio, Valdana/Bivio Norsì, 27.V.2015, 7 exx (LFO); Capoliveri, Mola/Calanchiole, 2.VII.2013, 1 ex (LFO); Capoliveri, Vigne Vecchie, 7.V.2017, 5 exx (LFO); Campo nell'Elba, San Piero, 8.VI.2004, (SCU), 14 exx; 17.V.2015, 4 exx (LFO). **Capraia Island:** malaise trap, 20.X-10.XI.1999, F. Strumia leg, 1 ex (MSUC); La Lavanderia, 20.V.2016, 8 exx (LFO); road to La

Fig. 83b. *Hadroplontus trimaculatus* (Fabricius, 1775), lateral view. Length 4.00 mm.

Mortola, 20.V.2016, Bellò, Chemello, Forbicioni legg, 2 exx (LFO). **Giglio Island:** Capel Rosso, 9.IV.2016, 1 ex (LFO).

Notes. Collected beating *Echium plantagineum* L. New record for the Capraia Island and the Giglio Island.

***Mogulones peregrinus*** (Gyllenhal, 1813)

Chorotype. **MED**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 933, Elba); Porta (1932: 205, Elba), all quoted as *Ceutorhynchus peregrinus*.

Material examined. **Elba Island:** Portoferraio, San Giovanni, 4.IV.2012, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 3.III.2015, 2 exx (LFO); 21.III.2015, 3 exx (LFO); Portoferraio, Buraccio, 9.IV.2017, 5 exx (LFO); Capoliveri, Fosso della Valdana, 21.III.2015, 2 exx (LFO).

Notes. Collected beating only *Borago officinalis* L.

***Trichosirocalus horridus*** (Panzer, 1801)

Chorotype. **WPA**

Material examined. **Elba Island:** Portoferraio, Monte Fabrello, 8.V.2014, 1 ex (LFO); Portoferraio, Monte Orello, 2.V.2017, 1 ex (LFO); Rio, Valico del Volterraio, 15.X.2014, 1 ex (LFO); Capoliveri, Innamorata, 120 m, 10.V.2014, 1 ex (LFO); **Pianosa Island:** village surroundings, 6.V.2014, 3 exx (LFO).

Notes. Collected on *Carduus* spp. New record for the Tuscan Archipelago.

***Trichosirocalus rufulus*** (Dufour, 1851)

Chorotype. **EUM**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 931, Elba); Porta (1932: 219, Elba), all quoted as *Ceuthorrhynchidius rufulus*. Material examined. None.

Notes. Host plants of this rather uncommon weevil are in the genus *Plantago*.

***Trichosirocalus troglodytes*** (Fabricius, 1787)

Chorotype. **EUM**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 931, Elba); Porta (1932: 220, Elba), all quoted as *Ceuthorrhynchidius troglodytes*; Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Monte Orello, 23.IV.2011, 1 ex (LFO); Portoferraio, Buraccio ditch, 11.X.2013, 1 ex (LFO); Porto Azzurro, Capo d'Arco, 100 m, 5.V.2014, 2 exx (ECO); Porto Azzurro, Mola, wet area/beach, 6.VI.2014, 1 ex (LFO); Capoliveri, Pian di Mola, 2.VI.2011, 1 ex (LFO). **Pianosa Island:** Cala dell'Alga, 15.VI.2016, 1 ex (LFO).

Notes. Collected on *Plantago lanceolata* L. and sifting litter in olive grove.

***Microplontus campestris*** (Gyllenhal, 1837)

Chorotype. **EUR**

Material examined. **Elba Island:** Capoliveri, Pian di Mola, 9.VI.2011, 1 ex (LFO).

Notes. New record for the Tuscan Archipelago.

***Microplontus molitor*** (Gyllenhal, 1837)

Chorotype. **MED**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 934, Elba); Porta (1932: 207, Elba), all quoted as *Ceutorhynchus molitor*.

Material examined. **Elba Island:** Portoferraio, strada Enfola/Sansone, 25.IV.2012, 1 ex (LFO); Portoferraio-Schiopparello/Le Prade, 17.V.2015, 1 ex (LFO); Portoferraio, Buraccio, 2.VI.2017, 1 ex (LFO); Porto Azzurro, Mola, beach/marsh, 10.V.2014, 1 ex (LFO); Capoliveri, Pian di Mola, 28.V.2011, 1 ex (LFO); Campo nell'Elba, San Piero, 29.IV.2012, 3 exx (LFO); Campo nell'Elba, Bonalaccia, 6.VI.2016, 1 ex (LFO). **Capraia Island:** dintorni del porto, 5.V.1998, C. Giusto, E. Fannello legg. 1 ex (ECO). **Giglio Island:** Capel Rosso, 9.IV.2016, 1 ex (LFO); Calabugina, 3.V.2016, 2 exx (LFO); Acqua Selvaggia, 4.V.2016, 1 ex (LFO); Campese, 5.V.2016, 5 exx (LFO).

Notes. Collected beating Asteraceae, mainly *Cladanthus mixtus* (L.) and *Coleostephus myconis myconis* (L.) Cass ex Rchb. f. New records for Capraia Island and Giglio Island.

***Microplontus nigrovittatus*** (A. Schultze, 1901)

Chorotype. **MED**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 933, Elba); Porta (1932: 206, Elba); Colonnelli (1983: 157, Elba), all quoted

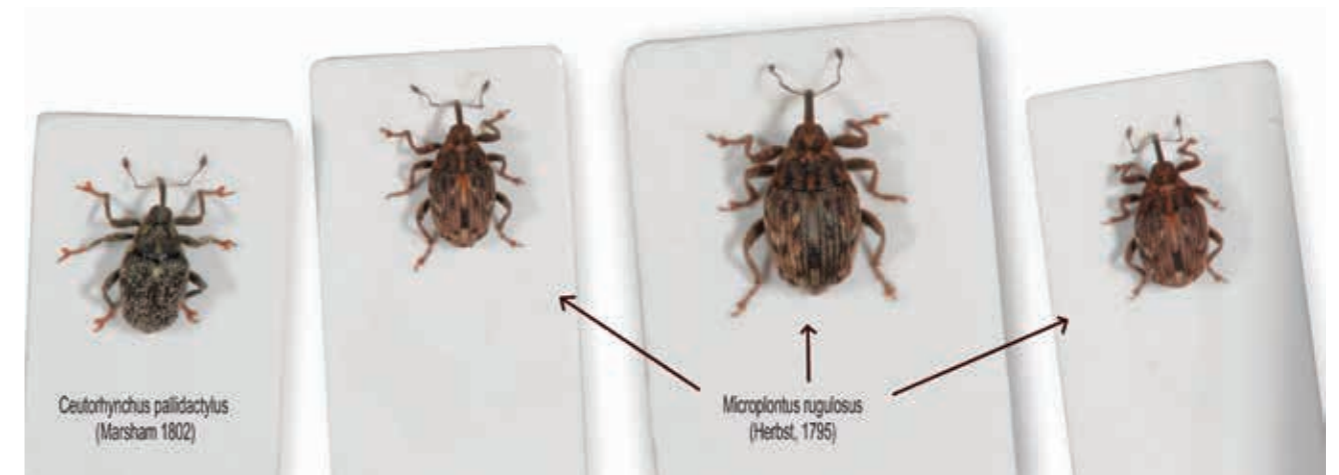


Fig. 84a. *Microplontus rugulosus* (Herbst, 1795) compared with *Ceutorhynchus pallidactylus* (Marsham, 1802).

as *Ceutorhynchus subfasciatus* Chevrolat, 1860. Material examined. **Elba Island:** Portoferraio, Le Prade, 6.XI.2010, 1 ex (LFO); Portoferraio, Colle Reciso, 80 m, 30.V.2011, 1 ex (LFO); Portoferraio, Acquabona, artificial lake, 12.V.2014, 1 ex (LFO); Portoferraio, Buraccio, 14.IX.2014, 1 ex (LFO); 18.III.2016, 1 ex (LFO); Portoferraio, Valdana-Bivio Norsì, 27.V.2015, 4 exx (LFO); Rio, Monte Arco, 5.V.2014, 3 exx (LFO); Porto Azzurro, Capo d'Arco, 100 m, 5.V.2014, 1 ex (ECO); Capoliveri, Pian di Mola, 28.V.2011, 2 exx (LFO); Capoliveri, Mola/Calanchiole, 31.V.2014, 1 ex (LFO); Capoliveri, Sassi Neri, 28.VII.2014, 1 ex (LFO); Campo nell'Elba, San Piero, 8.VI.2004, (SCU), 1 ex; Campo nell'Elba, Sant'Ilario, 300 m, 30.IV.2016, 2 exx (LFO); Campo nell'Elba, Bonalaccia, airport, 28.V.2017, 2 exx (LFO); Marciana, Patresi, 30.V.2017, 13 exx (LFO); 6.VI.2016, 1 ex (LFO). **Gorgona Island:** near Gorgona Scalo, 50 m, 4.X.2016, 1 ex R. Poggi leg. (MSNG).

Notes. Collected beating Asteraceae, mainly *Glebionis coronaria* L. New record for the Gorgona Island.

***Microplontus rugulosus*** (Herbst, 1795)

(Fig 84a)

Chorotype. **WPA**

Material examined. **Elba Island:** Portoferraio, Tre Acque, 2.V.2014, 2 exx (LFO); 10.IV.2015, 1 ex (LFO); Portoferraio, Acquabona, artifi-

cial lake, 12.V.2014, 1 ex (LFO); Porto Azzurro, Mola, beach/marsh, 10.V.2014, 2 exx (LFO); Capoliveri, Capanna di Gustavo, 160 m, 4.V.2014, 1 ex (ECO); Capoliveri, road to Naregno, 3.IV.2016, 3 exx L., R. Forbicioni leg. (LFO); Capoliveri, Vigne Vecchie, 7.V.2017, 2 exx (LFO). **Capraia Island:** Belvedere near the village, 21.V.2016, Bellò, Chemello, Forbicioni legg, 1 ex (ECO). **Gorgona Island:** Olive groove above the village, 7/8.V.2015, 1 ex (LFO). **Pianosa Island:** Isola di Pianosa, malaise trap, 14.XI.2000/6.II.2001, F. Strumia leg, 1 ex (MSUC); La Fornace, 22.V.2005, P. Abbazzi leg, 1 ex (CAB); Grotta delle Vacche, 6.V.2014, 2 exx (LFO); village surroundings, 2.VI.2014, 4 exx (LFO); 4.I.2015, 1 ex (LFO).

Notes. Collected beating Asteraceae. New record for the Tuscan Archipelago.

***Coeliodes ilicis*** (Bedel, 1885)

Chorotype. **MED**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 929, Elba); Porta (1932: 200, Elba), all quoted as *Coeliodes dryados* (Gmelin, 1790).

Material examined. **Elba Island:** Portoferraio, Colle Reciso, 9.V.2012, 1 ex (LFO); Portoferraio, Buraccio, 21.V.2013, 1 ex (LFO); Portoferraio, Monte Fabrello, 7.VI.2013, 1 ex (LFO); Rio, Le Conche, 16.X.2014, 1 ex (LFO); Porto Azzurro, Capo d'Arco, 100 m, 5.V.2014, 1 ex

(ECO); Campo nell'Elba, San Piero, 250 m, 10.VI.2012, 2 exx (LFO); Campo nell'Elba, Monte Maolo, 740 m, 22.VI.2014, 1 ex (LFO). **Giglio Island:** Giglio Castello, 2.V.2014, Colonnelli leg, 2 exx (LFO); Campese, Il Franco, 60 m, 1.V.2014, 9 exx (ECO); Campese, Il Franco, 60 m, 2.V.2014, 10 exx, Bellò, Chemello, Colonnelli, Meloni legg. (LFO); Campese, Il Franco, 150 m, 10.VI. 2019, Bellò, Chemello legg. 6 exx (LFO); Campese, Il Franco, 115 m, 10.VI. 2019, Bellò, Chemello legg, 1 ex (LFO); Acqua Selvaggia, 4.V.2016, 1 ex (LFO).

Notes. Notes. On *Quercus* spp. leaves, and occasionally sifting holm oak litter. New records for the Giglio Island.

***Coeliodes transversealbifasciatus*** (Goeze, 1777)

Chorotype. **WPA**

Material examined. **Elba Island:** Rio, Le Conche, 16.X.2014, 1 ex (LFO); Campo nell'Elba, San Piero, 250 m, 10.VI.2012, 2 exx (LFO); Campo nell'Elba, Monte Maolo, 650 m, 1.VI.2014, 1 ex (LFO); Marciana, Civillina Road, 25.IV.2014, 1 ex (LFO); Marciana, Uviale di Patresi, Path no. 177, 400 m, 24.V.2014, 1 ex (LFO). **Montecristo Island:** Collo dei Lecci, 30.IX.2016, 1 ex (LFO). Notes. Collected on *Quercus* spp. and occasionally sifting holm oak litter. New record for the Tuscan Archipelago.



Fig. 85a. *Cosmobaris scolopacea* (Germar, 1819), dorsal view. Length 3.60 mm.



Fig. 85b. *Cosmobaris scolopacea* (Germar, 1819), lateral view. Length 3.60 mm.

### Baridinae Schoenherr, 1836

Baridini Schoenherr, 1836

***Cosmobaris scolopacea*** (Germar, 1819)

(Figs. 85a, 85b)

Chorotype. **CAE**

Material examined. **Elba Island:** Portoferraio, Terme di San Giovanni, 09.VI.2014, 2 exx (LFO); ibidem, 25.VI.2015, 1 ex (LFO); 1.VII.2017, 1 ex (LFO); Portoferraio, Via Mentana, 19.IX.2017, 1 ex (LFO); Capoliveri, Pian di Mola, 28.V.2011, 1 ex (LFO); Campo nell'Elba, Monte Perone, San Piero, 13.VI.2012, 1 ex (LFO); Marciana, Monte Maolo, Sentiero delle Farfalle, 700 m, 6.VI.2017, 1 ex (LFO). **Giglio Island:** malaise trap, 7-23.VII.2003, F. Strumia leg. 1 ex (MSUC).

Notes. Collected on *Beta vulgaris* L. and *Chenopodium album* L. New record for the Tuscan Archipelago.

***Melaleucus spoliatus*** (Boheman, 1836)

Chorotype. **WME**

Material examined. **Elba Island:** Portoferraio, Terme di San Giovanni, 9.III.2015, 1 ex (LFO); 11.I.2016, 38 exx (LFO); Portoferraio, Albereto, 28.V.2016, 1 ex (LFO); Portoferraio, Via Mentana, 19.IX.2017, 10 exx (LFO); Porto Azzurro, Mola, wet area/beach, 6.VI.2014, 2 exx (LFO); Capoliveri, Pian di Mola, 2.VI.2011, 1 ex (LFO); Capoliveri, Gualdo, 8.VI.2014, 1 ex (LFO).

Notes. Collected on *Beta vulgaris* L. New record for the Tuscan Archipelago.

***Baris analis*** (Olivier, 1790)

(Figs. 86a, 86b, 88a, 88b)

Chorotype. **SEU**

Literature records. Holdhaus (1923: 112, Elba); Luigioni (1929: 942, Elba); Porta (1932: 227, Elba).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 6.XII.2014, 3 exx (LFO); 5.V.2015, 3 exx (LFO); Porto Azzurro, Mola marsh, 29.XI.2015, 1 ex (LFO).

Notes. Rare species collected searching in wet meadows in which grew *Pulicaria dysenterica* (L.) Bernh.



Fig. 86a. *Baris analis* (Olivier, 1790), dorsal view. Length 3.20 mm.

***Aulacobaris caerulescens*** (Scopoli, 1763)

Chorotype. **EUM**

Literature records. Holdhaus (1924: 113, Elba as *Baris caerulescens* var. *fallax* Desbrochers, 1892); Luigioni (1929: 943, Elba as *Baris caerulescens* var. *logesi* Ragusa, 1907); Porta (1932: 229, Elba as *Baris caerulescens*); Abbazzi et alii (2004: 69, Pianosa as *Aulacobaris caerulescens*). Material examined. **Elba Island:** Portoferraio, Volterraio, 200 m, 17.VI.2011, 1 ex (LFO), 5.V.2014, 1 ex (ECO); Portoferraio, Tre Acque, 2.V.2014, 1 ex (LFO); Portoferraio, Il Grigolo, 10.VI.2014, 1 ex (LFO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 2 exx (LFO); Rio, Volterraio, 325 m, 5.V.2014, Bellò, Chemello



Fig. 86b. *Baris analis* (Olivier, 1790), lateral view. Length 3.20 mm.

legg. 1 ex (LFO); Rio, Volterraio/Le Panche, 328 m, 9.V.2014, 2 exx (LFO); Rio, Monte Arco, 5.V.2014, 7 exx (LFO); Porto Azzurro, Mola beach and marsh, 10.V.2014, 1 ex (LFO); Capoliveri, Monte Calamita, Capanna di Gustavo, 167 m, 26.XI.2013, 1 ex (LFO); Capoliveri, Lacona beach, 28.V.2014, 1 ex (LFO); Marciana, Monte Maolo, Sentiero delle Farfalle, 700 m, 6.VI.2017, 1 ex (LFO). **Giglio Island:** Acqua Selvaggia, 4.V.2016, 1 ex (LFO).

Notes: Collected beating several Brassicaceae. New record for the Giglio Island.

*Aulacobaris cuprirostris* (Fabricius, 1787) (Figs. 87a, 87b)  
 Chorotype. **SEU**  
 Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 942, Elba); Porta (1932: 228, Elba), all quoted as *Baris cuprirostris*.  
 Material examined. **Elba Island:** Portoferraio,



Fig. 87b. *Aulacobaris cuprirostris* (Fabricius, 1787), lateral view. Length 3.10 mm.

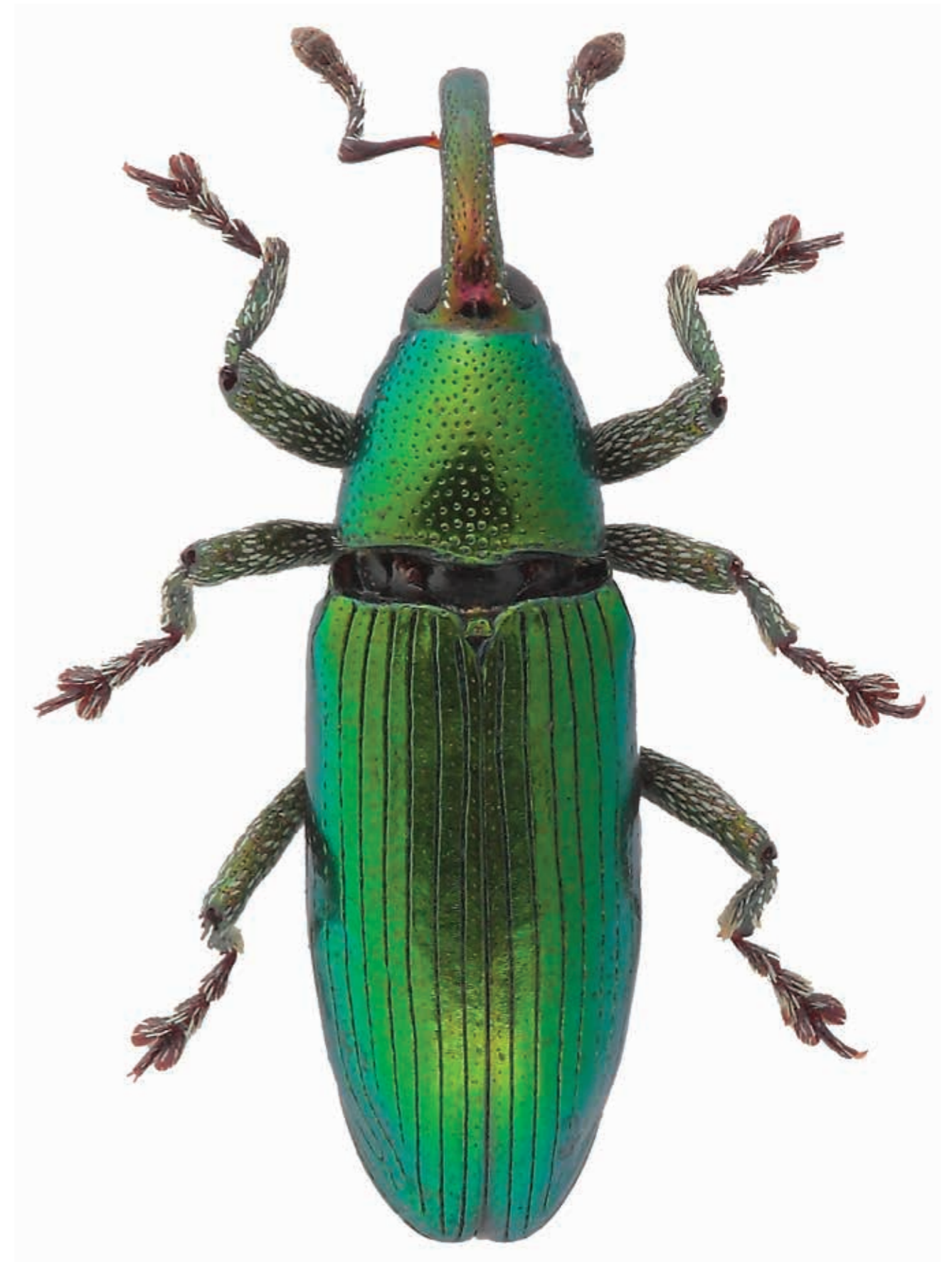


Fig. 87a. *Aulacobaris cuprirostris* (Fabricius, 1787), dorsal view. Length 3.10 mm.



Fig. 88a. *Baris analis* (Olivier, 1790) blackish, dorsal view. Length 3.20 mm.



Fig. 88b. *Baris analis* (Olivier, 1790) blackish, lateral view. Length 3.20 mm.

Volterraio, 5.V.2014, 1 ex (LFO), 2 exx (ECO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 1 ex (LFO); Rio, Monte Arco, 5.V.2014, 2 exx (LFO); Rio, Volterraio/Le Panche, 328 m, 9.V.2014, 6 exx (LFO); 16 exx (LFO); Capoliveri, Monte Calamita, 30.III.2014, Forbicioni, Mei legg, 1 ex (LFO).

Notes. Collected beating various Brassicaceae.

*Malvaevora timida* (Rossi, 1792)

Chorotype. **MED**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Capoliveri, Pian di Mola, 2.VI.2011, 1 ex (LFO); Campo nell'Elba, San Piero, 8.VI.2004, (SCU), 6 exx; **Giglio Island:** Acqua Selvaggia, 4.V.2016, 1 ex (LFO).

Notes. Collected beating Malvaceae. New record for the Elba Island and the Giglio Island.

*Melanobaris morio* (Boheman, 1844)

Chorotype. **MED**

Material examined. **Elba Island:** Campo nell'Elba, Monte Perone, 614 m, 11.VII.2014, 3 exx (LFO); Marciana, Monte Maolo, Sentiero delle Farfalle, 700 m, 6.VI.2017, 1 ex (LFO). **Pianosa Island:** village surroundings, 13.II.2014, 1 ex (LFO).

Notes. Collected beating *Reseda luteola* L. New record for the Tuscan Archipelago.

### Curculioninae Latreille, 1802

Anthonomini C. G. Thomson, 1859

*Anthonomus (Anthonomus) multifasciatus* Pic, 1926

Chorotype. **MED**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 946, Elba); Porta (1932: 237, Elba), all quoted as *Anthonomus ornatus* Reiche, 1861; Dieckmann (1968: 453, Elba).

Material examined. **Elba Island:** Portoferraio, Acquabona/Le Casine, 14.IV.2013, 4 exx (LFO), 2 exx (ECO); Rio, Volterraio W slope, 22.IV.2014, 5 exx (LFO); Capoliveri, Monte Calamita, 2.IV.2016, 6 exx (LFO).

Notes. Collected beating branches of almonds.

*Anthonomus (Anthonomus) pedicularius* (Linnaeus, 1758)

Chorotype. **PAL**

Material examined. **Elba Island:** Portoferraio, Santa Lucia, 15.IV.2013, 1 ex (LFO); 15.VI.2013, 2 exx (LFO); Portoferraio, Buraccio, 21.V.2013, 1 ex (LFO); Portoferraio, Colle Reciso, Schiumoli, 9.IV.2014, 1 ex (LFO).

Notes. Collected beating branches of *Crataegus* spp., *Pyrus* spp. and *Prunus* spp. New record for the Tuscan Archipelago.

*Anthonomus (Anthonomus) pyri* Gyllenhal, 1835

Chorotype. **SEU**

Material examined. **Elba Island:** Portoferraio, Buraccio, 6.V.2012, 2 exx (LFO); 21.V.2013, 1 ex (LFO); 8.V.2014, 3 exx (LFO); Portoferraio, Acquabona/Le Casine, 14.IV.2013, 1 ex (LFO).

Notes. Collected beating branches of *Pyrus* spp. New record for the Tuscan Archipelago.

*Anthonomus (Anthonomus) pomorum* (Linnaeus, 1758)

Chorotype. **OLA**

Literature records: Holdhaus (1924: 113, Elba); Luigioni (1929: 946, Elba); Porta (1932: 237, Elba).

Material examined. **Elba Island:** Portoferraio, Vecchio Papa, 5.V.2012, 4 exx (LFO); Portoferra-

io, Buraccio, 6.V.2012, 3 exx (LFO); 21.V.2013, 1 ex (LFO); 8.V.2014, 1 ex (LFO); Portoferraio, Colle Reciso, 9.V.2012, 2 exx (LFO); Portoferraio, Monte Orello, 30.IV.2013, 6 exx (LFO); Portoferraio, Monte Orzo, 50 m, 28.IV.2014, 3 exx (LFO); Portoferraio, Casaccia/Acquabona, 28.IV.2014, 1 ex (LFO); Capoliveri, Monte Calamita, 8.IV.2014, 1 ex (LFO); 2.IV.2016, 1 ex (LFO).

Notes. Collected beating branches of *Pyrus* spp.

*Anthonomus (Anthonomus) rubi* (Herbst, 1795)

Chorotype. **PAL**

Material examined. **Elba Island:** Portoferraio, Buraccio, 6.V.2013, 2 exx (LFO); 21.V.2013, 2 exx (LFO); 8.V.2014, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 31.V.2013, 3 exx (LFO); Capoliveri, Mola/Calanchiole, 6.VI.2013, 1 ex (LFO); 2.VII.2013, 1 ex (LFO); Campo nell'Elba, San Piero, 10.VI.2012, 1 ex (LFO); Marciana, San Lorenzo, 210 m, 4.V.2014, 2 exx, Bellò, Chemello leg. (LFO). **Giglio Island:** Mezzo Franco, 17/19.V.2012, 2 exx (LFO).

Notes. Collected beating several Rosaceae. New record for the Tuscan Archipelago.

*Anthonomus (Anthonomus) spilotus* Redtenbacher, 1849

Chorotype. **SEU**

Material examined. **Elba Island:** Portoferraio, Buraccio, 6.V.2012, 3 exx (LFO); 21.V.2013, 1 ex (LFO); 1.XI.2015, 1 ex (LFO); Portoferraio, Colle Reciso, 9.V.2012, 1 ex (LFO); Portoferraio, Santa Lucia, 15.VI.2013, 1 ex (LFO); Portoferraio, San Giovanni, 18.III.2016, 1 ex (LFO).

Notes. Collected beating branches of *Crataegus monogyna* Jacq. and *Pyrus* sp. New record for the Tuscan Archipelago.

*Anthonomus (Anthonomus) terreus* Gyllenhal, 1836

Chorotype. **CAE**

Literature records. Holdhaus (1924: 113, Elba as *Anthonomus rosarum* var. *inornatus* Daniel, Daniel, 1898); Porta (1932: 238, Elba), ambedue as *Anthonomus rosarum* var. *inornatus*); Luigioni (1929: 946, Elba as as *Anthonomus rubi* ab.

*inornatus*); Dieckmann (1968: 467, Elba).  
Material examined. None.  
Notes. Most probably indicated of Elba Island for confusion with the similar *A. rubi*.

Derelomini Lacordaire, 1865

***Derelomus chamaeropsis*** (Fabricius, 1793)  
(Fig 89a)

Chorotype. **WME**

Material examined. **Elba Island:** Portoferraio, Darsena Medicea, 4.V.2014, 14 exx (LFO); Porto Azzurro, Reale, 5.V.2014, 2 exx (LFO); Porto Azzurro, Terra Nera, 5.V.2014, 1 ex (ECO); Campo nell'Elba, in town, 26.IV.2015, 4 exx (LFO). **Giglio Island:** Giglio Castello, 380 m, 2.V.2014, Bellò, Chemello, Colonnelli, Meloni legg. 10 exx (LFO).

Notes: Collected by beating inflorescences of *Chamaerops humilis* L. New record for the Tuscan Archipelago.

***Derelomus piriformis*** (Hoffmann, 1938)

Chorotype. **MED**

Material examined. **Elba Island:** Campo nell'Elba, Fetovaia, 15.VI.1999, Abbazzi leg, 1 ex (CAB).

Notes. New record for the Tuscan Archipelago.

Curculionini Latreille, 1802

***Curculio (Curculio) elephas*** (Gyllenhal, 1836)  
(Fig 90a)

Chorotype. **SEU**

Material examined. **Elba Island:** Portoferraio, Acquabona, 10.X.2010, 1 ex (LFO); Capoliveri, Mola, 12.VII.2016, 1 ex (LFO); Rio, Strada della Falconaia, 22.X.2019, G. Meloni leg, 1 ex (LFO). **Montecristo Island:** Collo dei Lecci, 2.X.2016, 1 ex, N. Cappellari shot.

Notes. Notes. The Elban specimens were collected on oak branches and one of them was attracted by light at night. New record for the Tuscan Archipelago.



Fig. 89a. L. Forbicioni gathering *Derelomus chamaeropsis* (Fabricius, 1793) on Elba Island. Length 3.00 mm.



Fig. 90a. *Curculio (Curculio) elephas* (Gyllenhal, 1836) on Montecristo Island (photo courtesy of N. Cappellari).

***Curculio (Curculio) glandium*** Marsham, 1802  
(Fig 91a)

Chorotype. **PAL**

Material examined. **Elba Island:** Portoferraio, Colle Reciso, 17.V.2011, 1 ex (LFO); 9.V.2012, 4 exx (LFO); 9.VII.2012, 4 exx (LFO); Portoferraio, Acquabona, artificial lake, 20.V.2011, 1 ex (LFO); Portoferraio, Buraccio, 6.V.2012, 3 exx (LFO); 8.IX.2012, 3 exx (LFO); 10.IX.2012, 1 ex (LFO); 21.V.2013, 3 exx (LFO); Porto Azzurro, Capo d'Arco, 5.V.2014, 2 exx (ECO); Rio, Monte Arco, 5.V.2014, 5 exx (LFO); Campo nell'Elba, Bonalaccia, 28.V.2017, 1 ex (LFO); Capoliveri, Monte Calamita, Beacon, 9.V.2013, 1 ex (LFO); Marciana, Uvale di Patresi, 30.V.2017, 2 exx (LFO); Marciana, Colle D'Orano, 135 m, 19.V.2019, Bellò, Chemello legg. 5 exx (LFO). **Giglio Island:** Giglio Castello, 17/19.V.2012, 3 exx (LFO).

Notes. Collected beating branches of holm and cork oaks. New record for the Tuscan Archipelago.



Fig. 91a. *Curculio (Curculio) glandium* Marsham, 1802 on Elba Island. Length 5.00 mm.

**Curculio (Curculio) nucum** Linnaeus, 1758  
Chorotype. **EUM**

Material examined. **Elba Island:** Portoferraio, Colle Reciso, 80 m, 30.V.2011, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 18.V.2018, 1 ex (LFO); Campo nell'Elba, Monte Perone, Castagnone, 5.VIII.2012, 1 ex (LFO).

Notes. Collected beating branches of holm and cork oaks. New record for the Tuscan Archipelago.

**Curculio (Curculio) venosus venosus** (Gravenhorst, 1807)

Chorotype. **EUM**

Material examined. **Elba Island:** Portoferraio, Santa Lucia, 31.V.2016, 1 ex (LFO).

Notes. Collected beating branches of *Quercus* sp. New record for the Tuscan Archipelago.

**Archarius (Archarius) pyrrhoceras** (Marsham, 1802)

Chorotype. **EUM**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 945, Elba); Porta (1932: 234, Elba); Osella (1981: 365, Giannutri), all quoted as *Balanobius pyrrhoceras*.

Material examined. **Elba Island:** Portoferraio, Colle Reciso, 17.V.2011, 1 ex (LFO); 7.V.2012, 1 ex (LFO); Portoferraio, Vecchio Papa, 5.V.2012, 1 ex (LFO); Capoliveri, Pian di Mola, 9.VI.2011, 1 ex (LFO); Capoliveri, Norsi, 10.VI.2011, 1 ex (LFO); Capoliveri, Monte Calamita, 7.V.2012, 1 ex (LFO); Campo nell'Elba, San Piero, 250 m, 10.VI.2012, 1 ex (LFO); 6.V.2013, 1 ex (LFO). **Giglio Island:** Giglio Castello, 17/19.V.2012, 4 exx (LFO).

Notes. Collected beating branches of holm and cork oak. New record for the Giglio Island.

Tychiini C. G. Thomson, 1859

**Tychius (Tychius) aureolus** Kiesenwetter, 1852  
Chorotype. **PAL**

Material examined. **Elba Island:** Portoferraio, Buraccio, 1.I.2015, 1 ex (LFO).

Notes. Collected sifting in an uncultivated field. New record for the Tuscan Archipelago.

**Tychius (Tychius) argentatus** Chevrolat, 1859  
Chorotype. **MED**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 958, Elba); Porta (1932: 266, Elba); Magnano (1964: 132, Elba).

Material examined. **Elba Island:** Portoferraio, La Casaccia, 20.IV.2011, 2 exx (LFO); Portoferraio, Colle Reciso, Santa Lucia, 200 m, 6.I.2014, 2 exx (LFO); Portoferraio, Valdana, Bivio Norsi, 27.V.2015, 1 ex (LFO); Portoferraio, Acquabona, 11.IV.2016, 5 exx (LFO); Portoferraio, San Giovanni, 15.IV.2016, 1 ex (LFO); Porto Azzurro, Monte Castello, 320 m, 6.X.2017, 1 ex (LFO).

Notes. Collected sweeping in uncultivated meadow and garrigue, and sifting under *Lotus* spp.

**Tychius (Tychius) bicolor** C. Brisout, 1862

Chorotype. **TUM**

Material examined. **Elba Island:** Portoferraio, road to Enfola, Sansone, 25.IV.2012, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 8.V.2014, 5 exx (LFO); Portoferraio, Terme di San Giovanni, 9.VI.2014, 2 exx (LFO); Porto Azzurro, Mola beach and marsh, 10.V.2014, 5 exx (LFO); 6.VI.2014, 1 ex (LFO). **Capraia Island:** 13/V-19/VI.2001, R. Lisa leg. 1 ex (CAB).

Notes. Collected beating *Melilotus* spp. New record for the Tuscan Archipelago.

**Tychius (Tychius) cuprifer** (Panzer, 1799)

Chorotype. **TUE**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 959, Elba); Porta (1932: 274, Elba), gli ultimi due as *Miccotrogus cuprifer*.

Material examined. **Elba Island:** Portoferraio, Acquabona, 6.XII.2010, 1 ex (LFO); Portoferraio, San Giovanni, 7.I.2011, 6 exx (LFO); 21.VI.2013, 3 exx (LFO); 5.V.2015, 1 ex (LFO); 16.V.2015, 1 ex (LFO); 25.VI.2015, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 31.XII.2011, 2 exx (LFO); 18.V.2018, 2 exx (LFO); Portoferraio, Colle Reciso, 80 m, 30.V.2011, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 8.V.2014, 2 exx (LFO); 17.V.2015, 1 ex (LFO); 3.XI.2015, 1 ex (LFO); 5.VI.2017, 2 exx (LFO); Portoferraio, Volterraio/Cima del Monte, 15.VI.2013, 1 ex (LFO); Capoliveri, Pian di Mola, 2.VI.2011,

2 exx (LFO); 9.VI.2011, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 6.III.2011, 2 exx (LFO).

Notes. Common species collected sweeping in uncultivated meadows and garrigue. During the winter, it can be found under the barks of *Eucalyptus* sp.

**Tychius (Tychius) curtirostris** Desbrochers, 1873

Chorotype. **CEM**

Material examined. **Elba Island:** Rio, Volterraio/Le Panche, 328 m, 9.V.2014, 1 ex (LFO); Marciana, Colle d'Orano, 15.VI.1999, Abbazzi leg. 2 exx (CAB); Marciana, Poggio, Tenditoio path, 1.IV.2015, 1 ex (LFO); Marciana, near the cableway, 350 m, 7.X.2015, 1 ex (LFO). **Capraia Island:** La Lavanderia, 20.V.2016, 6 exx (LFO); Lo Stagnone, 22.V.2016, 1 ex (LFO).

Notes. Collected sweeping and beating several Fabaceae, mainly *Trifolium* spp. New record for the Tuscan Archipelago.

**Tychius (Tychius) flavus** Becker, 1864

Chorotype. **SIE**

Material examined. **Elba Island:** Portoferraio, Bucine/Condotta, 28.VI.2014, 18 exx (LFO); Portoferraio, Terme di San Giovanni, 29.VI.2018, 15 exx (LFO).

Notes. Exclusively collected beating *Medicago sativa* L. New record for the Tuscan Archipelago.

**Tychius (Tychius) junceus** (Reich, 1797)

Chorotype. **CAE**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 958, Elba); Porta (1932: 269, Elba), all quoted as *Tychius flavicollis* Stephens, 1831.

Material examined. None.

Notes. The presence of this species on Elba Island is very likely.

**Tychius (Tychius) longicollis** C. Brisout, 1862

Chorotype. **SEU**

Material examined. **Elba Island:** Portoferraio, Acquabona, 02.VI.2012, 2 exx (LFO); Portoferraio, Terme di San Giovanni, 21.VI.2013, 2 exx (LFO); Portoferraio, Le Prade, 10.VI.2014, 1 ex (LFO).

Notes. Collected sweeping and beating several Fabaceae, mainly *Trifolium* spp. New record for the Tuscan Archipelago.

**Tychius (Tychius) meliloti** Stephens, 1831

Chorotype. **CAM**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Schiopparello/Le Prade, 8.V.2014, 1 ex (LFO); Portoferraio, Colle Reciso, 18.V.2014, 1 ex (LFO); Capoliveri, Innamorata, 120 m, 4.V.2014, 1 ex (LFO); Capoliveri, Mola, wet area, 3.V.2011, 1 ex (LFO); Campo nell'Elba, San Piero, 29.IV.2012, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 30.V.2016, 17 exx (LFO).

**Pianosa Island:** village surroundings, 6.V.2014, 2 exx (ECO).

Notes. Collected beating *Melilotus* spp. New record for the Elba Island.

**Tychius (Tychius) picirostris** (Fabricius, 1787)

Chorotype. **PAL**

Material examined. **Elba Island:** Portoferraio, San Giovanni, 7.X.2010, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 16.V.2015, 1 ex (LFO); Portoferraio, Vecchio Papa, 2.VI.2012, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 31.V.2013, 1 ex (LFO); 17.V.2015, 6 exx (LFO); Portoferraio, Volterraio/Cima del Monte, 15.VI.2013, 1 ex (LFO); Portoferraio, Tre Acque, 2.V.2014, 1 ex (LFO); Capoliveri, Pian di Mola, 28.V.2011, 1 ex (LFO); Capoliveri, road to Naregno, 3.IV.2016, L., R. Forbicioni legg, 1 ex (LFO). **Capraia Island:** La Lavanderia, 20.V.2016, 3 exx (LFO); Lo Stagnone, 22.V.2016, 4 exx (LFO).

Notes. Collected sweeping and beating *Trifolium* spp. New record for the Tuscan Archipelago.

**Tychius (Tychius) polylineatus** (Germar, 1823)

Chorotype. **EUM**

Material examined. **Elba Island:** Rio, GTE path towards Cima del Monte, 470 m, 42°48'01,0"N 10°23'31,1"E, 17.X.2017, 1 ex (LFO).

Notes. Collected sifting at the margins of the garrigue. New record for the Tuscan Archipelago.

***Tychius (Tychius) pusillus*** Germar, 1842  
Chorotype. CEM

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 959, Elba); Porta (1932: 268, Elba).

Material examined. **Elba Island:** Portoferraio, Monte Orello N slope, 10.XII.2013, 1 ex (LFO); Portoferraio, Colle Reciso, Santa Lucia, 200 m, 6.I.2014, 1 ex (LFO); Portoferraio, Tre Acque, 2.V.2014, 2 exx (LFO); Portoferraio, Terme di San Giovanni, 9.VI.2014, 1 ex (LFO); Rio, Volterraio, 325 m, 5.V.2014, Bellò, Chemello legg, 3 exx (LFO); Rio, Volterraio/Le Panche, 328 m, 9.V.2014, 1 ex (LFO); Porto Azzurro, Monte Castello, 320 m, 6.X.2017, 2 exx (LFO); Capoliveri, Norsì, 15.VII.2013, 1 ex (LFO); Capoliveri, Gualdo, 8.VI.2014, 1 ex (LFO); Campo nell'Elba, Vallebuia, 1.IV.2012, 1 ex (LFO); Campo nell'Elba, San Piero above sports field, 23.III.2014, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 22.VI.2014, 1 ex (LFO); Marciana, Poggio, vicinale del Tenditoio, 31.X.2014, 2 exx (LFO). **Capraia Island:** La Lavanderia, 20.V.2016, 1 ex (LFO); Lo Stagnone, 22.V.2016, 3 exx (LFO). **Giglio Island:** Giglio Porto, 233 m, 1.V.2014, Bellò, Chemello, Colonnelli, Meloni legg, 1 ex (LFO); Campese, 5.V.2016, 1 ex (LFO).

Notes. Collected sweeping and beating *Trifolium* spp. New record for the Capraia Island and the Giglio Island.

***Tychius (Tychius) squamulatus*** Gyllenhal, 1836  
Chorotype. EUM

Material examined. **Elba Island:** Portoferraio, San Giovanni, 6.XII.2014, 1 ex (LFO); Porto Azzurro, Mola beach and marsh, 10.V.2014, 2 exx (LFO); 6.VI.2014, 7 exx (LFO); 23.VII.2014, 4 exx (LFO); Capoliveri, Pian di Mola, 28.V.2011, 2 exx (LFO); Campo nell'Elba, Bonalaccia, 6.VI.2016, 2 exx (LFO).

Notes. Collected sweeping and beating *Lotus* sp. New record for the Tuscan Archipelago.

***Tychius (Tychius) stephensi*** Schoenherr, 1836  
Chorotype. WPA

Literature records. Holdhaus (1924: 113, Elba);

Luigioni (1929: 959, Elba); Porta (1932: 268, Elba), all quoted as *Tychius tomentosus* (Herbst, 1795).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 10.V.2011, 2 exx (LFO); 21.VI.2013, 1 ex (LFO); 6.XII.2014, 1 exx (LFO); Portoferraio, Terme di San Giovanni, 16.V.2015, 1 ex (LFO); Portoferraio, Colle Reciso, 80 m, 30.V.2011, 1 ex (LFO); 17.VI.2013, 1 ex (LFO); Portoferraio, Le Prade, 10.VI.2014, 1 ex (LFO); Rio, Volterraio, Le Panche, 325 m, 6.X.2013, 1 ex (LFO); Rio, Bagnaia, Valle del Frasso, 17.V.2015, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 06.VI.2016, 3 exx (LFO).

Notes. Collected sweeping and beating *Trifolium* spp.

***Tychius (Tychius) thoracicus*** Boheman, 1843  
Chorotype. EEU

Literature records. Penecke (1922: 24, Elba); Holdhaus (1924: 113, Elba); Luigioni (1929: 959, Elba); Porta (1932: 269, Elba); Magnano (1962: 46, Elba); Colonnelli (1983: 145, Elba).  
Material examined. **Elba Island:** Portoferraio, Acquabona/ Casine, 14.IV.2013, 1 ex (LFO); Portoferraio, Colle Reciso, Santa Lucia, 200 m, 6.I.2014, 1 ex (LFO).

Notes. Collected sifting under Fabaceae.

***Tychius (Tychius) tibialis*** Boheman, 1843  
Chorotype. TEM

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 959, Elba); Porta (1932: 267, Elba).

Material examined. **Elba Island:** Portoferraio, Volterraio/Macinino, 12.V.2013, 4 exx (LFO); Portoferraio, Volterraio/Cima del Monte, 15.VI.2013, 1 ex (LFO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 1 ex (LFO); Rio, Volterraio/Le Panche, 9.V.2014, 2 exx (LFO); Campo nell'Elba, Nivera, 1 ex (LFO). Notes. Collected sweeping and beating *Trifolium* spp.

***Sibinia (Sibinia) arenariae*** Stephens, 1831  
(Fig 92a)

Chorotype. TUM

Literature records. Caldara (1985: 76, Giglio).

Material examined. **Elba Island:** Portoferraio, Punta della Rena, 10.VI.2013, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 29.VI.2018, 7

exx (LFO); Porto Azzurro, beach/Mola marsh, 16.VIII.2014, 7 exx (LFO); 21.VI.2018, 13 exx (LFO).

Notes. Handpicked under plants of *Spergularia* spp. growing close to the seashore. New record for the Elba Island.



Fig. 92a. *Sibinia (Sibinia) arenariae* Stephens, 1831 on Elba Island, frontal view. Length 2.20 mm.



***Sibinia (Sibinia) attalica*** Gyllenhal, 1836Chorotype. **SEU**

Literature records. Razzauti (1921: 119, Elba: Portoferraio); Holdhaus (1924: 113, Elba); Luigioni (1929: 960, Elba); Porta (1932: 276, Elba); Magnano (1964: 134, Elba); Caldara (1985: 60, Elba, Capraia, Giglio); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Monte Orello, 120 m, 23.IV.2011, 1 ex (LFO); Portoferraio, Monte Orello, 350 m, 2.V.2017, 1 ex (LFO); Portoferraio, Monte Orello, 280 m, 10.XII.2013, 1 ex (LFO); Portoferraio, Volterraio, 200 m, 5.V.2014, 2 exx (ECO); Rio, Monte Arco, 22.IV.2014, 1 ex (LFO); Capoliveri, Monte Calamita, 7.V.2012, 4 exx (LFO); Capoliveri, Monte Calamita, Capanna di Gustavo, 167 m, 26.XI.2013, 2 exx (LFO); Capoliveri, Monte Calamita, Ripalte, 27.XI.2013, 1 ex (LFO); Capoliveri, Monte Calamita, versante NE, 280 m, 31.X.2013, 2 exx (LFO); Campo nell'Elba, San Piero, 29.IV.2012, 1 ex (LFO); Capoliveri, Norsi, 15.XII.2013, 1 ex (LFO); Capoliveri, Monte Calamita, Poggio Fino, 8.1.2014, 1 ex (LFO); Campo nell'Elba, San Piero, 13.IV.2017, 8 exx (LFO); Marciana, Valle di Pomonte, 17.IV.2013, 2 exx (LFO). **Capraia Island:** village surroundings, 21.VI.2016, 1 ex (LFO). **Pianosa Island:** village surroundings, 6.V.2014, 1 ex (LFO), 2 exx (ECO).

Notes. Collected sweeping and beating *Silene* spp. New record for the Capraia Island.

***Sibinia (Sibinia) femoralis*** Germar, 1823Chorotype. **CEM**

Literature records. Caldara (1985: 55, Elba)

Material examined. **Elba Island:** Rio, Bagnaia, Valle del Frasso, 17.V.2015, 1 ex (LFO); Capoliveri, Gualdo, 8.VI.2014, 1 ex (LFO); Capoliveri, Buzzancone, 1 ex (LFO); Campo nell'Elba, San Piero above sports field, 23.III.2014, 1 ex (LFO); Campo nell'Elba, Torre San Giovanni, 370 m, 4.V.2014, 1 ex (ECO); Marciana, Colle Dorano, 135 m, 19.V.2019, Bellò, Chemello legg, 1 ex (LFO).

Notes. Collected sweeping and beating *Silene* spp.

***Sibinia (Sibinia) pellucens*** (Scopoli, 1772)Chorotype. **TEM**

Material examined. **Elba Island:** Porto Azzurro, Buraccio/Lo Stipito, 30.VI.2011, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 6.VI.2016, 1 ex (LFO); Campo nell'Elba, Torre San Giovanni, 370 m, 4.V.2014, 1 ex (ECO).

Notes. Collected sweeping and beating *Silene* spp. and once attracted by a yellow dish. New record for the Tuscan Archipelago.

***Sibinia (Sibinia) primita*** (Herbst, 1795)Chorotype. **EUM**

Literature records. Luigioni (1929: 960, Elba); Porta (1932: 276, Elba).

Material examined. None.

Notes. Species whose presence on Elba is very likely, and which should be searched on *Spergularia* spp. and *Daphne gnidium* L. (Abbazzi, Maggini 2009).

***Sibinia (Sibinia) subtriangulifera*** Desbrochers, 1888Chorotype. **MED**

Literature records. Razzauti (1921: 119, Gorgona); Caldara (1985: 78, Giglio, Gorgona, Capraia).

Material examined. None.

Notes. Rare species, not collected by us. Its presence is probable on some of the other islands of the Tuscan Archipelago, where it should be searched on *Cerastium* spp. and *Spergularia* spp.

***Sibinia (Sibinia) variata*** Gyllenhal, 1836Chorotype. **SEU**

Literature records. Holdhaus (1924: 113, Elba); Abbazzi, Maggini (2009: 179, Elba).

Material examined. **Elba Island:** Portoferraio, Terme di San Giovanni, 29.VI.2018, 3 exx (LFO); Capoliveri, Gualdo, 8.VI.2014, 1 ex (LFO); Capoliveri, Mola, 21.VI.2018, 17 exx (LFO).

Notes. Handpicked under plants of *Spergularia* spp.



Fig. 93a. *Acentrus histrio* (Schoenherr, 1837) from Pianosa Island, dorsal view. Length 4.30 mm.

Ellescini C. G. Thomson, 1859

*Dorytomus (Dorytomus) longimanus* (Forster, 1771)

Chorotype. **PAL**

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 948, Elba); Porta (1932: 242, Elba).

Material examined. **Elba Island:** Portoferraio, Buraccio, 07.I.2012, 2 exx (LFO); 6.V.2012, 1 ex (LFO); 21.V.2013, 4 exx (LFO); Portoferraio, Buraccio, Casa Galletti, 8.V.2014, 7 exx (LFO).

Notes. Collected beating the branches of *Salix* sp. and *Populus* sp. and under their barks.

*Dorytomus (Dorytomus) ictor* (Herbst, 1795)

Chorotype. **ASE**

Material examined. **Elba Island:** Capoliveri, Lido di Capoliveri, 19.XII.2010, 1 ex (LFO).

Notes. Overwintering under barks of *Eucalyptus* sp. New record for the Tuscan Archipelago.

*Dorytomus (Dorytomus) suratus* (Gyllenhal, 1835)

Chorotype. **EUR**

Material examined. **Elba Island:** Campo nell'Elba, Monte Perone, Piana del Canale, 23.IV.2017, 3 exx (LFO).

Notes. Collected beating the branches of *Salix cinerea* L. New record for the Tuscan Archipelago.



Fig. 93b. *Acentrus histrio* (Schoenherr, 1837) from Pianosa Island, lateral view. Length 4.30 mm.

Acentrusini Alonso-Zarazaga, 2005

*Acentrus histrio* (Schoenherr, 1837)

(Figs. 93a, 93b, 93c, 93d, 93e)

Chorotype. **SEU**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Capoliveri, Beach di Laconella 30.V.2019, 30 exx (LFO).



Fig. 93d. *Glaucium flavum* (Crantz), host plant of *Acentrus histrio* (Schoenherr, 1837). Length 4.30 mm.



Fig. 93c. *Acentrus histrio* (Schoenherr, 1837), variability. Length 4.00-4.50 mm

**Pianosa Island:** Punta Secca, 7.V.2014, 5 exx (LFO), 2 exx (ECO); 2.VI.2014, 22 exx (LFO); 1.VIII.2014, 4 exx (LFO); 1.VIII.2014, M. Mei leg. (RCA); Cala Giovanna, 7.V.2014, Bellò,

Chemello, Colonnelli, Meloni legg, 4 exx (LFO), Forbicioni leg, 1 ex (SCU).

Notes. Exclusively collected on *Glaucium flavum*. New record for the Elba Island.



Fig. 93e. E. Colonnelli and L. Forbicioni looking for *Acentrus histrio* (Schoenherr, 1837) under the basal leaves of *Glaucium flavum* Crantz on Pianosa Island.



Fig. 94a. *Orthochaetes insignis* Aubé, 1863, dorsal view. Length 2.40 mm.



Fig. 94b. *Orthochaetes insignis* Aubé, 1863, lateral view. Length 2.40 mm.

#### Styphlini Jekel, 1861

##### *Orthochaetes insignis* Aubé, 1863

(Figs. 94a, 94b)

Chorotype. **WME**

Literature records. Holdhaus (1923: 111, Elba: Marciana); Luigioni (1929: 952, Elba); Porta (1932: 251, Elba).

Material examined. **Elba Island:** Portoferraio, Monte Orello, 350 m, N42°46'43,3" E10°19'14,8", 2.V.2017, 2 exx (LFO); Rio, Volterraio, N42°48'30" E10°23'36", 5.V.2014, Bellò, Chemello legg. 1 ex (LFO); 9.V.2014, 1 ex (LFO); Capoliveri, Monte Calamita, 320 m., 24.IX.2016, 1 ex (LFO); Campo nell'Elba, Marina di Campo, 15.VI.1999, Abbazzi leg. 1 ex (CAB); **Giglio Island:** Giglio Porto, 233 m, N42°22.407' E10°53.994', 1.V.2014, Bellò, Chemello, Colonnelli, Meloni legg. 1 ex (LFO); Giglio Castello, Poggio della Chiusa, 400 m, N42°21.457' E10°54.313', 9.VI. 2019, Bellò, Chemello legg. 1 ex (LFO).

Notes. Collected by sifting litter at the edge of Mediterranean scrub and garrigue. New record for the Giglio Island.



Fig. 95a. *Smicronyx (Smicronyx) reichii* (Gyllenhal, 1836), dorsal view. Length 2.10 mm.

#### Smicronychini Seidlitz, 1891

##### *Pachytychius sparsutus* (Olivier, 1807)

Chorotype. **SEU**

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 951, Elba); Porta (1932: 249, Elba).

Material examined. **Elba Island:** Portoferraio, Acquabona/Monte Fabbrello, 15.V.2012, 2 exx (LFO); Portoferraio, Acquabona, 2.VI.2012, 6 exx (LFO); Portoferraio, San Martino, 3.VI.2012, 2 exx (LFO); Portoferraio, Monte Orello, 30.IV.2013, 1 ex (LFO); Portoferraio, Buraccio, 21.V.2013, 9 exx (LFO).

Notes. Collected beating branches of *Cytisus villosus* Pourr.

##### *Pachytychius haematocephalus* (Gyllenhal, 1836)

Chorotype. **EUR**

Literature records. Holdhaus (1923: 111, Elba); Luigioni (1929: 951, Elba); Porta (1932: 249, Elba).

Material examined. **Elba Island:** Campo nell'Elba, Bonalaccia, 6.VI.2016, 2 exx (LFO); Campo nell'Elba, San Piero, 13.IV.2017, 2 exx (LFO).  
Notes. Collected sweeping and beating Fabaceae.

##### *Smicronyx (Smicronyx) jungermanniae* (Reich, 1797)

Chorotype. **CEM**

Literature records. Porta (1932: 253, Elba).

Material examined. **Capraia Island:** Capraia Island, malaise trap, 15.VI-01.VII.2001, F. Strumia leg, 1 ex (MSUC).

Notes. New record for the Capraia Island.

##### *Smicronyx (Smicronyx) reichii* (Gyllenhal, 1836) (Fig 95a)

Chorotype. **EUM**

Material examined. **Elba Island:** Portoferraio, Volterraio, 15.VI.2011, 1 ex (LFO). **Pianosa Island:** Punta Secca, 2.VI.2014, 1 ex (LFO).

Notes. Collected beating *Centaureium* sp. New record for the Tuscan Archipelago.

*Smicronyx (Smicronyx) revelierei* Tournier, 1874 (Figs. 96a, 96b)

Chorotype. **END**

Literature records. Holdhaus (1923: 111, Elba). Material examined. **Elba Island:** Portoferraio, Volterraio, 15.VI.2013, 1 ex (LFO); Portoferraio, Buraccio, 1.XI.2015, 1 ex (LFO); Capoliveri, Pian di Mola, 2.VI.2011, 2 exx (LFO), 9.VI.2011, Forbicioni leg. 1 ex (ECO); Campo nell'Elba, road to Sant'Ilario, 1.VI.2014, 1 ex (LFO);

Notes. Rare species collected beating *Centaureum* sp.

*Smicronyx (Chalybodontus) cyaneus* (Gyllenhal, 1836)

Chorotype. **SEU**

Material examined. **Elba Island:** Portoferraio, Casaccia, 20.IV.2011, 1 ex (LFO); Rio, Volterraio, 9.V.2014, 1 ex (LFO); Capoliveri, Monte Calamita, Miniera del Vallone, 28.IX.2014, 1 ex (LFO).

Notes. Collected by sifting litter and sweeping at the edge of Mediterranean scrub and garrigue. New record for the Tuscan Archipelago.



Fig. 96a. *Smicronyx (Smicronyx) revelierei* Tournier, 1874, dorsal view. Length 1.90 mm.



Fig. 96b. *Smicronyx (Smicronyx) revelierei* Tournier, 1874, lateral view. Length 1.90 mm.

Rhamphini Rafinesque, 1815

*Rhamphus oxyacanthae* (Marsham, 1802)

Chorotype. **EUR**

Material examined. **Elba Island:** Portoferraio, Colle Reciso, windmill, 17.VI.2013, 1 ex (LFO). Notes. Collected beating *Crataegus monogyna* Jacq. New record for the Tuscan Archipelago.

*Orchestes (Orchestes) erythropus* (Germar, 1821) (Figs. 97a)

Chorotype. **SEU**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 962, Elba); Porta (1932: 279, Elba), gli ultimi due as *Rhynchaenus erythropus* var. *tricolor* (Kiesenwetter, 1852).

Material examined. **Elba Island:** Portoferraio, Acquabona, 2.VI.2012, 1 ex (LFO); 9.VI.2012, 1 ex (LFO); Portoferraio, Valle di Lazzaro, 9.IV.2015, 1 ex (LFO); Rio, Monte Arco, 6.VI.2014, 3 exx (LFO); Campo nell'Elba, San Piero, 250 m, 10.VI.2012, 1 ex (LFO).

Notes. Collected beating branches of holm and cork oak.

*Orchestes (Orchestes) quercus* (Linnaeus, 1758)

Chorotype. **EUM**

Material examined. **Elba Island:** Capoliveri, Monte Calamita, Beacon, 3.VI.2011, 1 ex (LFO); Campo nell'Elba, Torre di San Giovanni, 90 m, 11.VII.2014, 4 exx (LFO).

Notes. Collected beating branches of *Quercus* sp. New record for the Tuscan Archipelago.

*Pseudorchestes cinereus* (Fåhræus, 1843)

Chorotype. **SEU**

Literature records. Holdhaus (1924: 113, Elba as *Orchestes cinereus*); Luigioni (1929: 962, Elba); Porta (1932: 280), the last two as *Rhynchaenus cinereus*.

Material examined. None.

Notes. Elusive species living on *Centaurea* spp. Its presence on Elba Island is very likely.

*Pseudorchestes pratensis* (Germar, 1821)

Chorotype. **EUR**

Literature records. Holdhaus (1924: 113, Elba as *Orchestes pratensis*); Luigioni (1929: 962, Elba); Porta (1932: 279), gli ultimi due as *Rhynchaenus pratensis*.



Fig. 97a. *Orchestes (Orchestes) erythropus* (Germar, 1821), dorsal view. Length 2.50 mm.

Material examined. None.

Notes. Another elusive species living on *Centaurea* spp. whose presence on Elba Island is very likely.

***Pseudorchestes persimilis*** (Reitter, 1911)

Chorotype. SEU

Material examined. **Elba Island:** Portoferraio, San Giovanni, 28.III.2012, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 31.V.2014, 1 ex (LFO); 17.VII.2014, 1 ex (LFO); Capoliveri, Mola, 25.VI.2015, 1 ex (LFO).

Notes. Collected sweeping grasses in uncultivated meadows. New record for the Tuscan Archipelago.

Mecinini Gistel, 1848

***Mecinus barbarus*** Gyllenhal, 1838

(Figs. 98a, 98b)

Chorotype. SEU

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 964, Elba); Porta (1932: 282, Elba), all quoted as *Mecinus longiusculus* Boheman, 1845.

Material examined. **Elba Island:** Portoferraio, Volterraio/Macinino, 12.V.2013, 1 ex (LFO); Portoferraio, Capo Enfola, 11.V.2018, 14 exx (LFO); 26.IV.2015, 5 exx (RCA); Portoferraio, Viticcio, 13.V.1996, 1 ex, F. Angelini leg. (ECO); Rio, Monte Arco, 5.V.2014, 1 ex (LFO).

Notes. Collected beating *Linaria capraria* Morris, De Not.



Fig. 98a. *Mecinus barbarus* Gyllenhal, 1838, dorsal view. Length 3.10 mm.



Fig. 98b. *Mecinus barbarus* Gyllenhal, 1838, lateral view. Length 3.10 mm.

***Mecinus circulatus*** (Marsham, 1802)

Chorotype. EUM

Literature records Holdhaus (1924: 113, Elba); Luigioni (1929: 964, Elba); Porta (1932: 282, Elba).

Material examined. **Elba Island:** Portoferraio, San Giovanni, 18.I.2012, 2 exx (LFO); Portoferraio, Terme di San Giovanni, 18.IV.2014, 1 ex (LFO); Portoferraio, Bucine/Condotto, 28.VI.2014, 1 ex (LFO); Portoferraio, Monte Orello, 350m, 2.V.2017, 1 ex (LFO); Rio, Capo d'Arco, 130 m, 1 ex (LFO); Capoliveri, road to Naregno, 3.IV.2016, 2 exx (LFO); Capoliveri, Monte Calamita, 2.IV.2016, 1 ex (LFO).

Notes. Collected sweeping uncultivated fields and searching under barks of *Eucalyptus*.

***Mecinus ictericus*** (Gyllenhal, 1838)

Chorotype. SEU

Literature records: Holdhaus (1924: 113, Elba); Luigioni (1929: 965, Elba); Porta (1932: 283, Elba), all quoted as *Gymnetron ictericum*; Caldara, Fogato (2013, Elba).

Material examined. None.

Notes. Species not recollected by us, whose presence on Elba Island is very likely. It should be searched on *Plantago* spp. (Abbazzi, Maggini, 2009).

***Mecinus labilis*** (Herbst, 1795) (Figs. 99a, 99b)

Chorotype. EUR

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 965, Elba); Porta (1932: 283, Elba); Colonnelli (1983a: 160, Elba), all quoted as *Gymnetron labile*; Caldara, Fogato (2013, Elba).

Material examined. **Elba Island:** Portoferraio, Casaccia, 20.IV.2011, 1 ex (LFO); Portoferraio, Monte Orello, 30.IV.2012, 1 ex (LFO); Portoferraio, Volterraio/Macinino, 12.V.2013, 1 ex (LFO); Portoferraio, Buraccio, 11.X.2013, 1 ex (LFO); 25.IV.2015, 6 exx (RCA); Portoferraio, Colle Reciso, 18.V.2014, 9 exx (LFO); Rio, Volterraio/Le Panche, 328 m, 9.V.2014, 6 exx (LFO); Rio, Volterraio, 9.V.2014, 2 exx (LFO); Rio, Colle a Vita, 28.VI.2014, 2 exx (LFO); Porto Azzurro, Cala Reale, 5.V.2014, Bellò, Colonnelli, For-



Fig. 99a. *Mecinus labilis* (Herbst, 1795), dorsal view. Length 2.70 mm.

bicioni legg. 15 exx (LFO); Capoliveri, Mola, 19.II.2012, 1 ex (LFO); Capoliveri, Poggio del Marcuccio, 21.IV.2012, 1 ex (LFO); Capoliveri, Monte Calamita, 7.V.2012, 1 ex (LFO); Capoliveri, Norsì, 15.VII.2013, 1 ex (LFO); Capoliveri, Monte Calamita, Poggio Fino, 8.I.2014, 2 exx (LFO); Capoliveri, Monte Calamita, 24.IV.2015, 2 exx (LFO); Capoliveri, Monte Calamita, 320 m, near fire pit, 30.IX.2018, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 6.III.2011, 2 exx (LFO); Campo nell'Elba, Monte Maolo, 600 m, 14.VIII.2013, 1 ex (LFO); Campo nell'Elba, San Piero, 13.IV.2014, 1 ex (LFO); Campo nell'Elba, road to Sant'Ilario, 1.VI.2014, 1 ex (LFO); Campo nell'Elba, Monte Perone, 11.VII.2014, 2 exx (LFO). **Giglio Island:** Giglio Porto, 233 m, 1.V.2014, Bellò, Chemello, Colonnelli, Meloni legg. 1 ex (LFO).

Notes. Collected beating and sweeping *Plantago lanceolata* L. New record for Giglio Island.



Fig. 99b. *Mecinus labilis* (Herbst, 1795), lateral view. Length 2.70 mm.

***Mecinus pascuorum*** (Gyllenhal, 1813)

Chorotype. **PAL**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 965, Elba); Porta (1932: 284, Elba), all as *Gymnetron pascuorum* var. *bicolor* Gyllenhal, 1838; Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Portoferraio, Schiopparello/Le Prade, 31.V.2013, 1 ex (LFO); Portoferraio, Volterraio/Cima del Monte, 15.VI.2013, 3 exx (LFO); Portoferraio, Colle Reciso, 17.VI.2013, 1 ex (LFO); 18.V.2014, 1 ex (LFO); Portoferraio, Monte Orello, 280 m, 10.XII.2013, 1 ex (LFO); Portoferraio, Monte Orello, 370 m, 7.VII.2017, 1 ex (LFO); Portoferraio, Casa del Duca, 28.V.2014, 2 exx (LFO); Portoferraio, antiche saline, 9.VI.2014, 1 ex (LFO); Portoferraio, Albereto/Montebello, 7.IX.2014, 2 exx (LFO);

Rio, Volterraio, 9.V.2014, 1 ex (LFO); Capoliveri, Pian di Mola, 2.VI.2011, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 8.VI.2013, 1 ex (LFO); 31.V.2014, 1 ex (LFO); Capoliveri, Norsi, 15.VII.2013, 1 ex (LFO); Capoliveri, Lacona, Pian di Lari, 17.XII.2013, 1 ex (LFO); Capoliveri, Lacona, 28.V.2014, 5 exx (LFO); Capoliveri, Monte Calamita, 16.III.2014, 1 ex (LFO);

30.IX.2018, 1 ex (LFO); Capoliveri, Gualdo, 8.VI.2014, 4 exx (LFO); Campo nell'Elba, San Piero sports field, 8.VI.2004, (SCU), 1 ex; Campo nell'Elba, San Piero, 23.III.2014, 4 exx (LFO); Campo nell'Elba, Sant'Ilario, 90 m, 22.VI.2014, 1 ex (LFO); Campo nell'Elba, Torre San Giovanni, 11.VII.2014, 2 exx (LFO); Marciana, Colle d'Orano, 28.VIII.2015, 1 ex (LFO).

**Capraia Island:** belvedere near the village, 50 m, 21.V.2016, Bellò, Chemello, Forbicioni legg. 2 exx (LFO). **Gorgona Island:** olive groves above the village, 7-8.V.2015, 1 ex (LFO).

**Pianosa Island:** Grotta delle Vacche, 7.X.2013, 2 exx (LFO); Cala Giovanna, 12.X.2013, 1 ex (LFO); sports field, 14.II.2014, 10 exx (LFO); village surroundings, 6.V.2014, 1 ex (LFO); Grotta delle Vacche, 6.V.2014, 1 ex (LFO); Cala dei Turchi, 6.V.2014, Bellò, Chemello legg. 1 ex (LFO); Punta dei Bagni, 6.V.2014, Bellò, Chemello legg. 6 exx (LFO); towards Punta Secca, 7.V.2014, 3 exx (LFO).

Notes. Common species easy to find beating and sweeping *Plantago lanceolata* L. New record for Capraia and Gorgona islands.

***Mecinus pyraster*** (Herbst, 1795)

Chorotype. **TEM**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 964, Elba); Porta (1932: 282, Elba); Abbazzi *et alii* (2004: 69, Pianosa).

Material examined. **Elba Island:** Rio, Volterraio, 9.V.2014, 1 ex (LFO); Rio, Capo d'Arco, 25.IV.2012, 1 ex (LFO); Capoliveri, Mola, 19.IV.2012, 1 ex (LFO); Capoliveri, Vigne Vecchie, 7.V.2017, 1 ex (LFO); Campo nell'Elba, Bonalaccia, 6.III.2011, 2 exx (LFO); Campo nell'Elba, Monte Perone, 400 m, 19.VI.2011, 1 ex (LFO). **Pianosa Island:** village surroundings, 13.II.2014, 2 exx (LFO).

Notes. Collected beating and sweeping *Plantago* spp.

***Mecinus simus*** (Mulsant, Rey, 1858)

Chorotype. **MED**

Literature records. Abbazzi *et alii* (2004: 69, Pianosa); Abbazzi, Maggini (2009: 182, Pianosa); Abbazzi, Zinetti (2013: 98, Capraia); Caldara, Fogato (2013, Pianosa).

Material examined. **Pianosa Island:** malaise trap, 6.II-6.IV.2001, F. Strumia leg. 1 ex (MSUC); village surroundings, 6.V.2014, 2 exx (ECO).

***Cleopomiarus meridionalis*** (H. Brisout, 1862)

(Figs. 99c, 99d)

Chorotype. **WME**

Literature records: Holdhaus (1924: 113, Elba);

Luigioni (1929: 967, Elba); Porta (1932: 289, Elba), all as *Miarus meridionalis*.

Material examined. **Elba Island:** Portoferraio, La Casaccia, 20.IV.2011, 2 exx (LFO); Portoferraio, San Giovanni, 10.V.2011, 1 ex (LFO); Por-



Fig. 99c. *Cleopomiarus meridionalis* (Herbst, 1795), dorsal view. Length 2.50 mm.



Fig. 99d. *Cleopomiarus meridionalis* (Herbst, 1795), lateral view. Length 2.50 mm.

toferraio, road to Enfola/Sansone, 25.IV.2012, 1 ex (LFO); Portoferraio, Volterraio/Macinino, 12.V.2013, 4 exx (LFO); Portoferraio, Volterraio, 15.VI.2013, 2 exx (LFO); Portoferraio, Terme di San Giovanni, 21.VI.2013, 2 exx (LFO); Portoferraio, Monte Orzo, 50 m, 28.IV.2014, 2 exx (LFO); Portoferraio, Casaccia/Acquabona, 29.IV.2014, 1 ex (LFO); Portoferraio, Schiopparello/Le Prade, 8.V.2014, 1 ex (LFO); 17.V.2014, 2 exx (LFO); 5.IV.2017, 3 exx (LFO); Portoferraio, Acquabona, artificial lake, 12.V.2014, 3 exx (LFO); Portoferraio, Casa del Duca, 28.V.2014, 3 exx (LFO); Rio, Monte Arco, 05.V.2014, 1 ex (LFO); Capoliveri, Monte Calamita, Beacon, 3.VI.2011, 1 ex (LFO); Capoliveri, Pian di Mola, 9.VI.2011, 1 ex (LFO); 3.VI.2015, 2 exx (LFO); Capoliveri, Mola/Calanchiole, 31.V.2014, 4 exx (LFO); Campo nell'Elba, San Piero, 10.VI.2012, 2 exx (LFO); Campo nell'Elba, Bonalaccia, 6.VI.2016, 2 exx (LFO); Capoliveri, Vigne Vecchie, 6 exx (LFO).

Notes. Gathered mainly by sweeping fallow fields.

***Miarus campanulae*** Linnaeus, 1767

Chorotype. **EUR**

Literature records. Holdhaus (1924: 113, Elba); Porta (1932: 289, Elba).

Material examined. **Elba Island:** Capoliveri, Mola, 3.VI.2015, 1 ex (LFO).

Notes. Collected by sweeping fallow field.

***Miarus ursinus*** Abeille, 1906 (Fig. 99e)

Chorotype. **SEU**

Literature records. Magnano, Osella (1970: 611, Elba); Colonnelli (1983: 161, Elba).

Material examined. **Elba Island:** Portoferraio, Casaccia, 20.IV.2011, 1 ex (LFO); Portoferraio, Monte Orello, 120m, 23.IV.2011, 2 exx (LFO); Portoferraio, Volterraio/Macinino, 12.V.2013, 2 exx (LFO); Portoferraio, Colle Reciso, windmill, 17.VI.2013, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 31.V.2014, 1 ex (LFO); Campo nell'Elba, San Piero, Piana al Canale, 28.VI.2015, 1 ex (LFO).

Notes. Collected by sweeping uncultivated fields.



Fig. 99e. *Miarus ursinus* Abeille, 1906, dorsal view. Length 2.70 mm.

***Gymnetron veronicae*** (Germar, 1821)

Chorotype. **SIE**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 966, Elba); Porta (1932: 285, Elba), all as *Gymnetron beccabungae* (Linnaeus, 1760).

Notes. Species, which should be, searched on *Veronica* spp. and not collected buy us, although its presence on wet spots of Elba Island is likely.

***Gymnetron rostellum*** (Herbst, 1795)

Chorotype. **EUM**

Material examined. **Elba Island:** Portoferraio, Terme di San Giovanni, 9.VI.2014, 1 ex (LFO).

Notes. New record for the Tuscan Archipelago.

***Gymnetron tibiellum*** Desbrochers, 1900

Chorotype. **MED**

Material examined. **Elba Island:** Portoferraio, Terme di San Giovanni, 21.VI.2013, 1 ex (LFO); 9.VI.2014, 4 exx (LFO); Portoferraio, Schiopparello/Le Prade, 17.V.2015, 10 exx (LFO); Porto Azzurro, Mola, wet area 6.VI.2014, 3 exx

(LFO); Porto Azzurro, Sanctuary of Monserrato, 6.VI.2014, 3 exx (LFO); Campo nell'Elba, Stabiati ditch, 27.V.2018, 3 exx (LFO). **Giglio Island:** Campese, 5.V.2016, 8 exx (LFO). **Montecristo Island:** Cala Maestra, 7.VI.2015, 1 ex (LFO).

Notes. Collected beating *Veronica anagallis-aquatica*. New record for the Tuscan Archipelago.

***Gymnetron villosulum*** Gyllenhal, 1838

Chorotype. **EUR**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 965, Elba); Porta (1932: 285, Elba).

Material examined. **Elba Island:** Portoferraio, Schiopparello/Le Prade, 17.V.2015, 3 exx (LFO); Porto Azzurro, Mola, wet area/beach, 6.VI.2014, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 19.V.2015, 1 ex (LFO).

Notes. Collected beating *Veronica anagallis-aquatica* L.

***Rhinusa bipustulata*** (Rossi, 1792)

Chorotype. **CEU**

Material examined. **Elba Island:** Portoferraio, road to Volterraio, 5.V.2014, 1 ex (LFO); Rio, Bagnaia, Valle del Frasso, 17.V.2015, 3 exx (LFO); Capoliveri, Monte Calamita, Pontimento, 10.V.2014, 15 exx (LFO); Capoliveri, Capanna di Gustavo, 170 m, 4.V.2014, 2 exx (ECO).

Notes. Collected beating *Scrophularia canina* L. New record for the Tuscan Archipelago.

***Rhinusa depressa*** (Rottenberg, 1871)  
Chorotype. **WME** (Figs. 99f, 99g)  
Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 966, Elba); Porta (1932: 287,



Fig. 99f. *Rhinusa depressa* (Rottenberg, 1871), dorsal view. Length 3.50 mm.



Fig. 99g. *Rhinusa depressa* (Rottenberg, 1871), lateral view. Length 3.50 mm.

Elba), all as *Gymnetron vestitum* (Germar, 2821); Péricart (1973: 466, Elba as *Gymnetron depressum*).

Material examined. **Elba Island:** Rio, Monte Arco, 5.V.2014, 2 exx (LFO); 6.VI.2014, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 19.V.2015, 1 ex (LFO).

Notes. Collected beating *Antirrhinum latifolium* Mill.

***Rhinusa herbarum*** (H. Brisout, 1862)

Chorotype. **SEU**

Literature records. Caldara, Toševski (2019: 326, Giglio).

Material examined. **Pianosa Island:** Il Marchese, 11.V.1998, P. Abbazzi leg, 1 ex (CAB).

Notes. New record for the Pianosa Island.

***Rhinusa incana*** (Kirsch, 1881)

Chorotype. **MED**

Material examined. **Elba Island:** Portoferraio, Capo Enfola, N42°49'45,5" E 10°15'47,2, 11.V.2018, 1 ex (LFO).

Notes. Collected beating *Linaria capraria* Morris, De Not. New record for the Tuscan Archipelago.

***Rhinusa melas*** (Boheman, 183)

Chorotype. **EUR**

Literature records. Caldara, Toševski (2019: 326, Giglio).

Material examined. None.

Notes. Larvae develop inside the seed capsules of *Chaenorhinum minus* (L.) Lange, according to Caldara, Toševski (2019).

***Rhinusa moroderi*** (Reitter, 1906) (Fig. 100a)

Chorotype. **MED**

Material examined. **Pianosa Island:** village surroundings, 2.VI.2014, 4 exx (LFO).

Notes. Collected beating *Verbascum sinuatum* L. New record for the Tuscan Archipelago.

***Rhinusa neta*** (Germar, 1821)

Chorotype. **TUE**

Material examined. **Elba Island:** Portoferraio, Il Grigolo, near the lighthouse, 5.VI.2014, 2 exx (LFO); Portoferraio, Albereto, 28.V.2016, 1 ex (LFO); Campo nell'Elba, Monte Perone, San Francesco, 27.VII.2014, 1 ex (LFO); **Capraia Island:** Belvedere, 21.VI.2016, 2 exx (LFO).

Notes. Collected sweeping *Linaria* sp. and *Kickxia* sp. New record for the Tuscan Archipelago.

***Rhinusa tetra*** (Fabricius, 1792)

Chorotype. **OLA**

Literature records. Holdhaus (1924: 113, Elba); Porta (1932: 286, Elba) both as *Gymnetron amictum* (Germar, 1821) and *Gymnetron tetrum* var. *subrotundatum* (Reitter, 1907); Abbazzi *et alii* (2004: 69, Pianosa).



Fig. 100a. Males and females specimens of *Rhinusa moroderi* (Reitter, 1906), dorsal view. Length 3.00-4.00 mm.

Material examined. **Elba Island:** Portoferraio, Volterraio, 220 m, 15.VI.2011, 1 ex (LFO); 15.VI.2013, 1 ex (LFO); Portoferraio, Punta della Rena, 10.VI.2013, 4 exx, (LFO); Portoferraio, Terme di San Giovanni, 21.VI.2013, 1 ex (LFO); Portoferraio, Il Grigolo under the lighthouse, 5.VI.2014, 1 ex (LFO); Portoferraio, Antiche Saline, 9.VI.2014, 5 exx (LFO); Portoferraio, Colle Santa Lucia, 31.VII.2014, 1 ex (LFO); Portoferraio, Monte Orello, 360 m, 4.VI.2017, 3 exx (LFO); Rio, Monte Arco, 6.VI.2014, 2 exx (LFO); Rio, Le Panche/Volterraio, 330 m, 28.VI.2014, 1 ex (LFO); Porto Azzurro, Buraio/Monte Castello, 300/350 m, 11.VI.2014, 1 ex (LFO); Capoliveri, Pian di Mola, sfalcio,

9.VI.2011, 3 exx (LFO); Capoliveri, Lacona beach, 28.V.2014, 1 ex (LFO); Campo nell'Elba, strada Sant'Ilario/San Piero, 4.VII.2013, 1 ex (LFO); Campo nell'Elba, Monte Perone, Castagnone, 14.VII.2013, 4 exx (LFO); Campo nell'Elba, Monte Perone, 330 m, 11.VII.2014, 8 exx (LFO); Campo nell'Elba, Monte Perone, 614 m, 11.VI.2014, 9 exx (LFO); Campo nell'Elba, Sant'Ilario, 90 m, 14 exx (LFO); Campo nell'Elba, Torre S.Giovanni, 90 m, 11.VII.2014, 1 ex (LFO); Marciana, Pedalta ditch, 350 m, 6.VI.2011, 4 exx (SRO). **Pianosa Island:** Cala dell'Alga, 15.VI.2016, 3 exx (LFO).

Notes. Collected beating several species of *Verbascum*.



Fig. 100c. Habitats of *Cionus thapsus* (Fabricius, 1792) on Elba Island.





Fig. 100b. *Cionus thapsus* (Fabricius, 1792), dorsal view. Length 4.00 mm.

Cionini Schoenherr, 1825

*Cionus hortulanus* (Geoffroy in Fourcroy, 1785)

Chorotype. **CEM**

Literature records. Razzauti (1921: 119, Elba: Portoferraio); Holdhaus (1924: 114, Elba: Portoferraio); Luigioni (1929: 968, Elba); Porta (1932: 291, Elba).

Material examined. **Elba Island:** Portoferraio, Volterraio, 220 m, 15.VI.2011, 1 ex (LFO).

Notes. Collected by sweeping.

*Cionus thapsus* (Fabricius, 1792)

(Figs. 100b, 100c)

Chorotype. **TEM**

Material examined. **Elba Island:** Portoferraio, Volterraio, 220 m, sfalcio, 15.VI.2011, 1 ex (LFO); Rio, Le Panche/Volterraio, 330 m, 28.VI.2014, 1 ex (LFO); Portoferraio, San Martino, 3.VIII.2014, M. Mei leg. 1 ex (LFO); Capoliveri, Norsì, 50 m, 10.VI.2011, 1 ex (LFO); Capoliveri, Mola/Foce, 28.VI.2011, 1 ex (LFO); Campo nell'Elba, Monte Perone, San Piero, 13.VI.2012, 1 ex (LFO); Campo nell'Elba, Sant'Ilario, 22.VI.2014, 3 exx (LFO); Campo nell'Elba, Torre di San Giovanni, 90 m, 11.VII.2014, 5 exx (LFO).

Notes. Collected by sweeping. New record for the Tuscan Archipelago.

*Cionellus gibbifrons* (Kiesenwetter, 1851)

Chorotype. **MED**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 969, Elba), both as *Cionus gibbifrons*; Porta (1932: 293, Elba).

Material examined. **Elba Island:** Portoferraio, Volterraio, 6.V.2012, 1 ex (LFO).

Notes. Species associated with Oleaceae of the genus *Phyllirea* whose species are widespread and common in the Mediterranean, on which the weevil is only locally common.

*Stereonychus fraxini* (De Geer, 1775)

Chorotype. **EUM**

Literature records. Holdhaus (1924: 113, Elba); Luigioni (1929: 969, Elba), both as *Cionus fraxini*; Porta (1932: 294, Elba).

Material examined. **Elba Island:** Portoferraio, Road to Enfola, 10.VI.2013, 1 ex (LFO); Marciana, Colle d'Orano, 15.VI.1999, Abbazzi leg. 1 ex (CAB).

Notes. Quite uncommon species in Italy, living on *Fraxinus*.



Fig. 101a. *Bagous (Macropelmus) rufimanus* Péricart, 1989, dorsal view. Length 2.50 mm.

**Bagoinae C. G. Thomson, 1859**

Bagoini C. G. Thomson, 1859

*Bagous (Macropelmus) rufimanus* Péricart, 1989 (Figs. 101a, 101b, 101c)

Chorotype. SEU

Literature records. Abbazzi, Sforzi (2001: 285, Capraia).

Material examined. **Capraia Island:** Lo Stagnone, 325 m, N43°02.25' E9°48.34', 26.V.2014, Bellò, Chemello legg, 36 exx (LFO), 2 exx (ECO); Lo Stagnone and surroundings, 22.V.2016, Bellò, Chemello legg. 1 ex (LFO), 2 exx (SCU).

Notes. Gathered sifting debris along the shores of "Lo Stagnone" lake.



Fig. 101b. Habitats of *Bagous (Macropelmus) rufimanus* Péricart, 1989 on Capraia Island, Lo Stagnone.



Fig. 101c. *Bagous (Macropelmus) rufimanus* Péricart, 1989: Capraia Island, shores of Lo Stagnone small lake.



Fig. 102a. *Rhynchophorus ferrugineus* (Olivier, 1790) on Elba Island, dorsal view. Length 42.00 mm.

**Eirrhiniinae Schoenherr, 1825**  
Eirrhinini Schoenherr, 1825

*Thryogenes festucae* (Herbst, 1795)  
Chorotype. **SIE**  
Literature records: Binaghi (1973: 10, Elba: Portoferraio and Marina di Campo).  
Material examined. None.  
Notes. Rare species to be searched in Phragmitetum.

**DRYOPHTORIDAE Schoenherr, 1825**

**Rhynchophorinae Schoenherr, 1833**  
Rhynchophorini Schoenherr, 1833

*Rhynchophorus ferrugineus* (Olivier, 1790)  
(Figs. 102a, 102b)  
Chorotype. **COS**  
Material examined. **Elba Island:** Portoferraio, Val di Denari, 18.VII.2013, T. Alberti leg. 1 ex (LFO); Portoferraio, via XX Settembre, 31.X.2013, D. Leonardi leg. 4 exx (LFO).  
Notes. Invasive Asian species damaging palm trees. New record for the Tuscan Archipelago.



Fig. 102b. *Rhynchophorus ferrugineus* (Olivier, 1790) on Elba Island, variability. Length 40.00-50.00 mm.

Litosomini Lacordaire, 1865

*Sitophilus oryzae* (Linnaeus, 1763)  
Chorotype. **COS**  
Literature records. Fanfani, Groppali (1979: 26, Montecristo).  
Material examined. **Elba Island:** Capoliveri, Gualdo, 5.IV.2011, 1 ex (LFO); Portoferraio, downtown, 1.IX.2014, (LFO), 1 ex.  
Notes. Cosmopolite pest species. New record for Elba Island.

*Sitophilus granarius* (Linnaeus, 1758)  
Chorotype. **COS**  
Literature records. Razzauti (1921: 119, Elba Island: Portoferraio); Holdhaus (1924: 113, Elba Island: Portoferraio); Luigioni (1929: 944, Elba); Porta (1932: 233), all as *Calandra granaria*.  
Material examined. **Elba Island:** Portoferraio, Acquabona, 15.I.2011, 1 ex (LFO).  
Notes. Another cosmopolite pest species.

Sphenophorini Lacordaire, 1865

*Sphenophorus striatopunctatus* (Goeze, 1777)  
Chorotype. **EUM**  
Material examined. **Elba Island:** Portoferraio, San Giovanni, 28.VI.2019, 1 ex (LFO); **Pianosa**

**Island:** 20.V.2014, A. Ambrogio leg, 1 ex (LFO).  
Notes. New record for the Tuscan Archipelago.

*Sphenophorus parumpunctatus* (Gyllenhal, 1838)  
Chorotype. **EUM**  
Material examined. **Elba Island:** Portoferraio, Albereto, 8.VII.2012, C. Monte leg, 1 ex (LFO); **Giannutri Island:** Giannutri, 28.IV.2018, Bellò, Chemello legg, 1 ex (ECO).  
Notes. New record for the Tuscan Archipelago.

*Sphenophorus abbreviatus* (Fabricius, 1787)  
Chorotype. **WPA**  
Literature records: Razzauti (1921: 119, Elba: Marciana); Holdhaus (1924: 113, Elba: Marciana); Luigioni (1929: 944, Elba); Porta (1932: 232, Elba).  
Material examined. None.  
Notes. The presence in the Tuscan Archipelago of this uncommon species is probable.

*Scyphophorus acupunctatus* Gyllenhal, 1838  
(Figs. 103a, 103b, 103c, 103d)  
Chorotype. **OLA**  
Material examined. **Giannutri Island:** Vigna Vecchia above Cala Maestra, 28.IV.2018, 20 exx (LFO, CBE).



Fig. 103a. *Scyphophorus acupunctatus* Gyllenhal, 1838 attacking *Agave* sp. on Giannutri Island! Length 15.00-20.00 mm.



Fig. 103b. *Scyphophorus acupunctatus* Gyllenhal, 1838 on Giannutri Island, variability. Length 15.00-20.00 mm



Fig. 103d. C. Bellò, M. S. Chemello looking the results of the attack of *Scyphophorus acupunctatus* Gyllenhal, 1838 on Giannutri Island!



Fig. 103c. *Scyphophorus acupunctatus* Gyllenhal, 1838, Giannutri Island habitats.

Notes. Invasive American species attacking ornamental *Agave*. New record for the Tuscan Archipelago.

**SCOLYTIDAE Latreille, 1804**  
**Scolytinae Latreille, 1804**

Scolytini Latreille, 1804

*Scolytus rugulosus* (P. W. J. Müller, 1818)

Chorotype. **COS**

Literature records. Zocchi (1962: 153, Capraia); Faccoli, Cecchi (2003: 134, Gorgona and Capraia).

Material examined. **Elba Island:** Rio, Colle a Vita, 67 m, 28.VI.2014, 2 exx (LFO); Capoliveri, Mola/Calanchiole, 6.VI.2013, 2 exx (LFO).

Notes. Collected under *Ulmus* barks. New record for the Elba.

**Cryphalinae Lindemann, 1876**

Cryphalini Lindemann, 1876

*Hypothenemus leprieurii* (Perris, 1866)

Chorotype. **MED**

Literature records. Faccoli, Cecchi (2003: 134, Pianosa).

Material examined. None.

Notes. Species associated to *Ficus carica* L. (Pfeffer, 1995).

**Crypturginae Le Conte, 1876**

Crypturgini Le Conte, 1876

*Crypturgus mediterraneus* Eichhoff, 1869

Chorotype. **EUM**

Literature records. Zocchi (1959: 104, Gorgona); Zocchi (1962: 156, Capraia); Faccoli, Cecchi (2003: 134, Gorgona e Capraia).

Material examined. **Elba Island:** Capoliveri, Lacona, 12.XII.2010, 1 ex (LFO); Marciana, Monte Perone, Sentiero delle Farfalle, 600 m, 25.IV.2014, 2 exx (LFO); Marciana, Campo all'Aia, 56 m, 22.VI.2014, 1 ex (LFO).

Notes. Under *Pinus* barks. New record for the Elba.

*Crypturgus pusillus* (Gyllenhal, 1813)

Chorotype. **OLA**

Material examined. **Elba Island:** Marciana, Monte Perone, Sentiero delle Farfalle, 600 m, 25.IV.2014, 1 ex (LFO); Campo nell'Elba, San Piero, Piana al Canale, 13.III.2016, 14 exx (LFO).

Notes. New record for the Tuscan Archipelago.

**Ipinae Bedel, 1888**

Dryocoetini Lindemann, 1877

*Coccotrypes dactyliperda* (Fabricius, 1801)

(Figs. 104a, 104b, 104c, 104d)

Chorotype. **COS**

Material examined. **Elba Island:** Portoferraio near Stazione dei Carabinieri, 3.XI.2014, 12 exx (LFO); 8.I.2014, 18 exx (LFO).

Notes. Inside dates of *Phoenix canariensis*. New record for the Tuscan Archipelago.



Fig. 104a. *Coccotrypes dactyliperda* (Fabricius, 1801), dorsal view. Length 1.80 mm.



Fig. 104c. Brochette of *Coccotrypes dactyliperda* (Fabricius, 1801), lateral view. Length 1.50-2.00 mm.



Fig. 104b. *Coccotrypes dactyliperda* (Fabricius, 1801), lateral view. Length 1.80 mm.

***Dactylotrypes longicollis*** (Wollaston, 1864)

Chorotype. **NPA**

Material examined. **Elba Island:** Portoferraio near Stazione dei Carabinieri, 3.XI.2014, 1 ex (LFO); 8.I.2014, 2 exx (LFO), 2 exx (ECO).

Notes. Inside dates of *Phoenix canariensis*. New record for the Tuscan Archipelago.

***Taphrorychus bicolor*** (Herbst, 1793)

Chorotype. **PAL**

Material examined. **Elba Island:** Portoferraio, Acquabona, 6.VII.2012, 1 ex (LFO); Capoliveri, Mola/Calanchiole, 2.VII.2013, 1 ex (LFO).

Notes. New record for the Tuscan Archipelago.

***Xylocleptes bispinus*** (Duftshmid, 1825)

Chorotype. **EUM**

Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 1000, Elba); Porta (1932: 364, Elba); Faccoli, Cecchi (2003: 134, Elba).

Material examined. **Elba Island:** Portoferraio, Colle Reciso, windmill, 17.VI.2013, 1 ex (LFO); Portoferraio, Terme di San Giovanni, 7.VII.2013, 1 ex (LFO); Campo nell'Elba, Monte Perone, 600 m, 7.V.2013, 3 exx (LFO); Campo nell'Elba, Monte Perone, Castagnone, 30.VII.2013, 1 ex (LFO); Campo nell'Elba, Monte Perone, start Sentiero delle Farfalle, 600 m, 25.IV.2014, 2 exx (LFO); 1 ex (ECO).



Fig. 104e. *Coccotrypes dactyliperda* (Fabricius, 1801), inside dates of *Phoenix canariensis* L. on Elba Island. Length 1.50-2.00 mm.

Notes. Species associated to *Clematis vitalba* L. (Pfeffer, 1995).

***Dryocoetes minor*** Eggers, 1908

Chorotype. **MED**

Literature records. Holdhaus (1924: 115, Elba); Porta, 1932: 359, both as *Dryocoetes sardus* Strohmeier, 1912); Luigioni (1929: 998, Elba); Faccoli, Cecchi (2003: 134, Elba as *Dryocoetes villosus minor*).

Material examined. **Elba Island:** Portoferraio, Volterraio, 25.IV.2013, 1 ex (LFO); Portoferraio, Colle Reciso, windmill, 17.VI.2013, 1 ex (LFO); Campo nell'Elba, San Piero, 10.VI.2012, 1 ex (LFO); Campo nell'Elba, Monte Perone, 600 m, 7.V.2013, 4 exx (LFO); Campo nell'Elba, Monte Perone, Sentiero delle Farfalle, 25.II.2014, 2 exx (LFO); Campo nell'Elba, Monte Perone, Castagnone, 19.VI.2013, 1 ex (LFO); 30.VII.2013, 1 ex (LFO); 7.IX.2013, 2 exx (LFO); Marciana, Monte Capanne, near cableway, 500 m, 7.VII.2012, 1 ex (LFO).

Notes. Species collected from Fagaceae of the genera *Quercus* and *Castanea*.



Fig. 104d. *Coccotrypes dactyliperda* (Fabricius, 1801) while attacking dates of *Phoenix canariensis* L. on Elba Island. Length 1.50-2.00 mm.

Ipini Bedel, 1888

***Pityogenes calcaratus*** (Eichhoff, 1878)

Chorotype. **MED**

Literature records. Zocchi (1962: 155, Capraia); Faccoli, Cecchi (2003: 134, Capraia and Pianosa).

Material examined. None.

Notes. Species associated to *Pinus* (Pfeffer, 1995).

***Orthotomicus erosus*** (Wollaston, 1857)

Chorotype. **COS**

Literature records. Razzauti (1921: 119, Portoferraio); Holdhaus (1924: 115, Portoferraio); Luigioni (1929: 1002); Porta (1932: 369), all as *Ips erosus*; Zocchi (1959: 106, Gorgona); Zocchi (1962: 157, Capraia); Faccoli, Cecchi (2003: 134, Elba, Gorgona, Capraia and Montecristo).

Material examined. **Elba Island:** Capoliveri, Lacona, 12.XII.2010, 1 ex (LFO); Portoferraio, Acquabona, 30.XII.2012, 1 ex (LFO); Campo nell'Elba, Monte Perone, Sentiero delle Farfalle, 600 m, 25.IV.2014, 1 ex (LFO); Marciana, Campo all'Aia, 56 m, 4 exx (LFO).

Notes. Under *Pinus* barks.

**Hylesininae Erichson, 1836**

Hylastini LeConte, 1876

***Hylastes linearis*** Erichson, 1836

Chorotype. **COS**

Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 994, Elba); Porta (1932: 351, Elba); Faccoli, Cecchi (2003: 134, Elba e Pianosa).

Material examined. None.

Notes. Another species associated to *Pinus* (Pfeffer, 1995).

Hylesinini Erichson, 1836

***Hylesinus varius*** (Fabricius, 1775)

Chorotype. **PAL**

Material examined. **Elba Island:** Marciana, Colle Dorano, 135 m, N42°47'01" E10°06'43", 19.V.2019, Bellò, Chemello legg. 1 ex (ERU).

Notes. Beating vegetation. New record for the Tuscan Archipelago.

***Kissophagus vicinus*** (Comolli, 1837)

Chorotype. **MED**

Material examined. **Elba Island:** Portoferraio, Acquabona, Monte Fabrello, 7.IX.2012, 1 ex (LFO); Portoferraio, Acquabona, Sughereta, 8.IX.2012, 3 exx (LFO); Portoferraio, Volterraio, 15.VI.2013, 1 ex (LFO); Marciana, Monte Capanne, cableway, 12.V.2012, 1 ex (LFO); Marciana, Strada Civillina, 25.IV.2014, 1 ex (LFO).

Notes. New record for the Tuscan Archipelago.

Hylurgini Gistel, 1848

***Hylurgus ligniperda*** (Fabricius, 1787)

Chorotype. **COS**

Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 994, Elba); Porta (1932: 350, Elba); Faccoli, Cecchi (2003: 134, Elba).

Material examined. **Elba Island:** Campo nell'Elba, Monte Perone, 500/600 m, 19.III.2011, 1 ex (LFO).

Notes. Species associated with and injurious to *Pinus* (Pfeffer, 1995).

***Tomicus destruens*** (Wollaston, 1865) (Fig 105a)

Chorotype. **EUM**

Literature records. Razzauti (1921: 119, Elba: Portoferraio); Holdhaus (1924: 115, Elba: Portoferraio), both as *Myelophilus piniperda*; Luigioni (1929: 998, Elba); Porta (1932: 350, Elba), both as *Blastophagus piniperda*; Faccoli, Cecchi (2003: 134, Elba, Pianosa and Montecristo).

Material examined. **Elba Island:** Portoferraio, Acquabona, Monte Fabrello, 15.V.2012, 1 ex (LFO); Campo nell'Elba, San Piero, Piana al Canale, 19.III.2016, 1 ex (LFO).

Notes. Species injurious to *Pinus* (Pfeffer, 1995).

Hypoborini Nüsslin, 1911

***Hypoborus ficus*** Erichson, 1836

Chorotype. **WPA**

Literature records. Holdhaus (1924: 115, Elba); Luigioni (1929: 995, Elba); Porta (1932: 354,

Elba); Zocchi (1959: 105, Gorgona); Zocchi (1962: 155, Capraia); Faccoli, Cecchi (2003: 134, Elba, Gorgona, Capraia e Pianosa).

Material examined. **Elba Island:** Capoliveri, Norsi, 15.VII.2013, 1 ex (LFO).

Notes. Species associated with *Ficus* (Pfeffer, 1995).

Phloeosinini Nüsslin, 1912

***Phloeosinus aubei*** (Perris, 1855)

Chorotype. **PAL**

Literature records. Faccoli, Cecchi (2003: 134, Montecristo).

Material examined. None.

Notes. Species associated to Cupressaceae (Pfeffer, 1995).

***Phloeosinus thujae*** (Perris, 1855)

Chorotype. **EUM**

Literature records. Zocchi (1959: 104, Gorgona); Faccoli, Cecchi, 2003: 134 (Gorgona).

Material examined. None.

Notes. Species associated to Cupressaceae (Pfeffer, 1995).

Phloeotribini Chapuis, 1869

***Phloeotribus cristatus*** (Fauvel, 1889)

Chorotype. **MED**

Material examined. **Elba Island:** Portoferraio, Acquabona, 2.VI.2012, 3 exx (LFO); Campo nell'Elba, road to Sant'Ilario, 5.VIII.2012, 1 ex (LFO); Rio, Volterraio/Le Panche, 325 m, 6.X.2013, Forbicioni, Bellò legg. 1 ex (LFO); Capoliveri, Innamorata, 120 m, 4.V.2014, 1 ex (LFO).

Notes. New record for the Tuscan Archipelago.

***Phloeotribus perfoliatus*** (Wollaston, 1854)

Chorotype. **WME**

Literature records. Luigioni (1929: 991, Giglio); Porta, (1932: 343, Elba), both as *Phloeophthorus abeillei* Guillebeau, 1893; Faccoli, Cecchi (2003: 134, Elba and Giglio as *Phloeophthorus perfoliatus*).



Fig. 105a. *Tomicus destruens* (Wollaston, 1865), dorsal view and variability. Length 2.80 mm.

Material examined. **Elba Island:** Portoferraio, Colle Reciso, La Cavetta, 19.II.2012, 1 ex (LFO).

Notes. Inside galleries made by the beetle in *Calicotome* sp.

***Phloeotribus pubifrons*** (Guillebeau, 1893)

Chorotype. **MED**

Material examined. **Elba Island:** Portoferraio, Santa Lucia, 15.VI.2013, 1 ex (LFO).

Notes. New record for the Tuscan Archipelago.

***Phloeotribus scaraboeoides*** (Bernard, 1788)

Chorotype. **WPA**

Material examined. **Elba Island:** Portoferraio, Acquabona, 15.IV.2013, 1 ex (LFO).

Notes. New record for the Tuscan Archipelago.

Polygraphini Chapuis, 1869

***Carphoborus perrisi*** (Chapuis, 1869)

Chorotype. **WPA**

Literature records. Faccoli, Cecchi (2003: 134, Capraia).

Material examined. None.

Notes. Species associated to *Pistacia* (Pfeffer, 1995).

***Carphoborus pini*** Eichhoff, 1881

Chorotype. **MED**

Literature records. Zocchi (1962: 155, Capraia); Faccoli, Cecchi (2003: 134, Capraia, Pianosa, Montecristo).

Material examined. None.

Notes. Again, a bark-beetle associated to *Pinus* (Pfeffer, 1995).

Pityophthorini Eichhoff, 1878

***Pityophthorus pubescens*** (Marsham, 1802)

Chorotype. **EUM**

Literature records. Zocchi (1959: 105, Gorgona); Faccoli, Cecchi, 2003: 134 (Gorgona).

Material examined. None.

Notes. Species damaging *Pinus* (Pfeffer, 1995).

### Notes toward future surveys

Although with this work we can assume that we recorded at least 80% of the species of Curculionoidea actually present (Forbicioni *pers. obs.*), the difficulty of access and above all to stay on some islands (Montecristo, Gorgona, Pianosa) during the late autumn and winter, allows to say that the research on Curculionoidea in the Tuscan Archipelago cannot be defined concluded, and that therefore it would be appropriate and useful to carry out further field surveys, focusing especially on the territories mentioned above, to fill the current gaps.

### Remarks

This contribution has significantly increased the total numbers of taxa recorded for the whole Tuscan Archipelago, listing 394 taxa subdivided into 9 families, 27 subfamilies, 79 tribes and 175 genera. The Tuscan Archipelago is indeed a biodiversity hotspot for the Curculionoidea in Tuscany especially if we consider that the relatively close Maremma Regional Park (Tuscany, Italian mainland) counts 319 taxa, excluding Scolytinae (Abbazzi *et alii*, 1998).

The total number of taxa for each island increased as follow: Elba Island + 6,32% (332 to 353); Capraia Island + 100% (30 to 60); Giannutri Island + 33,33% (18 to 24); Giglio Island + 134% (29 to 68); Gorgona Island + 81,25% (16 to 29); Montecristo Island + 52,94% (17 to 26); Pianosa Island + 15,27% (72 to 83); Palmaiola + 300%; (0 to 3) and Cerboli 100% (1 to 2) islets. 120 taxa are newly recorded for the Tuscan Archipelago. The number of taxa recorded in each island is apparently almost proportional to the island surface; this trend is probably related to the total surface, the vegetation, and the environmental diversity characterizing the different islands (Fig. 3A).

The high number of species recorded is partly due to the considerable diversity of habitats on the different islands of the archipelago, and partly to the permanent presence on the spot of one of the authors (Forbicioni), who had the opportunity to sample repeatedly the study area in a long span of time during all seasons.

Among all the species mentioned in this work, some deserve particular attention given their distribution, rarity and type of preferred environment. The archipelago counts thirteen endemisms: *O. bartolozzii*; *O. giustii*; *O. laurae*; *O. tuscoinsularis*; *M. tedeschii*; *P. abbazzii*; *P. bartolii*; *P. silvanaedicata*; *P. zanichelliae*; *T. colonnellii*; *T. ilvensis*; *A. sardous gardinii*, *A. rossellae*. As can be seen from the distribution map (Fig. 1C) almost every island, with the exception of Montecristo Island, has at least one endemic species. *Otiiorhynchus tuscoinsularis* so far recorded only on Pianosa Island and Giannutri Island, may potentially be widely distributed throughout the Archipelago. The fact that this species has not yet been recorded on the other islands is most probably attributable to a collecting bias: on larger islands the collecting effort has been mostly focused on inland biotopes instead of coastal areas, where this species lives. It is interesting to observe how the fauna of the archipelago includes also Apennine entities such as *P. longipilis*; *P. frater*; *L. baudii* and *D. dalmatinus*. *E. politus*, *A. nitens*, *P. longipilis*, *P. kahri*, *P. frater*, *P. cervinus*, *A. suturidens*, *A. dieckmanni*, *K. aubei*, *K. navieresi*, *E. hypocrita*, *C. squalidus*, *M. gracilis*, *C. ilicis*, *C. transversealbofasciatus*, *C. elephas*, *C. glandium*, *C. nucum*, *C. venosus*, *A. pyrrhoceras*, *O. erythropus* and *O. quercus* are strictly related to forests while *O. juvencus juvencus*, *M. tedeschii*, *C. discors*, *T. laticollis*, *R. plicatus*, *C. tabidus*, *C. canescens*, *C. depilis*, *E. laesirostris laesirostris*, *G. lunatus* and *S. arenariae* are typically thermophilous taxa. Of particular interest are the records regarding these rarely collected species: *C. sheppardi*, *A. tubicen*, *H. andalusiacum*, *N. transversus*, *T. fusciscapus*, *R. canaliculatus*, *S. waterhousei*, *E. laesirostris laesirostris*, *S. exsculptus*, *A. dieckmanni*, *T. liguricum*, *A. bewickianus*, *C. apicalis*, *P. spilmani*, *B. analis*, *S. subtriangulifera*, *O. insignis*, *S. revelierei*, *O. erythropus*, *P. persimilis*, *M. simus*.

Furthermore, the fauna of the Tuscan Archipelago is evidently influenced by the presence of man, especially in the Elba Island; goods trade, agriculture, reforestation (Gatteschi, Arretini,

1990) and tourism have in fact substantially contributed to the introduction and spreading of non-native taxa, such as *Gonipterus* sp., *N. cervinus*, *C. pallidactylus*, *R. ferrugineus*, *Sitophilus* spp., *S. acupunctatus*, *C. dactyliperda*, *D. longicollis*, *O. erosus* and *H. ligniperda*.

The chorological components of the fauna investigated seem to be rather balanced (Fig. 3B); according to Vigna Taglianti *et alii* (1993; 1999), we subdivide the chorotypes into the four most representative groups: 182 taxa widely distributed in the Holarctic Region (OLA, PAL, WPA, ASE, SIE, CEM, CAE, CAM, TEM, TUE, TUM, EUM); 82 European taxa (EUR, CEU, SEU, WEU, EEU); 79 Mediterranean taxa (MED, WME, EME) and 11 Cosmopolitan (COS).

In the regard of species and environmental conservation the only issue that we feel obliged to highlight is strong pressure on the environment caused by the massive presence of wild boar on the Elba Island. During the last decade one of the authors (Forbicioni) observed an important upheaval of some biotopes caused by this invasive species. This species has led to a radical reduction of many bulbous, tuberous and rhizomatous plants, as well as of many species of spontaneous orchids. Boars diet and feeding behavior, besides having unequivocal repercussions on all the weevil feeding directly on the previously mentioned plants, drastically impacts epigeal and endogean Curculionoidea, especially the apterous species inhabiting vegetal debris. This ecological group includes the most of the endemic species of the Elba Island (*O. bartolozzii*, *O. giustii*, *M. tedeschii*, *T. ilvensis*). We also want to rise the attention on seashores maintenance in the Tuscan Archipelago; beached trunks and sea debris removal affect the survival of highly specialized weevils as: *S. exsculptus*, *P. spadix*, *Amaurorhinus* spp., *M. pallidipennis*. An inadequate management of these environments, especially for tourism reasons, could in fact compromise the survival of these species, resulting in a loss of biodiversity especially in relation to endemic species.

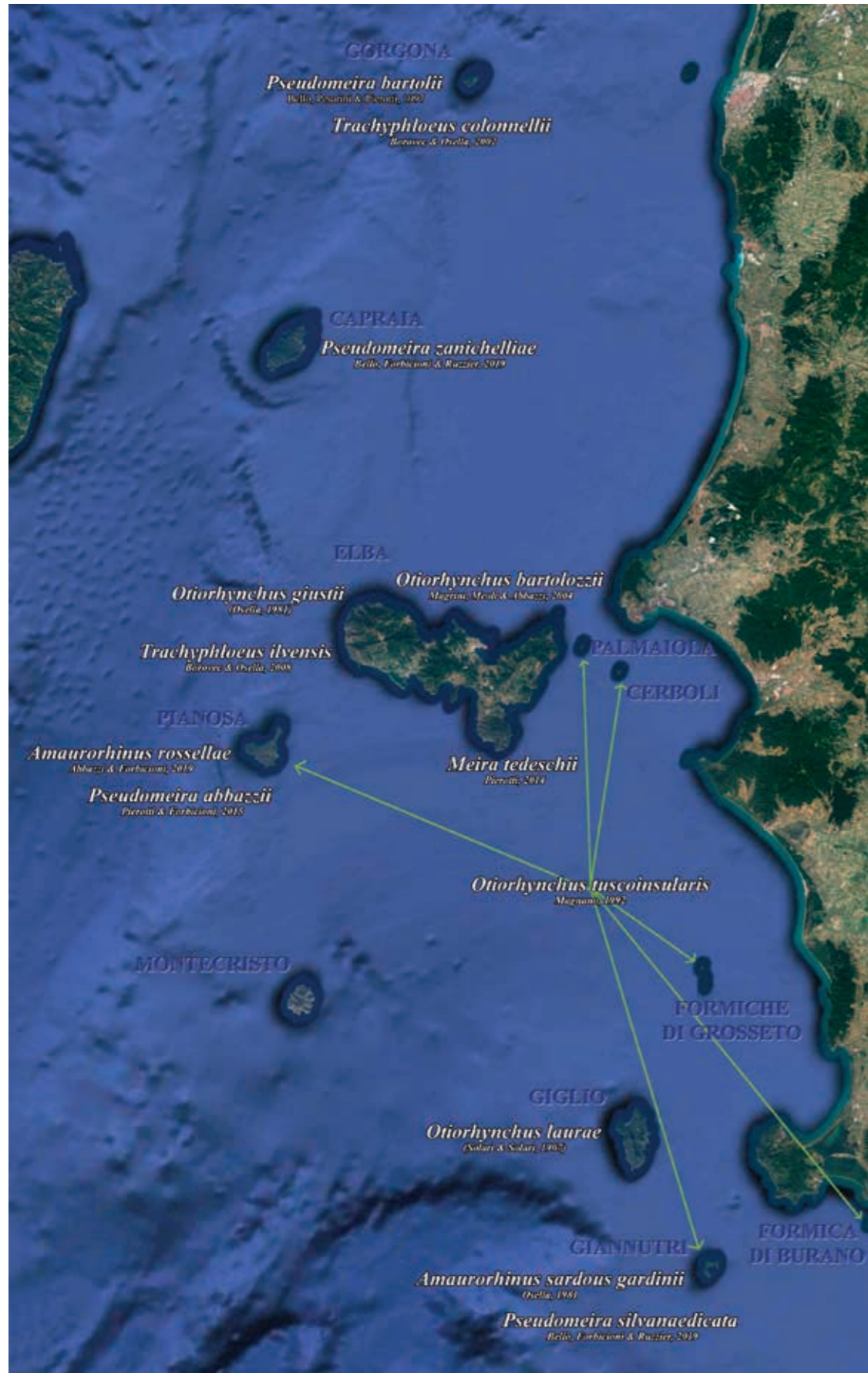


Fig. 1C. Distribution of endemic species in the islands and islets of the Tuscan Archipelago.

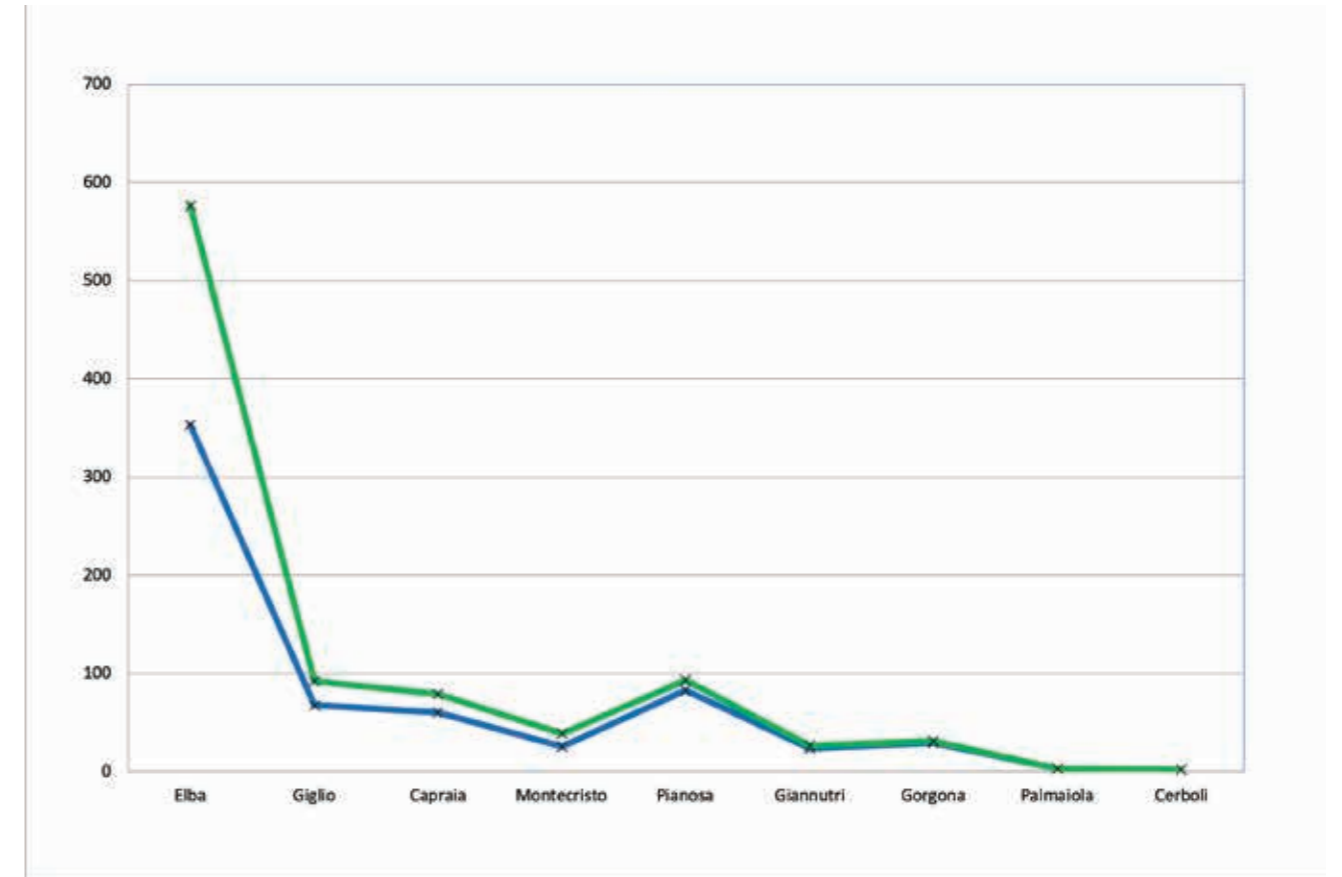


Fig. 3A. Correlation between number of species (blue) and area (green-km2) of each island.

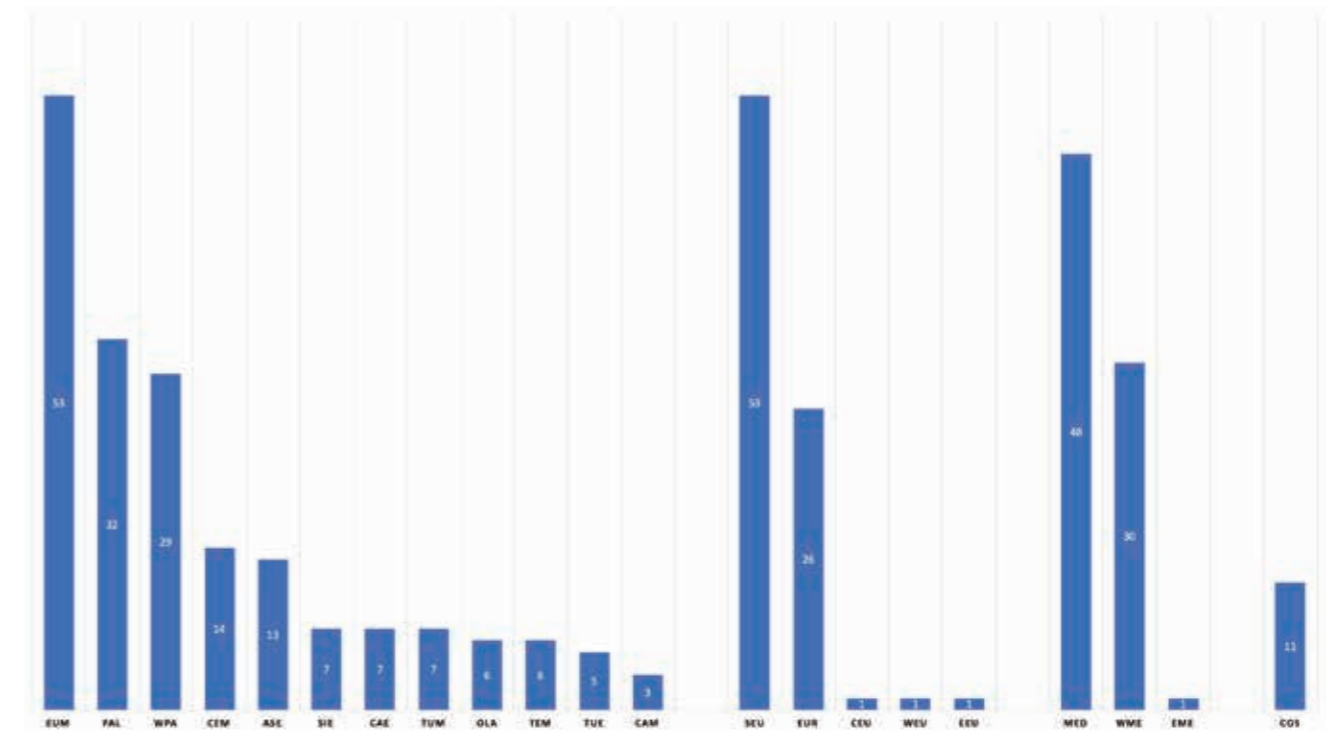


Fig. 3B. Short chorological analysis.



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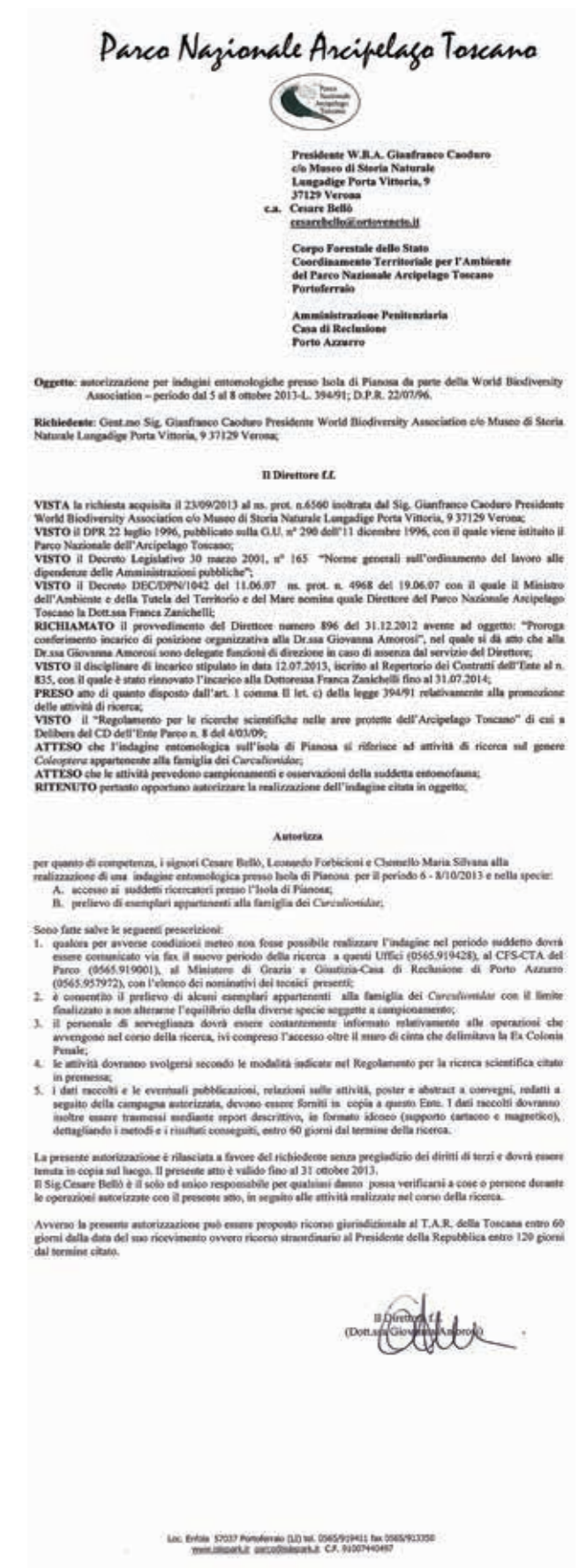
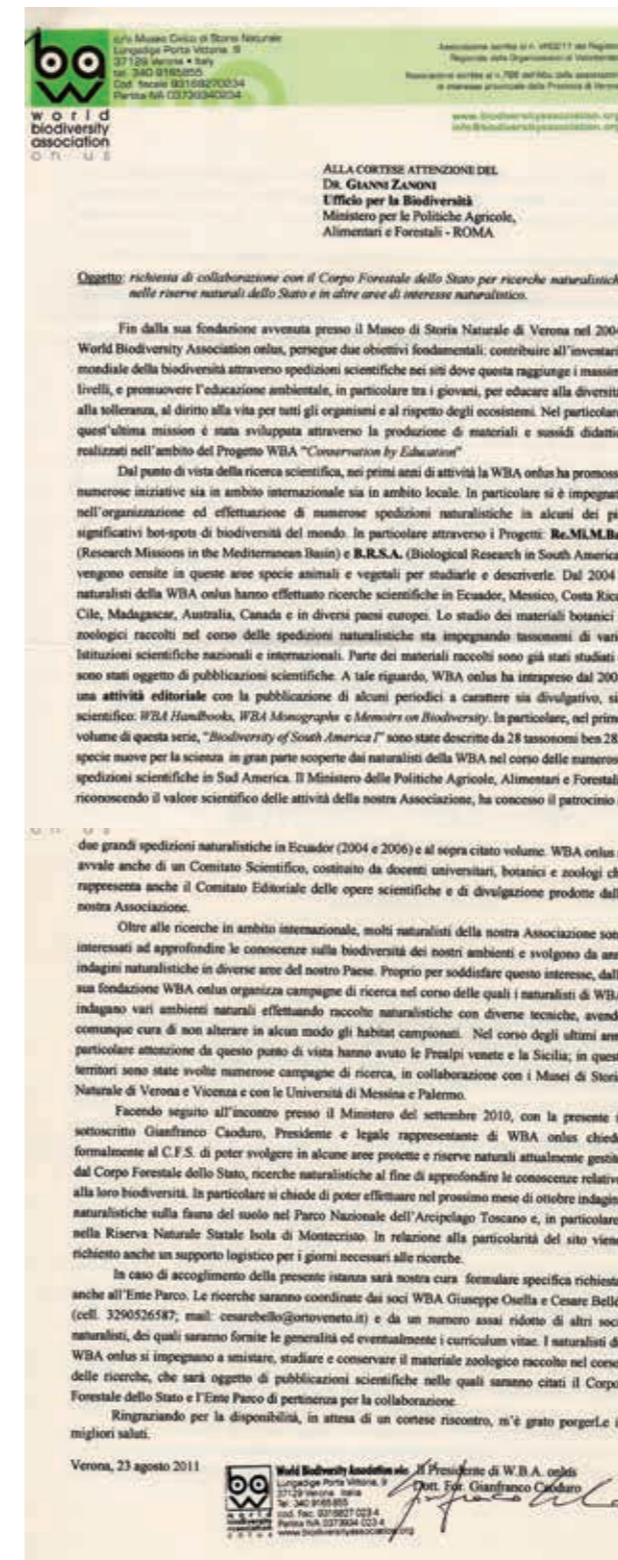
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ALLA CORTESE ATTENZIONE DEL  
Direttore del Parco Nazionale dell'Arcipelago Toscano  
dott.ssa Franca Zanichelli

**Oggetto:** richiesta di autorizzazione ad effettuare ricerche nelle isole del Parco Nazionale dell'Arcipelago Toscano e nello specifico dell'Isola di Pianosa.

Egregio Direttore,  
fin dalla sua fondazione avvenuta presso il Museo di Storia Naturale di Verona nel 2004, World Biodiversity Association onlus, [www.biodiversityassociation.org](http://www.biodiversityassociation.org), persegue due obiettivi fondamentali: contribuire all'investimento mondiale della biodiversità attraverso spedizioni scientifiche nei siti dove questa raggiunge i massimi livelli, e promuovere l'educazione ambientale, in particolare tra i giovani, per educare alla diversità, alla tolleranza, al diritto alla vita per tutti gli organismi e al rispetto degli ecosistemi. Nel particolare, quest'ultima mission è stata sviluppata attraverso la produzione di materiali e sussidi didattici realizzati nell'ambito del Progetto WBA "Conservation by Education".

Dal punto di vista della ricerca scientifica, nei primi anni di attività la WBA onlus ha promosso numerose iniziative sia in ambito internazionale sia in ambito locale. In particolare si è impegnata nell'organizzazione ed effettuazione di numerose spedizioni naturalistiche in alcuni dei più significativi hot-spots di biodiversità del mondo. In particolare attraverso i Progetti: **Re.M.I.M.Ba.** (Research Missions in the Mediterranean Basin) e **B.R.S.A.** (Biological Research in South America) vengono censite in queste aree specie animali e vegetali per studiarle e descriverle. Dal 2004 i naturalisti della WBA onlus hanno effettuato ricerche scientifiche in Ecuador, Messico, Costa Rica, Cile, Madagascar, Australia, Canada e in diversi paesi europei. Lo studio dei materiali botanici e zoologici raccolti nel corso delle spedizioni naturalistiche sta impegnando tassonomi di varie Istituzioni scientifiche nazionali e internazionali. Parte dei materiali raccolti sono già stati studiati e sono stati oggetto di pubblicazioni scientifiche. A tale riguardo, WBA onlus ha intrapreso dal 2008 una **attività editoriale** con la pubblicazione di alcuni periodici a carattere sia divulgativo, sia scientifico: *WBA Handbooks*, *WBA Monographs* e *Memoirs on Biodiversity*. In particolare, nel primo volume di questa serie, *"Biodiversity of South America I"* sono state descritte da 28 tassonomi ben 285 specie nuove per la scienza in gran parte scoperte dai naturalisti della WBA nel corso delle numerose spedizioni scientifiche in Sud America. Il Ministero delle Politiche Agricole, Alimentari e Forestali,

riconoscendo il valore scientifico delle attività della nostra Associazione, ha concesso il patrocinio a due grandi spedizioni naturalistiche in Ecuador (2004 e 2006) e al sopra citato volume. WBA onlus si avvale anche di un Comitato Editoriale, costituito da docenti universitari, botanici e zoologi che rappresenta anche il Comitato Editoriale delle opere scientifiche e di divulgazione prodotte dalla nostra Associazione.

Oltre alle ricerche in ambito internazionale, molti naturalisti della nostra Associazione sono interessati ad approfondire le conoscenze sulla biodiversità dei nostri ambienti e svolgono da anni indagini naturalistiche in diverse aree del nostro Paese. Proprio per soddisfare questo interesse, dalla sua fondazione WBA onlus organizza campagne di ricerca nel corso delle quali i naturalisti di WBA indagano vari ambienti naturali effettuando raccolte naturalistiche con diverse tecniche, avendo comunque cura di preservare inalterati gli habitat campionati. Nel corso degli ultimi anni particolare attenzione da questo punto di vista hanno avuto le Prealpi Venete, la Sardegna, la Calabria e la Sicilia; in questi territori sono state svolte numerose campagne di ricerca, in collaborazione con i Musei di Storia Naturale di Verona e Vicenza e con le Università di Messina e Palermo.

Con la presente, il sottoscritto Gianfranco Caodaro, Presidente e legale rappresentante di WBA onlus chiede formalmente di poter svolgere ricerche naturalistiche nel territorio del Parco Nazionale dell'Arcipelago Toscano. In particolare si chiede di poter effettuare nel prossimo mese di ottobre indagini entomologiche sulla fauna del suolo dell'Isola di Pianosa. In relazione alla particolarità del sito viene richiesto anche un supporto logistico per la permanenza sul posto per i giorni necessari (due/tre) alle ricerche; le ricerche potrebbero essere effettuate dal giorno 6/7 fino al giorno 8 ottobre c.a.

Le ricerche saranno coordinate dallo specialista di Coleoptera Curculionoidea Cesare Bellò (cell. 3290526587; mail: [cesarebello@ortovenetto.it](mailto:cesarebello@ortovenetto.it)), componente del Consiglio di Amministrazione della WBA, che sarà coadiuvato dai soci Leonardo Forbicioni e Chemello Maria Silvana; di tutti saranno fornite, se richieste, le generalità. I naturalisti di WBA onlus si impegnano a smistare, studiare e conservare il materiale zoologico raccolto nel corso delle ricerche, che sarà oggetto di pubblicazioni scientifiche nelle quali verrà citato l'Ente Parco per la collaborazione.

Ringraziando per la disponibilità, in attesa di un cortese riscontro, m'è grato porgerLe i migliori saluti.

Verona, 18 settembre 2013



Il Presidente di W.B.A. onlus  
Gianfranco Caodaro

Si comunica che a seguito della presente verrà inviata l'autorizzazione in oggetto. Tuttavia si tiene a precisare che per quanto riguarda l'Isola di Montecristo e l'Isola di Gorgona il vostro Ufficio dovrà richiedere ulteriori specifiche autorizzazioni rispettivamente all'Ufficio Territoriale Biodiversità di Follonica del Corpo Forestale dello Stato e all'Amministrazione Penitenziaria della Casa di Reclusione di Gorgona.

Il Direttore  
(Dott.ssa Franca Zanichelli)

## Parco Nazionale Arcipelago Toscano



Presidente W.B.A. Gianfranco Caodaro  
c/o Museo di Storia Naturale  
Lungadige Porta Vittoria, 9  
37129 Verona  
Cesare Bellò  
[cesarebello@ortovenetto.it](mailto:cesarebello@ortovenetto.it)

Corpo Forestale dello Stato  
Coordinamento Territoriale per l'Ambiente  
del Parco Nazionale Arcipelago Toscano  
Portoferraio

Ufficio Territoriale Biodiversità  
Di Follonica, Via Bicochci 2  
58022 Follonica GR  
Fax 056444616

Amministrazione Penitenziaria  
Casa di Reclusione  
Isola di Gorgona  
Fax: 0586.961004

Amministrazione Penitenziaria  
Casa di Reclusione  
Porto Azzurro  
Fax: 0565.957972

**Oggetto:** autorizzazione per indagini entomologiche presso Isole Arcipelago Toscano - biennio 2014-2015 - L. 394/91; D.P.R. 22/07/96.

**Richiedente:** Gent.mo Sig. Gianfranco Caodaro Presidente World Biodiversity Association c/o Museo di Storia Naturale Lungadige Porta Vittoria, 9 37129 Verona;

Il Direttore

VISTA la richiesta acquisita il 02/12/2013 al n. prot. n.8218 inoltrata dal Sig. Gianfranco Caodaro Presidente World Biodiversity Association c/o Museo di Storia Naturale Lungadige Porta Vittoria, 9 37129 Verona;  
VISTO il DPR 22 luglio 1996, pubblicato sulla G.U. n° 290 dell'11 dicembre 1996, con il quale viene istituito il Parco Nazionale dell'Arcipelago Toscano;

VISTO il Decreto Legislativo 30 marzo 2001, n° 165 "Norme generali sull'ordinamento del lavoro alle dipendenze delle Amministrazioni pubbliche";

VISTO il Decreto DEC/DPN/042 del 11.06.07 n. prot. n. 4968 del 19.06.07 con il quale il Ministro dell'Ambiente e della Tutela del Territorio e del Mare nomina quale Direttore del Parco Nazionale Arcipelago Toscano la Dott.ssa Franca Zanichelli;

VISTO il disciplinare di incarico stipulato in data 27-07-2012, iscritto al Repertorio dei Contratti dell'Ente col n. 770, con il quale viene rinnovato l'incarico alla Dott.ssa Franca Zanichelli fino al 31-07-2013.

PRESO atto di quanto disposto dall'art. 1 comma II let. c) della legge 394/91 relativamente alla promozione delle attività di ricerca;

VISTO il "Regolamento per le ricerche scientifiche nelle aree protette dell'Arcipelago Toscano" di cui a Delibera del CD dell'Ente Parco n. 8 del 4/03/09;

ATTESO che l'indagine entomologica svolta sull'Isola di Pianosa da noi già autorizzata, volta ad attività di ricerca sul genere *Coleoptera* appartenente alla famiglia dei Curculionidae ha dato interessanti risultati;

CONSIDERATO che l'Associazione WBA richiede di estendere il progetto di ricerca alle altre isole dell'Arcipelago Toscano per il biennio 2014-2015;

RTENUTO pertanto opportuno autorizzare la realizzazione dell'attività citata in oggetto;

Autorizza

per quanto di competenza, i signori Cesare Bellò, Leonardo Forbicioni e Chemello Maria Silvana alla realizzazione di una indagine entomologica presso tutte le isole dell'Arcipelago Toscano nel biennio 2014-2015 e nella specie:

1. Accesso all'Isola di Pianosa, Gorgonia, Montecristo e alle zone interdette di Giannutri, di tutto il personale tecnico;

Sono fatte salve le seguenti prescrizioni:

- con anticipo di 5 giorni lavorativi dovranno essere comunicati via fax a questi Uffici (0565.919428) e ai seguenti Organi di Vigilanza competenti i giorni di presenza e i nominativi dei tecnici impegnati nelle attività nelle zone interdette a terra:
  - Pianosa CTA-CFS (0565.919001); Amministrazione Penitenziaria di Pianosa (0565.957972);
  - Montecristo CFS-Follonica (056444616);
  - per l'Isola di Gorgonia comunicare a Corpo Forestale dello Stato Coordinamento Territoriale per l'Ambiente del Parco Nazionale Arcipelago Toscano Portoferraio Fax: 0565.919001 e Amministrazione Penitenziaria Casa di Reclusione Isola di Gorgonia Fax: 0586.961004;
  - per l'Isola di Giannutri comunicare a Corpo Forestale dello Stato Coordinamento Territoriale per l'Ambiente del Parco Nazionale Arcipelago Toscano Portoferraio Fax: 0565.919001;

- presso l'Isola di Pianosa tutti gli spostamenti, nella zona ubicata oltre il muro di cinta della Ex colonia penale, dovranno essere concordati con il personale di sorveglianza presente;
- è consentito il prelievo di alcuni esemplari appartenenti alla entomofauna con il limite finalizzato a non alterare l'equilibrio della popolazione;
- le attività dovranno svolgersi secondo le modalità indicate nel regolamento per le ricerche scientifiche nelle aree protette dell'Arcipelago Toscano di cui a Delibera del CD dell'Ente Parco n. 8 del 4/03/09;
- i dati raccolti e le eventuali pubblicazioni, relazioni sulle attività, poster e abstract a convegno, redatti a seguito della campagna autorizzata, devono essere forniti in copia a questo Ente. I dati raccolti dovranno inoltre essere trasmessi mediante report descrittivo, in formato idoneo (supporto cartaceo e magnetico), dettagliando i metodi e i risultati conseguiti, entro 60 giorni dal termine della ricerca;

La presente autorizzazione è rilasciata a favore del richiedente senza pregiudizio dei diritti di terzi e dovrà essere tenuta in copia sul luogo. Il presente atto è valido fino al 31 gennaio 2015.

Il Sig. Cesare Bellò è il solo ed unico responsabile per qualsiasi danno possa verificarsi a cose o persone durante le operazioni autorizzate con il presente atto, in seguito alle attività realizzate nel corso della ricerca.

Avverso la presente autorizzazione può essere proposto ricorso giurisdizionale al T.A.R. della Toscana entro 60 giorni dalla data del suo ricevimento ovvero ricorso straordinario al Presidente della Repubblica entro 120 giorni dal termine citato.

Il Direttore  
(Dott.ssa Franca Zanichelli)

Loc. Entola 57037 Portoferraio (LI) tel. 0565/91941 fax 0565/91330  
[www.parcnazionalearcipelagotoscano.it](http://www.parcnazionalearcipelagotoscano.it) C.F. 91007440967



ALLA CORTESE ATTENZIONE DEL  
Direttore del Parco Nazionale dell'Arcipelago Toscano  
dott.ssa Franca Zanichelli

**Oggetto:** Richiesta di autorizzazione ad effettuare ulteriori indagini entomologiche nel territorio del Parco Nazionale dell'Arcipelago Toscano.

Egregio Direttore,

in relazione alle ricerche entomologiche recentemente effettuate da soci di WBA nel territorio del Parco Nazionale dell'Arcipelago Toscano, su autorizzazione del Vs. Ente, sono a comunicareLe che:

a) nel corso della ricerca effettuata nell'Isola di Pianosa in data 7 ottobre c.a. dai soci Bellò, Chemello e Forbicioni sono stati raccolti 18 esemplari di un Coleottero Curculionide (Peritelino) del genere *Pseudometra* del gruppo *sarabae* appartenenti ad una specie "certamente nuova" (Abbazzi et alii, 2004);

b) successive indagini svolte dal socio Forbicioni nell'Isola d'Elba con la stessa tecnica (vaglio entomologico) hanno dato altrettanto significativi risultati per il ritrovamento di altre due specie di Coleotteri Curculionidi: una del genere *Heterometra* (una femmina della specie *capreae* s.l. in studio) e diversi esemplari di *Metra* (probabile sp. n. in studio).  
Sono, pertanto, a chiederLe, con la presente, di poter continuare la campagna di ricerche per gli anni 2014 e 2015 in modo da poter effettuare ulteriori e più approfondite indagini entomologiche, nello specifico sui Coleotteri Curculionidi, nell'intero territorio del Parco.

Il programma prevede che le ricerche (meteo e traghetti permettendo) possano svolgersi in tutte le stagioni e in tutte le isole. Per le isole che sono provviste di collegamenti con il servizio di traghetto possiamo organizzarci autonomamente; naturalmente per Gorgona e Pianosa, che a quanto ci risulta sono colonie penali, Vi richiederei, se necessario, anche l'autorizzazione della direzione carceraria. Per Montecristo invece la nostra richiesta è, almeno in questa prima fase e se possibile, di aggregarsi alle previste visite guidate/organizzate.

Confermo, come da richiesta precedente, che le ricerche saranno coordinate dallo specialista di Coleoptera Curculionidae Cesare Bellò (cell. 3290526587; mail: [cesarebello@ortovenetto.it](mailto:cesarebello@ortovenetto.it)), componente del Consiglio Direttivo di WBA, coadiuvato dai soci Leonardo Forbicioni e Chemello Maria Silvana. Altri specialisti di WBA onlus, che hanno già manifestato il loro interesse, potranno aggiungersi a seguito dello sviluppo delle ricerche; di tutti saranno fornite, su richiesta, generalità e curriculum scientifico. Comunque di volta in volta e con un anticipo di almeno 5 giorni lavorativi sarà fatto pervenire, via mail all'indirizzo che ci indicherete, luogo ed elenco dei partecipanti alla ricerca.

I naturalisti di WBA onlus si impegnano a smistare, studiare e conservare il materiale zoologico raccolto nel corso delle ricerche, che saranno oggetto di pubblicazioni scientifiche nelle quali verrà citato l'Ente Parco per la collaborazione prestata.

Ringraziando per la disponibilità, in attesa di un cortese riscontro, m'è grato porgerLe i migliori saluti.

Verona, 2 dicembre 2013



Il Presidente di W.B.A. onlus  
Gianfranco Caodaro

## Parco Nazionale Arcipelago Toscano



Presidente W.B.A. Paolo Fontana  
c/o Museo di Storia Naturale  
Lungadige Porta Vittoria, 9  
37129 Verona  
Cesare Bellò  
[cesarebello@ortovenetto.it](mailto:cesarebello@ortovenetto.it)

Corpo Forestale dello Stato  
Coordinamento Territoriale per l'Ambiente  
del Parco Nazionale Arcipelago Toscano  
Portoferraio

Ufficio Territoriale Biodiversità  
Di Follonica, Via Bicochci 2  
58022 Follonica GR

Amministrazione Penitenziaria  
Casa di Reclusione  
Isola di Gorgona

Amministrazione Penitenziaria  
Casa di Reclusione  
Porto Azzurro

**Oggetto:** autorizzazione per indagini entomologiche presso Isole Arcipelago Toscano - anno 2014- L. 394/91; D.P.R. 22/07/96.

**Richiedente:** Gent.mo Sig. Paolo Fontana Presidente World Biodiversity Association Onlus c/o Museo di Storia Naturale Lungadige Porta Vittoria, 9 37129 Verona;

Il Direttore

VISTO il DPR 22 luglio 1996, pubblicato sulla G.U. n° 290 dell'11 dicembre 1996, con il quale viene istituito il Parco Nazionale dell'Arcipelago Toscano;

VISTO il Decreto Legislativo 30 marzo 2001, n° 165 "Norme generali sull'ordinamento del lavoro alle dipendenze delle Amministrazioni pubbliche";

VISTO il Decreto DEC n.112 del 11.06.2015 n. prot. n. 4382 del 16.06.2015 con il quale il Ministro dell'Ambiente e della Tutela del Territorio e del Mare nomina quale Direttore del Parco Nazionale Arcipelago Toscano la Dott.ssa Franca Zanichelli;

VISTO il disciplinare di incarico stipulato in data 01-08-2015, iscritto al Repertorio dei Contratti dell'Ente col n. 956, con il quale viene rinnovato l'incarico alla Dott.ssa Franca Zanichelli fino al 31-07-2018;

PRESO atto di quanto disposto dall'art. 1 comma II let. c) della legge 394/91 relativamente alla promozione delle attività di ricerca;



visto il documento "Misure operative per lo svolgimento della Ricerca Scientifica nel Parco Nazionale Arcipelago Toscano" di cui a Delibera del CD dell'Ente Parco n. 15 del 27/02/12;

atteso che con nota del 12.04.2012 n. 7690 del Ministero dell'Ambiente si sospende l'esecutività dell'atto;

considerato pertanto che il "Regolamento per le ricerche scientifiche nelle aree protette dell'Arcipelago Toscano" di cui a Delibera del CD dell'Ente Parco n. 8 del 04/03/09 è tuttora vigente;

vista la richiesta acquisita il 06/04/2016 al n. prot. n. 2850 inoltrata dal Sig. Paolo Fontana Presidente di World Biodiversity Association Onlus c/o Museo di Storia Naturale Lungadige Porta Vittoria, 9 37129 Verona;

atteso che l'indagine entomologica svolta nel biennio 2014-2015 già autorizzata da questo Ente e dedicata alla ricerca sul genere *Coleoptera* con particolare riferimento alla famiglia dei Curculionidae, ha portato ad interessanti risultati per l'Isola di Pianosa;

considerato che l'Associazione WBA Onlus richiede di proseguire il progetto di ricerca con ulteriori indagini alle altre isole dell'Arcipelago Toscano per tutto l'anno 2016;

ritenuto pertanto opportuno autorizzare la realizzazione dell'attività citata in oggetto;

autorizza

per quanto di competenza, i signori Cesare Bellò, Leonardo Forbicioni e Chemello Maria Silvana alla realizzazione di una indagine entomologica presso tutte le isole dell'Arcipelago Toscano per l'anno 2016 e nella specie:

1. Accesso all'Isola di Pianosa, Gorgonia, Montecristo e alle zone interdette di Giannutri, di tutto il personale tecnico;

Sono fatte salve le seguenti prescrizioni:

- con anticipo di 5 giorni lavorativi dovranno essere comunicati via mail a questi Uffici ([parco@isolepark.it](mailto:parco@isolepark.it)) e ai seguenti Organi di Vigilanza competenti i giorni di presenza e i nominativi dei tecnici impegnati nelle attività nelle zone interdette a terra:
  - Pianosa CTA-CFS ([cta.portoferraio@corpoforestale.it](mailto:cta.portoferraio@corpoforestale.it)); Amministrazione Penitenziaria di Pianosa ([presidio@isolepark.it](mailto:presidio@isolepark.it));
  - Montecristo CFS-Follonica ([sub.follonica@corpoforestale.it](mailto:sub.follonica@corpoforestale.it));
  - per l'Isola di Gorgonia comunicare a Corpo Forestale dello Stato Coordinamento Territoriale per l'Ambiente del Parco Nazionale Arcipelago Toscano Portoferraio ([cta.portoferraio@corpoforestale.it](mailto:cta.portoferraio@corpoforestale.it)) e Amministrazione Penitenziaria Casa di Reclusione Isola di Gorgonia ([cr.gorgonia@giustizia.it](mailto:cr.gorgonia@giustizia.it));
  - per l'Isola di Giannutri e l'Isola del Giglio comunicare a Corpo Forestale dello Stato Coordinamento Territoriale per l'Ambiente del Parco Nazionale Arcipelago Toscano Portoferraio ([cta.portoferraio@corpoforestale.it](mailto:cta.portoferraio@corpoforestale.it));

presso l'Isola di Pianosa tutti gli spostamenti, nella zona ubicata oltre il muro di cinta della Ex colonia penale, dovranno essere concordati con il personale di sorveglianza presente;

è consentito il prelievo di alcuni esemplari appartenenti alla entomofauna con il limite finalizzato a non alterare l'equilibrio della popolazione;

le attività dovranno svolgersi secondo le modalità indicate nel regolamento per le ricerche scientifiche nelle aree protette dell'Arcipelago Toscano di cui a Delibera del CD dell'Ente Parco n. 8 del 4/03/09;

i dati raccolti e le eventuali pubblicazioni, relazioni sulle attività, poster e abstract a convegno, redatti a seguito della campagna autorizzata, devono essere forniti in copia a questo Ente. I dati raccolti dovranno inoltre essere trasmessi mediante report descrittivo, in formato idoneo (supporto cartaceo e magnetico), dettagliando i metodi e i risultati conseguiti, entro 60 giorni dal termine della ricerca;

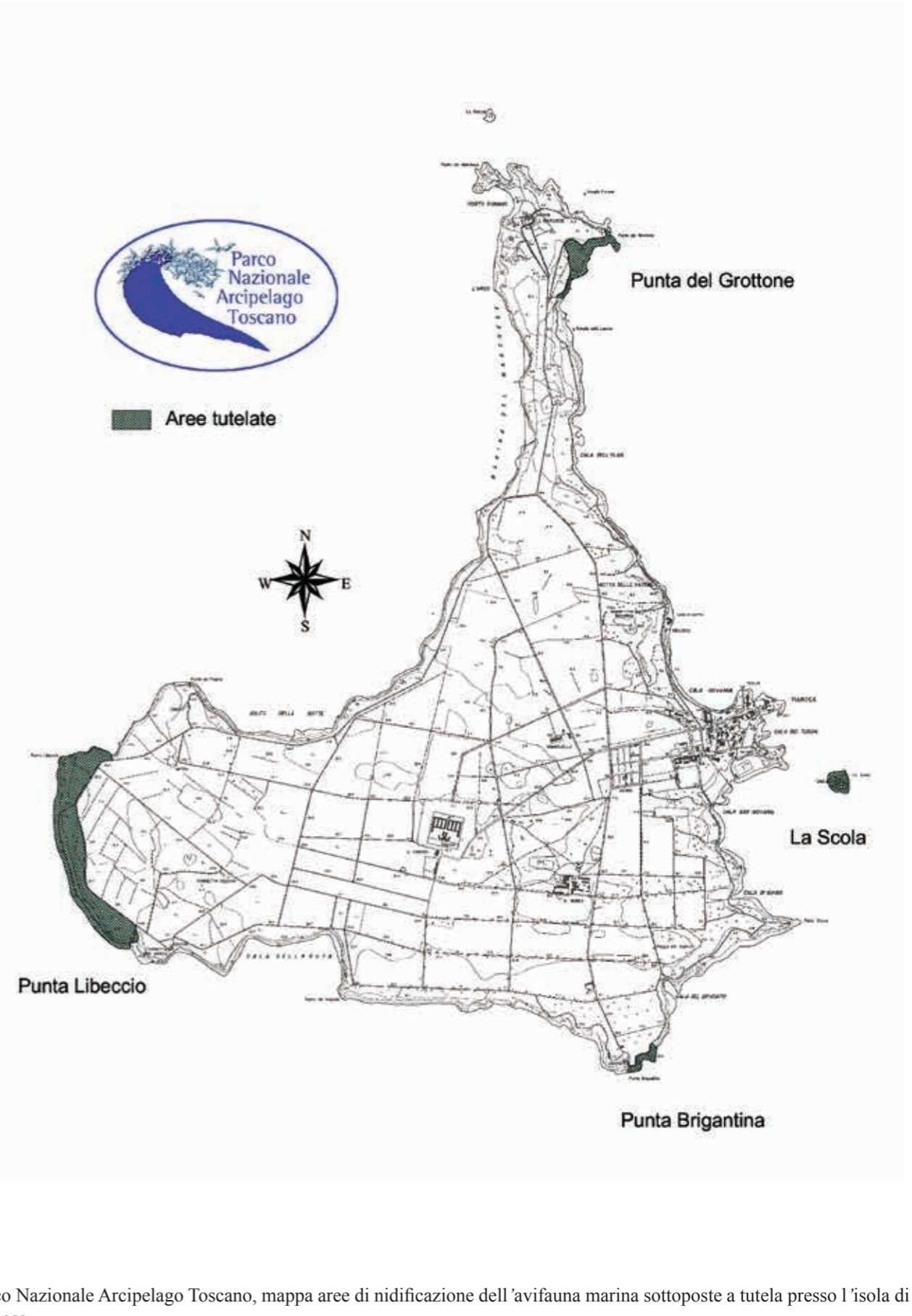
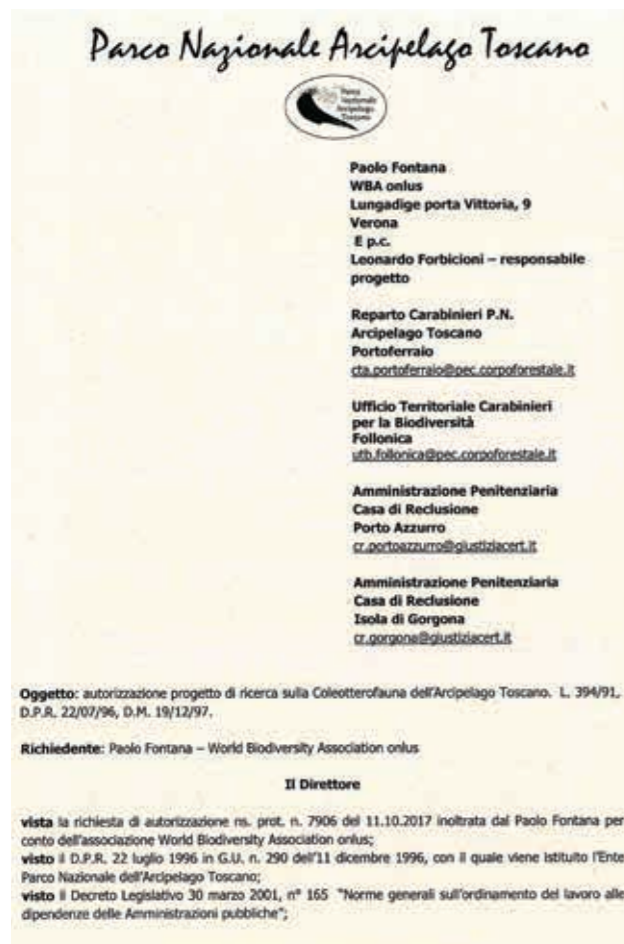
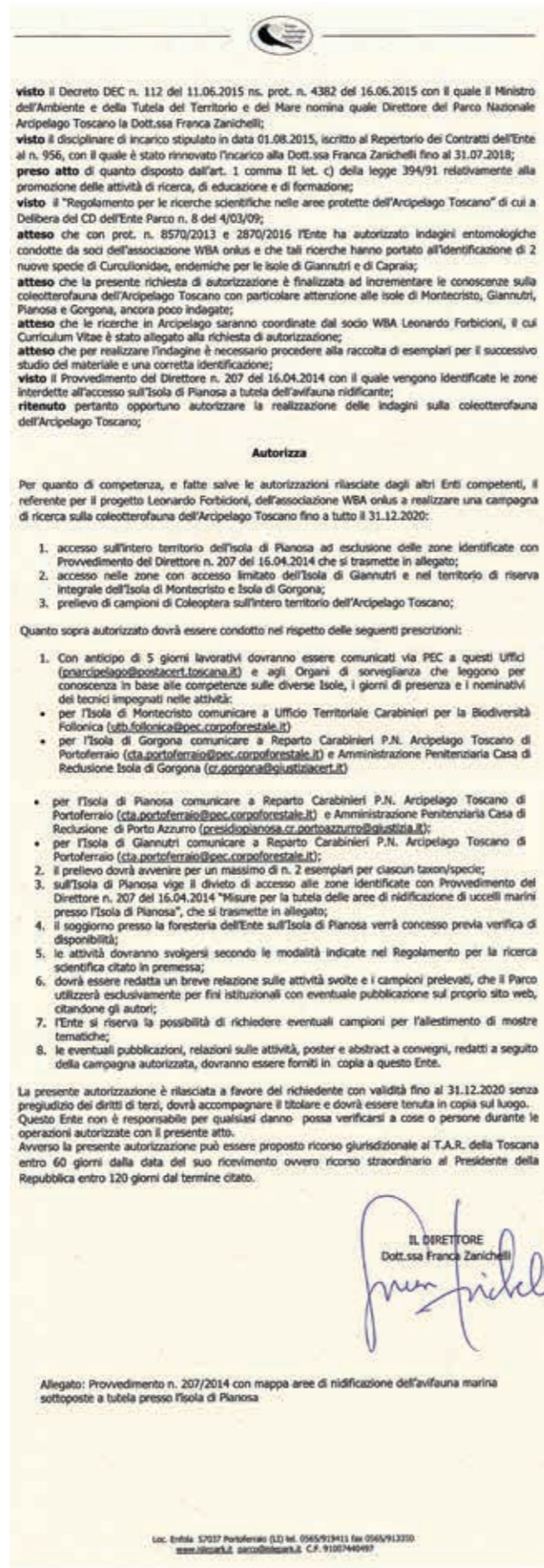
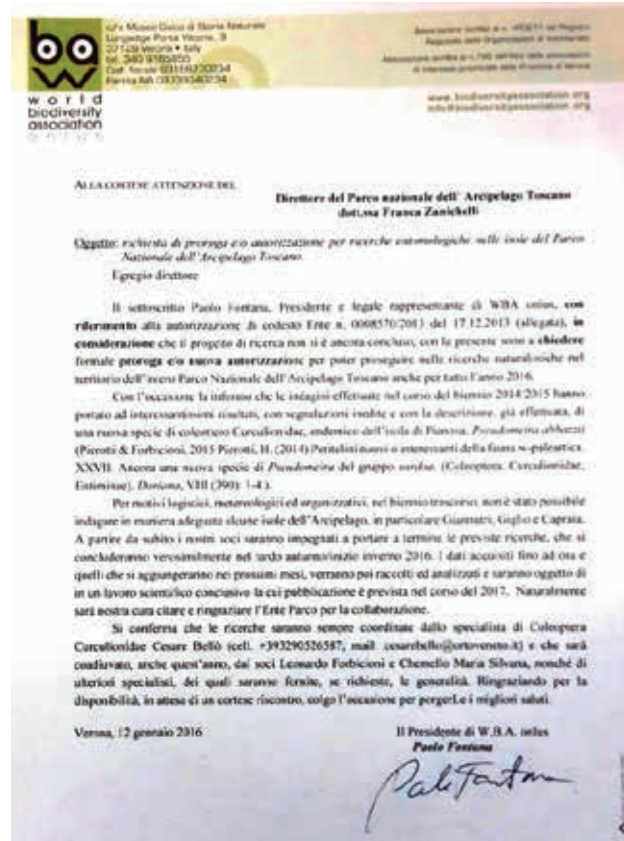
La presente autorizzazione è rilasciata a favore del richiedente senza pregiudizio dei diritti di terzi e dovrà essere tenuta in copia sul luogo. Il presente atto è valido fino al 31 gennaio 2016.

Il Sig. Cesare Bellò è il solo ed unico responsabile per qualsiasi danno possa verificarsi a cose o persone durante le operazioni autorizzate con il presente atto, in seguito alle attività realizzate nel corso della ricerca.

Avverso la presente autorizzazione può essere proposto ricorso giurisdizionale al T.A.R. della Toscana entro 60 giorni dalla data del suo ricevimento ovvero ricorso straordinario al Presidente della Repubblica entro 120 giorni dal termine citato.

Il Direttore  
(Dott.ssa Franca Zanichelli)

Loc. Entola 57037 Portoferraio (LI) tel. 0565/91941 fax 0565/91330  
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**“In the present volume 3 new species are described and a commented catalogue of the 394 species of Coleoptera Curculionidea inhabiting the Tuscan Archipelago (Italy) is drawn up. Faunistic, chorological and ecological informations are given for all the species, together with 322 illustrations of the most distinctive taxa, of the collecting techniques and habitats”.**

